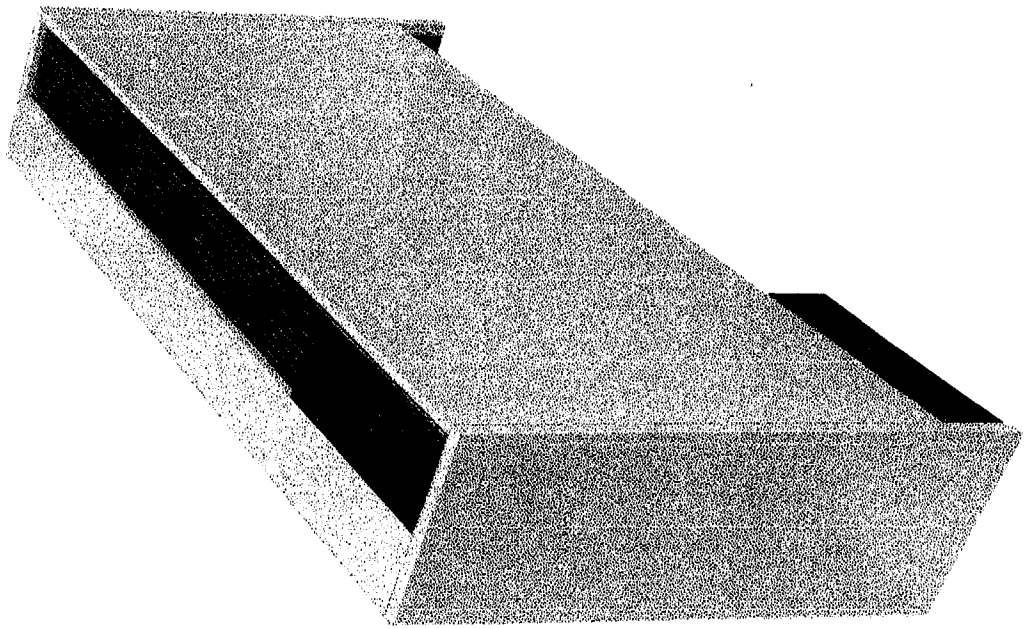
UNT-DS-1 May 1984

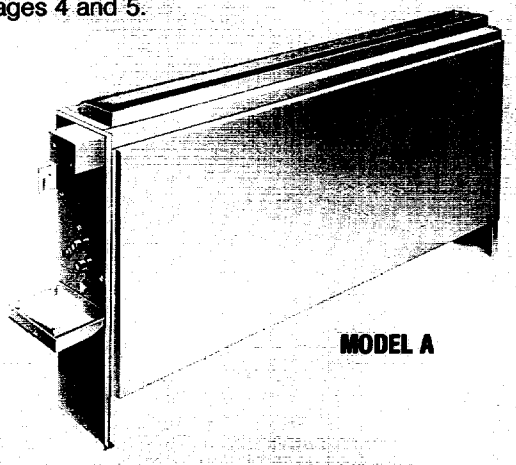
200-1200 CFM Cooling & Heating
Fan Coil Air Conditioner/Air Terminal Devices

Unitrane®

TRANE™



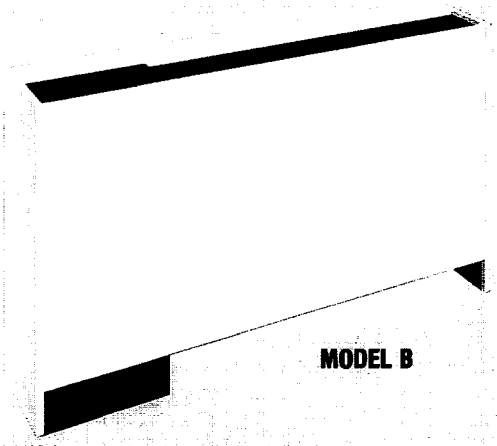
For a layout of this model's basic components, see pages 4 and 5.



MODEL A

200 TO 1,200 CFM VERTICAL CONCEALED

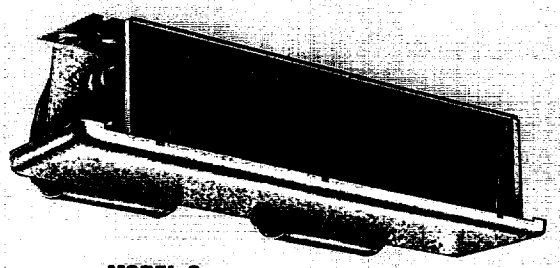
For a layout of this model's basic components, see page 4.



MODEL B

200 TO 600 CFM VERTICAL CABINET

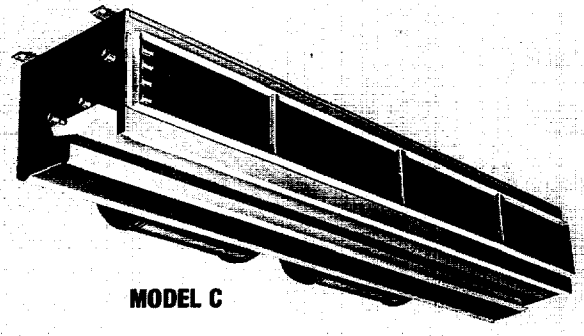
For a layout of this model's basic components, see page 6.



MODEL C

200 TO 600 CFM HORIZONTAL CONCEALED

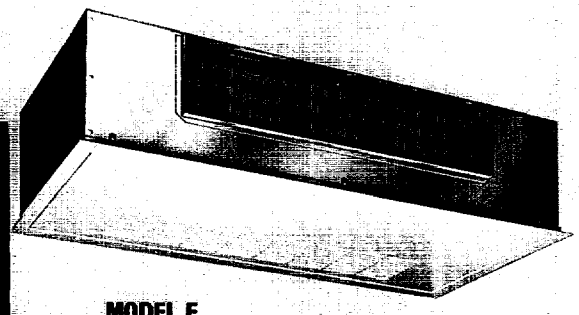
For a layout of this model's basic components, see page 6.



MODEL C

800 TO 1,200 CFM HORIZONTAL CONCEALED

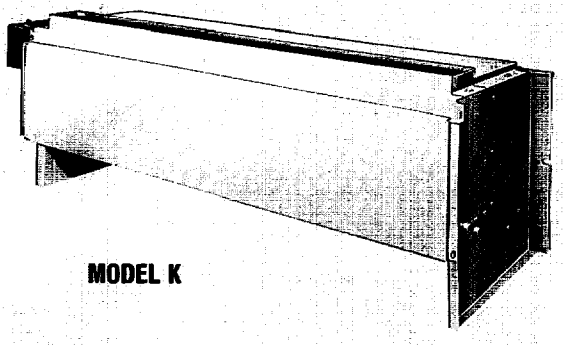
For a layout of this model's basic components, see page 6.



MODEL E

200 TO 600 CFM HORIZONTAL RECESSED

For a layout of this model's basic components, see page 7.



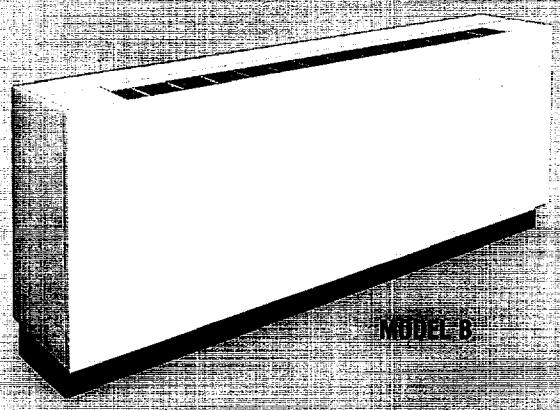
MODEL K

200 TO 600 CFM LOW VERTICAL CONCEALED

UNITRANE

UNDERWRITERS LABORATORY LISTING All units can be supplied with UL labels by adding conduit to all exposed wiring as well as a drip pan underneath the fan motor.

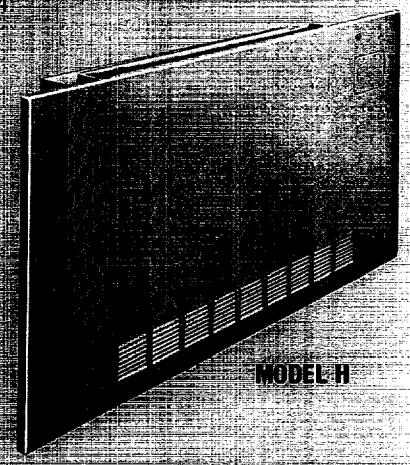
For a layout of this model's basic components, see page 5.



MODEL B

800 TO 1,200 CFM - VERTICAL CABINET

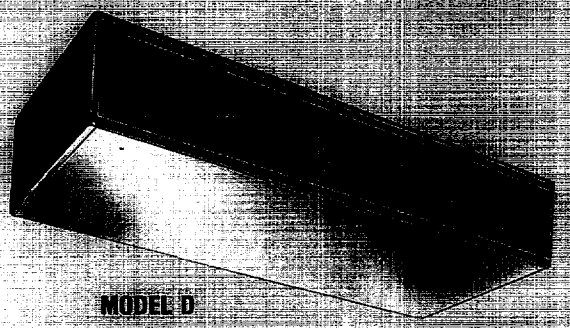
For a layout of this model's basic components, see page 4.



MODEL H

200 TO 600 CFM - VERTICAL RECESSED

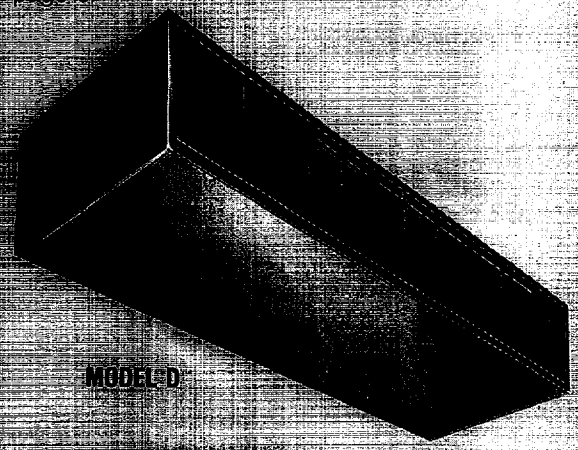
For a layout of this model's basic components, see page 6.



MODEL D

200 TO 600 CFM - HORIZONTAL CABINET

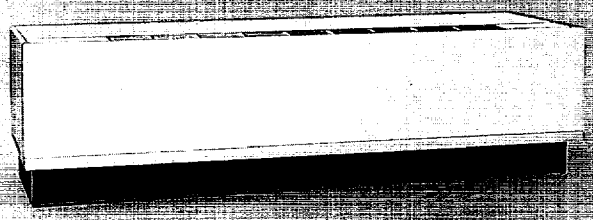
For a layout of this model's basic components, see page 6.



MODEL D

800 TO 1,200 CFM - HORIZONTAL CABINET

For a layout of this model's basic components, see page 7.

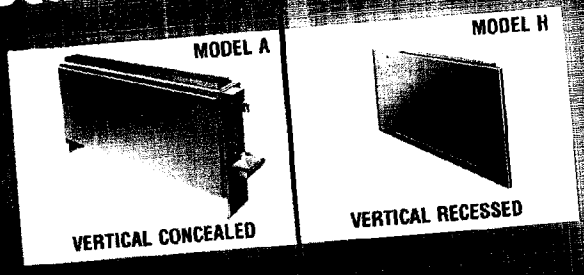


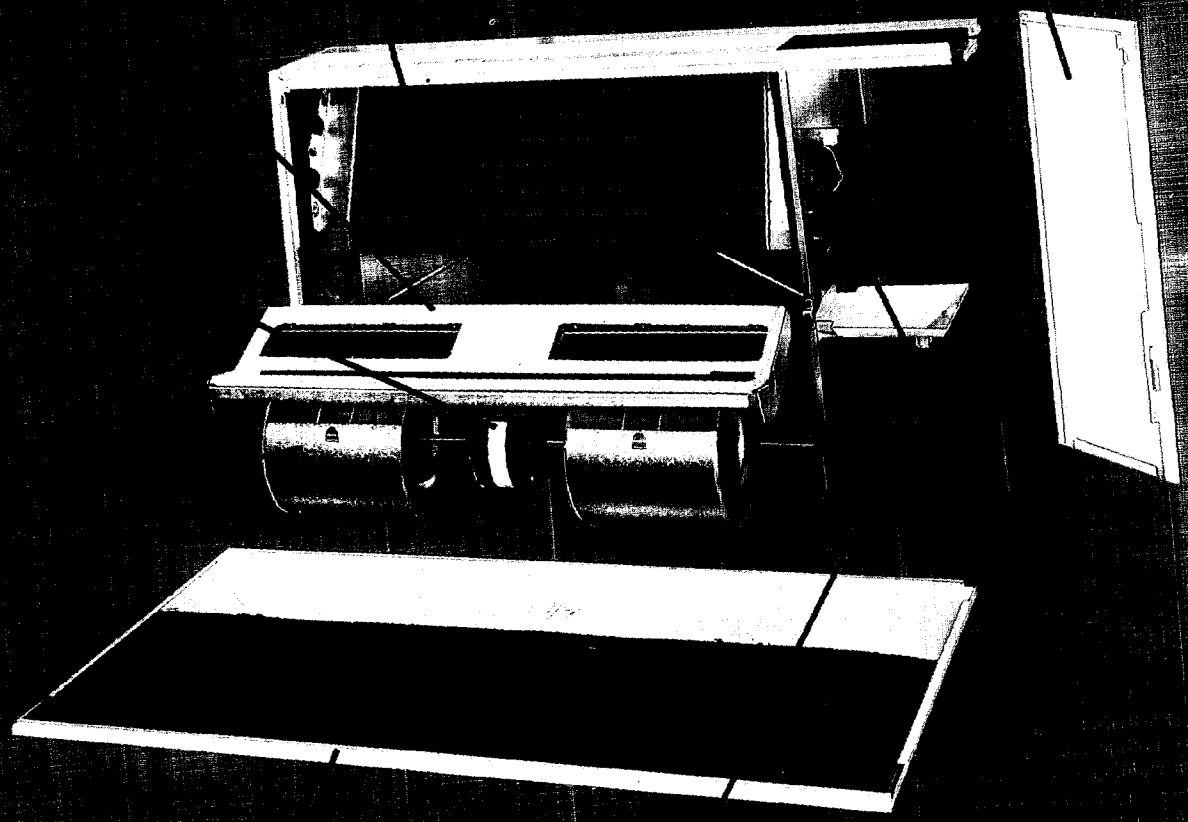
MODEL L

200 TO 600 CFM - LOW VERTICAL CABINET

CONTENTS

Rugged UniTrane constructed to meet the most demanding installation

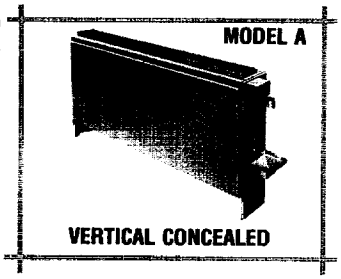




UNITRANE

Excellent selection for applications with high and variable load requirements

Vertical concealed (800 to 1,200 cfm) interior components are identical to the vertical cabinet components pictured here.



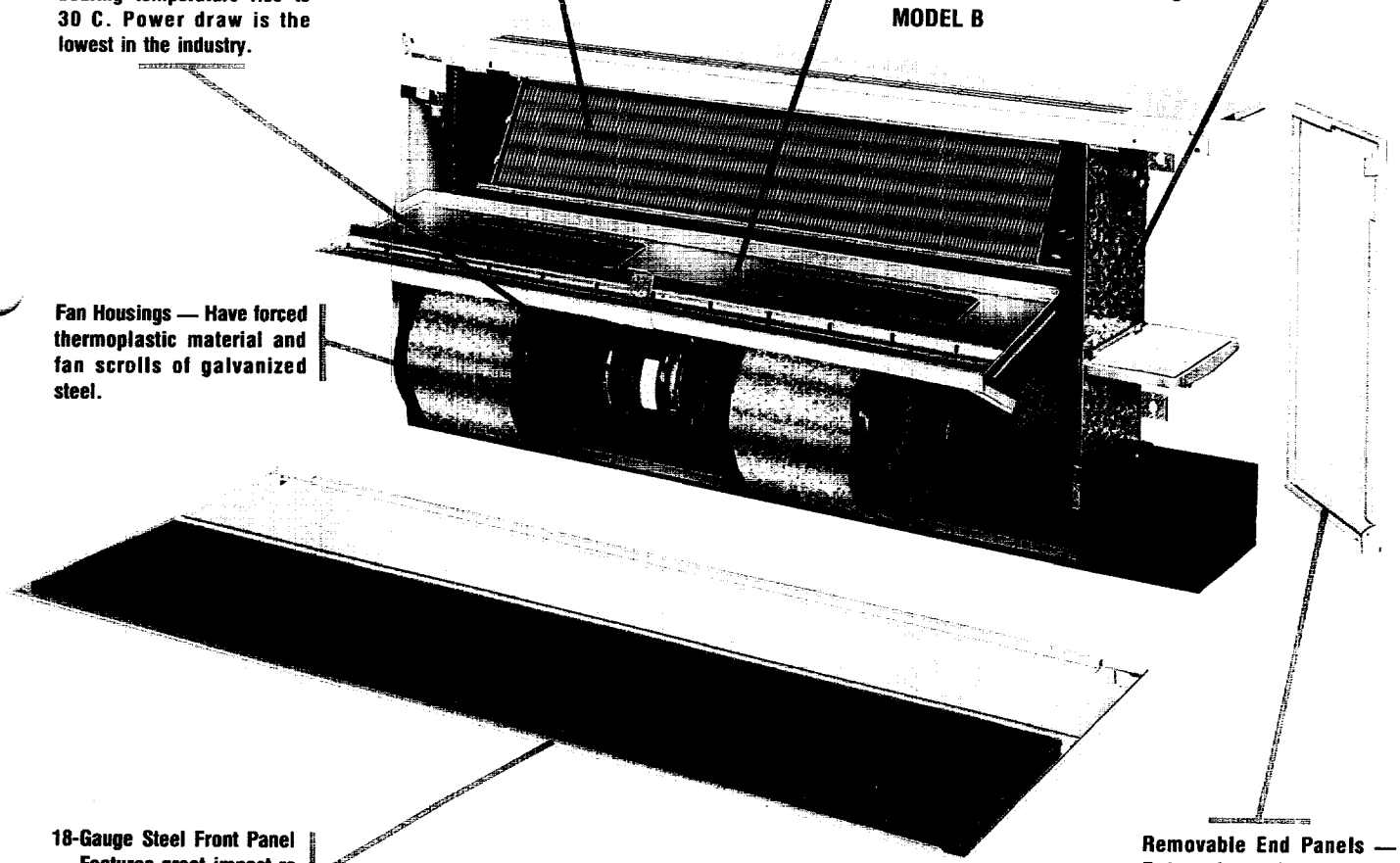
Low Temperature Rise Motor — Strict Trane specifications limit winding temperature rise to a maximum of 60 C and bearing temperature rise to 30 C. Power draw is the lowest in the industry.

Durable Coils — Aluminum fins mechanically bonded to copper tubes.

Drain Pan — Galvanized steel with flexible insulation over entire underside surface.

Basic Chassis — Made of galvanized steel with flanged edges.

MODEL B



Fan Housings — Have forced thermoplastic material and fan scrolls of galvanized steel.

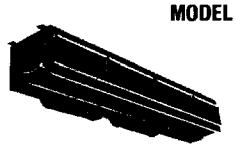
18-Gauge Steel Front Panel — Features great impact resistance because of heavy-gauge steel and return forms on all four sides.

Removable End Panels — Return formed on all four sides for maximum strength.

800 - 1200 cfm

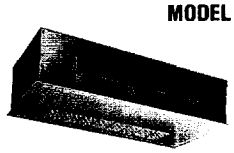
Horizontal [illegible] on floor space

Horizontal concealed (200 to 1,200 cfm) and horizontal recessed (200 to 600 cfm) interior components are similar to the horizontal cabinet components pictured here.



MODEL C

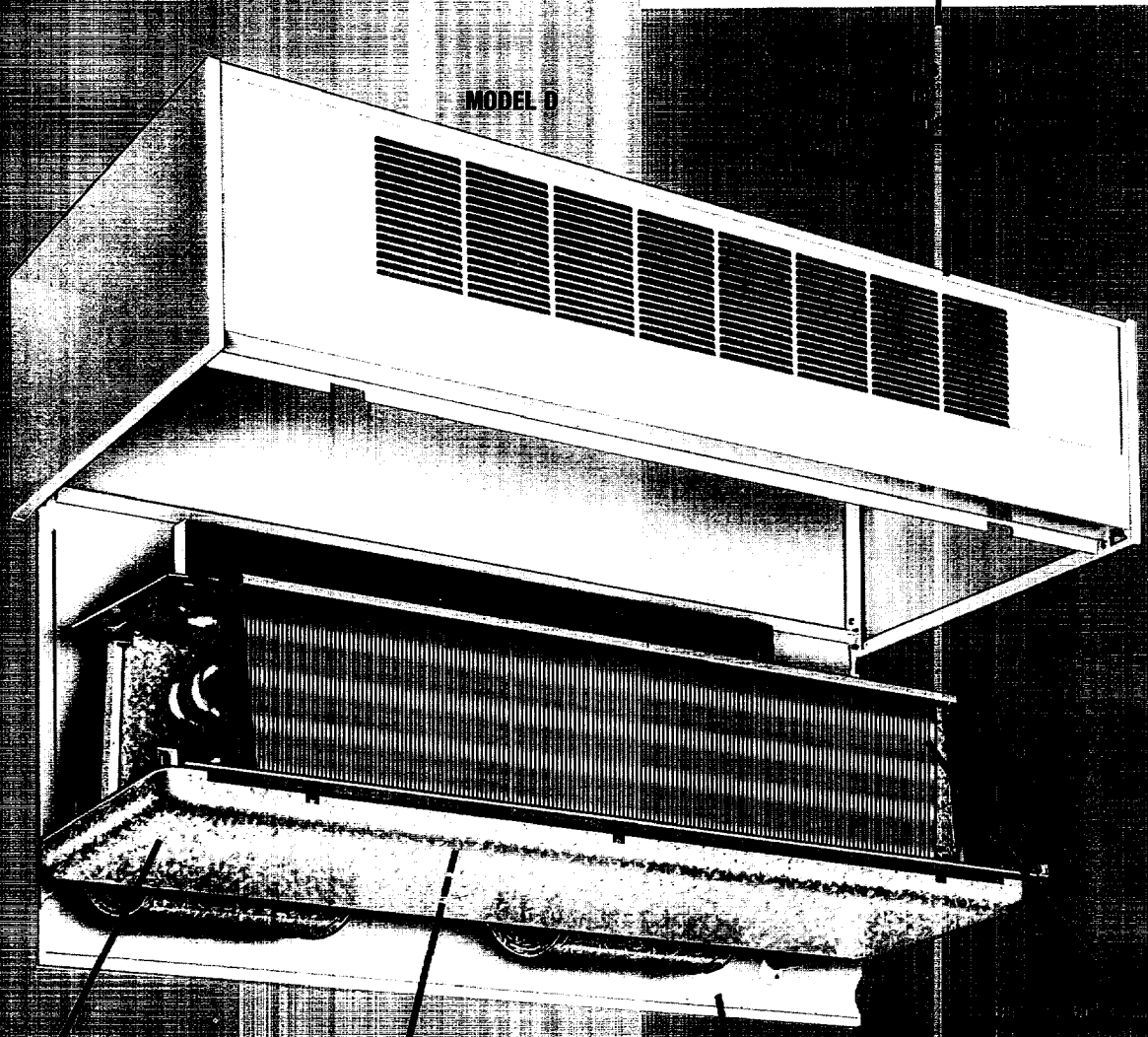
HORIZONTAL CONCEALED



MODEL E

HORIZONTAL RECESSED

MODEL D



Low temperature bias motor — Since Trane specifications limit winding temperature to a maximum of 60°C and bearing temperature rise to 30°C, power draw is the lowest in the industry.

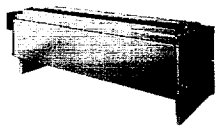
[illegible]

UNITRANE

Designed specifically for installation in buildings with low windows

Low vertical concealed (200 to 600 cfm) interior components are identical to the low vertical cabinet components pictured here.

MODEL K



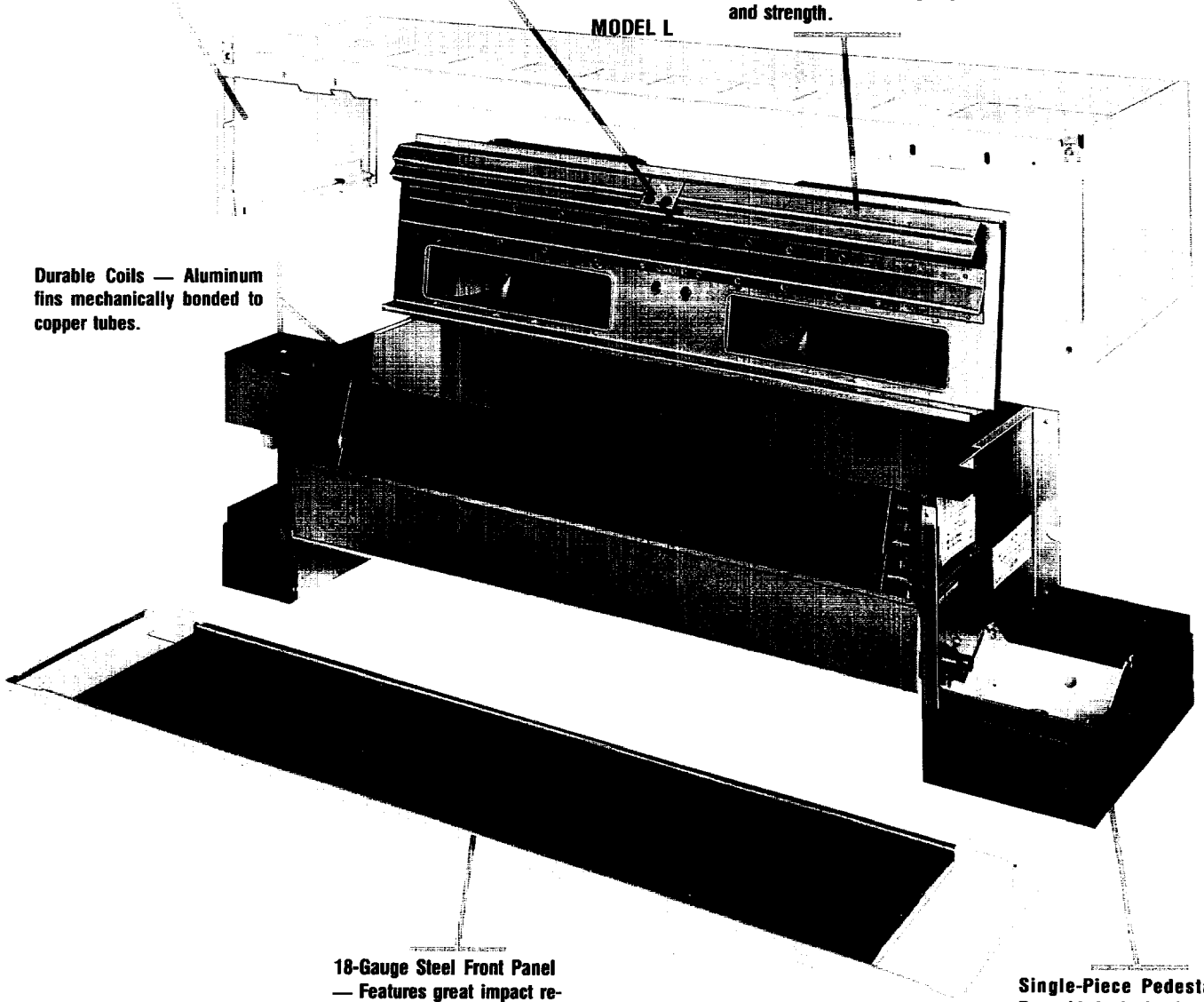
LOW VERTICAL CONCEALED

Low Temperature Rise Motor — Strict Trane specifications limit winding temperature rise to a maximum of 60 C and bearing temperature rise to 30 C. Power draw is the lowest in the industry.

Chassis — Side and top panels of finished cabinet are of one-piece construction.

Sheet Metal Fan Scrolls, Molded Fan Wheels, and Rigid Fan Board — V-formed and flanged for lateral rigidity and strength.

MODEL L



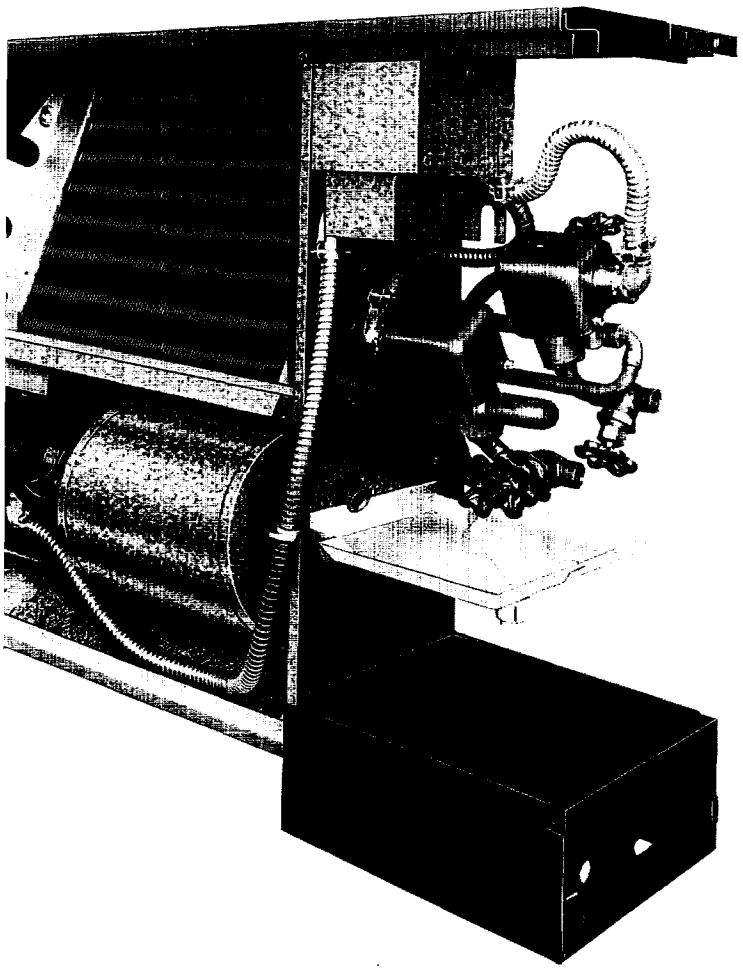
Durable Coils — Aluminum fins mechanically bonded to copper tubes.

18-Gauge Steel Front Panel — Features great impact resistance because heavy-gauge steel and return forms on all four sides.

Single-Piece Pedestal — Four-sided, single-piece pedestal serves as sturdy base in end pocket area.

200 - 600 cfm

Control systems two-pipe and four-pipe



CONTROL SYSTEMS, TWO-PIPE AND FOUR-PIPE

The control options shown in Table 8-1 are available for vertical and horizontal units 200 through 1,200 cfm. On vertical units, most of the controls are fully unit mounted; on horizontal units all controls are wall mounted as standard.

The table is a quick reference for selecting a control option for all systems, two-pipe and four-pipe, by reading across the table from left to right.

TABLE 8-1 Control Selection For Units Without Electric Coils

Cycle	Fan Speed Selection	Changeover	Thermostat	Control Number
Two-Pipe System				
None	Occupant	None	None	H31
Valve	Occupant	None	None	H32
Fan	Occupant	Automatic	Single Stage	H36
Fan	Occupant	Manual	Single Stage	H34
Fan	Automatic	Automatic	Single Stage	H16
Fan	Occupant	Automatic	Single Stage	H41
Valve	Occupant	Manual	Single Stage	H35
Valve	Occupant	Automatic	Single Stage	H37
Valve	Occupant	Automatic	Single Stage	H40
Four-Pipe System				
Valve	Occupant	None	Two-Stage	H13
Valve	Occupant	Manual	Single Stage	H38
Valve	Occupant	Automatic	Two-Stage	H39
Fan and Valve	Occupant	Automatic	Two-Stage	H43

VALVE PACKAGES

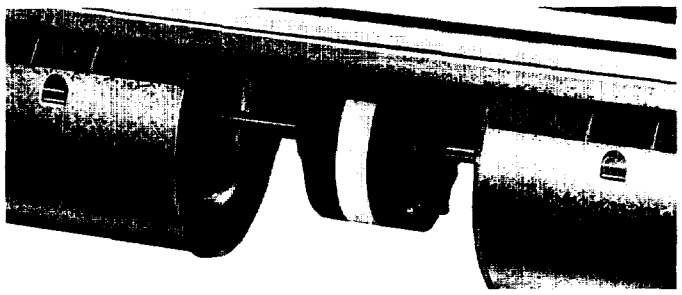
Electric valve packages include Erie two-way or three-way motorized valves for a two-pipe system. On a four-pipe system, either two 2-ways, two 3-ways or one 2-way and one 3-way package is available completely factory assembled and on most units factory installed.

Pneumatic valve packages are available with the same combination as electric. Control valves are by others. The five manufacturers that The Trane Company has standard valve package arrangements with are Johnson service, Honeywell, Barber-Colman, Powers and Robertshaw.

For detailed control descriptions and valve package arrangements, see Fan-Coil UniTrane Controls and Piping Package catalog, CS UNT-1.

LOWEST ENERGY COST IN THE INDUSTRY

The Trane Company offers the most efficient fans and fan motors currently available on fan-coil units. Operating costs are reduced significantly using Trane's standard shaded pole motors when compared to other manufacturers. To further improve operating costs, Trane also offers high-efficiency, high-power factor permanent split capacitor (psc) motors.



How sizable are the savings? Using standard psc motors, Trane saves an average of 40 percent* per year over like competitive units with psc motors. That's equivalent to nearly $4,000 annual savings† on a typical 200-unit job. Actual savings vary from job to job, but may be two to three times this value depending on the unit sizes used.

Your Trane sales representative can calculate the actual savings available on your next job.

ALL MOTOR DATA IS SHOWN ON PAGE 47, TABLE 47-1

* Based on a unit size breakdown of 35 percent 200 and 300-cfm units, 50 percent 400 and 600-cfm units and 15 percent larger units.

† Based on 8,000 annual fan operating hours and an electrical rate of $.03/kwh.

HIGH QUALITY CONSTRUCTION

BASIC UNIT

The top discharge grille of the vertical cabinet unit has a ⅝-inch recess which eliminates condensate carryover. Grilles are made of galvanized steel, thermal plastic or cast aluminum all of which resist corrosion.

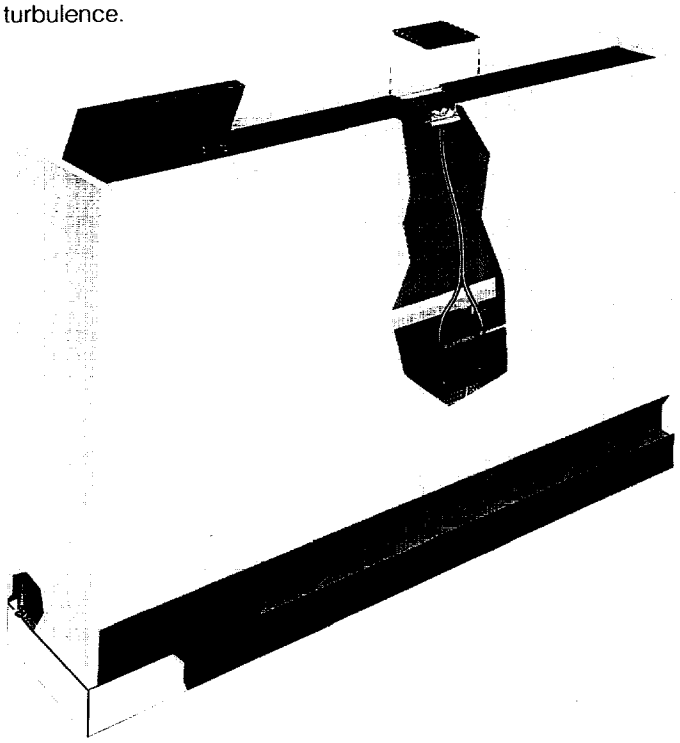
All interior surfaces subject to condensate, such as drain pans, and back and end panels are galvanized for corrosion protection. Panels exposed to cold air discharge are supplied with heavy insulation to prevent sweating. The main drain pan is lined with a molded polystyrene foam which allows condensate to flow easily to the drain line.

Units are well insulated against condensate. Our design is based on a full 8-hour test with fans off and extreme conditions of 43 F entering water temperature and 80/75 F entering air temperature at 6 gpm. During this test condensate does not form except over the drain pan.

The exterior cabinet surfaces are protected by a 5-step coating to resist corrosion and scratches. The 5-step coating (paint) exceeds the Corps of Engineers Specification CE301.35 and CE301.37. Cabinet scratches will not creep more than 1/16 inch after 125 hours exposure to 20 percent salt spray solution.

Motors are factory-run tested in completed units at 90 percent of rated voltage to ensure reliable starting and vibration-free operation. Lower bearing temperature rise (30 C) also increases life. The estimated average life is 100,000 hours with psc motors and 60,000 hours with shaded pole motors.

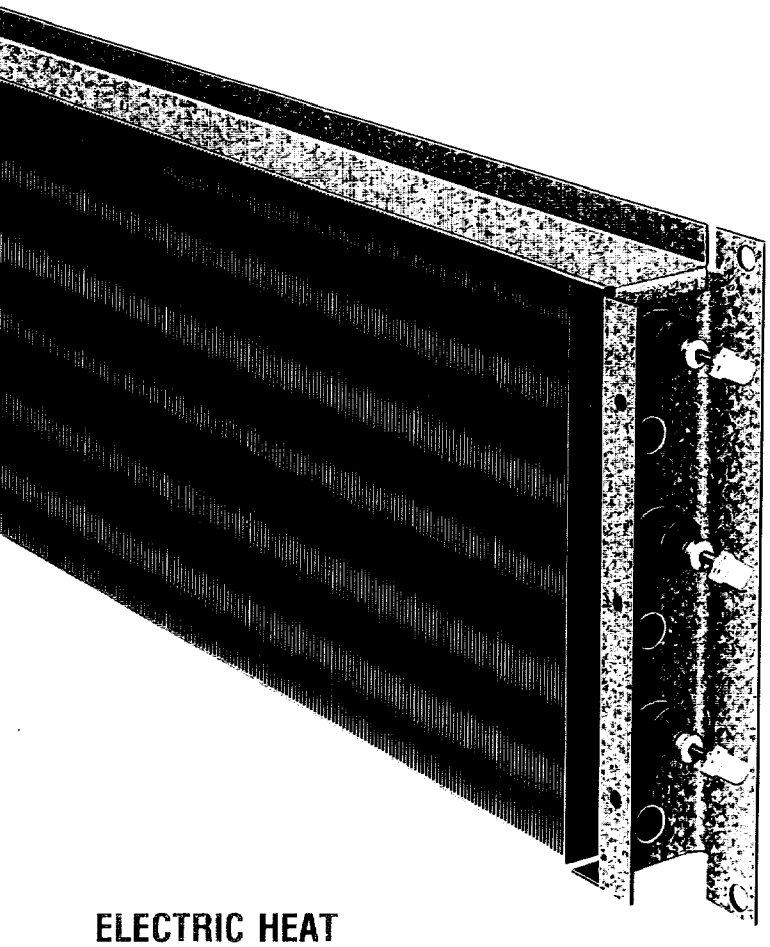
Fiberglass reinforced fan wheels or optional aluminum fan wheels and sheet metal fan scrolls will not corrode. Precisely designed fan wheels reduce blade frequency noise and produce a low sound level. Radially and axially expanded fan scrolls provide full airflow with reduced turbulence.



ACCESSORIES AND OPTIONS TO COMPLETE A FULL LINE

- Coils
  - — Standard water (AO)
  - — High temperature rise water (DO)
  - — Standard water plus auxiliary water (AL)
  - — High temperature rise water plus auxiliary water (DL)
  - — Standard water plus auxiliary electric (AE)
  - — High temperature rise water plus low capacity electric (DE)
- Filters
  - — Throwaway
  - — Permanent
  - — Replaceable media
  - — Renewable media
- Motors
  - — Standard shaded pole
  - — Permanent split capacitor
  - — High external static pressure
- Motor Controls
  - — A variety of motor controls are available. See catalog CS UNT-1.
- Valve Packages
  - — A variety of valve packages are available. See catalog CS UNT-1.
- Damper Operators
  - — Only available for vertical units
  - — Can be supplied for either 25 or 100 percent fresh air arrangements in electric motor operators or pneumatic motor operators
- Wall Boxes
  - — Outside air wall boxes available for vertical units only
- Transformers
  - — Can be supplied on orders where the primary voltage must be stepped down from either 208, 240, 277-volt single phase or 208, 240, 480-volt three phase to a 120-volt motor
- Baked Enamel Finish
  - — Shell white, platinum gray, chestnut brown, pale gold, redwood or forest green
- Unit Levelers
  - — Available on vertical units only
- Sixteen-Gauge Front Panel
  - — Optional feature for Model B and Model H style units
- Recessed Flanges
  - — Available on Model B style units for recessing units within the wall
- False Back Spacer And False Back Spacer With Plenum
  - — Available for Model B style fan-coil units
- Cam Lock Access Door
  - — Available on vertical cabinet style units
- Subbases
  - — Available on vertical cabinet style units
- Return Air And Discharge Grilles
  - — For use in cabinetry manufactured by others
  - — They ensure proper amounts of return or discharge air

Electric heat options, controls and coils



ELECTRIC HEAT

Electric heating coils in a fan-coil unit are used as either the total source of heat or auxiliary intermediate season heating. These two control types operate as follows:

TOTAL HEATING — When electric coils are used for total heating, the main water coil does the cooling and the heating coil satisfies the total heating demand year round. There is no changeover.

INTERMEDIATE SEASON HEATING — When electric coils are used for intermediate season heating, the main water coil is used for either heating or cooling. In the cooling or intermediate season when the units are on cooling, the electric coil is energized to offset the small heating requirement. During the heating season when the main water coil is heating, the electric coil is locked out of the system.

STAGES OF HEAT — The total or intermediate season heating unit can operate with two stages of heating (dual heat) or a single heating stage (single heat).

Dual heat means the unit can operate at two different heating capacities. On high speed all of the elements in the electric coil are energized. On medium or low speed only some of the elements are energized.

Single heat means that the elements in the electric coil are always energized no matter what the fan speed. Only low kw coils can be used.

The various kw and MBh capacities are shown in the electric coil characteristic tables.

ELECTRIC COIL CONSTRUCTION

The construction of the electric heating coil is similar to a hydronic fin tube coil except resistance elements are inserted inside the tubes. This provides greater airside heat transfer surface that creates lower fin surface temperatures. So electric heat element life is increased and cabinets are only warm to the touch.

TABLE 10-1 Electric Coil Characteristics For Single Heat Units

			HIGH SPEED OPERATION					
			LINE CURRENT (AMPS)					
			Single Phase			Three Phase		
			Two Wire			Three Wire		
Size	KW	MBH	120 V	240 V	277 V	208 V	240 V	480 V
02	1.0	3.4	8.3	NA	3.6	NA	NA	NA
03	1.5	5.1	12.5	NA	5.4	NA	NA	NA
04	2.0	6.8	16.7	NA	7.2	NA	NA	NA
06	2.4	8.2	20.0	NA	NA	NA	NA	NA
06	3.0	10.2	NA	NA	10.8	NA	NA	NA
08	4.0	13.7	NA	16.7	14.7	11.1	9.7	4.8
10	5.0	17.1	NA	20.8	18.1	13.9	12.0	6.0
12	6.0	20.4	NA	NA	21.7	16.7	14.4	7.2
12	5.4	18.4	NA	22.5	NA	NA	NA	NA

NOTE: ELECTRIC HEATING COILS ARE NOT AVAILABLE AS STANDARD WITH THE FOLLOWING UNITS:
- — Low vertical units
- — 800 to 1,200 cfm horizontal cabinet units with quadrifuser grilles
- — 800 to 1,200 cfm units with Type D coils

TABLE 10-2 Electric Coil Characteristics for Dual Heat 200 Through 600 CFM Units

				HIGH SPEED OPERATION					
				LINE CURRENT (AMPS)					
				Single Phase			Three Phase		
				Two Wire			Three Wire		
Size	High Speed KW	Medium or Low Speed KW	High Speed MBH	208 V	240 V	277 V	208 V	240 V	480 V
02	2.5	1.25	8.6	12.0	10.4	9.0	7.0	6.0	3.0
03	3.75	1.88	12.8	18.0	15.6	13.5	10.4	9.0	4.5
04	5.0	2.5	17.1	24.0	20.8	18.0	13.9	12.0	6.0
06	7.5	3.75	25.6	36.0	31.2	27.0	20.8	18.0	9.0

NOTE: ELECTRIC HEATING COILS ARE NOT AVAILABLE AS STANDARD WITH THE FOLLOWING UNITS:
- — Low vertical units
- — 200 to 600 cfm high kw units with Type D coils

POWER SUPPLY

The electric heat control circuit (including motor) normally operates at 120 volts. The electric heaters will operate at 120, 208, 240 and 277 volts single phase or 208, 240 and 480 volts three phase. Normally, two separate power supply lines must be brought to the unit when two different voltages are used. However, a stepdown transformer can be supplied to allow the use of single, higher voltage supply which is reduced to handle the 120-volt control and motor circuit.

The 200 to 600 cfm units are available with a 277-volt single heat control and motor circuit to enable these units to operate from a single 277-volt supply without a transformer.

CONTROL OPTIONS

The variety of electric heat control options are shown in Table 11-1. To select the proper control, read the table from left to right. Select the type of system to be used and then the control type. Next find the correct unit size and type. Note whether or not a thermostat and a summer-winter switch are required and the type of control valve to be used. Finally, choose either the dual or single heat option. Select the proper voltage and read the corresponding control option.

SAFETY FEATURES

Besides the inherent safety of lower cabinet temperatures, all electric coils are protected in accordance with the National Electric Code and the following safety features:

1. All electric coils are interlocked with the fan-motor switch. Electric heat is possible only when the fan motor is energized.
2. A unit-mounted magnetic contactor is supplied on all voltages of 208 and above. The 120-volt and 277-volt single heat controls have high amp switches and no contactors.
3. A high temperature cutout with automatic reset and serpentine sensing bulb over the length of the coil are provided to de-energize the coil in event of an overheat condition anywhere along the coil.
4. A fan override switch on all horizontal models with two-stage electric heat is supplied to keep the fan operating after power to the coil has been turned off. This prevents residual heat buildup and extends electric element life.

For detailed control descriptions and arrangements, see Fan-Coil UniTrane Controls and Piping Package catalog, D UNT-1.

TABLE 11-1 Fan-Coil UniTrane Electric Heat Control Options

							CONTROL SUPPLY VOLTAGE							
Type of System	Control Type	Unit Type And Size	Thermostat Style	Summer-Winter Changeover	Control Valve Style	Stage of Heat	120/60/1	277/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1
							HEATER SUPPLY VOLTAGE							
							120/60/1	277/60/1	208/60/1	240/60/1	277/60/1	208/60/3	240/60/3	480/60/3
Two-Pipe With Total Electric Heat	Fan Speed Switch and Manual Heat Switch	Vertical and Horizontal 200-600 cfm	None	None	None	Single	H101	H108	NA	NA	NA	NA	NA	NA
						Dual	NA	NA	H102	H103	H104	H105	H106	H107
					2 or 3-Way	Single	H111	H118	NA	NA	NA	NA	NA	NA
						Dual	NA	NA	H112	H113	H114	H115	H116	H117
	Fan Speed Switch and Manual Heat-Cool-Vent Switch	Horizontal 800-1,200 cfm	None	None	2 or 3-Way	Single	NA	NA	NA	H50	NA	H54	H56	H58
	Fan Speed Switch and Thermostat	Vertical and Horizontal 200-600 cfm	Two-Stage	None	2 or 3-Way	Single	H121	H128	NA	NA	NA	NA	NA	NA
						Dual	NA	NA	H122	H123	H124	H125	H126	H127
Two-Pipe With Intermediate Season Electric Heat	Fan Speed Switch and Thermostat	Vertical 200-600 cfm	Two-Stage	Manual	2 or 3-Way	Single	H141	H148	NA	NA	NA	NA	NA	NA
						Dual	NA	NA	H142	H143	H144	H145	H146	H147
		Vertical 800-1,200 cfm				Single	NA	NA	NA	H54	NA	H57	H72	H75
		Vertical and Horizontal 200-600 cfm		Automatic	3-Way	Single	H131	H138	NA	NA	NA	NA	NA	NA
						Dual	NA	NA	H132	H133	H134	H135	H136	H137
		Vertical 800-1,200 cfm	Two-Stage	Automatic	3-Way	Single	NA	NA	NA	H55	NA	H58	H73	H76
	Fan Speed Switch and Heat Cool-Vent Switch	Vertical 800-1,200 cfm	None	Automatic	3-Way	Single	NA	NA	NA	H51	NA	H56	H71	H74
	Fan Speed Switch, Thermostat and Manual Cool-Heat Vent Switch	Horizontal 800-1,200 cfm	Single-Stage	Automatic	3-Way	Single	NA	H71	NA	H51	NA	H55	H57	H59

NOTES:

NA — Not Available

The standard control components are unit mounted on vertical units and wall mounted on horizontal units.

B	2	5	AL	04

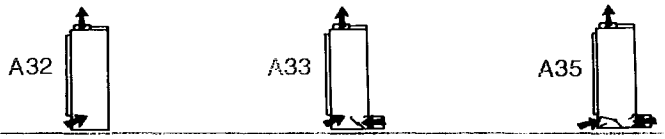
MODEL		OUTLET		INLET	
A	VERTICAL CONCEALED	3	DUCT COLLAR TOP	2	RA TOE SPACE
				3	0-25% FA BACK
				5	0-100% FA BACK-MIXING BASE
B	VERTICAL CABINET	1	INTEGRAL TOP	2	RA TOE SPACE
		2	QUADRIFUSER TOP	3	0-25% FA BACK
				5	0-100% FA BACK-MIXING BASE
C	HORIZONTAL CONCEALED	3	DUCT COLLAR	2	EXPOSED FAN
				4	DUCT COLLAR BACK
D	HORIZONTAL CABINET	1	INTEGRAL FRONT	1	INTEGRAL BACK
		2	QUADRIFUSER FRONT	6	INTEGRAL BOTTOM
E	HORIZONTAL RECESSED	5	DUCT COLLAR FRONT	4	DUCT COLLAR BACK
				6	INTEGRAL BOTTOM
H	VERTICAL RECESSED	3	DUCT COLLAR TOP	6	INTEGRAL FRONT
K	LOW VERTICAL CONCEALED	3	DUCT COLLAR TOP	2	RA TOE SPACE
				3	0-25% FA BACK
L	LOW VERTICAL CABINET	1	INTEGRAL TOP	2	RA TOE SPACE
		2	QUADRIFUSER TOP	3	0-25% FA BACK

UNIT SIZE
02
03
04
06
08
10
12

COIL TYPE	
AO	STANDARD
DO	HIGH TEMPERATURE RISE
AL	STANDARD AND AUXILIARY WATER
DL	HIGH TEMP RISE AND AUX WATER
AE	STANDARD WATER AND AUX ELECTRIC
DE	HIGH TEMP RISE AND AUX ELECTRIC

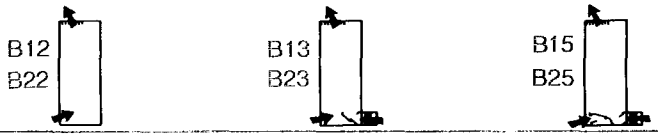
A

VERTICAL CONCEALED



B

VERTICAL CABINET



C

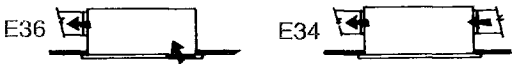
HORIZONTAL CONCEALED

D

HORIZONTAL CABINET

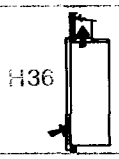
E

HORIZONTAL RECESSED



H

VERTICAL RECESSED



K

LOW VERTICAL CONCEALED

L

LOW VERTICAL CABINET

Installation and maintenance features

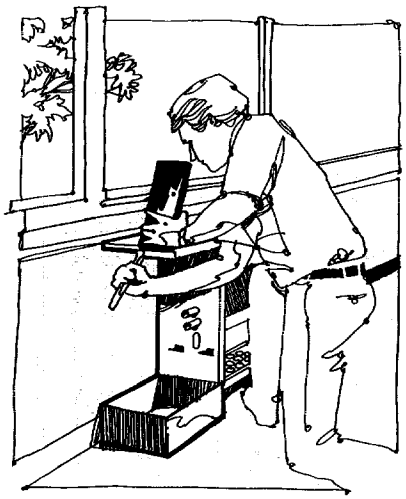
VERTICAL UNITS

Front Panel Removal — The vertical cabinet front panel drops forward after the panel has been pulled up approximately ½ inch.

For the vertical recessed panel, two Allenhead screws must be loosened before lifting up ½ inch. On the vertical concealed units, the panel is removed by loosening sheet metal screws.

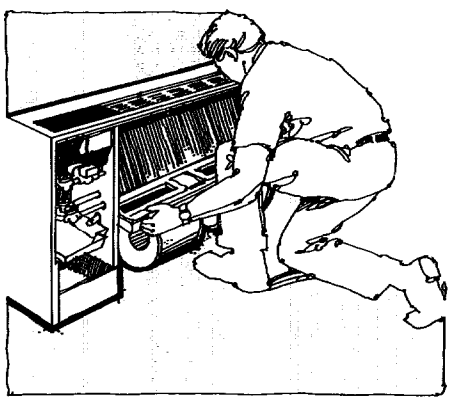
With the front panels off, the unit is fully accessible for installation or maintenance.

End Panel Removal — End panels on vertical cabinet units are readily removed by releasing two screws on the front edge of the panel and sliding forward. With the end panel removed, the entire end pocket is accessible for easy installation of valve package and wiring. All other vertical units have open end pockets.



Auxiliary Drain Pan Removal — The ABS thermal plastic pan hooks into the unit with integral locking tabs. There are no screws or clips so the pan is easily removed. The unique slip fit plastic drain connection requires no soldering, threading or mastic.

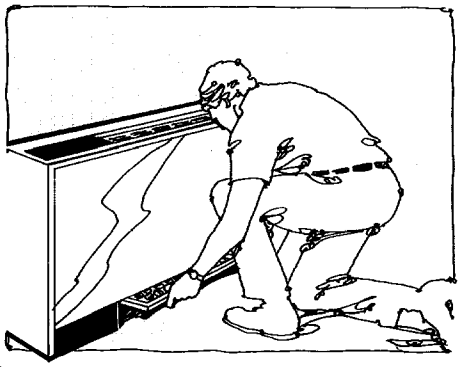
Fan Board Removal — The fan board hooks at back and is held at front by two easily accessible screws. With the screws removed, fan board assembly slides forward for easy removal.



Motor Oiling — Motor oilers are readily accessible for easy lubrication. Extended oilers can be supplied as an option for oiling through the top discharge grille. Motors should be oiled twice annually, using 6 to 8 drops of SAE No. 10 nondetergent motor oil.

Coil Cleaning — Coil face area is fully accessible with the front panel removed making cleaning an easy task.

Filter Removal — Filters are removed by sliding beneath the front panel through the return air toe space, making filters easy to replace and clean.

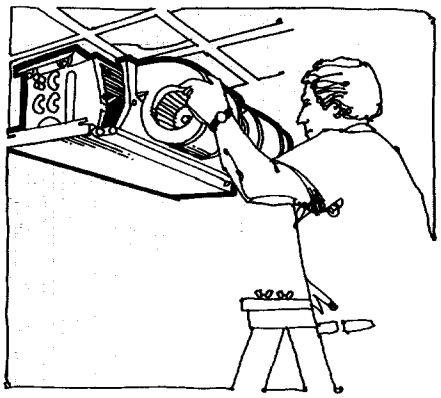


HORIZONTAL UNITS

Bottom Panel Drops Down — On horizontal cabinets and recessed unit, the bottom panel is hinged at the rear with Allenhead locks at the front edge. By turning the Allenhead locks, the panel drops down making unit fully accessible for installation or maintenance.

Auxiliary Drain Pan Removal — The ABS thermal plastic drain pan hooks to the edge of the coil drain pan. Only two sheetmetal screws must be removed for full drain pan removal. With the pan removed, there is full access below the unit for installation of piping package and electric wiring.

Fan Board Removal — The fan board is fully detachable from the unit by removing two wingnuts.



Motor Oiling and Coil Cleaning — Motor and coil are serviced in the same fashion as the vertical units. The motor, however, cannot have extended oilers.

Filter Removal — Filters are readily accessible by dropping down bottom panels. With the bottom panel down, the filters can be cleaned or replaced easily.

UNITRANE® ESTABLISHES STANDARD OF QUIETNESS

UniTrane sound power data, shown below for high, medium and low speeds was obtained in the Trane Acoustics Laboratory — a facility considered by nationally recognized sound consultants to be one of the finest of its type in existence.

Now the designer is equipped to predict the sound pressure spectrum for an occupied space resulting from room air conditioning unit operation. By specifying sound power limitations, the consultant can help to assure the level of quietness desired by his customer.

Sound power rating data for UniTrane was measured in the reverberant rooms of the acoustics laboratory. The testing was conducted in accordance with ARI Standard 443-70, "Standard For Sound Ratings of Fan-Coil Air Conditioners," which limits data to the second through the eighth octave bands. This standard, as defined by ARI, refers to ASHRAE Standard 36.62.

UniTrane sound power data is based on the May 30, 1968 ASHRAE recalibration of the reference sound source. The recalibration has increased sound power data based on the former ILG referenced sound source by 1½ to 4 db. Obviously, if a comparison is to be made with ratings of other makes such ratings too should be taken in accordance with ARI Standard 443-70 and the May 30, 1968 recalibration in an acoustical laboratory of proven measurement capability.

ROOM EFFECT

The environment in which any sound producing device is placed influences the resulting sound level. Room effect adjusts the sound power data in accordance with the room construction and furnishings.

When analyzing the sound power data from Tables 15-1, 15-2 and 15-3, these room effects must be subtracted to arrive at the resulting sound power pressure level.

Room effect can be calculated. The procedure is outlined in the ASHRAE Guide, Chapter 31. However, for convenience Table 15-4 contains representative values.

SAMPLE CALCULATIONS

The procedure for calculating the NC level for a given application is as follows:

1. Using Table 15-1, 15-2 or 15-3, tabulate the sound power data by octave band for the unit size selected.
2. Select the proper room effect by octave band and subtract from item 1 above.
3. Plot the resulting sound pressure values on an octave band analysis chart.
4. Compare the plot with NC curves super-imposed on the chart. For example, the sound pressure level of a 200 cfm unit operating at high speed in an average motel room is as follows:

TABLE 14-1 Octave Band Analysis

Octave Band	2	3	4	5	6	7	8
Center Frequency (CPS)	125	250	500	1000	2000	4000	8000
Unit Sound Power	54.0	53.5	49.5	45.5	38.5	32.0	26.5
Room Effect	3.0	6.9	7.5	8.5	8.5	8.6	8.5
Sound Pressure Level	51.0	46.6	42.0	37.0	30.0	23.4	18.0

A plot of the above data on an octave band analysis chart shows the sound level is NC 37.0 in the fourth octave band. In all other bands the sound pressure level is below a NC 37.0.

CHART 14-1 NC Curves

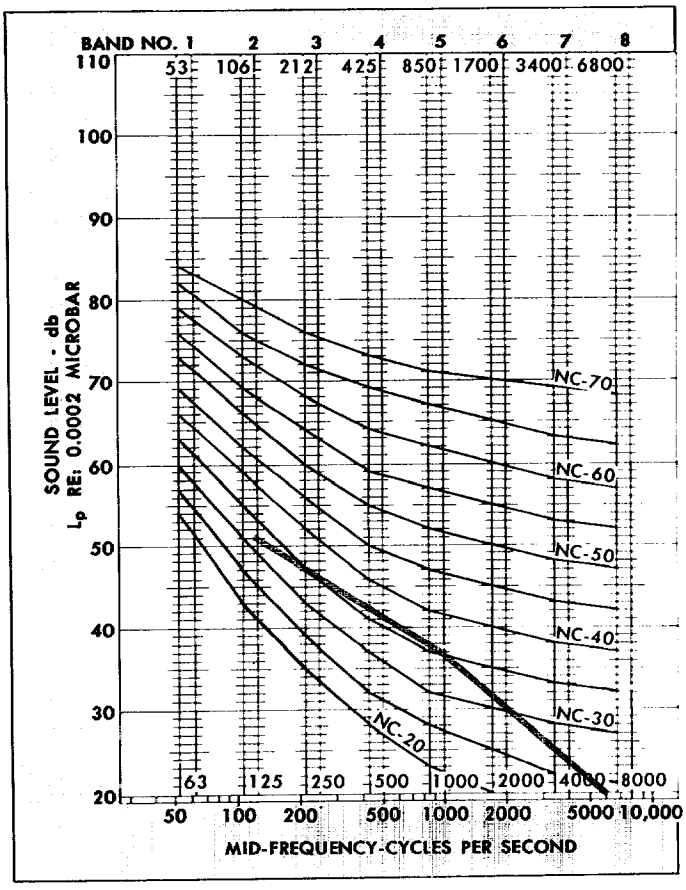


TABLE 15-1 High Speed UniTrane Octave Band Sound Power Ratings (Re: 10^{-12} Watts)

OCTAVE BAND			2	3	4	5	6	7	8
CENTER FREQ (CPS)			125	250	500	1,000	2,000	4,000	8,000
MODEL	CFM SIZE	HIGH SPEED RPM							
Horiz. and Vertical	200	1,100	54.0	53.5	49.5	45.5	38.5	32.0	26.5
Horiz. and Vertical	300	1,100	57.5	57.0	52.5	48.5	41.5	36.5	32.0
Horiz. and Vertical	400	1,075	57.0	55.5	51.5	47.5	40.5	34.0	30.0
Horiz. and Vertical	600	1,075	60.5	58.5	54.5	50.0	43.5	38.0	34.0
Horiz. and Vertical	800	775	59.0	57.0	53.5	50.0	44.0	36.5	29.0
Horiz. and Vertical	1,000	775	62.0	59.0	54.0	50.5	44.0	37.5	32.5
Horiz. and Vertical	1,200	775	64.0	61.5	56.0	52.0	47.0	41.0	34.5
Low Vertical	200	1,100	59.0	53.5	51.5	47.0	42.0	34.5	28.5
Low Vertical	300	1,100	62.0	57.5	55.0	49.0	44.0	36.5	31.0
Low Vertical	400	1,075	58.0	55.0	54.0	48.0	43.0	34.0	29.5
Low Vertical	600	1,075	63.0	60.0	58.5	53.0	49.0	42.0	34.0

TABLE 15-2 Medium Speed UniTrane Octave Band Sound Power Ratings (Re: 10^{-12} Watts)

OCTAVE BAND			2	3	4	5	6	7	8
CENTER FREQ (CPS)			125	250	500	1,000	2,000	4,000	8,000
MODEL	CFM SIZE	MEDIUM SPEED RPM							
Horiz. and Vertical	200	900	52.5	49.5	44.5	40.0	31.0	25.7	22.5
Horiz. and Vertical	300	900	56.0	52.0	47.0	43.0	35.0	31.0	27.0
Horiz. and Vertical	400	900	55.0	51.0	48.0	43.0	34.0	29.5	25.0
Horiz. and Vertical	600	900	58.5	55.0	51.5	45.5	37.0	33.0	29.0
Horiz. and Vertical	800	650	55.5	53.5	50.0	46.0	38.0	29.0	24.0
Horiz. and Vertical	1,000	650	58.0	55.0	50.0	46.0	38.5	31.0	27.0
Horiz. and Vertical	1,200	650	59.0	58.0	52.5	48.0	41.0	34.0	31.0
Low Vertical	200	900	57.0	50.0	48.0	43.0	37.0	29.0	24.0
Low Vertical	300	900	61.0	54.0	50.5	44.0	38.0	31.0	27.0
Low Vertical	400	900	54.0	53.0	51.0	46.0	39.5	32.0	27.5
Low Vertical	600	900	58.0	56.0	54.0	48.0	43.0	35.0	31.0

TABLE 15-3 Low Speed UniTrane Octave Band Sound Power Ratings (Re: 10^{-12} Watts)

OCTAVE BAND			2	3	4	5	6	7	8
CENTER FREQ (CPS)			125	250	500	1,000	2,000	4,000	8,000
MODEL	CFM SIZE	LOW SPEED RPM							
Horiz. and Vertical	200	700	47.5	44.5	39.5	33.5	25.5	—	—
Horiz. and Vertical	300	700	51.0	46.0	42.0	35.5	27.0	21.0	—
Horiz. and Vertical	400	700	50.0	46.0	43.0	36.0	28.0	22.0	—
Horiz. and Vertical	600	700	53.0	52.0	47.0	40.5	30.0	24.0	—
Horiz. and Vertical	800	525	50.0	49.0	44.0	40.0	29.0	22.0	—
Horiz. and Vertical	1,000	525	52.0	50.5	44.0	40.0	30.0	24.0	—
Horiz. and Vertical	1,200	525	55.5	53.0	46.0	41.5	33.0	25.0	—
Low Vertical	200	700	51.0	43.0	40.0	34.0	27.0	19.0	—
Low Vertical	300	700	55.0	47.0	45.0	38.0	32.0	24.0	—
Low Vertical	400	700	49.0	45.0	44.0	37.0	30.0	22.0	—
Low Vertical	600	700	53.0	50.0	48.0	41.0	37.0	27.0	—

TABLE 15-4 Typical Room Effect

TYPE OF ROOM	OCTAVE BAND						
	2	3	4	5	6	7	8
	CENTER FREQUENCY (CPS)						
	125	250	500	1,000	2,000	4,000	8,000
Hard Room (Hospital, etc.)	0	0.8	2.5	3.5	4.0	4.8	5.8
Medium Room (Motel, etc.)	3.0	6.9	7.5	8.5	8.5	8.6	8.5
Soft Room (Exec. Office)	3.3	7.2	10.3	11.0	10.5	10.5	10.7

NOTE: Above data is based on an observer location 5 feet from the source.

SELECTION PROCEDURE

SELECTING FAN-COIL UNITRANE®

BASIC INFORMATION REQUIRED

(1) Architectural Feasibility
(2) Space Availability
(3) Psychrometric Feasibility
(4) Circulation and Ventilation
(5) Room Acoustical Effect
(6) Control Desired
(7) Chilled Water Economies

Architectural Feasibility — Items such as floor to ceiling height, high peripheral loads, shaft space and functional use of space very often dictate the feasibility of a fan-coil system.

Space Availability — One prime area of design concern is maximum utilization of living and/or working space. The location of water risers, window sill height and width, and depth of the perimeter area all may be factors in the compatibility of manufacturers' models and architects' layouts.

Psychrometric Feasibility — Entering and leaving air conditions should be checked on key spaces to determine if indoor design conditions can be met with intended water temperatures. Part-load conditions should be checked with system compatibility.

Circulation and Ventilation — Air circulation can be as important a comfort condition as temperature. Proper fresh air amounts minimize odors.

Room Acoustical Effect — Noise control is very much a part of the total comfort design. Space usage should be determined to the maximum extent possible to set comfort and functional acoustical levels. Then, with the necessary room effect given, the perimeter unit sound power level can be selected.

Control Desired — The fan-coil system does offer the capability of being able to modulate air quantity, water quantity or water temperature to gain the degree of control desired. At this point, the designer should determine the number of units required for room layout and if use of auxiliary heating coils is warranted.

Chilled Water Economies — Once the space sensible and total design loads are calculated for each perimeter unit, an analysis can be made on the economical method of setting up the chilled water system. Some of the interrelated factors to consider are:

a) If there is a core area with high ventilation or latent load, this may set the chilled water temperature delivered by the central chiller. However, the highest entering chilled water temperature for the perimeter system should still be analyzed to determine feasibility of secondary chilled water loops.
b) If the perimeter system governs, generally the higher the chilled water temperature that can be used and still satisfy room requirements, the better the operating characteristics of the central chiller.
c) Low flow rates, while still maintaining control and hydraulic balance, generally represent system economies in selection and operation of central chillers, piping and pumps.

UniTrane Coil Selections — ALL ARI CERTIFIED — Type "A" Cooling-Heating Coils — This is a standard coil designed to meet average air conditioning requirements. The coil is usually used in the six to twelve degree temperature rise system application.

Type "D" High Rise Coil — The application for this coil is in those projects where installation space is limited, unusually high latent capacities required, and/or where the economic feasibility of high temperature rise — low flow rate coils is proven.

The Type "D" coil concept reduces chilled water flow rate from 3 gpm/ton, a standard in perimeter systems for many years, to approximately 1.5 gpm/ton. Correspondingly, the Type "D" coil relates to an approximate 16-degree temperature rise system.

Some first cost savings that may be realized from a high temperature rise concept are:
a) Reduction of pipe sizing by one or more nominal sizes.
b) Reduced cost of installation, fittings, valves, insulation, hangers and pumps.

Some operating cost savings that may be realized from a high temperature rise concept are:
a) Pump operating costs, if piping is sized for standard flow rates, will be reduced by one-eighth the equivalent cost necessary to circulate the standard flow rate.
b) Higher chilled water temperature rises afford the opportunity to design central chillers in series with resulting economy in energy/ton.

Type "E" and "L" Auxiliary Heating Coils — Discussions of the use of UniTrane electric heating coils and hot water heating coils can be found on pages 8, 10, 11 and 46.

Cooling Selection — In general, unit size is established by selecting cooling coils that match the room sensible load. In most cases, the unit coil will have sufficient latent capacity to meet the room latent load. This is because UniTrane coils have a nominal 75 percent sensible heat ratio at typical conditions. However, total capacity should be checked in all cases.

Required unit size can be approximated initially by referring to the nominal sensible cooling capacity values shown in Table 16-1. These capacities are tabulated at a nominal condition of 80 DB, 67 WB, 45 F entering water temperature, and 8 F and 16 F water temperature rise. Make the initial selection near the midpoint of the sensible heat capacity range of the unit size.

TABLE 16-1 Nominal Sensible Cooling Capacity, Btuh

		TYPE A COIL		TYPE D COIL	
UNIT SIZE	NOMINAL CFM	80 DB 67 WB 45 EWT 8F WTR	SENSIBLE CAPACITY RANGE	80 DB 67 WB 45 EWT 16F WTR	SENSIBLE CAPACITY RANGE
02	200	4,700	2,500 - 5,500	4,800	3,500 - 6,500
03	300	6,900	4,000 - 8,500	7,200	6,000 - 9,500
04	400	8,800	5,000 - 10,500	9,100	7,500 - 12,000
06	600	12,300	7,000 - 15,000	13,500	11,000 - 17,500
08	800	18,000	11,000 - 22,500	18,000	14,000 - 23,500
10	1000	21,000	13,000 - 26,000	20,900	16,000 - 27,000
12	1200	26,600	15,000 - 33,000	25,600	19,500 - 33,000

Cooling Capacity Tables — Cooling capacities at high speed have been tabulated in a unique format. For a given entering air temperature, the selection of the coil type and size can be found on the same page. In addition, capacities are tabulated as a function of water temperature rise to help the designer stay within desired conditions.

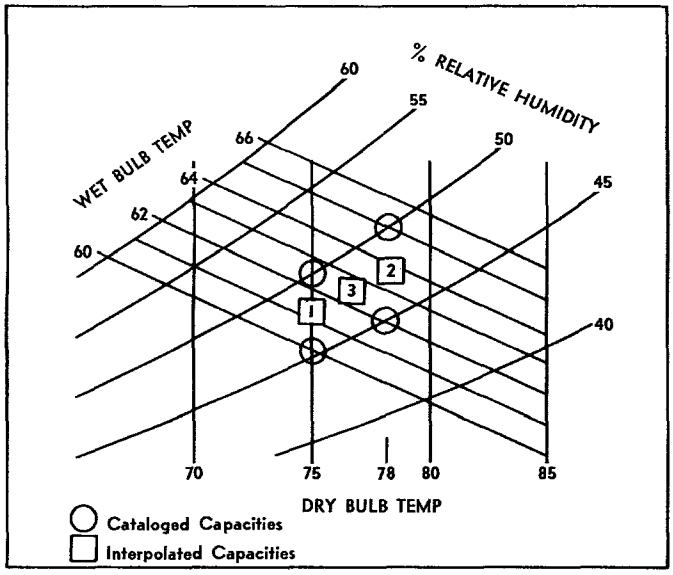
High speed cooling capacities have been tabulated for "A" and "D" coil types at entering air temperatures shown in Table 17-1.

TABLE 17-1 Entering Air Temperatures For Which Cooling Capacities Are Cataloged

DRY BULB TEMPERATURES													
72 F		75 F		78 F		80 F		85 F		90 F		95 F	
WB	% RH	WB	% RH	WB	% RH	WB	% RH	WB	% RH	WB	% RH	WB	% RH
59	45	61	45	63.5	45	63.5	40	67	40	71	40	75	40
60	50	63	50	65	50	67	50	71	50	75	50	79	50
61.5	55	64	55	68	60	70	60	74	60	78.5	60	83	60
VERTICAL MODELS													
LOW VERTICAL AND HORIZONTAL MODELS													

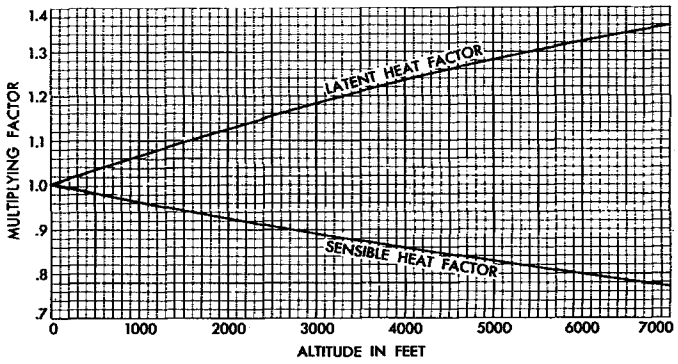
For capacities at noncataloged entering air temperatures, interpolate by keeping the dry bulb temperature constant and varying the relative humidity. For example, to obtain capacities at 77 DB/63 WB, 48 percent relative humidity (rh), first interpolate between 75 DB/50 percent rh and 75 DB/45 percent rh to obtain capacities at 75 DB/48 percent rh (Point 1 of Chart 17-1). Then interpolate between 78 DB/50 percent rh and 78 DB/45 percent rh to obtain capacity at 78 DB/48 percent rh (Point 3). Finally, interpolate between Point 1 and Point 2 to obtain capacities at 77 DB/63 WB, 48 percent rh.

CHART 17-1 Portion of Psychrometric Chart



Capacities at High Altitude Conditions — Chart 17-2 indicates the increased latent capacity and decreased sensible capacity at high altitude conditions.

CHART 17-2 Altitude Correction Factors

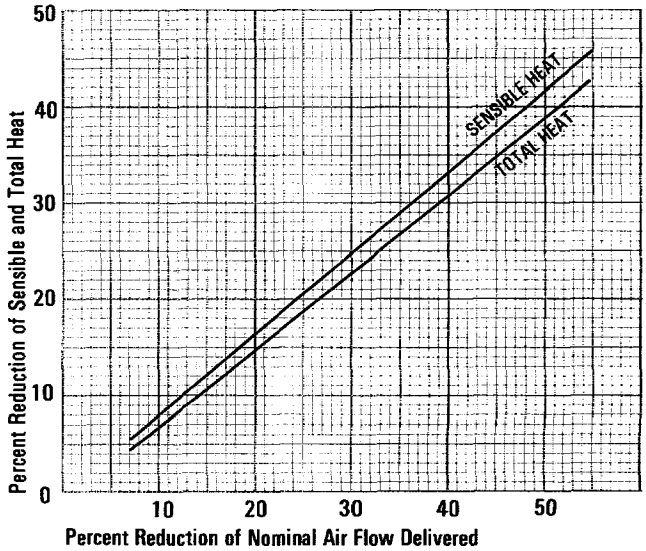


Heating Selections — UniTrane units selected to fulfill cooling requirements of the space will usually fulfill the heating requirements without utilizing high water temperatures. With two-pipe systems and one coil in each fan-coil unit, water flow is normally determined by the cooling capacity requirement. On four-pipe systems and two coils in each fan-coil unit, the hot water gpm may be different than the chilled water gpm.

With all systems, care should be taken to prevent coil freeze-up during winter operation when untempered outside air is brought directly to the fan-coil unit. This can usually be accomplished by interlocking an automatic outside air damper operator with the fan motor switch. This causes the outside air damper to close when the fan switch is in the off position, however, a freeze protection thermostat should be added when mixture air will be below 35 F.

Note: The gravity heating of UniTrane® vertical or horizontal units is a negligible two to five percent of high speed heating capacity.

CHART 17-3 Part Load Capacity



SELECTION PROCEDURE (Continued)

SELECTION EXAMPLE NO. 1

GIVEN:

COOLING

Indoor Design
Temperature .....75 DB/61.5 WB, 47.5% rh
Outside Air Requirements—Infiltration Ventilation Air Provided by Bathroom Exhaust
Entering Water Temperature To Coil .....45 F
Water Temperature Rise Through Coil .....8 F
Sensible Cooling Load .....6.25 MBh
Total Cooling Load .....7.0 MBh
Maximum Sound Power Levels .....

Freq	125	250	500	1,000	2,000	4,000	8,000
DB	59	59	54	50	43	38	33

Unit Model .....Vertical

HEATING

Indoor Design Temperature .....70 F
Sensible Heating Load .....12.0 MBh

DETERMINE:

Unit Size
Coil Type
Fan Speed
Coil Gpm
Coil Pressure Drop of Chilled Water
Hot Water Temperature

COOLING SELECTION

Since 100 percent recirculated air is used, the coil entering air temperature is essentially 75 DB/61.5 WB. From Table 16-1, a 300 cfm unit with a Type "A" coil should meet required conditions.

Table 17-1 indicates that the entering air temperature of 75 DB/61.5 WB is not cataloged. From the cooling capacity table on pages 20 and 21, interpolate as follows at 45 F ewt and 8 F wtr for 300 cfm unit with a Type "A" coil.

	Sensible Heat	*Total Heat*
At 75 DB/50 percent rh.....	6.1 MBh	7.4 MBh
At 75 DB/45 percent rh.....	6.5 MBh	6.7 MBh
By Interpolation		
At 75 DB/47.5 percent rh.....	6.3 MBh	7.05 MBh

Therefore, a 300 cfm unit with a standard "A" coil at high speed will produce required capacity. Coil gpm is 1.9. Coil pressure drop is 5.7 feet. Referring to Table 15-1, page 15 indicates the sound level of 300 cfm vertical unit will be below the required maximum sound power level at high speed.

HEATING SELECTION

At 1.9 gpm established by the cooling selection and the required capacity of 12.0 MBh, Chart 42-1, page 42 indicates an ITD (initial temperature difference between entering hot water and return air temperature) must be 80 F at low speed. Therefore, the entering water temperature must be 80 F plus 70 F or 150 F.

SELECTION EXAMPLE NO. 2

GIVEN:

COOLING

Indoor Design Temperature .....75 DB/63 WB
Outside Air Requirements .....100 cfm through outside air wall box
Outdoor Design Temperature .....95 DB/77 WB
Entering Water Temperature To Coil .....44 F
Water Temperature Rise Through Coil .....16 F
Sensible Cooling Load With Ventilation .....6.9 MBh
Total Cooling Load with Ventilation .....10.7 MBh
Maximum Sound Power Levels .....

Freq	125	250	500	1,000	2,000	4,000	8,000
DB	58	57	52	48	41	36	30

Elevation .....6,000 Ft
Model Unit .....Horizontal

HEATING

Indoor Design Temperature .....70 F
Outdoor Design Temperature .....30 F
Sensible Heating Load With Ventilation .....13.8 MBh

DETERMINE:

Unit Size
Coil Type
Fan Speed
Coil Gpm
Pressure Drops of Heating and Cooling Coils
Hot Water Temperature

COOLING SELECTION

At 25 percent outside air and 75 percent recirculated air, a 400 cfm unit is required to meet the 100 cfm ventilation requirement.

The mixed air temperature entering the coil can be determined from a psychrometric chart as 80 DB/67 WB, 50 percent rh.

Since catalog capacity is for sea level conditions, adjust the room loads for 6,000 feet elevation before entering capacity tables. From Chart 17-2 of page 17, the sensible heat factor for 6,000 feet elevation is 0.8; the total heat factor is about 0.93.

At 80 DB/67 WB, 50 percent rh, enter cooling capacity on page 35 for horizontal units at high speed with adjusted loads of

$\frac{6.9 \text{ MBh}}{0.8}$ or 8.6 MBh.

Sensible Heat, $\frac{10.7 \text{ MBh}}{0.93}$ or 11.5 MBh Total Heat.

The Type "D" high temperature rise coil should be used since it is designed specifically for water temperature rises of 12 F and higher. The 400 cfm unit with the Type "D" coil will provide the adjusted capacity at 16 F water temperature rise. Coil gpm is 1.5; coil pressure drop is 2.8 feet. Coil Sensible Heat Ratio is 75 percent. Therefore, the Total Heat factor for 6,000 feet elevation is valid.

Table 15-1, page 15 indicates a 400 cfm horizontal UniTrane unit at high speed will produce a sound level below the required sound power level.

HEATING SELECTION

The mixed air temperature to the coil can be calculated from the psychrometric chart as 60 DB. Chart 45-1 page 45, indicates an ITD of 100 F and gpm of 1.5 can be used at high speed to satisfy the adjusted room load of

$\frac{(13.8 \text{ MBh})}{0.8}$ or 17.2 MBh adjusted for 6,000 feet elevation.

The entering water temperature would be 100 F plus 60 F or 160 F.

TABLE 19-1 UniTrane Grille Free Areas, Sq In

NOMINAL	MODELS					
	VERTICAL		HORIZONTAL		LOW VERTICAL	
CFM	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
200	65	62	102	82	56	50
300	82	87	144	115	78	73
400	94	99	164	132	100	95
600	129	138	226	182	133	129
800	187	226	306	285	—	—
1,000	235	283	396	356	—	—
1,200	283	339	488	428	—	—

NOTE: ARI capacities are obtained with grille free areas shown above.

TABLE 19-2 ARI Approved Standard Ratings

VERTICAL UNITRANE — HIGH SPEED													
			COOLING[1] CAPACITIES						COOLING[1] CAPACITIES			MOTOR POWER[2] INPUT	
COIL AND SIZE	RATED CFM[4]	GPM	PD[5]	SENS. HEAT MBH	TOTAL HEAT MBH	COIL AND SIZE	RATED CFM	GPM	PD	SENS. HEAT MBH	TOTAL HEAT MBH	SHADED POLE WATTS	PSC WATTS
A002	230	1.2	1.7	4.3	5.3	D002	210	1.6	6.3	5.4	7.8	95	55/85
A003	320	1.9	5.8	6.6	8.1	D003	300	2.5	18.5	8.0	12.0	135	60/85
A004	410	2.3	4.9	8.5	11.4	D004	390	3.1	16.4	10.1	15.1	110	55/75
A006	570	3.4	13.3	11.9	16.4	D006	540	4.6	46.0	14.9	22.4	135	80/90
A008	840	4.9	12.5	17.3	24.2	D008	840	5.9	9.7	20.4	29.2	—	130
A010	1,000	5.8	8.3	20.3	28.4	D010	990	6.9	8.9	23.6	33.9	—	165
A012	1,200	7.2	10.3	25.4	35.4	D012	1,200	8.5	12.5	28.9	41.7	—	165
HORIZONTAL UNITRANE — HIGH SPEED													
A002	200	1.3	1.1	3.8	4.7	D002	200	1.5	3.6	5.2	7.4	95	55/85
A003	300	1.9	4.1	6.3	8.8	D003	270	2.0	7.6	6.8	10.0	135	60/85
A004	420	2.5	4.8	9.0	12.4	D004	380	2.7	8.6	8.2	12.4	110	55/75
A006	560	3.4	13.8	11.5	16.5	D006	500	3.7	19.7	12.4	18.2	135	80/90
A008	880	4.7	14.6	16.9	23.1	D008	850	5.8	5.2	20.3	28.4	—	130
A010	1,040	5.7	8.2	20.2	27.8	D010	990	6.8	8.9	23.7	33.3	—	165
A012	1,200	6.6	6.5	23.5	32.2	D012	1,130	7.9	9.2	27.6	38.8	—	165
LOW VERTICAL UNITRANE — HIGH SPEED													
A002	200	1.1	2.4	3.6	5.3							95	55/85
A003	290	1.9	9.0	6.0	8.7							135	60/85
A004	360	2.2	6.6	7.5	11.0							110	55/75
A006	550	3.2	10.5	11.1	15.7							135	80/90

NOTES

1. Based on 80 DB and 67 WB EAT 45 F EWT 10 F temperature rise, high fan speed, grille free areas shown in Table 19-1.
2. Motor voltage 115/60/1 power source. See Table 47-1 for other motor data.
3. Filter type one-half-inch permanent cleanable. See Table 60-3 for other filter dimensions.
4. Airflow under dry coil conditions.
5. Water pressure drops shown in feet of water.

[redacted]

COOLING CAPACITIES

ENTERING AIR 72.0 DB/59.0 WB, 45 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
6	200	5.4	4.8	1.9	4.2	6.8	5.5	2.4	10.7	4.3	4.3	1.5	2.9	5.4	4.9	1.9	7.2
	300	8.3	7.0	2.9	12.7	10.2	8.1	3.5	35.3	6.6	6.3	2.4	8.7	8.1	7.2	2.9	24.0
	[redacted]																
	800	21.3	17.8	7.2	[illegible]	[illegible]	20.9	8.6	19.1	17.1	16.0	5.8	17.0	20.3	18.6	6.9	12.8
	1000	25.1	21.0	8.5	16.5	29.8	24.4	10.1	17.0	20.2	18.9	6.9	11.4	23.9	21.8	8.1	11.8
	1200	31.3	26.2	10.6	20.3	36.5	29.8	12.4	24.3	24.8	23.3	8.5	13.7	29.3	26.6	10.0	16.7
8	200	5.0	4.6	1.3	2.2	6.4	5.3	1.7	5.6	3.9	3.9	1.0	1.4	5.1	4.8	1.3	3.7
	300	7.7	6.8	2.0	6.6	9.7	7.9	2.5	19.1	6.1	6.1	1.6	4.4	7.7	7.0	2.0	12.9
	[redacted]																
	800	19.9	17.2	[illegible]	13.2	[illegible]	20.2	6.1	10.2	16.1	15.6	4.1	9.0	19.1	18.0	4.9	6.8
	1000	23.4	20.3	6.0	8.8	27.9	23.5	7.1	9.4	19.1	18.5	4.9	6.1	22.4	21.2	5.7	6.6
	1200	29.0	25.2	7.4	10.8	34.2	28.8	8.7	13.1	23.2	22.6	6.0	7.4	27.5	25.9	7.0	9.0
10	200	4.5	4.4	1.0	1.2	6.0	5.1	1.3	3.3	3.5	3.5	0.8	0.8	4.8	4.6	1.0	2.2
	300	7.1	6.5	1.5	3.8	9.1	7.6	1.9	11.5	5.5	5.5	1.2	2.5	7.3	6.8	1.5	7.8
	[redacted]																
	800	18.6	16.6	[illegible]	[illegible]	22.4	19.5	4.3	6.1	15.1	15.1	3.1	5.3	17.9	17.5	3.7	4.1
	1000	22.1	19.7	4.5	5.3	[illegible]	22.8	5.3	5.8	17.9	17.9	3.7	3.7	21.0	20.6	4.3	4.1
	1200	27.0	24.2	5.5	6.5	32.0	27.8	6.5	7.9	21.6	21.6	4.4	4.4	25.7	25.2	5.3	5.4
12	200	4.0	4.0	0.7	0.7	5.6	5.0	1.0	2.1	3.2	3.2	0.6	0.5	4.5	4.5	0.8	1.4
	300	6.5	6.3	1.2	2.3	8.6	7.4	1.5	7.5	5.0	5.0	0.9	1.5	6.9	6.7	1.2	5.1
	[redacted]																
	800	17.4	16.1	3.0	[illegible]	20.9	18.9	3.5	3.9	14.1	14.1	2.4	3.3	16.8	16.8	2.9	2.6
	1000	20.6	19.1	3.5	3.4	24.3	22.0	4.1	3.8	16.7	16.7	2.9	2.4	19.6	19.6	3.3	2.7
	1200	25.0	23.4	4.3	4.1	29.9	27.0	5.1	5.1	20.1	20.1	3.5	2.9	24.1	24.1	4.1	3.5
16	200					4.9	4.7	0.6	0.9					3.9	3.9	0.5	0.6
	300	5.3	5.3	0.7	1.0	7.6	7.0	1.0	3.6	4.0	4.0	0.6	0.6	6.1	6.1	0.8	2.4
	[redacted]																
	800	15.1	15.1	1.9	2.2	18.3	17.7	2.3	1.8	12.0	12.0	1.5	1.5	14.6	14.6	1.9	1.2
	1000	18.0	18.0	2.3	1.6	21.2	20.7	2.7	1.9	14.4	14.4	1.9	1.1	16.9	16.9	2.2	1.3
	1200	21.5	21.5	2.8	1.9	26.0	25.4	3.3	2.4	17.0	17.0	2.2	1.3	20.7	20.7	2.7	1.7
20	200																
	300					6.7	6.6	0.7	1.9					5.2	5.2	0.6	1.2
	[redacted]																
	800	12.8	12.8	[illegible]	[illegible]	15.7	15.7	1.6	0.9	9.7	9.7	1.0	0.7	12.1	12.1	1.2	0.6
	1000	15.3	15.3	1.6	0.8	18.0	18.0	1.8	1.0	11.7	11.7	1.2	0.5	13.8	13.8	1.4	0.6
	1200	18.1	18.1	1.9	1.0	22.1	22.1	2.3	1.2	13.7	13.7	1.4	0.6				

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
6	200	4.1	4.1	1.5	2.6	5.1	4.8	1.8	6.5	3.1	3.1	1.1	1.6	3.9	3.9	1.4	4.1
	300	6.2	6.1	2.2	7.8	7.7	7.0	2.7	21.6	4.7	4.7	1.7	4.8	5.8	5.8	2.1	13.5
	[redacted]																
	800	16.2	15.6	5.5	15.4	19.2	18.1	6.5	11.6	12.6	12.6	[illegible]	[illegible]	14.7	14.7	[illegible]	[illegible]
	1000	19.2	18.5	6.5	10.3	22.6	21.3	7.7	10.8	14.9	14.9	5.1	6.7	17.4	17.4	6.0	7.1
	1200	23.4	22.7	8.0	12.4	27.7	26.0	9.4	15.1	18.0	18.0	6.2	7.9	21.4	21.4	7.3	9.7
8	200	3.7	3.7	1.0	1.3	4.8	4.6	1.3	3.4	2.7	2.7	0.8	0.8	3.7	3.7	1.0	2.1
	300	5.7	5.7	1.5	3.9	7.3	6.8	1.9	11.6	4.2	4.2	1.2	2.4	5.5	5.5	1.5	7.3
	[redacted]																
	800	15.3	15.3	3.9	8.2	18.0	17.6	4.6	6.2	11.7	11.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	18.1	18.1	4.6	5.6	21.2	20.7	5.4	6.0	13.9	13.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1200	22.0	22.0	5.6	6.7	26.0	25.3	6.6	8.2	16.7	16.7	4.3	4.2	20.0	20.0	5.1	5.2
10	200	3.3	3.3	0.7	0.7	4.5	4.5	1.0	2.0	2.4	2.4	0.5	0.4	3.4	3.4	0.7	1.2
	300	5.1	5.1	1.1	2.2	6.9	6.7	1.5	7.0	3.8	3.8	0.8	1.3	5.2	5.2	1.1	4.4
	[redacted]																
	800	14.3	14.3	2.9	4.8	16.9	16.9	3.5	3.7	10.8	10.8	2.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	17.0	17.0	3.5	3.4	19.9	19.9	4.1	3.7	12.8	12.8	[illegible]	[illegible]	15.1	15.1	[illegible]	[illegible]
	1200	20.5	20.5	4.2	4.0	24.4	24.4	5.0	5.0	15.3	15.3	3.2	2.5	18.5	18.5	[illegible]	[illegible]
12	200	3.0	3.0	0.5	0.4	4.2	4.2	0.8	1.3					3.1	3.1	0.6	0.8
	300	4.7	4.7	0.9	1.3	6.5	6.5	1.2	4.6	3.3	3.3	0.6	0.8	4.9	4.9	0.9	2.8
	[redacted]																
	800	13.3	13.3	2.3	3.0	15.9	15.9	2.7	2.4	9.8	9.8	1.7	[illegible]	[illegible]	[illegible]	2.0	[illegible]
	1000	15.8	15.8	2.7	2.2	18.6	18.6	3.2	2.5	11.7	11.7	2.0	[illegible]	13.7	13.7	2.4	1.5
	1200	18.9	18.9	3.3	2.6	22.8	22.8	3.9	3.2	13.9	13.9	2.4	1.5	16.8	16.8	2.9	1.9
16	200																
	300	3.8	3.8	0.5	0.5	5.7	5.7	0.8	2.2					4.0	4.0	0.6	1.2
	[redacted]																
	800	11.3	11.3	1.5	1.3	13.7	13.7	1.8	1.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	13.5	13.5	1.7	1.0	15.9	15.9	2.0	1.2	9.1	9.1	1.2	0.5	10.7	10.7	1.4	0.6
	1200	16.0	16.0	2.1	1.2	19.5	19.5	2.5	1.5	10.6	10.6	1.4	0.6				
20	200																
	300					4.8	4.8	0.5	1.1								
	[redacted]																
	800					11.1	11.1	1.2	0.5								
	1000	10.8	10.8	1.1	0.5	12.7	12.7	1.3	0.6								
	1200	12.6	12.6	1.3	0.5												

ENTERING AIR 72.0 DB/60.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
6	200	5.7	4.6	2.0	4.5	7.2	5.4	2.5	12.0	4.6	4.1	1.6	3.1	5.8	4.8	2.0	8.0
	300	8.7	6.8	3.0	13.8	10.8	8.0	3.8	39.2	7.0	6.1	2.5	9.4	8.7	7.0	3.0	26.7
	[redacted]																
	800	22.6	17.5	7.7	28.2	27.2	20.7	9.2	21.3	18.0	15.4	6.1	18.6	21.5	18.1	7.3	14.2
	1000	26.6	20.6	9.0	18.3	31.6	23.9	10.7	18.7	21.2	18.2	7.2	12.3	25.2	21.1	8.6	12.9
	1200	33.4	25.9	11.3	22.8	38.8	29.3	13.1	26.9	26.2	22.6	8.9	15.0	30.9	25.8	10.5	18.3
8	200	5.2	4.4	1.4	2.3	6.8	5.2	1.8	6.2	4.1	3.9	1.1	1.5	5.3	4.6	1.4	4.1
	300	8.0	6.5	2.1	7.1	10.3	7.7	2.7	21.2	6.4	5.8	1.7	4.8	8.1	6.8	2.2	14.2
	[redacted]																
	800	21.0	16.8	5.4	14.6	25.3	19.8	6.4	11.3	16.7	14.9	4.3	9.6	20.0	17.4	5.1	7.4
	1000	24.8	19.8	6.3	9.7	29.5	23.0	7.5	10.3	19.7	17.7	5.0	6.5	23.3	20.4	6.0	7.0
	1200	30.7	24.6	7.8	11.9	36.2	28.2	9.2	14.5	24.2	21.7	6.2	7.9	28.7	24.9	7.3	9.7
10	200	4.7	4.2	1.0	1.3	6.3	5.0	1.3	3.6	3.6	3.6	0.8	0.8	5.0	4.4	1.0	2.4
	300	7.4	6.3	1.6	4.1	9.7	7.5	2.0	12.7	5.8	5.6	1.3	2.7	7.6	6.6	1.6	8.4
	[redacted]																
	800	19.5	16.1	4.0	8.5	23.6	19.0	4.8	6.7	15.5	14.4	3.2	5.5	18.5	16.8	3.8	4.4
	1000	23.1	19.1	4.7	5.8	27.4	22.1	5.6	6.3	18.3	17.1	3.8	3.9	21.6	19.7	4.4	4.3
	1200	28.4	23.6	5.8	7.1	33.7	27.1	6.9	8.6	22.2	20.9	4.6	4.7	26.6	24.1	5.4	5.8
12	200	4.2	4.0	0.7	0.8	5.9	4.8	1.0	2.2	3.2	3.2	0.6	0.5	4.6	4.3	0.8	1.5
	300	6.8	6.0	1.2	2.5	9.1	7.2	1.6	8.2	5.2	5.2	0.9	1.6	7.1	6.4	1.3	5.4
	[redacted]																
	800	18.1	15.5	3.1	5.3	21.9	18.3	3.7	4.2	14.3	14.0	2.4	3.5	17.2	16.3	2.9	2.8
	1000	21.4	18.4	3.6	3.7	25.4	21.3	4.3	4.1	17.0	16.6	2.9	2.4	20.1	19.1	3.4	2.8
	1200	26.1	22.6	4.5	4.5	31.2	26.0	5.3	5.5	20.5	20.2	3.5	2.9	24.7	23.3	4.2	3.7
16	200					5.0	4.5	0.7	1.0					3.9	3.9	0.5	0.6
	300	5.6	5.5	0.8	1.1	7.9	6.7	1.1	3.8	4.0	4.0	0.6	0.6	6.2	6.0	0.8	2.5
	[redacted]																
	800	15.4	14.4	2.0	2.3	18.9	17.0	2.4	1.9	12.1	12.1	1.6	1.5	14.7	14.7	1.9	1.3
	1000	18.4	17.2	2.4	1.7	21.8	19.8	2.8	2.0	14.4	14.4	1.9	1.1	17.0	17.0	2.2	1.3
	1200	22.0	20.8	2.8	2.0	26.7	24.2	3.4	2.6	17.1	17.1	2.2	1.3	20.8	20.8	2.7	1.7
20	200																
	300					6.9	6.3	0.7	2.0					5.2	5.2	0.6	1.2
	[redacted]																
	800	12.9	12.9	[illegible]	[illegible]	15.9	15.8	1.6	1.0	9.7	9.7	1.0	0.7	12.1	12.1	1.2	0.6
	1000	15.5	15.5	1.6	0.8	18.2	18.2	1.9	1.0	11.7	11.7	1.2	0.5	13.8	13.8	1.4	0.7
	1200	18.3	18.3	1.9	1.0	22.4	22.4	2.3	1.3	13.7	13.7	1.4	0.6				

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
6	200	4.3	4.0	1.5	2.8	5.4	4.6	1.9	7.1	3.1	3.1	1.1	1.6	3.9	3.9	1.4	4.1
	300	6.5	5.9	2.3	8.5	8.1	6.8	2.9	24.0	4.7	4.7	1.7	4.8	5.9	5.9	2.1	13.7
	[redacted]																
	800	16.9	15.0	5.7	16.6	20.2	17.5	6.9	12.7	12.6	12.6	[illegible]	[illegible]	14.7	14.7	[illegible]	[illegible]
	1000	19.9	17.7	6.8	11.1	23.7	20.5	8.0	11.6	14.9	14.9	5.1	6.7	17.4	17.4	6.0	7.1
	1200	24.6	21.9	8.4	13.5	29.1	25.0	9.9	16.4	18.0	18.0	6.2	7.9	21.4	21.4	7.3	9.7
8	200	3.8	3.8	1.0	1.4	5.0	4.5	1.3	3.6	2.7	2.7	0.8	0.8	3.7	3.7	1.0	2.1
	300	6.0	5.7	1.6	4.3	7.6	6.6	2.0	12.7	4.2	4.2	1.2	2.4	5.6	5.6	1.5	7.4
	[redacted]																
	800	15.7	14.5	4.0	8.6	18.7	16.9	4.8	6.6	11.7	11.7	3.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	18.6	17.2	4.8	5.9	21.9	19.8	5.6	6.4	13.9	13.9	3.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1200	22.7	21.1	5.8	7.1	26.9	24.2	6.9	8.7	16.7	16.7	4.3	4.2	20.0	20.0	[illegible]	[illegible]
10	200	3.3	3.3	0.7	0.7	4.7	4.3	1.0	2.1	2.4	2.4	0.5	0.4	3.4	3.4	0.7	1.2
	300	5.4	5.4	1.2	2.4	7.2	6.4	1.5	7.5	3.8	3.8	0.8	1.3	5.2	5.2	1.1	4.4
	[redacted]																
	800	14.6	14.1	3.0	5.0	17.4	16.4	3.6	3.9	10.8	10.8	2.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	17.2	16.7	3.5	3.5	20.3	19.2	4.2	3.9	12.8	12.8	2.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1200	20.9	20.3	4.3	4.2	25.0	23.5	5.1	5.2	15.3	15.3	3.2	2.5	18.5	18.5	[illegible]	[illegible]
12	200	3.0	3.0	0.5	0.4	4.3	4.2	0.8	1.3					3.1	3.1	0.6	0.8
	300	4.8	4.8	0.9	1.4	6.7	6.2	1.2	4.8	3.3	3.3	0.6	0.8	4.9	4.9	0.9	2.8
	[redacted]																
	800	13.5	13.5	2.3	3.1	16.2	15.9	2.8	2.5	9.8	9.8	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	16.0	16.0	2.7	2.2	18.9	18.6	3.2	2.5	11.7	11.7	2.0	1.3	13.7	13.7	[illegible]	[illegible]
	1200	19.3	19.3	3.3	2.7	23.2	22.8	4.0	3.3	13.9	13.9	2.4	1.5	16.8	16.8	2.9	1.9
16	200																
	300	3.8	3.8	0.5	0.5	5.8	5.8	0.8	2.2					4.0	4.0	0.6	1.2
	[redacted]																
	800	11.3	11.3	1.5	1.3	13.8	13.8	1.8	1.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1000	13.5	13.5	1.8	1.0	15.9	15.9	2.1	1.2	9.1	9.1	1.2	0.5	10.7	10.7	[illegible]	[illegible]
	1200	16.0	16.0	2.1	1.2	19.5	19.5	2.5	1.5	10.6	10.6	1.4	0.6				
20	200																
	300					4.9	4.9	0.5	1.1								
	[redacted]																
	800					11.2	11.2	1.2	0.5								
	1000	10.8	10.8	1.1	0.5	12.7	12.7	1.3	0.6								
	1200	12.6	12.6	1.3	0.5												

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 72.0 DB/61.5 WB, 55 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.1	4.4	2.1	5.2	8.0	5.4	2.7	14.2	4.9	3.9	1.7	3.6	6.4	4.6	2.2	9.6
	300	9.4	6.6	3.3	15.8	11.9	7.9	4.1	46.5	7.5	5.8	2.7	10.8	9.6	6.9	3.4	32.1
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								29.3	22.0	10.0	18.2	34.3	25.0	11.6	21.8
8	200	5.6	4.2	1.5	2.6	7.4	5.1	1.9	7.4	4.4	3.7	1.2	1.7	5.9	4.4	1.5	4.8
	300	8.6	6.3	2.3	8.0	11.3	7.6	2.9	24.9	6.9	5.5	1.8	5.5	9.0	6.6	2.4	16.9
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								26.6	20.9	6.8	9.3	31.5	23.9	8.0	11.4
10	200	5.0	4.0	1.1	1.5	6.9	4.9	1.4	4.3	3.9	3.5	0.8	1.0	5.4	4.2	1.1	2.7
	300	8.0	6.0	1.7	4.6	10.6	7.3	2.2	15.0	6.3	5.3	1.3	3.1	8.4	6.3	1.8	9.9
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								24.0	19.8	4.9	6.3	28.7	22.8	5.9	6.6
12	200	4.5	3.7	0.8	0.9	6.4	4.7	1.1	2.6	3.4	3.3	0.6	0.5	4.9	4.0	0.9	1.6
	300	7.3	5.7	1.3	2.8	10.0	7.0	1.7	9.6	5.6	5.0	1.0	1.8	7.7	6.1	1.4	6.2
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								21.8	18.9	3.7	3.3	26.3	21.8	4.5	4.1
16	200					5.4	4.2	0.7	1.1					4.1	3.7	0.5	0.7
	300	6.0	5.2	0.8	1.2	8.6	6.4	1.1	4.4	4.3	4.3	0.6	0.7	6.6	5.6	0.9	2.7
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								17.6	17.2	2.3	1.4	21.5	20.0	2.8	1.8
20	200																
	300	4.6	4.6	0.5	0.5	7.2	5.9	0.8	2.2					5.4	5.1	0.6	1.3
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								13.8	13.8	1.4	0.6				

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	4.6	3.8	1.6	3.2	6.0	4.5	2.1	8.6	3.2	3.2	1.2	1.7	4.1	3.7	1.5	4.4
	300	7.1	5.6	2.5	9.7	9.1	6.6	3.2	28.9	4.9	4.7	1.8	5.2	6.3	5.5	2.2	15.3
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												32.2	24.1	10.9	19.5
8	200	4.1	3.6	1.1	1.6	5.5	4.3	1.4	4.3	2.7	2.7	0.8	0.8	3.8	3.6	1.0	2.2
	300	6.5	5.3	1.7	4.9	8.4	6.4	2.2	15.1	4.4	4.4	1.2	2.5	5.8	5.3	1.6	7.9
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												29.4	23.0	7.5	10.1
10	200	3.6	3.4	0.8	0.8	5.0	4.1	1.1	2.4	2.4	2.4	0.5	0.4	3.5	3.5	0.8	1.3
	300	5.8	5.1	1.3	2.7	7.8	6.1	1.7	8.8	3.8	3.8	0.8	1.3	5.4	5.1	1.2	4.6
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												26.8	22.0	5.5	5.9
12	200	3.1	3.1	0.6	0.5	4.6	3.9	0.8	1.5					3.2	3.2	0.6	0.8
	300	5.2	4.9	0.9	1.6	7.2	5.9	1.3	5.5	3.3	3.3	0.6	0.8	4.9	4.9	0.9	2.9
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												24.5	21.1	4.2	3.6
16	200					3.8	3.6	0.5	0.6								
	300	3.9	3.9	0.5	0.6	6.1	5.4	0.8	2.4					4.1	4.1	0.6	1.2
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												20.0	19.4	2.6	1.8
20	200																
	300					5.0	5.0	0.5	1.1								
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]															

ENTERING AIR 75.0 DB/61.0 WB, 45 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.2	5.2	2.2	5.3	7.8	6.0	2.7	13.6	5.1	4.7	1.8	3.7	6.3	5.4	2.2	9.4
	300	9.4	7.6	3.3	15.9	11.5	8.8	4.0	44.1	7.7	6.9	2.7	11.3	9.5	7.9	3.3	31.1
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								28.9	25.5	9.8	17.7	34.0	29.1	11.5	21.4
8	200	5.7	5.0	1.5	2.7	7.3	5.8	1.9	7.1	4.6	4.5	1.2	1.9	5.9	5.2	1.6	4.9
	300	8.8	7.4	2.3	8.3	11.0	8.6	2.9	24.0	7.1	6.7	1.9	5.8	9.0	7.7	2.4	16.7
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								26.9	24.7	6.9	9.5	31.8	28.2	8.1	11.6
10	200	5.2	4.8	1.1	1.6	6.9	5.6	1.4	4.2	4.2	4.2	0.9	1.1	5.6	5.1	1.2	2.9
	300	8.2	7.1	1.7	4.9	10.5	8.4	2.2	14.6	6.6	6.4	1.4	3.3	8.5	7.5	1.8	10.1
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								25.1	23.9	5.1	5.7	29.8	27.5	6.1	7.0
12	200	4.7	4.6	0.8	1.0	6.4	5.4	1.1	2.7	3.7	3.7	0.7	0.6	5.2	4.9	0.9	1.8
	300	7.6	6.9	1.3	3.1	9.9	8.1	1.7	9.5	6.0	6.0	1.1	2.0	8.0	7.3	1.4	6.6
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								23.4	23.2	4.0	3.7	28.0	26.7	4.8	4.6
16	200	3.8	3.8	0.5	0.4	5.7	5.1	0.7	1.2					4.6	4.6	0.6	0.9
	300	6.4	6.4	0.9	1.3	8.9	7.6	1.2	4.6	4.9	4.9	0.7	0.8	7.2	6.9	1.0	3.2
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								20.2	20.2	2.6	1.7	24.5	24.5	3.1	2.2
20	200					4.9	4.8	0.5	0.6								
	300	5.2	5.2	0.6	0.6	7.9	7.2	0.8	2.5					6.3	6.3	0.7	1.7
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]								17.0	17.0	1.8	0.9	20.8	20.8	2.1	1.1

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	4.8	4.6	1.7	3.4	6.0	5.2	2.1	8.5	3.7	3.7	1.3	2.2	4.5	4.5	1.6	5.2
	300	7.3	6.7	2.6	10.2	8.9	7.7	3.1	28.2	5.5	5.5	2.0	6.3	6.7	6.7	2.4	17.3
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												32.1	28.1	10.9	19.5
8	200	4.4	4.4	1.2	1.7	5.6	5.1	1.5	4.4	3.3	3.3	0.9	1.1	4.3	4.3	1.1	2.8
	300	6.7	6.5	1.8	5.2	8.5	7.5	2.2	15.2	5.0	5.0	1.4	3.2	6.4	6.4	1.7	9.5
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												30.1	27.6	7.7	10.5
10	200	3.9	3.9	0.8	1.0	5.3	4.9	1.1	2.6	3.0	3.0	0.6	0.6	4.1	4.1	0.9	1.7
	300	6.2	6.2	1.3	3.0	8.0	7.3	1.7	9.2	4.6	4.6	1.0	1.8	6.1	6.1	1.3	5.8
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												28.3	26.9	5.8	6.4
12	200	3.5	3.5	0.6	0.6	4.9	4.8	0.9	1.7					3.8	3.8	0.7	1.0
	300	5.6	5.6	1.0	1.8	7.6	7.1	1.3	6.0	4.1	4.1	0.8	1.1	5.8	5.8	1.0	3.8
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												26.5	26.2	4.5	4.2
16	200					4.3	4.3	0.6	0.8								
	300	4.6	4.6	0.6	0.8	6.8	6.8	0.9	2.9					5.1	5.1	0.7	1.8
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												29.2	29.2	3.0	2.0
20	200																
	300					5.9	5.9	0.6	1.5								
	400	[illegible]															
	800	[illegible]															
	1000	[illegible]															
	1200	[illegible]												19.5	19.5	2.0	1.0

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 75.0 DB/63.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.8	4.9	2.4	6.2	8.7	5.9	3.0	16.8	5.6	4.4	2.0	4.4	7.2	5.2	2.5	11.8
	300	10.4	7.3	3.6	18.8					8.5	6.5	3.0	13.4	10.8	7.6	3.7	38.9
	800	27.6	19.0	9.3	40.5	33.0	22.5	11.1	30.0	22.4	16.7	7.6	27.7	26.9	19.7	9.1	21.0
	1000	32.4	22.4	11.0	25.9	38.3	26.1	12.9	25.7	26.3	19.6	8.9	18.0	31.3	22.9	10.6	18.4
	1200	40.8	28.2	13.8	32.1					33.0	24.7	11.2	22.3	38.5	28.0	13.0	26.6
8	200	6.2	4.7	1.6	3.2	8.2	5.7	2.1	8.8	5.1	4.2	1.3	2.2	6.7	5.0	1.7	6.1
	300	9.6	7.0	2.5	9.7	12.4	8.4	3.2	29.5	7.9	6.2	2.1	6.9	10.2	7.4	2.7	20.8
	800	25.7	18.2	6.5	21.0	30.9	21.5	7.8	16.0	20.7	16.0	5.3	14.2	24.9	18.9	6.3	11.0
	1000	30.2	21.3	7.7	13.7	35.8	24.9	9.1	14.2	24.4	18.9	6.2	9.4	29.0	21.9	7.4	10.1
	1200	37.9	26.9	9.6	17.1	44.0	30.5	11.2	20.3	30.3	23.5	7.7	11.7	35.7	26.8	9.1	14.1
10	200	5.7	4.4	1.2	1.8	7.7	5.4	1.6	5.2	4.5	4.0	1.0	1.2	6.2	4.8	1.3	3.5
	300	8.9	6.7	1.9	5.7	11.8	8.1	2.4	17.9	7.2	6.0	1.5	3.9	9.5	7.1	2.0	12.4
	800	23.9	17.4	4.9	12.2	28.9	20.6	5.8	9.5	19.1	15.4	3.9	8.1	23.1	18.1	4.7	6.4
	1000	28.1	20.5	5.7	8.1	33.5	23.8	6.8	8.8	22.5	18.1	4.6	5.5	26.8	21.0	5.5	6.1
	1200	35.1	25.6	7.1	10.1	41.2	29.2	8.3	12.2	27.7	22.5	5.7	6.8	33.0	25.8	6.7	8.3
12	200	5.2	4.2	0.9	1.1	7.2	5.2	1.2	3.2	4.1	3.8	0.7	0.7	5.7	4.6	1.0	2.1
	300	8.3	6.4	1.5	3.5	11.1	7.8	1.9	11.6	6.6	5.7	1.2	2.4	8.9	6.9	1.6	7.9
	800	22.2	16.6	3.8	7.6	26.9	19.7	4.5	6.1	17.6	14.8	3.0	5.0	21.3	17.4	3.6	4.0
	1000	26.1	19.6	4.4	5.2	31.1	22.8	5.3	5.7	20.7	17.5	3.5	3.5	24.7	20.2	4.2	3.9
	1200	32.3	24.4	5.5	6.4	38.3	28.0	6.5	7.8	25.3	21.5	4.3	4.2	30.3	24.7	5.2	5.2
16	200	4.2	3.8	0.6	0.5	6.2	4.8	0.8	1.4					4.8	4.2	0.6	0.9
	300	7.0	5.9	0.9	1.5	9.8	7.2	1.3	5.5	5.3	5.2	0.7	1.0	7.7	6.4	1.0	3.6
	800	18.8	15.3	2.4	3.3	23.1	18.1	2.9	2.8	14.8	13.7	1.9	2.2	18.1	16.1	2.3	1.8
	1000	22.3	18.1	2.9	2.4	26.6	21.0	3.4	2.7	17.6	16.3	2.3	1.6	20.8	18.8	2.7	1.8
	1200	27.1	22.2	3.5	2.9	32.7	25.7	4.2	3.6	21.1	19.8	2.7	1.9	25.6	22.9	3.3	2.4
20	200					5.2	4.4	0.6	0.7								
	300	5.7	5.4	0.6	0.7	8.4	6.7	0.9	2.8					6.5	5.9	0.7	1.8
	800	15.8	14.1	1.6	1.6	19.6	16.7	2.0	1.4	12.2	12.2	1.3	1.0	15.1	15.1	1.5	0.9
	1000	18.9	16.8	1.9	1.2	22.4	19.4	2.3	1.4	14.6	14.6	1.5	0.8	17.2	17.2	1.8	0.9
	1200	22.6	20.4	2.3	1.4	27.5	23.7	2.8	1.8	17.3	17.3	1.8	0.9	21.2	21.2	2.2	1.2

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.3	4.3	1.9	4.0	6.8	5.0	2.4	10.7	3.8	3.7	1.4	2.3	4.9	4.2	1.7	5.9
	300	8.1	6.3	2.8	12.1	10.2	7.4	3.5	35.4	5.9	5.4	2.1	7.0	7.4	6.2	2.6	20.1
	800	21.1	16.2	7.2	24.9	25.4	19.1	8.6	18.9	15.3	13.9	5.2	13.9	18.2	16.1	6.2	10.5
	1000	24.8	19.0	8.4	16.2	29.6	22.1	10.0	16.8	18.0	16.4	6.1	9.3	21.3	18.9	7.3	9.8
	1200	31.0	23.8	10.5	20.1	36.4	27.1	12.3	24.1	22.1	20.2	7.6	11.3	26.2	23.1	8.9	13.7
8	200	4.8	4.1	1.3	2.0	6.3	4.8	1.6	5.4	3.4	3.4	0.9	1.1	4.5	4.1	1.2	3.0
	300	7.4	6.1	2.0	6.2	9.6	7.1	2.5	18.8	5.3	5.2	1.4	3.5	6.9	6.1	1.8	10.6
	800	19.5	15.5	5.0	12.7	23.5	18.3	6.0	9.8	14.1	13.4	3.6	7.1	16.8	15.6	4.3	5.5
	1000	23.0	18.3	5.9	8.5	27.4	21.2	7.0	9.1	16.7	16.0	4.3	4.9	19.7	18.3	5.0	5.3
	1200	28.4	22.8	7.3	10.5	33.6	26.0	8.6	12.7	20.3	19.5	5.2	5.9	24.2	22.4	6.2	7.2
10	200	4.3	3.9	0.9	1.1	5.8	4.6	1.2	3.1	3.0	3.0	0.6	0.6	4.2	4.0	0.9	1.7
	300	6.8	5.8	1.5	3.5	9.0	6.9	1.9	11.1	4.7	4.7	1.0	1.9	6.4	5.9	1.4	6.2
	800	17.9	14.9	3.7	7.2	21.6	17.5	4.4	5.7	13.0	13.0	2.7	4.1	15.6	15.1	3.2	3.2
	1000	21.2	17.6	4.3	5.0	25.2	20.4	5.1	5.5	15.4	15.4	3.2	2.9	18.2	17.8	3.7	3.2
	1200	26.0	21.8	5.3	6.1	31.0	25.0	6.3	7.5	18.6	18.6	3.8	3.4	22.3	21.7	4.6	4.3
12	200	3.8	3.7	0.7	0.7	5.3	4.4	0.9	1.9					3.9	3.9	0.7	1.1
	300	6.2	5.6	1.1	2.1	8.4	6.6	1.5	7.1	4.1	4.1	0.8	1.1	6.0	5.7	1.1	4.0
	800	16.5	14.3	2.8	4.5	20.0	16.9	3.4	3.6	12.0	12.0	2.1	2.5	14.4	14.4	2.5	2.0
	1000	19.5	17.0	3.3	3.1	23.3	19.7	4.0	3.6	14.3	14.3	2.5	1.8	16.8	16.8	2.9	2.1
	1200	23.7	20.8	4.1	3.8	28.6	24.0	4.9	4.7	17.1	17.1	2.9	2.2	20.6	20.6	3.5	2.7
16	200					4.5	4.1	0.6	0.8								
	300	4.9	4.9	0.7	0.8	7.2	6.2	1.0	3.2					5.1	5.1	0.7	1.8
	800	13.9	13.4	1.8	1.9	16.9	15.7	2.2	1.6	9.8	9.8	1.3	1.0	12.0	12.0	1.5	0.9
	1000	16.5	15.9	2.1	1.4	19.5	18.3	2.5	1.7	11.8	11.8	1.5	0.8	13.9	13.9	1.8	1.0
	1200	19.7	19.3	2.5	1.7	24.0	22.3	3.1	2.1	13.9	13.9	1.8	0.9	17.0	17.0	2.2	1.2
20	200																
	300					6.1	5.8	0.7	1.6								
	800	11.4	11.4	1.2	0.9	14.1	14.1	1.4	0.8								
	1000	13.7	13.7	1.4	0.7	16.1	16.1	1.7	0.8					10.4	10.4	1.1	0.4
	1200	16.1	16.1	1.7	0.8	19.7	19.7	2.0	1.0	10.3	10.3	1.1	0.4				

ENTERING AIR 75.0 DB/64.0 WB, 55 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.2	4.8	2.5	6.9	9.3	5.9	3.2	18.8	5.9	4.3	2.1	4.8	7.7	5.1	2.7	13.4
	300	11.1	7.2	3.8	21.2					9.0	6.3	3.1	14.7	11.5	7.6	4.0	44.0
	800	29.4	18.9	9.9	45.4	35.0	22.5	11.8	33.4	24.1	16.5	8.2	31.7	28.9	19.5	9.8	23.8
	1000	34.5	22.2	11.7	28.9	40.7	25.9	13.7	28.4	28.3	19.4	9.6	20.4	33.6	22.7	11.4	20.7
	1200									35.6	24.5	12.1	25.4	41.3	27.7	14.0	30.0
8	200	6.6	4.6	1.7	3.5	8.8	5.6	2.3	9.9	5.3	4.0	1.4	2.4	7.1	4.9	1.9	6.8
	300	10.1	6.8	2.6	10.6	13.2	8.4	3.4	33.0	8.3	6.0	2.2	7.5	10.9	7.3	2.8	23.4
	800	27.5	18.0	7.0	23.7	33.0	21.7	8.3	17.9	22.3	15.7	5.7	16.1	26.8	18.6	6.8	12.4
	1000	32.3	21.2	8.2	15.4	38.3	24.8	9.7	15.9	26.0	18.5	6.6	10.6	31.1	21.6	7.9	11.3
	1200	40.5	26.7	10.3	19.2	47.0	30.3	11.9	22.7	32.6	23.2	8.3	13.2	38.2	26.4	9.7	15.9
10	200	6.0	4.3	1.3	2.0	8.2	5.4	1.7	5.8	4.8	3.8	1.0	1.3	6.6	4.7	1.4	3.9
	300	9.4	6.5	2.0	6.1	12.5	8.0	2.6	20.0	7.6	5.8	1.6	4.3	10.2	7.0	2.1	13.9
	800	25.6	17.2	5.2	13.8	30.8	20.4	6.2	10.7	20.4	15.0	4.1	9.1	24.6	17.7	5.0	7.2
	1000	29.9	20.1	6.1	9.1	35.9	23.5	7.2	9.7	23.9	17.6	4.9	6.1	28.6	20.5	5.8	6.8
	1200	37.6	25.3	7.6	11.4	43.8	28.9	8.9	13.6	29.6	22.0	6.1	7.6	35.2	25.2	7.2	9.3
12	200	5.4	4.1	0.9	1.2	7.6	5.1	1.3	3.6	4.3	3.6	0.8	0.8	6.1	4.5	1.1	2.4
	300	8.7	6.2	1.5	3.8	11.8	7.7	2.0	12.9	6.9	5.5	1.2	2.6	9.5	6.7	1.7	8.8
	800	23.6	16.3	4.0	8.5	28.6	19.7	4.8	6.8	18.6	14.3	3.2	5.5	22.7	16.9	3.8	4.5
	1000	27.8	19.2	4.7	5.8	33.1	22.4	5.6	6.3	21.9	16.9	3.7	3.8	26.1	19.6	4.4	4.3
	1200	34.5	24.0	5.8	7.2	40.7	27.5	6.9	8.7	26.9	20.8	4.6	4.7	32.2	24.0	5.5	5.8
16	200	4.3	3.7	0.6	0.5	6.5	4.7	0.9	1.6					5.1	4.1	0.7	1.0
	300	7.3	5.7	1.0	1.7	10.4	7.1	1.4	6.1	5.6	5.0	0.8	1.1	8.1	6.2	1.1	3.9
	800	19.8	14.8	2.5	3.7	24.4	17.6	3.1	3.1	15.3	13.0	2.0	2.3	18.9	15.4	2.4	1.9
	1000	23.5	17.5	3.0	2.6	28.0	20.4	3.6	3.0	18.2	15.5	2.3	1.7	21.7	17.9	2.8	2.0
	1200	28.6	21.5	3.6	3.1	34.5	25.0	4.4	4.0	21.9	18.9	2.8	2.0	26.7	21.9	3.4	2.5
20	200					5.4	4.2	0.6	0.8								
	300	5.9	5.1	0.6	0.8	8.9	6.5	0.9	3.1					6.8	5.7	0.7	1.9
	800	16.4	13.5	1.7	1.7	20.4	16.0	2.1	1.5	12.5	12.0	1.3	1.1	15.5	14.2	1.6	0.9
	1000	19.6	16.0	2.0	1.3	23.1	18.5	2.4	1.5	14.9	14.3	1.5	0.8	17.6	16.4	1.8	1.0
	1200	23.5	19.5	2.4	1.5	28.6	22.7	2.9	1.9	17.6	17.3	1.8	0.9	21.6	20.1	2.2	1.2

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.6	4.1	2.0	4.4	7.3	5.0	2.5	12.1	4.0	3.6	1.4	2.5	5.2	4.1	1.8	6.7
	300	8.5	6.1	3.0	13.4	10.9	7.3	3.8	40.0	6.2	5.2	2.2	7.8	7.9	6.1	2.8	22.9
	800	22.8	15.9	7.7	28.5	27.3	18.8	9.2	21.5	16.2	13.3	5.5	15.5	19.5	15.6	6.6	11.9
	1000	26.7	18.7	9.1	18.4	31.8	21.8	10.7	18.9	19.1	15.8	6.5	10.3	22.8	18.2	7.8	10.9
	1200	33.5	23.6	11.4	22.9	39.0	26.7	13.2	27.3	23.6	19.6	8.1	12.6	28.0	22.3	9.5	15.4
8	200	5.0	3.9	1.3	2.2	6.7	4.7	1.8	6.2	3.5	3.4	1.0	1.2	4.8	4.0	1.3	3.3
	300	7.8	5.9	2.1	6.8	10.3	7.0	2.7	21.2	5.6	5.0	1.5	3.8	7.3	5.9	1.9	11.8
	800	20.9	15.2	5.3	14.4	25.2	18.0	6.4	11.2	14.8	12.8	3.8	7.7	17.7	15.0	4.5	6.0
	1000	24.5	17.9	6.3	9.5	29.3	20.8	7.4	10.2	17.4	15.2	4.5	5.3	20.7	17.5	5.3	5.8
	1200	30.6	22.4	7.8	11.8	36.0	25.5	9.2	14.3	21.4	18.7	5.5	6.4	25.5	21.4	6.5	7.9
10	200	4.5	3.7	1.0	1.2	6.2	4.5	1.3	3.5	3.1	3.1	0.7	0.6	4.3	3.8	0.9	1.9
	300	7.2	5.6	1.5	3.9	9.6	6.8	2.0	12.5	5.0	4.8	1.1	2.1	6.8	5.6	1.4	6.8
	800	19.1	14.5	3.9	8.1	23.1	17.1	4.7	6.4	13.5	12.3	2.8	4.3	16.2	14.4	3.3	3.5
	1000	22.5	17.1	4.6	5.5	26.8	19.8	5.5	6.1	15.9	14.6	3.3	3.0	18.9	16.9	3.9	3.4
	1200	27.7	21.2	5.7	6.8	33.0	24.3	6.7	8.4	19.3	17.9	4.0	3.7	23.3	20.6	4.8	4.6
12	200	4.0	3.5	0.7	0.7	5.7	4.3	1.0	2.1					4.0	3.7	0.7	1.1
	300	6.5	5.3	1.2	2.3	8.9	6.5	1.6	7.9	4.4	4.4	0.8	1.2	6.2	5.4	1.1	4.2
	800	17.4	13.8	3.0	4.9	21.2	16.3	3.6	4.0	12.2	11.9	2.1	2.6	14.8	13.9	2.5	2.1
	1000	20.5	16.3	3.5	3.4	24.6	19.0	4.2	3.9	14.5	14.2	2.5	1.9	17.2	16.3	2.9	2.2
	1200	25.1	20.1	4.3	4.2	30.2	23.2	5.1	5.2	17.5	17.2	3.0	2.2	21.2	19.9	3.6	2.8
16	200					4.7	3.9	0.6	0.9								
	300	5.2	4.8	0.7	0.9	7.6	6.0	1.0	3.5					5.2	5.1	0.7	1.9
	800	14.3	12.7	1.8	2.0	17.6	14.9	2.2	1.7	9.9	9.9	1.3	1.1	12.1	12.1	1.6	0.9
	1000	17.0	15.1	2.2	1.5	20.2	17.4	2.6	1.8	11.8	11.8	1.5	0.8	14.0	14.0	1.8	1.0
	1200	20.4	18.3	2.6	1.8	24.9	21.3	3.2	2.3	14.0	14.0	1.8	0.9	17.1	17.1	2.2	1.2
20	200																
	300					6.3	5.5	0.7	1.7								
	800	11.6	11.6	1.2	0.9	14.4	13.7	1.5	0.8								
	1000	13.9	13.9	1.4	0.7	16.4	16.0	1.7	0.9					10.4	10.4	1.1	0.4
	1200	16.3	16.3	1.7	0.8	20.1	19.5	2.1	1.1	10.3	10.3	1.1	0.4				

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 78.0 DB/63.5 WB, 45 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.2	5.5	2.5	6.8	9.0	6.5	3.1	17.7	6.0	5.0	2.1	4.9	7.5	5.8	2.6	12.8
	300	10.8	8.1	3.8	20.3					9.1	7.4	3.2	14.9	11.2	8.5	3.9	41.7
	600																
	1000																
	1200																
8	200	6.6	5.3	1.7	3.5	8.5	6.3	2.2	9.4	5.5	4.8	1.4	2.5	7.0	5.6	1.8	6.6
	300	10.1	7.8	2.6	10.7	12.8	9.3	3.3	31.2	8.4	7.1	2.2	7.7	10.6	8.3	2.8	22.6
	600																
	1000																
	1200																
10	200	6.1	5.1	1.3	2.0	8.0	6.1	1.7	5.6	5.0	4.6	1.1	1.4	6.6	5.4	1.4	3.9
	300	9.5	7.6	2.0	6.3	12.2	9.0	2.5	19.2	7.9	6.9	1.7	4.5	10.1	8.1	2.1	13.6
	600																
	1000																
	1200																
12	200	5.6	4.9	1.0	1.3	7.6	5.9	1.3	3.6	4.5	4.5	0.8	0.9	6.2	5.3	1.1	2.5
	300	8.9	7.3	1.6	4.0	11.6	8.7	2.0	12.6	7.2	6.7	1.3	2.8	9.5	7.8	1.7	8.8
	600																
	1000																
	1200																
16	200	4.6	4.5	0.6	0.5	6.6	5.5	0.9	1.6					5.4	5.0	0.7	1.1
	300	7.7	6.8	1.0	1.8	10.4	8.2	1.4	6.1	6.0	6.0	0.8	1.2	8.5	7.4	1.1	4.2
	600																
	1000																
	1200																
20	200					5.8	5.1	0.6	0.9								
	300	6.4	6.4	0.7	0.9	9.2	7.7	1.0	3.3	4.8	4.8	0.5	0.5	7.5	7.0	0.8	2.3
	600																
	1000																
	1200																

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.7	4.9	2.0	4.5	7.1	5.6	2.5	11.6	4.3	4.3	1.5	2.8	5.3	4.9	1.9	6.9
	300	8.6	7.2	3.0	13.7	10.6	8.3	3.7	38.2	6.5	6.4	2.3	8.3	8.0	7.2	2.8	23.0
	600																
	1000																
	1200																
8	200	5.2	4.7	1.4	2.3	6.7	5.5	1.7	6.0	3.9	3.9	1.0	1.4	5.0	4.8	1.3	3.6
	300	8.0	7.0	2.1	7.1	10.1	8.1	2.6	20.6	5.9	5.9	1.6	4.2	7.6	7.0	2.0	12.4
	600																
	1000																
	1200																
10	200	4.7	4.5	1.0	1.3	6.2	5.3	1.3	3.5	3.5	3.5	0.8	0.8	4.7	4.7	1.0	2.2
	300	7.4	6.7	1.6	4.1	9.5	7.8	2.0	12.4	5.4	5.4	1.2	2.4	7.2	6.9	1.5	7.6
	600																
	1000																
	1200																
12	200	4.2	4.2	0.8	0.8	5.8	5.1	1.0	2.2	3.2	3.2	0.6	0.5	4.5	4.5	0.8	1.4
	300	6.8	6.5	1.2	2.5	9.0	7.6	1.6	8.0	5.0	5.0	0.9	1.5	6.8	6.8	1.2	4.9
	600																
	1000																
	1200																
16	200					5.1	4.9	0.7	1.0					3.9	3.9	0.5	0.6
	300	5.6	5.6	0.8	1.1	8.0	7.2	1.1	3.9	4.1	4.1	0.6	0.6	6.1	6.1	0.8	2.4
	600																
	1000																
	1200																
20	200																
	300					7.1	6.9	0.8	2.1					5.2	5.2	0.6	1.2
	600																
	1000																
	1200																

ENTERING AIR 78.0 DB/65.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.7	5.4	2.7	7.6	9.8	6.4	3.4	20.8	6.4	4.8	2.2	5.6	8.2	5.7	2.8	15.1
	300	11.7	8.0	4.1	23.5					9.7	7.1	3.4	16.9	12.3	8.4	4.2	49.2
	600																
	1000	36.5	24.4	12.3	31.8												
	1200																
8	200	7.1	5.1	1.8	4.0	9.3	6.2	2.4	11.0	5.9	4.6	1.5	2.9	7.7	5.5	2.0	7.8
	300	10.8	7.6	2.8	12.0	14.0	9.2	3.6	36.4	9.0	6.8	2.4	8.7	11.7	8.1	3.0	26.5
	600																
	1000																
	1200																
10	200	6.5	4.9	1.4	2.3	8.8	5.9	1.8	6.5	5.3	4.4	1.1	1.6	7.2	5.3	1.5	4.6
	300	10.1	7.3	2.1	7.1	13.3	8.9	2.7	22.2	8.4	6.6	1.8	5.1	11.0	7.9	2.3	16.0
	600																
	1000																
	1200																
12	200	6.0	4.6	1.0	1.4	8.2	5.7	1.4	4.1	4.8	4.2	0.8	1.0	6.7	5.1	1.2	2.8
	300	9.5	7.0	1.7	4.5	12.7	8.6	2.2	14.6	7.7	6.3	1.4	3.2	10.4	7.6	1.8	10.3
	600																
	1000																
	1200																
16	200	4.9	4.2	0.6	0.6	7.1	5.3	0.9	1.9	3.8	3.8	0.5	0.4	5.7	4.7	0.8	1.3
	300	8.1	6.5	1.1	2.0	11.3	8.0	1.5	7.0	6.4	5.8	0.9	1.4	9.1	7.1	1.2	4.8
	600																
	1000																
	1200																
20	200					6.1	4.9	0.6	0.9					4.9	4.4	0.5	0.6
	300	6.8	6.0	0.7	1.0	9.9	7.4	1.0	3.7	5.1	5.1	0.6	0.6	7.8	6.6	0.8	2.5
	600																
	1000																
	1200																

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.1	4.7	2.1	5.1	7.8	5.5	2.7	13.8	4.6	4.1	1.6	3.1	5.8	4.7	2.0	8.1
	300	9.3	6.9	3.2	15.5	11.7	8.1	4.0	45.1	7.0	6.0	2.5	9.5	8.8	6.9	3.1	27.3
	600																
	1000																
	1200																
8	200	5.6	4.5	1.5	2.6	7.3	5.3	1.9	7.1	4.1	3.9	1.1	1.6	5.4	4.6	1.4	4.1
	300	8.6	6.7	2.3	8.0	11.1	7.9	2.9	24.3	6.4	5.8	1.7	4.8	8.2	6.7	2.2	14.4
	600																
	1000																
	1200																
10	200	5.0	4.3	1.1	1.5	6.8	5.1	1.4	4.1	3.6	3.6	0.8	0.8	5.0	4.4	1.1	2.4
	300	8.0	6.4	1.7	4.6	10.5	7.6	2.2	14.5	5.8	5.6	1.3	2.7	7.7	6.5	1.6	8.5
	600																
	1000																
	1200																
12	200	4.5	4.1	0.8	0.9	6.3	4.9	1.1	2.6	3.2	3.2	0.6	0.5	4.6	4.3	0.8	1.5
	300	7.3	6.2	1.3	2.9	9.8	7.4	1.7	9.3	5.2	5.2	0.9	1.6	7.2	6.3	1.3	5.4
	600																
	1000																
	1200																
16	200					5.4	4.6	0.7	1.1					3.9	3.9	0.5	0.7
	300	6.0	5.7	0.8	1.2	8.5	6.9	1.1	4.3	4.1	4.1	0.6	0.6	6.2	6.0	0.8	2.5
	600																
	1000																
	1200																
20	200																
	300	4.7	4.7	0.5	0.5	7.4	6.4	0.8	2.2					5.3	5.3	0.6	1.3
	600																
	1000																
	1200																

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 78.0 DB/68.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT								45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL				A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	FD	TH	SH	GPM	PD
6	200	9.3	5.2	3.2	10.5	11.6	6.3	3.9	28.0	7.8	4.6	2.7	7.7	10.0	5.6	3.4	21.4	7.4	4.4	2.6	7.1	9.6	5.4	3.3	19.8	5.5	3.7	1.9	4.3	7.4	4.5	2.5	12.3
	300	14.0	7.8	4.8	32.2					11.9	6.9	4.1	24.0					11.3	6.6	3.9	22.0					8.4	5.5	3.0	13.1	11.1	6.7	3.8	41.1
	800													37.5	21.2	12.6	37.7	30.1	17.4	10.2	47.4	35.9	20.6	12.1	34.9	22.9	14.5	7.8	28.9	27.5	17.1	9.3	21.8
	1000									36.9	21.1	12.5	32.5					35.3	20.4	11.9	30.1					26.9	17.0	9.1	16.6	32.1	19.9	10.9	19.2
	1200																									33.7	21.4	11.4	23.2	39.5	24.3	13.4	27.8
8	200	8.4	4.9	2.2	5.3	11.0	6.1	2.8	15.1	6.9	4.3	1.8	3.8	9.4	5.4	2.4	11.3	6.5	4.1	1.7	3.4	9.0	5.2	2.3	10.3	4.8	3.5	1.3	2.1	6.7	4.3	1.8	6.1
	300	13.0	7.4	3.4	16.7	16.5	9.0	4.2	49.0	10.8	6.4	2.8	12.0	14.2	8.0	3.7	37.4	10.3	6.2	2.7	10.9	13.6	7.7	3.5	34.6	7.6	5.2	2.0	6.5	10.3	6.4	2.7	21.3
	800	34.9	19.5	8.8	36.5	41.6	23.1	10.5	27.0	29.5	17.1	7.5	26.9	35.3	20.3	8.9	20.3	28.1	16.5	7.1	24.6	33.7	19.6	8.5	18.6	20.8	13.6	5.3	14.2	25.1	16.2	6.4	11.0
	1000	40.9	22.8	10.3	23.3	48.4	26.8	12.2	23.3	34.5	20.1	8.7	17.3	41.1	23.5	10.4	17.8	32.9	19.4	8.3	15.9	39.2	22.7	9.9	16.5	24.3	16.0	6.2	9.4	29.1	18.7	7.4	10.1
	1200	51.5	28.8	13.0	29.0					43.4	25.3	11.0	21.6	50.5	28.9	12.8	25.7	41.3	24.4	10.5	19.8	48.2	27.9	12.2	23.7	30.3	20.1	7.7	11.7	35.9	22.9	9.1	14.2
10	200	7.6	4.5	1.6	3.0	10.5	5.8	2.2	9.0	6.2	4.0	1.3	2.1	8.8	5.1	1.8	6.6	5.9	3.9	1.2	1.9	8.4	4.9	1.7	6.0	4.3	3.3	0.9	1.1	6.1	4.0	1.3	3.4
	300	12.0	6.9	2.5	9.6	15.9	8.7	3.3	30.4	9.8	6.0	2.1	6.7	13.4	7.7	2.8	22.7	9.3	5.8	1.9	6.1	12.8	7.4	2.7	20.8	6.9	4.9	1.5	3.6	9.5	6.1	2.0	12.3
	800	32.9	18.6	6.7	21.8	39.4	22.1	8.0	16.5	27.5	16.3	5.6	15.7	33.0	19.3	6.7	12.0	26.0	15.7	5.3	14.2	31.3	18.6	6.3	11.0	18.6	12.9	3.8	7.8	22.6	15.3	4.6	6.2
	1000	38.6	21.8	7.8	14.2	45.8	25.6	9.2	14.7	32.1	19.1	6.5	10.3	38.2	22.3	7.7	10.9	30.5	18.4	6.2	9.4	36.3	21.5	7.3	10.0	21.8	15.2	4.5	5.2	26.2	17.7	5.3	5.9
	1200	48.4	27.4	9.8	17.7	56.3	31.4	11.4	20.9	40.3	24.0	8.2	12.9	47.1	27.4	9.5	15.4	38.1	23.1	7.7	11.7	44.7	26.4	9.0	14.1	27.0	18.9	5.5	6.5	32.3	21.7	6.6	8.1
12	200	6.9	4.2	1.2	1.8	9.9	5.6	1.7	5.8	5.6	3.7	1.0	1.3	8.1	4.8	1.4	4.1	5.3	3.6	0.9	1.1	7.7	4.7	1.3	3.7	3.7	3.1	0.7	0.6	5.5	3.8	1.0	2.0
	300	11.0	6.5	1.9	5.9	15.2	8.4	2.6	20.1	9.0	5.7	1.6	4.1	12.6	7.3	2.2	14.6	8.5	5.5	1.5	3.7	12.0	7.0	2.1	13.2	6.1	4.7	1.1	2.1	8.7	5.8	1.5	7.5
	800	31.0	17.7	5.2	13.9	37.2	21.1	6.3	10.7	25.2	15.4	4.3	9.6	30.5	18.3	5.1	7.6	23.7	14.8	4.0	8.6	28.7	17.6	4.8	6.8	16.6	12.2	2.8	4.5	20.4	14.5	3.5	3.7
	1000	36.2	20.8	6.1	9.2	43.0	24.4	7.2	9.8	29.6	18.0	5.0	6.4	35.2	21.1	5.9	7.0	27.8	17.4	4.7	5.8	33.2	20.3	5.6	6.4	19.6	14.4	3.3	3.1	23.5	16.8	4.0	3.6
	1200	45.4	26.1	7.7	11.5	52.9	29.9	8.9	13.7	36.8	22.6	6.2	8.0	43.4	25.9	7.3	9.7	34.5	21.7	5.9	7.2	40.9	24.9	6.9	8.8	23.9	17.8	4.1	3.8	29.0	20.5	4.9	4.9
16	200	5.6	3.8	0.7	0.8	8.6	5.0	1.1	2.6	4.4	3.3	0.6	0.5	6.8	4.3	0.9	1.7	4.1	3.2	0.6	0.4	6.4	4.2	0.8	1.5					4.4	3.4	0.6	0.8
	300	9.3	5.8	1.2	2.6	13.5	7.7	1.7	9.7	7.4	5.2	1.0	1.7	10.9	6.6	1.4	6.6	7.0	5.0	0.9	1.6	10.2	6.4	1.3	5.9	4.7	4.2	0.6	0.8	7.1	5.2	0.9	3.1
	800	26.4	15.9	3.3	6.1	32.1	19.0	4.1	5.0	20.7	13.6	2.6	3.9	25.5	16.3	3.2	3.3	19.3	13.2	2.5	3.5	23.8	15.7	3.0	2.9	13.2	11.0	1.7	1.7	16.3	13.0	2.1	1.5
	1000	31.0	18.6	3.9	4.2	36.9	21.8	4.7	4.7	24.3	16.1	3.1	2.7	29.2	18.8	3.7	3.2	22.8	15.5	2.9	2.4	27.3	18.1	3.5	2.9	15.6	13.1	2.0	1.3	18.6	15.1	2.4	1.5
	1200	38.4	23.2	4.9	5.2	45.4	26.7	5.8	6.4	29.7	19.9	3.8	3.4	36.0	23.1	4.6	4.3	27.7	19.1	3.5	3.0	33.6	22.2	4.3	3.8	18.7	16.0	2.4	1.5	22.9	18.5	2.9	2.0
20	200					7.2	4.5	0.8	1.3					5.5	3.9	0.6	0.8					5.1	3.7	0.5	0.7			0.2					
	300	7.8	5.3	0.8	1.2	11.7	6.9	1.2	5.0	5.9	4.6	0.6	0.8	9.1	5.9	1.0	3.2	5.5	4.5	0.6	0.7	8.5	5.7	0.9	2.8					5.7	4.7	0.6	1.4
	800	21.8	14.1	2.2	2.9	27.0	16.9	2.7	2.5	16.6	12.2	1.7	1.8	20.6	14.6	2.1	1.5	15.4	11.8	1.6	1.5	19.2	14.0	2.0	1.3	10.1	10.1	1.0	0.7	12.7	11.8	1.3	0.7
	1000	25.8	16.7	2.6	2.0	30.8	19.4	3.1	2.4	19.7	14.5	2.0	1.3	23.5	16.8	2.4	1.5	18.3	14.0	1.9	1.1	21.8	16.2	2.2	1.4	12.1	12.1	1.3	0.6	14.3	13.8	1.5	0.7
	1200	31.2	20.5	3.2	2.5	38.0	23.9	3.9	3.2	23.6	17.7	2.4	1.5	28.9	20.6	2.9	2.0	21.8	17.0	2.2	1.3	26.8	19.8	2.7	1.7	14.2	14.2	1.5	0.7				

ENTERING AIR 80.0 DB/63.5 WB, 40 PERCENT RH

WTR	CFM	40° EWT								44° EWT								45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL				A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.3	6.0	2.5	7.0	9.0	6.9	3.1	17.8	6.1	5.5	2.1	5.2	7.6	6.3	2.6	13.0	5.9	5.4	2.1	4.8	7.2	6.1	2.5	11.9	4.6	4.6	1.6	3.2	5.6	5.5	2.0	7.6
	300	11.0	8.8	3.8	20.9					9.3	8.1	3.2	15.6	11.3	9.1	3.9	42.3	8.9	7.9	3.1	14.3	10.8	8.9	3.7	38.9	6.8	6.8	2.4	9.1	8.3	7.9	2.9	24.8
	800	28.4	22.3	9.6	42.6	33.9	26.2	11.4	31.5	23.7	20.3	8.0	30.8	28.3	23.7	9.6	22.9	22.6	19.8	7.7	28.2	26.9	23.1	9.1	21.0	17.9	17.9	6.1	18.5	20.9	20.7	7.1	13.4
	1000	33.4	26.2	11.3	27.2	39.4	30.4	13.3	26.9	28.0	24.0	9.5	20.0	33.1	27.7	11.2	20.2	26.7	23.4	9.0	18.4	31.6	27.0	10.7	18.7	21.2	21.2	7.2	12.3	24.8	24.5	8.4	12.5
	1200									34.8	29.8	11.8	24.4	40.7	33.8	13.7	29.2	33.1	29.1	11.2	22.4	38.7	33.0	13.1	26.9	25.8	25.8	8.8	14.6	30.3	29.9	10.3	17.7
8	200	6.8	5.8	1.8	3.7	8.6	6.7	2.2	9.5	5.7	5.3	1.5	2.7	7.2	6.1	1.9	6.9	5.4	5.2	1.4	2.5	6.8	5.9	1.8	6.3	4.2	4.2	1.1	1.6	5.3	5.3	1.4	4.1
	300	10.4	8.5	2.7	11.1	12.9	9.9	3.3	31.5	8.7	7.8	2.3	8.2	10.8	8.9	2.8	23.1	8.3	7.6	2.2	7.5	10.3	8.7	2.7	21.2	6.4	6.4	1.7	4.8	8.0	7.8	2.1	13.7
	800	26.8	21.6	6.8	22.6	32.1	25.4	8.1	17.1	22.4	19.8	5.7	16.3	26.7	23.1	6.8	12.4	21.3	19.3	5.4	14.9	25.4	22.5	6.5	11.3	17.1	17.1	4.4	10.0	20.0	20.0	5.1	7.4
	1000	31.6	25.5	8.0	14.8	37.5	29.6	9.5	15.3	26.4	23.4	6.7	10.8	31.3	26.9	7.9	11.4	25.2	22.9	6.4	10.0	29.8	26.3	7.6	10.5	20.3	20.3	5.2	6.8	23.7	23.7	6.0	7.2
	1200	39.4	31.9	10.0	18.3	46.0	36.2	11.6	21.8	32.6	28.9	8.3	13.2	38.4	32.9	9.7	16.0	31.0	28.2	7.9	12.1	36.6	32.2	9.3	14.7	24.4	24.4	6.3	8.1	28.9	28.9	7.4	9.8
10	200	6.3	5.6	1.3	2.2	8.1	6.5	1.7	5.7	5.2	5.1	1.1	1.6	6.8	5.9	1.4	4.1	5.0	5.0	1.0	1.4	6.4	5.8	1.3	3.7	3.9	3.9	0.8	1.0	5.1	5.1	1.1	2.5
	300	9.7	8.2	2.0	6.6	12.3	9.6	2.6	19.4	8.2	7.6	1.7	4.8	10.3	8.7	2.1	14.1	7.7	7.4	1.6	4.4	9.8	8.5	2.0	13.0	5.9	5.9	1.3	2.8	7.6	7.6	1.6	8.4
	800	25.4	21.0	5.1	13.5	30.4	24.7	6.2	10.4	21.2	19.3	4.3	9.8	25.3	22.4	5.1	7.5	20.3	18.9	4.1	9.0	24.1	22.0	4.9	6.9	16.2	16.2	3.3	6.1	19.0	19.0	3.9	4.6
	1000	29.8	24.8	6.1	9.0	35.5	28.7	7.2	9.6	25.1	22.9	5.1	6.7	29.6	26.3	6.0	7.1	23.9	22.4	4.9	6.1	28.2	25.7	5.7	6.6	19.3	19.3	3.9	4.2	22.5	22.5	4.6	4.6
	1200	36.9	30.8	7.5	11.1	43.5	35.1	8.8	13.5	30.7	28.1	6.3	8.1	36.3	32.1	7.4	9.8	29.2	27.5	6.0	7.4	34.6	31.5	7.0	9.1	23.1	23.1	4.8	6.0	27.6	27.6	5.6	6.1
12	200	5.8	5.4	1.0	1.4	7.7	6.3	1.3	3.7	4.8	4.8	0.8	1.0	6.4	5.8	1.1	2.6	4.5	4.5	0.8	0.9	6.1	5.7	1.1	2.4	3.6	3.6	0.6	0.6	4.9	4.9	0.9	1.6
	300	9.2	8.0	1.6	4.3	11.8	9.4	2.0	12.9	7.6	7.4	1.3	3.0	9.8	8.5	1.7	9.3	7.2	7.2	1.3	2.8	9.3	8.4	1.6	8.5	5.5	5.5	1.0	1.8	7.3	7.3	1.3	5.6
	800	23.9	20.4	4.1	8.7	28.8	24.0	4.9	6.8	20.0	18.8	3.4	6.3	23.9	21.9	4.0	4.9	19.2	18.5	3.3	5.8	22.8	21.4	3.9	4.5	15.4	15.4	2.6	3.9	18.1	18.1	3.1	3.0
	1000	28.3	24.2	4.8	6.0	33.5	27.9	5.7	6.5	23.7	22.4	4.0	4.4	27.9	25.6	4.7	4.8	22.7	22.0	3.9	4.0	26.7	25.2	4.5	4.5	18.2	18.2	3.1	2.8	21.4	21.4	3.6	3.1
	1200	34.8	29.8	5.9	7.3	41.2	34.1	7.0	8.9	28.9	27.3	4.9	5.3	34.3	31.4	5.8	6.5	27.5	26.8	4.7	4.9	32.7	30.8	5.6	6.0	21.9	21.9	3.8	3.3	26.2	26.2	4.5	4.1
16	200	4.9	4.9	0.6	0.6	6.9	6.0	0.9	1.8	4.0	4.0	0.5	0.4	5.7	5.5	0.8	1.3	3.8	3.8	0.5	0.4	5.5	5.5	0.7	1.2					4.3	4.3	0.6	0.8
	300	8.0	7.5	1.1	2.0	10.7	8.9	1.4	6.4	6.4	6.4	0.9	1.3	8.9	8.2	1.2	4.6	6.0	6.0	0.8	1.2	8.5	8.0	1.1	4.3	4.6	4.6	0.6	0.8	6.7	6.7	0.9	2.8
	800	21.3	19.4	2.7	4.2	25.7	22.6	3.3	3.3	17.8	17.8	2.3	3.0	21.4	20.9	2.7	2.4	17.1	17.1	2.2	2.8	20.5	20.5	2.6	2.2	13.5	13.5	1.7	1.8	16.1	16.1	2.1	1.5
	1000	25.3	23.0	3.2	2.9	29.9	26.4	3.8	3.3	21.2	21.2	2.7	2.2	25.0	24.5	3.2	2.5	20.3	20.3	2.6	2.0	23.9	23.9	3.0	2.3	16.1	16.1	2.1	1.3	18.9	18.9	2.4	1.6
	1200	30.7	28.1	3.9	3.5	36.7	32.3	4.7	4.4	25.5	25.5	3.3	2.6	30.7	30.0	3.9	3.2	24.3	24.3	3.1	2.4	29.3	29.3	3.7	3.0	19.1	19.1	2.5	1.6	23.1	23.1	3.0	2.0
20	200					6.1	5.7	0.6	0.9					5.1	5.1	0.5	0.7					4.8	4.8	0.5	0.6								
	300	6.8	6.8	0.7	1.0	9.7	8.5	1.0	3.6	5.3	5.3	0.6	0.6	8.0	7.8	0.8	2.6	5.1	5.1	0.6	0.6	7.6	7.6	0.8	2.3					5.9	5.9	0.6	1.5
	800	18.9	18.4	1.9	2.2	23.0	21.5	2.3	1.8	15.7	15.7	1.6	1.6	19.0	19.0	1.9	1.3	15.0	15.0	1.5	1.5	18.1	18.1	1.9	1.2	11.3	11.3	1.2	0.9	13.9	13.9	1.4	0.8
	1000	22.5	21.9	2.3	1.6	26.6	25.2	2.7	1.9	18.8	18.8	1.9	1.2	22.1	22.1	2.3	1.4	17.9	17.9	1.8	1.1	21.0	21.0	2.2	1.3	13.6	13.6	1.4	0.7	16.0	16.0	1.6	0.8
	1200	27.0	26.6	2.8	1.9	32.6	30.8	3.3	2.4	22.3	22.3	2.3	1.4	27.1	27.1	2.8	1.8	21.2	21.2	2.2	1.3	25.8	25.8	2.6	1.6	16.0	16.0	1.7	0.8	19.6	19.6	2.0	1.0

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 80.0 DB/67.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.7	5.6	3.0	9.5	10.9	6.8	3.7	25.3	7.3	5.0	2.5	6.9	9.3	6.0	3.2	19.0
	300	13.2	8.4	4.6	29.0					11.1	7.5	3.8	21.2				
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800					41.2	25.6	13.9	44.5	29.5	19.4	9.9	45.6	35.2	22.9	11.8	33.6
	1000	40.8	25.6	13.7	38.7					34.6	22.8	11.7	29.0	41.0	26.6	13.8	28.6
	1200																
8	200	7.9	5.3	2.0	4.8	10.4	6.5	2.7	13.5	6.6	4.8	1.7	3.5	8.8	5.8	2.3	9.9
	300	12.2	8.0	3.2	14.9	15.6	9.6	4.0	44.3	10.2	7.1	2.7	10.8	13.3	8.6	3.4	33.3
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	32.9	20.9	8.3	32.7	39.2	24.7	9.9	24.4	27.5	18.6	7.0	23.7	33.0	21.9	8.3	17.9
	1000	38.6	24.6	9.8	21.0	45.6	28.6	11.5	21.1	32.2	21.8	8.2	15.3	38.3	25.4	9.7	15.9
	1200	48.5	30.9	12.3	26.2					40.4	27.4	10.3	19.1	47.1	31.1	11.9	22.8
10	200	7.3	5.0	1.5	2.8	9.9	6.3	2.0	8.1	6.1	4.6	1.3	2.0	8.2	5.6	1.7	5.8
	300	11.3	7.6	2.3	8.6	14.9	9.3	3.1	27.3	9.5	6.8	2.0	6.3	12.6	8.3	2.6	20.1
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	30.9	20.0	6.3	19.4	37.1	23.7	7.5	14.8	25.6	17.8	5.2	13.7	30.8	21.0	6.2	10.6
	1000	36.2	23.5	7.3	12.7	43.0	27.5	8.7	13.2	30.0	20.9	6.1	9.1	35.7	24.3	7.2	9.7
	1200	45.4	29.6	9.2	15.8	52.9	33.7	10.7	18.8	37.4	26.2	7.6	11.3	43.9	29.8	8.9	13.7
12	200	6.7	4.8	1.2	1.7	9.3	6.0	1.6	5.1	5.5	4.4	1.0	1.2	7.7	5.3	1.3	3.6
	300	10.6	7.3	1.8	5.5	14.2	9.0	2.4	17.9	8.8	6.6	1.5	3.9	11.9	8.0	2.1	13.0
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	28.9	19.2	4.9	12.3	34.8	22.7	5.9	9.6	23.6	17.0	4.0	8.5	28.6	20.1	4.8	6.8
	1000	34.0	22.5	5.7	8.2	40.3	26.3	6.8	8.8	27.8	20.1	4.7	5.8	33.1	23.3	5.6	6.4
	1200	42.4	28.3	7.2	10.2	49.5	32.2	8.4	12.2	34.4	25.0	5.8	7.1	40.8	28.6	6.9	8.7
16	200	5.6	4.4	0.7	0.8	8.1	5.5	1.1	2.4	4.5	4.0	0.6	0.5	6.6	4.9	0.9	1.6
	300	9.2	6.7	1.2	2.5	12.8	8.4	1.7	8.8	7.4	6.1	1.0	1.7	10.4	7.4	1.4	6.1
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	24.9	17.6	3.2	5.5	30.4	20.9	3.8	4.5	20.0	15.7	2.5	3.7	24.5	18.6	3.1	3.1
	1000	29.4	20.7	3.7	3.8	35.0	24.1	4.4	4.3	23.7	18.6	3.0	2.6	28.3	21.5	3.6	3.0
	1200	36.1	25.7	4.6	4.7	43.1	29.6	5.5	5.8	28.8	22.8	3.7	3.2	34.8	26.4	4.4	4.0
20	200					7.0	5.1	0.7	1.2					5.6	4.5	0.6	0.8
	300	7.8	6.2	0.8	1.2	11.2	7.7	1.2	4.6	6.1	5.6	0.7	0.8	9.0	6.9	0.9	3.2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	21.2	16.1	2.2	2.7	26.2	19.2	2.7	2.3	16.9	14.6	1.7	1.8	20.8	17.2	2.1	1.5
	1000	25.2	19.1	2.6	2.0	30.0	22.2	3.0	2.3	20.1	17.3	2.1	1.3	23.8	19.9	2.4	1.6
	1200	30.5	23.5	3.1	2.4	37.0	27.2	3.8	3.0	24.0	21.1	2.5	1.6	29.3	24.4	3.0	2.0

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.9	4.9	2.4	6.4	8.9	5.8	3.1	17.5	5.3	4.3	1.9	4.0	6.8	5.0	2.4	10.8
	300	10.5	7.2	3.7	19.3					8.1	6.3	2.8	12.2	10.3	7.3	3.6	35.9
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	28.1	18.8	9.5	41.9	33.6	22.2	11.3	31.0	21.2	16.0	7.2	25.0	25.4	18.9	8.6	19.0
	1000	33.0	22.1	11.1	26.7	39.1	25.7	13.2	26.5	24.8	18.9	8.4	16.2	29.7	21.9	10.1	16.9
	1200									31.0	23.6	10.5	20.0	36.5	26.8	12.4	24.3
8	200	6.3	4.7	1.7	3.2	8.4	5.6	2.2	9.1	4.8	4.1	1.3	2.0	6.3	4.8	1.6	5.5
	300	9.7	6.9	2.5	9.9	12.7	8.3	3.3	30.6	7.4	6.1	2.0	6.2	9.6	7.1	2.5	18.9
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	26.1	18.0	6.6	21.5	31.4	21.3	7.9	16.4	19.5	15.4	5.0	12.7	23.4	18.1	5.9	9.8
	1000	30.6	21.1	7.8	14.0	36.4	24.6	9.2	14.6	22.9	18.2	5.8	8.5	27.4	21.1	7.0	9.1
	1200	38.4	26.6	9.7	17.5	44.8	30.1	11.3	20.9	28.3	22.6	7.2	10.4	33.7	25.8	8.6	12.8
10	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.2	3.9	0.9	1.1	5.8	4.6	1.2	3.1
	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.8	5.8	1.4	3.5	9.0	6.8	1.9	11.1
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.9	14.9	3.6	7.2	21.6	17.4	4.4	5.7
	1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21.1	17.6	4.3	4.9	25.1	20.3	5.1	5.5
	1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.8	21.7	5.3	6.0	30.9	24.9	6.3	7.5
12	200	5.2	4.2	0.9	1.1	7.3	5.2	1.3	3.3	3.8	3.8	0.7	0.6	5.3	4.4	0.9	1.9
	300	8.3	6.4	1.5	3.6	11.3	7.7	2.0	11.9	6.1	5.6	1.1	2.1	8.3	6.6	1.5	7.0
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	22.3	16.5	3.8	7.7	27.0	19.5	4.6	6.0	15.5	14.4	2.8	4.4	19.9	16.8	3.4	3.6
	1000	26.3	19.5	4.5	5.2	31.3	22.6	5.3	5.8	19.4	17.1	3.3	3.1	23.2	19.7	3.9	3.5
	1200	32.4	24.2	5.5	6.4	38.6	27.8	6.5	8.0	23.6	20.9	4.0	3.7	28.5	24.1	4.8	4.7
16	200	4.2	3.9	0.6	0.5	6.2	4.8	0.8	1.5					4.5	4.2	0.6	0.8
	300	7.0	5.9	0.9	1.6	9.8	7.2	1.3	5.5	4.9	4.9	0.7	0.8	7.2	6.2	1.0	3.2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	18.9	15.3	2.4	3.3	23.1	18.0	2.9	2.8	13.8	13.5	1.8	1.9	16.9	15.8	2.2	1.6
	1000	22.3	18.1	2.8	2.4	26.7	20.9	3.4	2.8	16.4	16.1	2.1	1.4	19.5	18.4	2.5	1.7
	1200	27.1	22.2	3.5	2.9	32.9	25.6	4.2	3.6	19.7	19.7	2.5	1.7	24.0	22.6	3.1	2.1
20	200					5.2	4.4	0.6	0.7								
	300	5.7	5.4	0.6	0.7	8.5	6.7	0.9	2.8					6.1	5.8	0.7	1.6
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	15.9	14.2	1.6	1.6	19.6	16.7	2.0	1.4	11.4	11.4	1.2	0.9	14.1	14.1	1.4	0.8
	1000	18.9	16.9	1.9	1.2	22.4	19.4	2.3	1.4	13.7	13.7	1.4	0.7	16.1	16.1	1.7	0.8
	1200	22.6	20.5	2.3	1.4	27.6	23.8	2.8	1.8	16.1	16.1	1.7	0.8	19.8	19.8	2.0	1.0

ENTERING AIR 80.0 DB/70.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.3	5.5	3.5	12.7	12.8	6.6	4.3	33.5	8.8	4.9	3.0	9.7	11.2	5.9	3.8	26.3
	300	15.6	8.2	5.3	38.9					13.4	7.3	4.6	29.8				
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800																
	1000									41.5	22.3	14.0	39.8				
	1200																
8	200	9.5	5.1	2.4	6.6	12.2	6.4	3.1	18.2	8.0	4.5	2.1	4.9	10.6	5.7	2.7	14.0
	300	14.6	7.8	3.8	20.3					12.4	6.8	3.2	15.2	15.9	8.4	4.1	45.9
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	38.7	20.5	9.8	44.1	46.1	24.2	11.6	32.4	33.3	18.1	8.4	33.6	39.9	21.5	10.1	25.1
	1000	45.5	24.0	11.5	28.1	53.6	28.1	13.5	27.6	39.1	21.3	9.9	21.6	46.4	25.0	11.7	21.8
	1200									49.2	26.8	12.4	26.8				
10	200	8.7	4.8	1.8	3.8	11.7	6.2	2.4	11.0	7.1	4.2	1.5	2.7	10.0	5.4	2.1	8.3
	300	13.6	7.3	2.8	11.9	17.6	9.2	3.6	36.5	11.3	6.4	2.4	8.6	15.2	8.1	3.1	28.2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	36.8	19.6	7.4	26.6	44.0	23.3	8.9	20.0	31.3	17.3	6.3	19.8	37.5	20.5	7.6	15.1
	1000	43.2	23.0	8.7	17.2	51.1	27.0	10.3	17.6	36.6	20.3	7.4	12.9	43.6	23.8	8.8	13.5
	1200	54.1	28.9	10.9	21.4	62.7	33.1	12.7	25.3	45.9	25.5	9.3	16.1	53.6	29.2	10.8	19.3
12	200	7.9	4.5	1.4	2.3	11.1	5.9	1.9	7.1	6.4	3.9	1.1	1.6	9.4	5.2	1.6	5.2
	300	12.6	6.9	2.2	7.4	16.9	8.9	2.9	24.4	10.3	6.0	1.8	5.2	14.4	7.8	2.5	18.4
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	34.8	18.7	5.8	17.2	41.7	22.3	7.0	13.2	29.1	16.4	4.9	12.5	35.1	19.5	5.9	9.7
	1000	40.8	22.0	6.9	11.3	48.4	25.8	8.1	11.9	34.1	19.3	5.8	8.3	40.6	22.6	6.8	8.9
	1200	51.0	27.6	8.6	14.0	59.5	31.7	10.0	16.8	42.6	24.1	7.2	10.3	50.0	27.7	8.4	12.4
16	200	6.4	3.9	0.8	1.0	9.8	5.3	1.3	3.3	5.1	3.5	0.7	0.7	7.9	4.6	1.0	2.3
	300	10.5	6.1	1.4	3.2	15.3	8.2	2.0	12.1	8.6	5.4	1.1	2.2	12.6	7.1	1.6	8.6
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	30.4	16.9	3.8	7.9	36.7	20.2	4.6	6.3	24.2	14.6	3.1	5.3	29.8	17.5	3.8	4.3
	1000	35.7	19.9	4.5	5.4	42.3	23.3	5.3	5.9	28.5	17.1	3.6	3.6	34.2	20.1	4.3	4.1
	1200	44.2	24.8	5.6	6.6	52.2	28.6	6.6	8.1	35.1	21.3	4.5	4.5	42.2	24.7	5.3	5.6
20	200	5.2	3.5	0.5	0.4	8.4	4.8	0.9	1.6					6.5	4.1	0.7	1.1
	300	8.9	5.5	0.9	1.6	13.4	7.4	1.4	6.4	7.0	4.9	0.7	1.0	10.7	6.4	1.1	4.3
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	25.4	15.0	2.6	3.8	31.3	18.1	3.2	3.2	19.6	12.9	2.0	2.4	24.4	15.5	2.5	2.0
	1000	29.9	17.7	3.0	2.6	35.8	20.7	3.6	3.1	23.2	15.3	2.4	1.7	27.7	17.8	2.8	2.0
	1200	36.6	21.8	3.7	3.2	44.1	25.4	4.5	4.1	28.0	18.7	2.9	2.0	34.2	21.8	3.5	2.6

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.4	4.7	2.9	8.9	10.8	5.7	3.7	24.6	6.4	3.9	2.2	5.6	8.6	4.8	2.9	16.2
	300	12.8	7.0	4.4	27.6					9.9	5.9	3.5	17.5				
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800					40.4	21.7	13.6	43.0	26.8	15.5	9.0	38.3	32.1	18.3	10.8	28.6
	1000	39.9	21.6	13.4	37.2					31.4	18.2	10.6	24.5	37.4	21.3	12.6	24.7
	1200									39.5	22.9	13.4	30.3				
8	200	7.6	4.4	2.0	4.5	10.2	5.5	2.6	13.0	5.7	3.7	1.5	2.7	7.9	4.6	2.0	8.2
	300	11.8	6.6	3.1	14.0	15.3	8.2	3.9	42.9	8.9	5.5	2.3	8.4	12.1	6.9	3.1	28.2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	31.9	17.6	8.1	31.1	38.2	20.8	9.6	23.3	24.7	14.7	6.3	19.4	29.6	17.4	7.5	14.8
	1000	37.5	20.6	9.5	20.0	44.5	24.2	11.2	20.3	28.8	17.2	7.3	12.6	34.4	20.1	8.7	13.3
	1200	47.0	25.9	11.9	24.8	54.7	29.6	13.8	29.5	36.1	21.7	9.2	15.8	42.4	24.7	10.7	19.0
10	200	6.7	4.1	1.4	2.4	9.6	5.3	2.0	7.6	5.0	3.4	1.1	1.5	7.2	4.3	1.5	4.6
	300	10.8	6.2	2.2	7.9	14.6	7.9	3.0	26.2	8.0	5.2	1.7	4.7	11.2	6.5	2.3	16.4
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	29.9	16.7	6.0	18.3	35.9	19.8	7.2	13.9	22.3	13.8	4.5	10.7	26.9	16.4	5.4	8.4
	1000	34.9	19.6	7.1	11.9	41.6	23.0	8.4	12.6	26.0	16.2	5.3	7.1	31.2	19.0	6.3	7.8
	1200	43.8	24.6	8.9	14.9	51.2	28.2	10.4	17.8	32.4	20.3	6.6	8.8	38.5	23.3	7.8	10.9
12	200	6.1	3.8	1.1	1.5	8.9	5.0	1.5	4.8	4.4	3.2	0.8	0.8	6.5	4.1	1.1	2.7
	300	9.7	5.8	1.7	4.7	13.8	7.5	2.4	17.0	7.2	5.0	1.3	2.8	10.3	6.2	1.8	10.2
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	27.7	15.8	4.7	11.3	33.3	18.8	5.6	8.8	20.0	13.0	3.4	6.3	24.4	15.5	4.1	5.1
	1000	32.4	18.6	5.5	7.5	38.5	21.7	6.5	8.2	23.4	15.3	4.0	4.3	28.2	17.9	4.8	4.9
	1200	40.4	23.3	6.8	9.4	47.5	26.7	8.0	11.4	28.8	19.0	4.9	5.2	34.7	22.0	5.9	6.6
16	200	4.8	3.4	0.6	0.6	7.5	4.4	1.0	2.0					5.3	3.7	0.7	1.1
	300	8.1	5.2	1.1	2.0	11.9	6.8	1.5	7.8	5.7	4.5	0.8	1.1	8.5	5.6	1.1	4.3
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	22.7	14.0	2.9	4.7	27.9	16.8	3.5	3.9	15.8	11.6	2.0	2.4	19.5	13.8	2.5	2.1
	1000	26.7	16.5	3.4	3.2	32.1	19.3	4.1	3.7	18.6	13.8	2.4	1.7	22.3	16.0	2.8	2.1
	1200	32.8	20.5	4.2	4.0	39.6	23.7	5.0	5.0	22.5	16.9	2.9	2.1	27.6	19.6	3.5	2.7
20	200					6.1	3.9	0.6	0.9								
	300	6.5	4.7	0.7	0.9	10.0	6.1	1.0	3.8					6.8	5.0	0.7	2.0
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	800	18.2	12.5	1.9	2.1	22.7	14.9	2.3	1.8	12.3	10.5	1.3	1.0	15.3	12.4	1.6	0.9
	1000	21.6	14.8	2.2	1.5	25.8	17.1	2.6	1.8	14.6	12.5	1.5	0.8	17.3	14.4	1.8	0.9
	1200	26.0	18.1	2.7	1.8	31.8	21.0	3.2	2.3	17.3	15.2	1.8	0.9	21.3	17.6	2.2	1.2

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

▮ SOLID COLOR AREA INDICATES ARI APPROVED STANDARD RATINGS AS SHOWN IN TABLE 19.2, PAGE 19

CERTIFIED COMPLIANCE ROOM FAN-COIL AIR CONDITIONER INDUSTRY STANDARD 441

[redacted]

HIGH SPEED

ENTERING AIR 85.0 DB/67.0 WB, 40 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.8	6.6	3.0	9.6	10.9	7.7	3.7	25.0	7.6	6.1	2.6	7.4	9.3	7.0	3.2	19.0
	300	13.2	9.7	4.5	28.8					11.4	9.0	3.9	22.3				
	[redacted]																
	800					40.9	29.3	13.8	43.9	29.4	22.7	9.9	45.3	35.1	26.7	11.8	33.4
	1000	40.5	29.4	13.6	38.2					34.5	26.7	11.7	28.9	40.9	31.0	13.8	28.5
	1200																
8	200	8.2	6.4	2.1	5.1	10.4	7.5	2.7	13.4	7.0	5.9	1.8	3.9	8.9	6.8	2.3	10.1
	300	12.4	9.4	3.2	15.3	15.5	11.0	4.0	43.7	10.7	8.7	2.8	11.8	13.3	10.0	3.4	33.6
	[redacted]																
	800	32.6	24.1	8.2	32.3	39.0	28.4	9.8	24.1	27.7	22.1	7.0	24.0	33.2	25.9	8.4	18.2
	1000	38.3	28.4	9.7	20.8	45.3	32.9	11.4	20.9	32.6	26.0	8.3	15.7	38.8	30.1	9.8	16.2
	1200	48.2	35.8	12.2	25.9					40.6	32.5	10.3	19.3	47.6	36.8	12.0	23.2
10	200	7.7	6.2	1.6	3.0	9.9	7.3	2.0	8.1	6.5	5.7	1.4	2.3	8.4	6.7	1.7	6.1
	300	11.8	9.1	2.4	9.2	14.9	10.8	3.1	27.3	10.1	8.5	2.1	7.0	12.8	9.8	2.6	20.7
	[redacted]																
	800	30.9	23.4	6.3	19.4	37.1	27.6	7.5	14.8	26.2	21.5	5.3	14.4	31.4	25.2	6.4	11.0
	1000	36.3	27.6	7.4	12.7	43.2	32.0	8.7	13.3	30.8	25.3	6.3	9.5	36.7	29.3	7.4	10.2
	1200	45.4	34.5	9.2	15.8	53.0	39.2	10.7	18.9	38.2	31.5	7.8	11.8	45.1	35.9	9.1	14.3
12	200	7.2	6.0	1.2	1.9	9.4	7.1	1.6	5.3	6.0	5.5	1.1	1.4	8.0	6.5	1.4	3.9
	300	11.2	8.9	1.9	6.0	14.4	10.5	2.5	18.2	9.5	8.2	1.7	4.5	12.2	9.6	2.1	13.7
	[redacted]																
	800	29.4	22.8	5.0	12.6	35.3	26.8	5.9	9.8	24.8	20.9	4.2	9.3	29.7	24.5	5.0	7.2
	1000	34.5	26.8	5.8	8.4	41.0	31.1	6.9	9.0	29.3	24.8	5.0	6.3	34.7	28.5	5.9	6.9
	1200	42.9	33.5	7.2	10.4	50.4	38.1	8.5	12.6	35.9	30.6	6.1	7.7	42.6	34.9	7.2	9.4
16	200	6.2	5.6	0.8	0.9	8.5	6.7	1.1	2.6	5.1	5.1	0.7	0.6	7.1	6.2	0.9	1.9
	300	9.9	8.4	1.3	2.9	13.2	10.0	1.7	9.2	8.3	7.8	1.1	2.1	11.1	9.1	1.4	6.8
	[redacted]																
	800	26.2	21.5	3.3	6.0	31.6	25.3	4.0	4.8	22.1	19.9	2.8	4.4	26.6	23.3	3.4	3.6
	1000	31.0	25.5	3.9	4.2	36.7	29.4	4.6	4.7	26.1	23.6	3.3	3.1	30.9	27.2	3.9	3.5
	1200	37.9	31.4	4.8	5.1	45.2	36.0	5.7	6.3	31.8	28.9	4.0	3.8	38.0	33.2	4.8	4.7
20	200	5.2	5.2	0.5	0.4	7.6	6.3	0.8	1.4					6.4	5.9	0.7	1.0
	300	8.7	7.9	0.9	1.5	12.0	9.5	1.2	5.2	7.1	7.1	0.8	1.0	10.0	8.7	1.0	3.8
	[redacted]																
	800	23.4	20.4	2.4	3.5	28.4	24.0	2.9	2.7	19.7	19.1	2.0	2.4	23.8	22.2	2.4	2.0
	1000	27.7	24.2	2.8	2.3	32.8	27.9	3.3	2.7	23.4	22.7	2.4	1.7	27.6	26.0	2.8	2.0
	1200	33.6	29.6	3.4	2.8	40.4	34.2	4.1	3.5	28.1	27.5	2.9	2.1	33.9	31.8	3.5	2.6

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.3	6.0	2.5	6.9	9.0	6.9	3.1	17.7	5.8	5.4	2.0	4.6	7.1	6.1	2.4	11.5
	300	10.9	8.8	3.8	20.7					8.7	7.9	3.1	13.9	10.5	8.9	3.7	37.6
	[redacted]																
	800	28.1	22.2	9.5	41.9	33.6	26.1	11.3	31.0	22.2	19.9	7.5	27.2	26.4	23.1	8.9	20.2
	1000	33.1	26.2	11.2	26.8	39.2	30.3	13.2	26.6	26.2	23.6	8.9	17.8	31.0	27.1	10.5	18.1
	1200									32.3	29.1	11.0	21.5	38.0	33.1	12.9	26.0
8	200	6.8	5.8	1.8	3.6	8.5	6.7	2.2	9.4	5.3	5.3	1.4	2.4	6.7	6.0	1.7	6.1
	300	10.3	8.5	2.7	10.9	12.8	9.8	3.3	31.1	8.1	7.7	2.1	7.2	10.1	8.7	2.6	20.5
	[redacted]																
	800	26.5	21.6	6.7	22.1	31.8	25.3	8.0	16.8	21.0	19.5	5.3	14.5	24.9	22.6	6.3	10.9
	1000	31.2	25.5	7.9	14.5	37.1	29.5	9.4	15.1	24.8	23.1	6.3	9.7	29.3	26.5	7.4	10.2
	1200	38.8	31.7	9.8	17.8	45.6	36.0	11.5	21.5	30.3	28.4	7.7	11.7	36.0	32.4	9.1	14.3
10	200	6.3	5.6	1.3	2.1	8.1	6.5	1.7	5.6	4.9	4.9	1.0	1.4	6.3	5.8	1.3	3.6
	300	9.7	8.3	2.0	6.5	12.2	9.6	2.5	19.2	7.6	7.6	1.6	4.3	9.6	8.6	2.0	12.5
	[redacted]																
	800	25.1	21.1	5.1	13.3	30.0	24.6	6.1	10.2	20.0	19.2	4.1	8.8	23.6	22.1	4.8	6.7
	1000	29.5	24.9	6.0	8.9	35.1	28.7	7.1	9.5	23.6	22.8	4.8	6.0	27.8	26.0	5.6	6.4
	1200	36.5	30.8	7.4	10.9	43.1	35.1	8.7	13.2	28.8	27.8	5.9	7.2	34.1	31.8	6.9	8.8
12	200	5.8	5.4	1.0	1.3	7.6	6.3	1.3	3.6	4.5	4.5	0.8	0.9	6.0	5.7	1.1	2.4
	300	9.1	8.1	1.6	4.2	11.7	9.4	2.0	12.6	7.0	7.0	1.2	2.7	9.2	8.4	1.6	8.3
	[redacted]																
	800	23.7	20.5	4.0	8.6	28.4	24.0	4.8	6.7	19.0	19.0	3.2	5.7	22.5	21.7	3.8	4.4
	1000	28.0	24.3	4.7	5.8	33.1	28.0	5.6	6.4	22.5	22.5	3.8	4.0	26.3	25.5	4.5	4.4
	1200	34.3	29.9	5.8	7.1	40.7	34.2	6.9	8.7	27.2	27.2	4.6	4.8	32.3	31.2	5.5	5.9
16	200	4.8	4.8	0.6	0.6	6.8	6.0	0.9	1.7	3.8	3.8	0.5	0.4	5.4	5.4	0.7	1.1
	300	7.9	7.6	1.0	1.9	10.6	9.0	1.4	6.3	6.0	6.0	0.8	1.2	8.4	8.1	1.1	4.2
	[redacted]																
	800	21.2	19.6	2.7	4.1	25.5	22.8	3.2	3.3	17.0	17.0	2.2	2.8	20.3	20.3	2.6	2.2
	1000	25.0	23.3	3.2	2.9	29.7	26.7	3.8	3.3	20.2	20.2	2.6	2.0	23.7	23.7	3.0	2.3
	1200	30.3	28.4	3.9	3.5	36.3	32.6	4.6	4.3	24.2	24.2	3.1	2.4	29.2	29.2	3.7	3.0
20	200					6.1	5.8	0.6	0.9					4.8	4.8	0.5	0.6
	300	6.7	6.7	0.7	1.0	9.6	8.6	1.0	3.5	5.1	5.1	0.6	0.6	7.6	7.6	0.8	2.3
	[redacted]																
	800	18.8	18.8	1.9	2.2	22.8	21.8	2.3	1.8	15.0	15.0	1.5	1.5	18.1	18.1	1.8	1.2
	1000	22.4	22.4	2.3	1.6	26.4	25.6	2.7	1.9	17.8	17.8	1.8	1.1	21.0	21.0	2.1	1.3
	1200	26.8	26.8	2.7	1.9	32.5	31.3	3.3	2.4	21.2	21.2	2.2	1.3	25.8	25.8	2.6	1.6

ENTERING AIR 85.0 DB/71.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.8	6.4	3.7	13.8	13.3	7.6	4.5	36.1	9.3	5.7	3.2	10.6	11.7	6.9	4.0	28.7
	300	16.3	9.4	5.6	42.1					14.1	8.5	4.9	32.7				
	[redacted]																
	800									37.1	22.1	12.5	69.3				
	1000																
	1200																
8	200	10.0	6.0	2.6	7.2	12.8	7.3	3.3	19.7	8.5	5.4	2.2	5.4	11.2	6.6	2.9	15.4
	300	15.3	9.0	3.9	22.1					13.1	8.1	3.4	16.8	16.7	9.8	4.3	50.1
	[redacted]																
	800	40.5	23.5	10.2	47.8	48.1	27.7	12.1	35.0	35.2	21.2	8.9	37.0	41.9	25.0	10.6	27.4
	1000	47.5	27.6	12.0	30.3					41.2	24.9	10.4	23.6	48.8	29.1	12.3	23.7
	1200									51.9	31.4	13.1	29.3				
10	200	9.2	5.7	1.9	4.1	12.2	7.1	2.5	12.0	7.8	5.1	1.6	3.1	10.6	6.4	2.2	9.2
	300	14.3	8.6	2.9	13.0	18.4	10.5	3.8	39.5	12.1	7.7	2.5	9.6	16.0	9.5	3.3	30.9
	[redacted]																
	800	38.5	22.7	7.8	29.0	46.0	26.8	9.3	21.7	33.1	20.4	6.7	22.0	39.6	24.1	8.0	16.7
	1000	45.2	26.6	9.1	18.7	53.5	31.1	10.8	19.0	38.7	23.9	7.8	14.3	46.1	27.9	9.3	14.8
	1200	56.9	33.5	11.5	23.3	65.7	38.1	13.2	27.4	48.6	30.1	9.8	17.8	56.7	34.2	11.4	21.2
12	200	8.4	5.4	1.5	2.6	11.7	6.8	2.0	7.8	7.1	4.9	1.2	1.9	9.9	6.1	1.7	5.8
	300	13.3	8.2	2.3	8.2	17.7	10.2	3.0	26.5	11.2	7.4	1.9	6.1	15.3	9.2	2.6	20.3
	[redacted]																
	800	36.6	21.8	6.2	18.8	43.8	25.8	7.4	14.4	31.0	19.5	5.2	13.9	37.2	23.1	6.3	10.8
	1000	42.8	25.6	7.2	12.3	50.8	29.9	8.5	12.9	36.3	22.9	6.1	9.2	43.1	26.7	7.3	9.8
	1200	53.7	32.2	9.0	15.3	62.5	36.7	10.5	18.3	45.3	28.8	7.7	11.5	53.1	32.8	8.9	13.8
16	200	7.2	4.9	0.9	1.2	10.4	6.3	1.3	3.7	6.0	4.5	0.8	0.8	8.7	5.6	1.1	2.7
	300	11.6	7.5	1.5	3.8	16.2	9.5	2.1	13.3	9.7	6.8	1.3	2.8	13.7	8.5	1.8	9.9
	[redacted]																
	800	32.3	20.1	4.1	8.8	39.0	23.8	4.9	7.0	26.6	17.9	3.4	6.2	32.4	21.3	4.1	5.0
	1000	37.8	23.5	4.8	5.9	44.9	27.5	5.7	6.5	31.3	21.1	4.0	4.2	37.4	24.6	4.7	4.8
	1200	47.0	29.5	6.0	7.4	55.3	33.7	7.0	8.9	38.5	26.2	4.9	5.2	46.1	30.1	5.8	6.5
20	200	6.0	4.5	0.6	0.6	9.1	5.8	0.9	1.9	4.9	4.1	0.5	0.4	7.5	5.2	0.8	1.3
	300	10.1	7.0	1.1	2.0	14.5	8.9	1.5	7.3	8.3	6.4	0.9	1.4	12.0	7.9	1.2	5.2
	[redacted]																
	800	27.8	18.4	2.8	4.5	34.1	21.9	3.5	3.7	22.6	16.5	2.3	3.1	27.8	19.6	2.8	2.6
	1000	32.8	21.7	3.3	3.1	39.3	25.3	4.0	3.6	26.7	19.5	2.7	2.2	32.0	22.7	3.2	2.6
	1200	40.2	26.8	4.1	3.8	48.4	31.0	4.9	4.8	32.4	24.0	3.3	2.6	39.4	27.8	4.0	3.4

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.9	5.6	3.1	9.9	11.3	6.7	3.9	26.9	7.0	4.9	2.4	6.5	9.1	5.8	3.1	18.2
	300	13.6	8.3	4.7	30.4					10.7	7.2	3.7	19.8				
	[redacted]																
	800									28.6	18.6	9.6	43.1	34.2	21.9	11.5	32.0
	1000									33.5	21.9	11.3	27.4	39.9	25.4	13.4	27.4
	1200																
8	200	8.1	5.3	2.1	5.0	10.7	6.4	2.8	14.3	6.4	4.6	1.7	3.3	8.5	5.5	2.2	9.4
	300	12.5	7.9	3.2	15.5	16.1	9.5	4.1	46.9	9.9	6.9	2.6	10.2	12.9	8.2	3.3	31.7
	[redacted]																
	800	33.7	20.6	8.5	34.3	40.3	24.4	10.2	25.6	26.4	17.8	6.7	22.0	31.8	21.0	8.0	16.8
	1000	39.6	24.3	10.0	22.0	46.9	28.3	11.8	22.2	30.9	20.9	7.8	14.2	37.0	24.3	9.4	15.0
	1200	49.8	30.6	12.6	27.3					38.7	26.3	9.8	17.7	45.5	29.8	11.5	21.5
10	200	7.4	5.0	1.5	2.9	10.1	6.2	2.1	8.5	5.8	4.4	1.2	1.9	7.9	5.3	1.6	5.4
	300	11.6	7.5	2.4	8.9	15.4	9.2	3.2	28.8	9.1	6.6	1.9	5.9	12.2	7.9	2.5	19.0
	[redacted]																
	800	31.6	19.8	6.4	20.2	38.0	23.4	7.7	15.4	24.4	17.1	4.9	12.6	29.4	20.1	6.0	9.8
	1000	37.1	23.2	7.5	13.2	44.1	27.1	8.9	13.8	28.6	20.1	5.8	8.4	34.2	23.4	6.9	9.1
	1200	46.4	29.2	9.4	16.4	54.3	33.2	11.0	19.7	35.5	25.1	7.2	10.4	42.2	28.6	8.6	12.7
12	200	6.8	4.8	1.2	1.8	9.5	5.9	1.6	5.4	5.2	4.3	0.9	1.1	7.3	5.1	1.3	3.3
	300	10.8	7.2	1.9	5.6	14.6	8.9	2.5	18.8	8.4	6.4	1.5	3.6	11.4	7.6	2.0	12.1
	[redacted]																
	800	29.5	19.0	5.0	12.8	35.5	22.4	6.0	9.9	22.4	16.4	3.8	7.7	27.1	19.3	4.6	6.2
	1000	34.5	22.3	5.8	8.4	41.2	25.9	6.9	9.1	26.3	19.4	4.5	5.2	31.5	22.4	5.3	5.9
	1200	43.1	27.9	7.3	10.5	50.7	31.8	8.5	12.7	32.4	24.0	5.5	6.4	38.9	27.5	6.6	8.0
16	200	5.6	4.4	0.7	0.8	8.3	5.5	1.1	2.4	4.2	3.9	0.6	0.5	6.2	4.7	0.8	1.5
	300	9.3	6.7	1.2	2.6	13.0	8.3	1.7	9.1	7.0	5.9	0.9	1.6	9.9	7.1	1.3	5.6
	[redacted]																
	800	25.2	17.4	3.2	5.7	30.8	20.7	3.9	4.6	18.9	15.3	2.4	3.4	23.1	18.0	2.9	2.8
	1000	29.7	20.5	3.8	3.9	35.6	23.9	4.5	4.4	22.3	18.1	2.8	2.4	26.7	20.9	3.4	2.8
	1200	36.5	25.5	4.6	4.8	43.8	29.3	5.5	6.0	27.0	22.2	3.5	2.9	32.9	25.6	4.2	3.7
20	200					7.1	5.0	0.7	1.2					5.2	4.4	0.6	0.7
	300	7.8	6.2	0.8	1.3	11.4	7.7	1.2	4.7	5.6	5.5	0.6	0.7	8.5	6.7	0.9	2.8
	[redacted]																
	800	21.4	16.1	2.2	2.8	26.3	19.1	2.7	2.3	15.9	14.3	1.6	1.6	19.5	16.8	2.0	1.4
	1000	25.3	19.1	2.6	2.0	30.2	22.1	3.1	2.3	18.9	17.0	1.9	1.2	22.4	19.5	2.3	1.4
	1200	30.6	23.4	3.1	2.4	37.3	27.0	3.8	3.1	22.6	20.7	2.3	1.4	27.6	23.9	2.8	1.8

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 85.0 DB/74.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	12.5	6.2	4.3	18.0	15.2	7.4	5.2	46.5	11.0	5.6	3.8	14.3	13.7	6.7	4.6	38.1
	300									16.6	8.3	5.7	43.8				
	800																
	1000																
	1200																
8	200	11.7	5.8	3.0	9.4	14.7	7.2	3.8	25.5	10.2	5.2	2.6	7.4	13.1	6.5	3.4	20.6
	300	17.8	8.8	4.6	29.1					15.6	7.9	4.0	22.9				
	800					55.5	27.2	14.0	45.1	41.4	20.7	10.4	49.9	49.3	24.5	12.4	36.5
	1000	54.9	27.0	13.8	39.2					48.6	24.3	12.3	31.6				
	1200																
10	200	10.8	5.5	2.2	5.5	14.2	7.0	2.9	15.7	9.3	4.9	1.9	4.3	12.6	6.3	2.6	12.5
	300	16.8	8.4	3.4	17.3					14.5	7.5	3.0	13.4	18.9	9.3	3.9	41.4
	800	44.9	22.2	9.0	38.3	53.4	26.3	10.8	28.3	39.4	19.9	7.9	30.1	47.0	23.6	9.5	22.6
	1000	52.6	26.0	10.6	24.4	62.1	30.6	12.5	24.3	46.2	23.4	9.3	19.4	54.7	27.4	11.0	19.7
	1200	66.3	32.8	13.4	30.4					57.9	29.4	11.7	24.1	67.3	33.6	13.6	28.6
12	200	10.0	5.2	1.7	3.5	13.6	6.7	2.3	10.4	8.4	4.6	1.5	2.6	11.9	6.0	2.0	8.1
	300	15.8	8.0	2.7	11.1	20.6	10.1	3.5	34.6	13.5	7.1	2.3	8.4	18.1	9.0	3.1	27.6
	800	42.8	21.3	7.2	25.1	51.2	25.4	8.6	18.9	37.2	19.1	6.3	19.5	44.6	22.6	7.5	14.8
	1000	50.2	25.0	8.4	16.3	59.5	29.4	10.0	16.7	43.6	22.3	7.3	12.7	51.8	26.3	8.7	13.3
	1200	63.0	31.4	10.6	20.2	73.1	36.1	12.3	24.0	54.6	28.0	9.2	15.8	63.8	32.2	10.7	18.9
16	200	8.3	4.6	1.1	1.5	12.4	6.2	1.6	5.1	6.9	4.1	0.9	1.1	10.5	5.5	1.4	3.8
	300	13.7	7.1	1.8	5.1	19.1	9.4	2.4	17.9	11.2	6.3	1.5	3.6	16.5	8.4	2.1	13.7
	800	38.7	19.6	4.9	12.3	46.4	23.4	5.8	9.5	32.6	17.3	4.1	9.0	39.3	20.6	5.0	7.1
	1000	45.3	23.0	5.7	8.1	53.7	27.0	6.8	8.7	38.2	20.3	4.8	6.0	45.4	23.8	5.7	6.6
	1200	56.5	28.8	7.1	10.1	66.1	33.2	8.3	12.2	47.3	25.3	6.0	7.5	56.0	29.2	7.1	9.1
20	200	6.9	4.1	0.7	0.7	10.9	5.6	1.1	2.7	5.6	3.7	0.6	0.5	9.0	4.9	0.9	1.9
	300	11.5	6.4	1.2	2.5	17.3	8.7	1.8	10.0	9.5	5.7	1.0	1.8	14.4	7.6	1.5	7.2
	800	33.7	17.7	3.4	6.4	40.9	21.2	4.1	5.1	27.2	15.4	2.8	4.3	33.5	18.5	3.4	3.6
	1000	39.6	20.8	4.0	4.3	46.9	24.3	4.7	4.8	31.9	18.1	3.2	3.0	38.3	21.2	3.9	3.4
	1200	48.9	25.9	5.0	5.4	57.9	29.9	5.9	6.6	39.1	22.4	4.0	3.6	47.3	26.1	4.8	4.6

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.6	5.4	3.6	13.5	13.3	6.6	4.5	36.0	8.6	4.6	3.0	9.3	11.1	5.7	3.8	26.0
	300	16.1	8.1	5.5	41.2					13.1	7.0	4.5	28.7				
	800													41.6	21.4	14.0	45.2
	1000									40.9	21.3	13.8	38.8				
	1200																
8	200	9.7	5.1	2.5	6.9	12.7	6.3	3.2	19.4	7.7	4.3	2.0	4.6	10.5	5.4	2.7	13.7
	300	15.0	7.7	3.9	21.5					12.0	6.5	3.1	14.4	15.8	8.1	4.1	45.2
	800	40.0	20.2	10.1	46.9	47.7	23.9	12.0	34.4	32.7	17.3	8.3	32.4	39.1	20.5	9.9	24.9
	1000	46.9	23.7	11.8	29.7					38.2	20.3	9.7	20.7	45.6	23.8	11.5	21.2
	1200									48.0	25.6	12.2	25.7				
10	200	8.9	4.8	1.8	3.9	12.1	6.1	2.5	11.7	6.8	4.0	1.4	2.5	9.8	5.2	2.0	8.0
	300	13.9	7.2	2.9	12.4	18.3	9.1	3.7	39.0	10.9	6.2	2.3	8.0	15.0	7.8	3.1	27.4
	800	37.9	19.3	7.7	28.2	45.4	22.9	9.1	21.2	30.4	16.5	6.2	18.9	36.5	19.6	7.4	14.4
	1000	44.4	22.7	9.0	18.1	52.8	26.6	10.6	18.6	35.6	19.4	7.2	12.3	42.5	22.7	8.6	13.0
	1200	55.8	28.5	11.3	22.5	64.9	32.7	13.1	26.8	44.6	24.3	9.0	15.3	52.3	27.8	10.6	18.5
12	200	8.0	4.5	1.4	2.4	11.5	5.8	2.0	7.6	6.1	3.8	1.1	1.5	9.1	4.9	1.6	4.9
	300	12.9	6.9	2.2	7.7	17.5	8.8	3.0	25.9	9.9	5.8	1.7	4.8	14.1	7.4	2.4	17.6
	800	35.9	18.5	6.0	18.2	42.9	22.0	7.2	13.8	28.0	15.7	4.7	11.6	33.7	18.6	5.7	9.0
	1000	41.8	21.7	7.0	11.8	49.8	25.5	8.4	12.5	32.7	18.3	5.5	7.7	39.1	21.4	6.6	8.3
	1200	52.6	27.3	8.9	14.8	61.4	31.3	10.3	17.7	40.6	23.0	6.9	9.5	48.2	26.3	8.1	11.7
16	200	6.6	4.0	0.9	1.0	10.0	5.3	1.3	3.5	4.8	3.4	0.6	0.6	7.5	4.4	1.0	2.1
	300	10.7	6.1	1.4	3.3	15.8	8.1	2.0	12.7	8.1	5.3	1.1	2.0	12.0	6.7	1.6	7.9
	800	31.0	16.7	3.9	8.2	37.4	19.9	4.7	6.5	22.7	13.9	2.9	4.7	27.9	16.6	3.5	3.9
	1000	36.2	19.6	4.6	5.5	43.1	22.9	5.4	6.1	26.7	16.4	3.4	3.2	32.1	19.1	4.1	3.7
	1200	45.0	24.5	5.7	6.8	53.3	28.2	6.7	8.4	32.7	20.3	4.2	3.9	39.8	23.5	5.0	5.1
20	200	5.3	3.6	0.6	0.5	8.5	4.7	0.9	1.7					6.1	3.9	0.6	0.9
	300	9.0	5.5	0.9	1.6	13.7	7.3	1.4	6.5	6.5	4.8	0.7	0.9	10.0	6.1	1.0	3.8
	800	25.6	14.9	2.6	3.8	31.5	17.8	3.2	3.2	18.1	12.5	1.9	2.1	22.9	14.9	2.3	1.8
	1000	30.1	17.5	3.1	2.7	36.1	20.5	3.7	3.1	21.4	14.8	2.2	1.5	25.7	17.2	2.6	1.8
	1200	36.6	21.6	3.7	3.3	44.6	25.1	4.5	4.2	25.8	18.1	2.6	1.8	31.7	21.0	3.2	2.3

ENTERING AIR 90.0 DB/71.0 WB, 40 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.7	7.3	3.7	13.7	13.2	8.5	4.5	35.6	9.3	6.7	3.2	10.7	11.6	7.8	4.0	28.3
	300	16.2	10.7	5.5	41.6					14.0	9.8	4.8	32.3				
	800																
	1000																
	1200																
8	200	10.0	6.9	2.6	7.1	12.7	8.3	3.2	19.4	8.7	6.4	2.2	5.6	11.1	7.6	2.8	15.1
	300	15.2	10.3	3.9	21.8					13.2	9.5	3.4	17.0	16.6	11.1	4.3	49.4
	800	40.2	26.7	10.1	47.3	47.7	31.4	12.0	34.5	34.9	24.4	8.8	36.5	41.6	28.7	10.5	27.1
	1000	47.2	31.4	11.9	30.0	55.5	36.4	14.0	29.3	40.9	28.7	10.3	23.3	48.4	33.3	12.2	23.4
	1200									51.5	36.2	13.0	29.0				
10	200	9.4	6.7	1.9	4.3	12.2	8.0	2.5	11.8	8.1	6.2	1.7	3.4	10.6	7.4	2.2	9.2
	300	14.3	9.9	2.9	13.0	18.2	11.9	3.7	39.0	12.5	9.2	2.6	10.2	15.9	10.9	3.3	30.6
	800	38.3	25.9	7.7	28.6	45.7	30.5	9.2	21.4	32.9	23.6	6.7	21.8	39.5	27.8	8.0	16.6
	1000	44.9	30.4	9.1	18.5	53.1	35.3	10.7	18.7	38.6	27.8	7.8	14.2	46.0	32.3	9.3	14.8
	1200	56.5	38.3	11.4	23.0	65.2	43.2	13.1	27.0	48.4	34.9	9.8	17.6	56.5	39.5	11.4	21.1
12	200	8.8	6.5	1.5	2.8	11.6	7.8	2.0	7.7	7.6	6.0	1.3	2.1	10.1	7.1	1.7	5.9
	300	13.6	9.6	2.3	8.5	17.6	11.6	3.0	26.1	11.8	9.0	2.0	6.6	15.3	10.6	2.6	20.4
	800	36.3	25.0	6.1	18.6	43.5	29.5	7.3	14.2	31.2	23.0	5.3	14.1	37.5	27.0	6.3	10.9
	1000	42.5	29.4	7.2	12.2	50.5	34.2	8.5	12.7	36.6	27.1	6.2	9.3	43.6	31.4	7.3	10.0
	1200	53.3	36.9	9.0	15.2	62.1	41.8	10.4	18.0	45.5	33.8	7.7	11.5	53.6	38.4	9.0	14.0
16	200	7.7	6.1	1.0	1.3	10.6	7.4	1.4	3.8	6.5	5.7	0.9	1.0	9.0	6.8	1.2	2.8
	300	12.2	9.1	1.6	4.1	16.3	11.0	2.1	13.5	10.5	8.5	1.4	3.2	14.0	10.1	1.8	10.3
	800	32.6	23.6	4.1	9.0	39.4	27.8	5.0	7.1	27.7	21.7	3.5	6.7	33.5	25.5	4.2	5.3
	1000	38.4	27.8	4.9	6.1	45.7	32.2	5.8	6.7	32.6	25.7	4.1	4.6	38.9	29.6	4.9	5.1
	1200	47.5	34.6	6.0	7.5	56.2	39.5	7.1	9.2	40.1	31.7	5.1	5.6	47.9	36.3	6.1	7.0
20	200	6.6	5.7	0.7	0.7	9.5	6.9	1.0	2.1	5.5	5.3	0.6	0.5	8.1	6.4	0.8	1.5
	300	10.9	8.6	1.1	2.2	14.9	10.5	1.5	7.6	9.2	8.0	1.0	1.7	12.7	9.6	1.3	5.7
	800	29.1	22.2	2.9	4.9	35.5	26.3	3.6	4.0	24.6	20.7	2.5	3.6	29.9	24.2	3.0	2.9
	1000	34.3	26.3	3.5	3.4	41.0	30.5	4.1	3.9	29.1	24.5	3.0	2.5	34.7	28.2	3.5	2.9
	1200	42.0	32.4	4.3	4.1	50.3	37.2	5.1	5.1	35.4	30.0	3.6	3.1	42.6	34.5	4.3	3.9

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.0	6.6	3.1	10.0	11.2	7.6	3.8	26.5	7.3	5.9	2.5	7.0	9.1	6.8	3.1	18.3
	300	13.5	9.6	4.6	30.1					11.1	8.7	3.8	21.2				
	800									28.6	22.0	9.6	43.1	34.2	26.7	11.5	32.0
	1000									33.6	25.9	11.3	27.5	40.0	29.9	13.5	27.5
	1200																
8	200	8.4	6.3	2.2	5.3	10.7	7.4	2.7	14.2	6.8	5.8	1.8	3.7	8.7	6.6	2.2	9.7
	300	12.7	9.3	3.3	16.0	16.0	10.9	4.1	46.3	10.4	8.4	2.7	11.1	13.0	9.7	3.4	32.2
	800	33.5	23.8	8.5	33.9	40.0	28.0	10.1	25.3	28.6	21.3	6.8	22.6	32.2	25.0	8.1	17.2
	1000	39.3	28.0	9.9	21.7	46.6	32.5	11.8	21.9	31.5	25.2	8.0	14.8	37.7	29.1	9.5	16.4
	1200	49.4	35.3	12.5	27.0					39.2	31.4	10.0	18.2	46.3	35.6	11.7	22.1
10	200	7.8	6.1	1.6	3.1	10.2	7.2	2.1	8.5	6.3	5.6	1.3	2.2	8.2	6.4	1.7	5.7
	300	12.0	9.0	2.5	9.5	15.4	10.6	3.2	28.7	9.8	8.2	2.0	6.6	12.4	9.5	2.6	19.7
	800	31.6	23.1	6.4	20.2	38.0	27.2	7.7	15.4	25.4	20.9	5.1	13.5	30.3	24.3	6.1	10.4
	1000	37.1	27.2	7.5	13.2	44.2	31.6	8.9	13.9	29.8	24.6	6.1	9.0	35.5	28.4	7.2	9.6
	1200	46.4	34.1	9.4	16.4	54.4	38.7	11.0	19.8	36.8	30.5	7.5	11.0	43.6	34.7	8.8	13.5
12	200	7.3	5.9	1.3	2.0	9.7	7.0	1.7	5.5	5.8	5.4	1.0	1.4	7.7	6.3	1.3	3.7
	300	11.4	8.8	2.0	6.2	14.7	10.4	2.5	19.1	9.1	8.0	1.6	4.2	11.8	9.3	2.0	12.9
	800	29.9	22.5	5.0	13.1	35.9	26.4	6.1	10.1	23.9	20.4	4.0	8.7	28.6	23.7	4.8	6.8
	1000	35.1	26.5	5.9	8.7	41.9	30.7	7.1	9.3	28.1	24.1	4.8	5.9	33.4	27.7	5.6	6.5
	1200	43.6	33.0	7.4	10.7	51.5	37.6	8.7	13.1	34.5	29.7	5.9	7.2	41.1	33.9	7.0	8.9
16	200	6.2	5.6	0.8	0.9	8.6	6.6	1.1	2.6	4.9	4.9	0.6	0.6	6.9	6.0	0.9	1.7
	300	10.0	8.3	1.3	2.9	13.4	9.9	1.7	9.5	7.9	7.6	1.0	1.9	10.7	8.9	1.4	6.4
	800	26.5	21.3	3.4	6.2	32.0	25.0	4.1	4.9	21.2	19.5	2.7	4.1	25.6	22.7	3.2	3.3
	1000	31.3	25.2	4.0	4.2	37.3	29.0	4.7	4.9	25.1	23.1	3.2	2.9	29.8	26.5	3.8	3.3
	1200	38.3	31.1	4.9	5.2	45.8	35.6	5.8	6.5	30.4	28.3	3.9	3.5	36.6	32.4	4.7	4.4
20	200	5.3	5.3	0.6	0.5	7.7	6.3	0.8	1.4					6.1	5.7	0.6	0.9
	300	8.8	7.9	0.9	1.5	12.1	9.4	1.3	5.3	6.7	6.7	0.7	1.0	9.6	8.5	1.0	3.5
	800	23.6	20.3	2.4	3.3	28.7	23.7	2.9	2.7	18.5	18.5	1.9	2.2	22.8	21.7	2.3	1.8
	1000	27.9	24.1	2.8	2.3	33.2	27.7	3.4	2.7	22.4	22.4	2.3	1.6	26.5	25.5	2.7	1.9
	1200	33.8	29.4	3.4	2.8	40.8	33.8	4.1	3.6	26.9	26.9	2.7	1.9	32.5	31.1	3.3	2.4

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

[redacted]

COOLING CAPACITIES

ENTERING AIR 90.0 DB/75.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	13.1	7.0	4.4	19.3	15.8	8.3	5.4	49.6	11.6	6.4	3.9	15.6	14.2	7.6	4.8	41.0
	300									17.4	9.5	5.9	47.5				
	[redacted]																
	800																
	1000																
	1200																
8	200	12.2	6.7	3.1	10.2	15.3	8.1	3.9	27.3	10.7	6.1	2.7	8.1	13.7	7.4	3.5	22.3
	300	18.5	10.0	4.7	31.3					16.3	9.1	4.2	25.0				
	[redacted]																
	800													51.5	28.0	13.0	39.4
	1000									50.8	27.9	12.8	34.2				
	1200																
10	200	11.4	6.4	2.3	6.0	14.8	7.9	3.0	16.9	9.8	5.8	2.0	4.7	13.1	7.2	2.7	13.6
	300	17.5	9.6	3.6	18.8					15.3	8.7	3.1	14.7	19.7	10.6	4.0	44.7
	[redacted]																
	800	46.8	25.2	9.4	41.3	55.6	29.8	11.2	30.3	41.2	22.9	8.3	32.8	49.2	27.1	9.9	24.5
	1000	54.8	29.6	11.1	26.3	64.6	34.5	13.0	25.9	48.4	26.9	9.8	21.1	57.3	31.4	11.6	21.3
	1200	69.1	37.3	13.9	32.6					60.8	33.9	12.3	26.2				
12	200	10.6	6.0	1.8	3.8	14.2	7.6	2.4	11.2	9.0	5.5	1.5	2.9	12.5	6.9	2.1	8.9
	300	16.5	9.2	2.8	12.0	21.4	11.4	3.6	37.1	14.3	8.3	2.4	9.3	19.0	10.3	3.2	30.0
	[redacted]																
	800	44.7	24.3	7.5	27.2	53.4	28.8	9.0	20.4	39.2	22.1	6.6	21.3	46.9	26.1	7.9	16.2
	1000	52.5	28.6	8.8	17.6	62.0	33.4	10.4	17.9	45.8	25.9	7.7	13.8	54.5	30.3	9.2	14.4
	1200	65.8	35.9	11.1	21.8	76.2	41.0	12.8	25.8	57.5	32.6	9.7	17.3	67.0	37.2	11.3	20.6
16	200	9.0	5.5	1.2	1.7	13.0	7.1	1.7	5.5	7.7	5.0	1.0	1.3	11.2	6.4	1.4	4.2
	300	14.4	8.4	1.9	5.6	19.9	10.7	2.5	19.3	12.4	7.6	1.6	4.2	17.4	9.7	2.2	15.1
	[redacted]																
	800	40.6	22.7	5.1	13.4	48.7	26.9	6.1	10.3	34.6	20.4	4.4	10.0	41.6	24.1	5.2	7.8
	1000	47.5	26.6	6.0	8.9	56.3	31.0	7.1	9.4	40.5	23.9	5.1	6.7	48.1	27.8	6.1	7.3
	1200	59.4	33.3	7.5	11.0	69.3	38.1	8.7	13.2	50.4	29.9	6.4	8.3	59.4	34.2	7.5	10.1
20	200	7.7	5.0	0.8	0.9	11.6	6.6	1.2	3.0	6.4	4.6	0.7	0.6	9.8	5.9	1.0	2.2
	300	12.7	7.8	1.3	2.9	18.2	10.0	1.9	11.0	10.7	7.1	1.1	2.2	15.5	9.0	1.6	8.2
	[redacted]																
	800	35.7	20.8	3.6	7.1	43.3	24.7	4.4	5.6	29.7	18.7	3.0	5.0	36.4	22.2	3.7	4.1
	1000	41.8	24.4	4.2	4.8	49.8	28.5	5.0	5.3	34.9	22.0	3.5	3.5	41.9	25.7	4.2	4.0
	1200	51.8	30.5	5.2	5.9	61.4	35.0	6.2	7.3	42.8	27.3	4.3	4.2	51.7	31.5	5.2	5.4

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	11.2	6.3	3.8	14.6	13.8	7.5	4.7	38.9	9.1	5.5	3.1	10.3	11.7	6.6	4.0	28.5
	300	16.8	9.3	5.8	44.8					13.9	8.2	4.8	31.8				
	[redacted]																
	800																
	1000																
	1200																
8	200	10.3	5.9	2.6	7.5	13.3	7.2	3.4	21.1	8.3	5.2	2.1	5.2	11.1	6.4	2.8	15.1
	300	15.8	8.9	4.1	23.4					12.8	7.8	3.3	16.1	16.6	9.4	4.3	49.7
	[redacted]																
	800					49.9	27.4	12.6	37.3	34.6	20.4	8.7	35.9	41.4	24.0	10.4	26.8
	1000	49.2	27.2	12.4	32.2					40.5	23.9	10.2	22.9	48.3	27.9	12.2	23.2
	1200									50.9	30.1	12.9	28.4				
10	200	9.4	5.6	1.9	4.3	12.7	7.0	2.6	12.8	7.5	5.0	1.6	2.9	10.4	6.1	2.1	8.9
	300	14.7	8.5	3.0	13.7	19.1	10.4	3.9	42.3	11.8	7.4	2.4	9.2	15.8	9.1	3.3	30.3
	[redacted]																
	800	39.8	22.4	8.0	30.8	47.6	26.4	9.6	23.0	32.4	19.6	6.6	21.2	38.8	23.1	7.8	16.0
	1000	46.7	26.3	9.4	19.8	55.4	30.7	11.2	20.1	37.8	22.9	7.6	13.6	45.2	26.7	9.1	14.4
	1200	58.6	33.0	11.8	24.6	68.1	37.6	13.7	29.2	47.5	28.9	9.6	17.1	55.6	32.8	11.2	20.6
12	200	8.7	5.4	1.5	2.7	12.1	6.7	2.1	8.3	6.9	4.8	1.2	1.8	9.7	5.9	1.7	5.6
	300	13.6	8.1	2.3	8.6	18.4	10.1	3.1	28.2	10.9	7.2	1.9	5.8	15.0	8.8	2.6	19.6
	[redacted]																
	800	37.7	21.5	6.3	19.9	45.2	25.5	7.6	15.1	30.0	18.7	5.1	13.1	36.1	22.1	6.1	10.2
	1000	44.1	25.3	7.4	12.9	52.5	29.5	8.8	13.6	35.0	22.0	5.9	8.6	41.9	25.6	7.1	9.4
	1200	55.2	31.7	9.3	16.1	64.6	36.2	10.9	19.3	43.7	27.6	7.4	10.7	51.7	31.4	8.7	13.2
16	200	7.3	4.9	1.0	1.2	10.7	6.2	1.4	3.9	5.7	4.4	0.7	0.8	8.4	5.4	1.1	2.5
	300	11.8	7.5	1.5	3.9	16.7	9.4	2.1	14.0	9.4	6.7	1.2	2.6	13.2	8.2	1.7	9.3
	[redacted]																
	800	32.9	19.8	4.2	9.2	39.8	23.4	5.0	7.2	25.4	17.3	3.2	5.7	31.0	20.4	3.9	4.7
	1000	38.6	23.2	4.9	6.1	46.1	27.1	5.8	6.8	29.9	20.4	3.8	3.9	36.0	23.7	4.6	4.5
	1200	47.9	29.0	6.1	7.6	56.8	33.2	7.2	9.4	36.6	25.2	4.6	4.8	44.4	29.0	5.6	6.1
20	200	6.1	4.5	0.6	0.6	9.3	5.7	1.0	2.0					7.1	5.0	0.7	1.2
	300	10.2	6.9	1.1	2.0	14.8	8.7	1.5	7.6	7.9	6.2	0.8	1.3	11.5	7.6	1.2	4.8
	[redacted]																
	800	28.2	18.2	2.9	4.6	34.6	21.6	3.5	3.8	21.5	16.1	2.2	2.8	26.4	18.9	2.7	2.3
	1000	33.2	21.4	3.4	3.2	39.9	25.0	4.0	3.7	25.3	19.0	2.6	2.0	30.4	22.0	3.1	2.4
	1200	40.6	26.5	4.1	3.9	49.2	30.7	5.0	4.9	30.6	23.3	3.1	2.4	37.4	26.9	3.8	3.1

ENTERING AIR 90.0 DB/78.5 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	15.3	6.8	5.2	25.4					13.7	6.2	4.7	21.1				
	300																
	[redacted]																
	800																
	1000																
	1200																
8	200	14.4	6.5	3.7	13.6	17.8	7.9	4.5	36.0	12.8	5.9	3.3	11.1	16.2	7.3	4.1	30.3
	300	21.7	9.7	5.5	41.7					19.5	8.8	5.0	34.3				
	[redacted]																
	800																
	1000																
	1200																
10	200	13.5	6.1	2.8	8.2	17.2	7.7	3.5	22.4	11.9	5.5	2.4	6.6	15.6	7.0	3.2	18.7
	300	20.7	9.3	4.2	25.3					18.4	8.4	3.8	20.5				
	[redacted]																
	800					64.8	29.1	13.0	39.9	49.2	22.3	9.9	45.3	58.5	26.5	11.8	33.3
	1000	64.2	28.8	12.9	34.7					57.7	26.2	11.6	28.7	68.2	30.8	13.7	28.4
	1200																
12	200	12.7	5.8	2.2	5.3	16.7	7.5	2.8	15.0	11.1	5.2	1.9	4.1	15.0	6.8	2.5	12.4
	300	19.6	8.9	3.3	16.5	25.0	11.2	4.2	48.9	17.3	8.0	3.0	13.1	22.6	10.2	3.8	40.9
	[redacted]																
	800	52.7	23.7	8.8	36.7	62.7	28.2	10.5	27.1	47.0	21.5	7.9	29.8	56.2	25.5	9.4	22.3
	1000	61.8	27.8	10.4	23.5	72.9	32.7	12.2	23.4	55.0	25.2	9.2	19.1	65.4	29.7	11.0	19.5
	1200	77.8	35.0	13.1	29.1					69.2	31.7	11.6	23.8	80.4	36.4	13.5	28.3
16	200	10.9	5.2	1.4	2.4	15.5	7.0	2.0	7.7	9.2	4.6	1.2	1.8	13.7	6.3	1.7	6.1
	300	17.5	8.1	2.2	7.9	23.6	10.6	3.0	26.1	15.1	7.2	1.9	6.0	21.0	9.5	2.7	21.3
	[redacted]																
	800	48.4	22.0	6.1	18.5	58.0	26.2	7.3	14.1	42.6	19.8	5.4	14.6	51.0	23.6	6.4	11.2
	1000	56.7	25.8	7.1	12.1	67.3	30.4	8.5	12.7	49.8	23.2	6.3	9.6	59.2	27.3	7.5	10.2
	1200	71.0	32.3	8.9	15.0	82.8	37.4	10.4	18.0	62.2	29.1	7.9	12.0	72.9	33.6	9.2	14.4
20	200	9.1	4.6	0.9	1.2	14.1	6.4	1.4	4.2	7.6	4.1	0.8	0.9	12.1	5.7	1.2	3.2
	300	15.3	7.3	1.6	4.1	21.9	9.9	2.2	15.3	12.7	6.5	1.3	2.9	19.2	8.8	2.0	12.0
	[redacted]																
	800	43.8	20.3	4.4	10.2	52.7	24.2	5.3	8.0	37.4	18.0	3.8	7.7	45.2	21.5	4.6	6.1
	1000	51.3	23.8	5.2	6.8	60.9	27.9	6.1	7.4	43.7	21.1	4.4	5.1	52.0	24.7	5.2	5.7
	1200	63.9	29.7	6.4	8.5	75.1	34.4	7.6	10.3	54.1	26.3	5.5	6.4	64.2	30.4	6.5	7.8

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	13.3	6.1	4.5	20.0					11.3	5.3	3.8	14.8	14.1	6.4	4.8	40.5
	300									17.1	7.9	5.8	45.8				
	[redacted]																
	800																
	1000																
	1200																
8	200	12.4	5.7	3.2	10.5	15.8	7.1	4.0	28.8	10.3	5.0	2.6	7.6	13.5	6.2	3.5	21.8
	300	18.9	8.6	4.8	32.5					15.9	7.5	4.1	23.8				
	[redacted]																
	800													50.6	23.4	12.7	38.3
	1000									49.8	23.2	12.5	32.9				
	1200																
10	200	11.5	5.4	2.4	6.2	15.2	6.8	3.1	17.7	9.4	4.7	1.9	4.3	12.9	6.0	2.6	13.2
	300	17.8	8.2	3.7	19.4					14.7	7.1	3.0	13.8	19.4	8.9	4.0	43.7
	[redacted]																
	800	47.8	21.8	9.6	42.9	56.9	25.8	11.4	31.6	40.2	19.0	8.1	31.3	48.1	22.5	9.7	23.5
	1000	56.0	25.5	11.3	27.2	66.3	30.0	13.3	27.0	47.0	22.2	9.5	20.0	56.1	26.2	11.3	20.5
	1200									59.1	28.0	11.9	24.9	69.0	32.1	13.9	29.9
12	200	10.6	5.1	1.8	3.9	14.6	6.6	2.5	11.7	8.5	4.4	1.5	2.6	12.2	5.7	2.1	8.4
	300	16.7	7.8	2.9	12.3	22.0	9.9	3.7	38.9	13.6	6.7	2.3	8.5	18.6	8.6	3.2	28.9
	[redacted]																
	800	45.6	20.9	7.7	28.1	54.5	24.9	9.1	21.1	37.9	18.2	6.4	20.1	45.4	21.5	7.6	15.3
	1000	53.3	24.5	9.0	18.1	63.4	28.9	10.6	18.5	44.3	21.3	7.5	13.1	52.8	25.0	8.9	13.7
	1200	67.0	30.8	11.3	22.5	78.0	35.5	13.1	26.8	55.4	26.7	9.3	16.2	65.1	30.7	10.9	19.6
16	200	8.8	4.5	1.1	1.7	13.2	6.1	1.7	5.7	6.8	3.9	0.9	1.1	10.6	5.2	1.4	3.8
	300	14.5	7.0	1.9	5.6	20.4	9.3	2.6	20.1	11.2	6.0	1.5	3.6	16.7	7.9	2.1	14.1
	[redacted]																
	800	41.0	19.2	5.2	13.6	49.2	22.9	6.2	10.5	32.6	16.4	4.1	9.0	39.4	19.5	5.0	7.1
	1000	47.9	22.6	6.0	9.0	57.0	26.5	7.2	9.6	38.0	19.2	4.8	6.0	45.5	22.5	5.7	6.6
	1200	59.8	28.2	7.5	11.2	70.3	32.6	8.9	13.6	47.2	24.0	6.0	7.4	56.2	27.7	7.1	9.2
20	200	7.2	4.0	0.8	0.8	11.6	5.5	1.2	3.0	5.4	3.5	0.6	0.5	8.9	4.6	0.9	1.8
	300	12.1	6.3	1.3	2.7	18.4	8.5	1.9	11.1	9.3	5.5	1.0	1.7	14.3	7.1	1.5	7.1
	[redacted]																
	800	35.7	17.4	3.6	7.0	43.3	20.8	4.4	5.6	26.6	14.6	2.7	4.1	32.8	17.4	3.3	3.4
	1000	41.7	20.4	4.2	4.7	49.7	23.9	5.0	5.3	31.2	17.2	3.2	2.8	37.6	20.1	3.8	3.3
	1200	51.5	25.4	5.2	5.8	61.4	29.4	6.2	7.2	38.0	21.2	3.9	3.5	46.5	24.7	4.7	4.5

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

[redacted]

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 95.0 DB/75.0 WB, 40 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
6	200	13.0	7.9	4.4	19.1	15.7	9.3	5.3	49.0	11.5	7.3	3.9	15.4	14.1	8.6	4.8	40.5
	300									17.3	10.8	5.9	46.9				
	[redacted]																
	800																
	1000																
	1200																
8	200	12.1	7.6	3.1	10.1	15.2	9.0	3.9	27.0	10.6	7.0	2.7	8.0	13.6	8.3	3.5	22.0
	300	18.4	11.3	4.7	31.0					16.2	10.4	4.2	24.7				
	[redacted]																
	800													51.1	31.6	12.9	38.9
	1000									50.5	31.6	12.7	33.8				
	1200																
10	200	11.3	7.3	2.3	6.0	14.7	8.8	3.0	16.7	9.9	6.7	2.0	4.8	13.0	8.1	2.7	13.4
	300	17.4	10.9	3.6	18.5					15.2	10.0	3.1	14.5	19.6	12.0	4.0	44.2
	[redacted]																
	800	46.5	28.4	9.4	40.8	55.2	33.4	11.1	29.9	41.0	26.1	8.3	32.4	48.9	30.7	9.9	24.2
	1000	54.5	33.3	11.0	26.0	64.1	38.7	12.9	25.6	48.1	30.7	9.7	20.8	56.9	35.6	11.5	21.0
	1200	68.6	42.0	13.8	32.2					60.4	38.6	12.2	25.9				
12	200	10.6	7.0	1.8	3.8	14.1	8.6	2.4	11.1	9.3	6.5	1.6	3.1	12.4	7.9	2.1	8.8
	300	16.4	10.5	2.8	11.9	21.2	12.7	3.6	36.6	14.4	9.7	2.5	9.4	18.9	11.7	3.2	29.6
	[redacted]																
	800	44.4	27.5	7.5	26.9	53.0	32.4	8.9	20.1	38.9	25.3	6.5	21.1	46.6	29.8	7.8	16.0
	1000	52.1	32.3	8.8	17.4	61.6	37.6	10.3	17.7	45.5	29.7	7.7	13.7	54.1	34.4	9.1	14.3
	1200	65.4	40.6	11.0	21.6	75.7	46.0	12.7	25.5	57.1	37.3	9.6	17.1	66.5	42.2	11.2	20.4
16	200	9.4	6.5	1.2	1.8	12.9	8.1	1.7	5.5	8.1	6.1	1.0	1.4	11.3	7.4	1.4	4.3
	300	14.8	9.9	1.9	5.8	19.8	12.1	2.5	19.1	12.9	9.2	1.7	4.6	17.4	11.1	2.2	15.1
	[redacted]																
	800	40.3	25.8	5.1	13.3	48.3	30.5	6.1	10.2	34.7	23.8	4.4	10.1	41.9	28.0	5.3	7.9
	1000	47.3	30.3	6.0	8.8	56.0	35.2	7.1	9.3	40.7	27.9	5.1	6.8	48.6	32.4	6.1	7.4
	1200	58.9	38.0	7.4	10.9	68.9	43.2	8.7	13.1	50.5	34.9	6.4	8.4	59.9	39.8	7.6	10.3
20	200	8.2	6.2	0.8	1.0	11.7	7.6	1.2	3.0	7.0	5.8	0.7	0.7	10.1	7.0	1.0	2.3
	300	13.3	9.3	1.4	3.2	18.3	11.5	1.9	11.0	11.5	8.7	1.2	2.5	15.9	10.5	1.6	8.5
	[redacted]																
	800	36.0	24.3	3.6	7.2	43.7	28.7	4.4	5.7	30.8	22.4	3.1	5.4	37.5	26.4	3.8	4.4
	1000	42.4	28.6	4.3	4.9	50.5	33.2	5.1	5.4	36.3	26.5	3.7	3.7	43.5	30.7	4.4	4.2
	1200	52.3	35.5	5.3	6.0	62.3	40.7	6.3	7.4	44.5	32.7	4.5	4.5	53.5	37.5	5.4	5.7

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
6	200	11.1	7.2	3.8	14.5	13.7	8.4	4.7	38.4	9.2	6.5	3.2	10.4	11.6	7.5	4.0	28.2
	300	16.7	10.6	5.7	44.2					13.8	9.5	4.8	31.5				
	[redacted]																
	800																
	1000																
	1200																
8	200	10.3	6.9	2.6	7.5	13.2	8.2	3.4	20.8	8.5	6.3	2.2	5.5	11.0	7.3	2.8	14.9
	300	15.7	10.2	4.0	23.2					13.0	9.2	3.4	16.6	16.5	10.7	4.2	49.0
	[redacted]																
	800	41.7	26.4	10.5	50.4	49.5	31.0	12.5	36.8	34.3	23.6	8.7	35.4	41.1	27.7	10.4	26.4
	1000	48.8	31.0	12.3	31.9					40.1	27.6	10.1	22.6	47.9	32.1	12.1	22.9
	1200									50.5	34.8	12.8	28.0				
10	200	9.6	6.6	2.0	4.5	12.6	7.9	2.6	12.6	7.9	6.1	1.6	3.2	10.4	7.1	2.1	8.9
	300	14.7	9.8	3.0	13.7	19.0	11.7	3.9	41.7	12.3	9.0	2.5	9.9	15.8	10.5	3.2	30.1
	[redacted]																
	800	39.6	25.5	8.0	30.4	47.3	30.0	9.5	22.7	32.3	22.9	6.6	21.1	38.8	26.8	7.8	16.0
	1000	46.4	30.0	9.4	19.6	55.0	34.8	11.1	19.9	37.8	26.9	7.6	13.7	45.3	31.2	9.1	14.4
	1200	58.2	37.8	11.8	24.3	67.6	42.6	13.6	28.8	47.3	33.7	9.6	16.9	55.7	38.1	11.3	20.6
12	200	9.0	6.4	1.5	2.9	12.0	7.7	2.0	8.2	7.4	5.9	1.3	2.0	9.9	6.9	1.7	5.7
	300	13.9	9.5	2.4	8.9	18.2	11.4	3.1	27.9	11.5	8.7	2.0	6.3	15.1	10.2	2.6	19.9
	[redacted]																
	800	37.4	24.7	6.3	19.6	44.9	29.1	7.5	15.0	30.4	22.2	[illegible]	[illegible]	36.6	26.1	6.2	10.4
	1000	43.8	29.0	7.4	12.8	52.1	33.7	8.8	13.4	35.7	26.2	6.0	8.9	42.7	30.3	7.2	9.6
	1200	54.8	36.4	9.2	15.9	64.1	41.3	10.8	19.1	44.2	32.6	7.5	11.0	52.5	37.1	8.8	13.5
16	200	7.8	6.0	1.0	1.3	10.8	7.3	1.4	4.0	6.3	5.6	0.8	0.9	8.8	6.5	1.1	2.7
	300	12.5	9.0	1.6	4.3	16.8	10.9	2.2	14.2	10.1	8.3	1.3	3.0	13.6	9.7	1.8	9.8
	[redacted]																
	800	33.4	23.3	4.2	9.4	40.3	27.4	5.1	7.4	26.8	21.1	3.4	6.3	32.5	24.7	4.1	5.1
	1000	39.2	27.4	5.0	6.3	46.8	31.8	5.9	6.9	31.6	24.9	4.0	4.3	37.8	28.7	4.8	4.9
	1200	48.5	34.1	6.1	7.8	57.6	38.9	7.3	9.6	38.7	30.8	4.9	5.3	46.4	35.1	5.9	6.6
20	200	6.7	5.7	0.7	0.7	9.7	6.9	1.0	2.1	5.3	5.3	0.6	0.5	7.8	6.2	0.8	1.4
	300	11.0	8.6	1.1	2.3	15.2	10.3	1.6	8.0	8.8	7.9	0.9	1.5	12.2	9.3	1.3	5.4
	[redacted]																
	800	29.6	22.0	3.0	5.0	36.0	25.9	3.6	4.1	23.7	20.2	2.4	3.4	28.8	23.5	2.9	2.7
	1000	34.8	26.0	3.5	3.4	41.7	30.1	4.2	4.0	28.0	23.9	2.8	2.4	33.4	27.4	3.4	2.8
	1200	42.6	32.1	4.3	4.2	51.4	36.8	5.2	5.3	33.9	29.2	3.5	2.8	41.2	33.6	4.2	3.6

ENTERING AIR 95.0 DB/79.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
6	200	15.5	7.7	5.3	26.1					14.0	7.1	4.8	21.7				
	300																
	[redacted]																
	800																
	1000																
	1200																
8	200	14.6	7.3	3.7	14.0	18.0	8.9	4.6	36.9	13.1	6.8	3.3	11.5	16.4	8.2	4.2	31.1
	300	22.1	11.0	5.6	42.9					19.8	10.1	5.1	35.4				
	[redacted]																
	800																
	1000																
	1200																
10	200	13.7	7.0	2.8	8.4	17.5	8.6	3.6	23.0	12.2	6.4	2.5	6.8	15.9	7.9	3.2	19.2
	300	21.0	10.5	4.3	26.0					18.8	9.7	3.8	21.2				
	[redacted]																
	800					65.8	32.6	13.2	40.9	50.1	25.4	10.1	46.7	59.5	30.0	12.0	34.2
	1000	65.1	32.4	13.1	35.6					58.7	29.8	11.8	29.6	69.3	34.8	13.9	29.1
	1200																
12	200	12.9	6.7	2.2	5.4	16.9	8.4	2.9	15.4	11.3	6.1	1.9	4.3	15.3	7.7	2.6	12.8
	300	20.0	10.1	3.4	17.0	25.3	12.5	4.3	50.2	17.7	9.3	3.0	13.6	23.0	11.5	3.9	42.1
	[redacted]																
	800	53.6	26.8	9.0	37.8	63.6	31.7	10.7	27.8	47.9	24.5	8.0	30.8	57.2	29.0	9.6	23.0
	1000	62.8	31.4	10.5	24.1	74.0	36.8	12.4	24.0	56.1	28.8	9.4	19.8	66.5	33.7	11.2	20.1
	1200	79.0	39.6	13.3	29.9					70.5	36.2	11.8	24.6	81.8	41.3	13.7	29.1
16	200	11.2	6.1	1.4	2.5	15.8	7.9	2.0	7.9	9.6	5.6	1.2	1.9	14.0	7.2	1.8	6.3
	300	17.9	9.3	2.3	8.2	23.9	11.9	3.0	26.8	15.4	8.5	2.0	6.3	21.4	10.8	2.7	22.0
	[redacted]																
	800	49.2	25.1	6.2	19.1	59.0	29.8	7.4	14.5	43.5	22.9	5.5	15.2	52.1	27.1	6.6	11.7
	1000	57.7	29.4	7.3	12.5	68.5	34.5	8.6	13.0	50.9	26.9	6.4	10.0	60.4	31.4	7.6	10.6
	1200	72.2	36.9	9.1	15.5	84.2	42.3	10.6	18.5	63.5	33.7	8.0	12.4	74.4	38.5	9.4	15.0
20	200	9.6	5.6	1.0	1.3	14.4	7.4	1.5	4.4	8.2	5.1	0.8	1.0	12.4	6.6	1.3	3.4
	300	15.6	8.5	1.6	4.2	22.3	11.2	2.3	15.8	13.5	7.9	1.4	3.3	19.6	10.1	2.0	12.4
	[redacted]																
	800	44.7	[illegible]	[illegible]	10.6	[illegible]	27.7	5.4	8.3	38.3	21.1	3.9	8.0	46.3	25.0	4.7	6.3
	1000	52.3	27.4	5.3	7.1	62.1	32.0	6.3	7.7	44.8	24.7	4.5	5.4	53.3	28.8	5.4	5.9
	1200	65.2	34.3	6.6	8.8	76.6	39.3	7.7	10.6	55.5	30.9	5.6	6.6	65.9	35.4	6.6	8.2

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
6	200	13.6	6.9	4.6	20.7					11.5	6.2	3.9	15.5	14.4	7.4	4.9	41.9
	300									17.4	9.2	5.9	47.5				
	[redacted]																
	800																
	1000																
	1200																
8	200	12.7	6.6	3.2	10.9	16.0	8.0	4.1	29.7	10.6	5.9	2.7	7.9	13.8	7.1	3.5	22.6
	300	19.3	9.9	4.9	33.6					16.3	8.8	4.2	24.7				
	[redacted]																
	800													51.6	26.9	13.0	39.7
	1000									50.8	26.8	12.8	34.1				
	1200																
10	200	11.8	6.3	2.4	6.4	15.4	7.8	3.1	18.3	9.6	5.6	2.0	4.5	13.2	6.9	2.7	13.7
	300	18.2	9.5	3.7	20.0					15.1	8.4	3.1	14.4	19.8	10.2	4.1	45.2
	[redacted]																
	800	48.6	24.8	9.8	44.3	57.8	29.3	11.6	32.6	41.1	22.1	8.3	32.6	49.1	26.0	9.9	24.4
	1000	57.0	29.1	11.5	28.1	67.4	34.0	13.6	27.8	48.0	25.9	9.7	20.8	57.3	30.2	11.5	21.3
	1200									60.4	32.6	12.2	25.9				
12	200	10.9	6.0	1.9	4.0	14.8	7.5	2.5	12.1	8.8	5.3	1.5	2.8	12.5	6.6	2.1	8.8
	300	17.1	9.1	2.9	12.8	22.3	11.2	3.8	40.1	14.0	8.0	2.4	8.9	19.0	9.9	3.2	30.1
	[redacted]																
	800	46.4	24.0	7.8	29.1	55.5	28.4	9.3	21.8	38.8	21.3	6.5	21.0	46.4	25.1	7.8	15.9
	1000	54.3	28.1	9.1	18.7	64.6	32.9	10.8	19.1	45.2	24.9	7.6	13.5	54.1	29.1	9.1	14.3
	1200	68.3	35.4	11.5	23.2	79.4	40.4	13.3	27.7	56.8	31.4	9.6	16.9	66.6	35.7	11.2	20.4
16	200	9.2	5.4	1.2	1.8	13.5	7.0	1.7	5.9	7.4	4.9	1.0	1.2	10.9	6.1	1.4	4.1
	300	14.8	8.3	1.9	5.8	20.8	10.6	2.6	20.8	12.0	7.4	1.6	4.0	17.1	9.3	2.2	14.7
	[redacted]																
	800	41.9	22.4	5.3	14.2	50.2	26.4	6.3	10.9	33.6	19.6	4.2	9.5	40.6	23.1	5.1	7.5
	1000	49.0	26.2	6.2	9.3	58.3	30.6	7.3	10.0	39.2	22.9	5.0	6.3	47.0	26.7	5.9	7.0
	1200	61.3	32.9	7.7	11.7	71.8	37.6	9.1	14.1	48.7	28.7	6.2	7.8	58.1	32.8	7.3	9.7
20	200	7.8	5.0	0.8	0.9	11.9	6.5	1.2	3.1	6.2	4.6	0.6	0.6	9.5	5.7	1.0	2.1
	300	13.0	7.7	1.3	3.0	18.8	9.9	1.9	11.6	10.4	6.9	1.1	2.0	15.1	8.6	1.6	7.8
	[redacted]																
	800	36.6	20.5	3.7	7.4	44.4	24.4	4.5	5.9	28.5	[illegible]	2.9	4.7	34.9	21.4	3.5	3.9
	1000	42.8	24.1	4.3	5.0	51.1	28.1	5.2	5.5	33.4	21.3	3.4	3.2	40.3	24.7	4.1	3.7
	1200	53.0	30.1	5.4	6.1	63.1	34.5	6.4	7.6	40.9	26.3	4.2	3.9	49.9	30.3	5.0	5.1

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 95.0 DB/83.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	18.2	7.4	6.2	34.7					16.7	6.8	5.6	29.7				
	300																
	800																
	1000																
	1200																
8	200	17.3	7.1	4.4	18.9	21.0	8.6	5.3	49.1	15.7	6.5	4.0	16.0	19.5	8.0	4.9	42.5
	300									23.8	9.7	6.0	49.0				
	800																
	1000																
	1200																
10	200	16.4	6.7	3.3	11.5	20.5	8.4	4.2	30.9	14.8	6.2	3.0	9.6	18.9	7.7	3.8	26.6
	300	24.9	10.2	5.1	35.4					22.6	9.3	4.6	29.7				
	800																
	1000																
	1200																
12	200	15.5	6.4	2.6	7.5	20.0	8.2	3.4	20.9	13.9	5.9	2.4	6.2	18.3	7.5	3.1	17.8
	300	23.9	9.8	4.0	23.4					21.5	8.9	3.7	19.4				
	800					75.0	30.8	12.6	37.3	57.7	23.8	9.7	43.3	68.6	28.2	11.5	31.8
	1000	74.3	30.4	12.4	32.4					67.6	27.9	11.3	27.4	79.9	32.9	13.4	27.2
	1200																
16	200	13.7	5.8	1.7	3.6	18.8	7.7	2.4	10.9	12.0	5.2	1.5	2.8	17.0	7.0	2.2	9.1
	300	21.6	9.0	2.8	11.5	28.4	11.6	3.6	36.4	19.2	8.2	2.5	9.3	25.9	10.6	3.3	30.8
	800	59.0	24.3	7.4	26.6	70.4	28.9	8.8	19.9	53.1	22.1	6.7	21.9	63.5	26.3	8.0	16.6
	1000	69.1	28.4	8.7	17.1	81.9	33.6	10.3	17.5	62.1	25.9	7.8	14.2	73.9	30.6	9.3	14.8
	1200	86.8	35.7	10.9	21.3	100.7	41.3	12.7	25.3	77.8	32.5	9.8	17.6	91.0	37.6	11.4	21.2
20	200	11.9	5.2	1.2	1.9	17.5	7.2	1.8	6.3	10.1	4.7	1.0	1.4	15.5	6.5	1.6	5.1
	300	19.4	8.2	2.0	6.3	26.8	11.0	2.7	21.9	16.8	7.4	1.7	4.9	24.1	10.0	2.5	18.1
	800	54.5	22.6	5.5	15.3	65.5	27.0	6.6	11.7	48.2	20.4	4.9	12.2	57.9	24.3	5.8	9.4
	1000	63.9	26.5	6.4	10.0	75.7	31.3	7.6	10.6	56.2	23.9	5.7	8.0	67.0	28.2	6.7	8.7
	1200	79.7	33.2	8.0	12.5	93.3	38.5	9.4	15.0	70.1	29.9	7.1	10.0	82.7	34.7	8.3	12.2

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	16.3	6.7	5.5	28.4					14.2	5.9	4.8	22.3				
	300																
	800																
	1000																
	1200																
8	200	15.3	6.3	3.9	15.2	19.0	7.8	4.8	40.8	13.2	5.6	3.4	11.7	16.8	7.0	4.3	32.6
	300	23.2	9.5	5.9	46.8					20.1	8.4	5.1	36.2				
	800																
	1000																
	1200																
10	200	14.4	6.0	2.9	9.1	18.5	7.6	3.7	25.5	12.2	5.3	2.5	6.9	16.2	6.7	3.3	20.0
	300	22.0	9.1	4.5	28.3					18.9	8.1	3.9	21.5				
	800					69.2	28.5	13.9	44.8	50.7	21.3	10.2	47.6	60.5	25.3	12.2	35.3
	1000	68.4	28.2	13.8	38.8					59.4	25.0	12.0	30.3				
	1200																
12	200	13.5	5.7	2.3	5.9	17.9	7.3	3.0	17.0	11.3	5.0	1.9	4.3	15.5	6.5	2.6	13.2
	300	20.9	8.7	3.6	18.4					17.8	7.7	3.0	13.7	23.5	9.7	4.0	43.8
	800	56.2	23.2	9.4	41.3	66.9	27.6	11.2	30.4	48.4	20.5	8.1	31.4	57.8	24.3	9.7	23.5
	1000	65.8	27.2	11.0	26.2	78.0	32.1	13.1	26.1	56.5	24.0	9.5	20.0	67.5	28.3	11.3	20.6
	1200	82.8	34.3	13.9	32.5					71.0	30.2	11.9	24.9	83.1	34.8	13.9	29.9
16	200	11.6	5.1	1.5	2.7	16.6	6.9	2.1	8.6	9.3	4.4	1.2	1.8	14.0	6.0	1.8	6.4
	300	18.6	8.0	2.4	8.8	25.2	10.4	3.2	29.4	15.3	6.9	2.0	6.2	21.7	9.1	2.8	22.4
	800	51.5	21.6	6.5	20.8	61.7	25.7	7.8	15.8	43.4	18.9	5.5	15.1	52.0	22.4	6.5	11.6
	1000	60.2	25.2	7.6	13.4	71.8	29.8	9.0	14.1	50.6	22.1	6.4	9.9	60.5	26.0	7.6	10.6
	1200	75.5	31.7	9.5	16.8	88.4	36.7	11.1	20.2	63.2	27.7	8.0	12.3	74.7	32.0	9.4	15.0
20	200	9.6	4.5	1.0	1.3	15.0	6.3	1.5	4.8	7.6	4.0	0.8	0.8	12.2	5.4	1.3	3.3
	300	16.1	7.2	1.7	4.5	23.4	9.7	2.4	17.1	12.7	6.2	1.3	2.9	19.5	8.4	2.0	12.4
	800	46.5	19.9	4.7	11.4	55.9	23.7	5.6	8.9	37.5	17.1	3.8	7.7	45.5	20.4	4.6	6.2
	1000	54.3	23.3	5.5	7.5	64.7	27.4	6.5	8.2	43.8	20.0	4.4	5.2	52.6	23.5	5.3	5.8
	1200	67.7	29.1	6.8	9.4	79.9	33.7	8.0	11.5	54.1	25.0	5.5	6.4	64.9	28.9	6.5	8.0

HORIZONTAL MODELS

ENTERING AIR 72.0 DB/59.0 WB, 45 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.9	5.1	2.1	2.6	6.6	5.4	2.3	7.8	4.8	4.7	1.7	1.8	5.4	4.9	1.9	5.4
	300	7.9	6.6	2.8	8.7	8.8	7.0	2.9	15.1	6.4	6.0	2.3	6.0	7.1	6.3	2.4	10.3
	800					25.6	21.2	8.7	11.1	16.6	15.8	5.7	20.4	20.8	19.1	7.1	7.6
	1000	24.8	21.0	8.4	15.4	29.8	24.7	10.1	12.4	20.0	19.0	6.9	11.0	24.3	22.3	8.3	8.6
	1200	28.9	24.5	9.8	11.8	34.7	28.7	11.8	19.3	23.2	22.0	7.9	8.6	28.2	25.8	9.6	13.3
8	200	5.4	4.9	1.4	1.3	6.2	5.3	1.6	4.0	4.4	4.4	1.2	0.9	5.0	4.8	1.3	2.8
	300	7.4	6.4	2.0	4.5	8.3	6.8	2.1	8.0	6.0	5.8	1.6	3.1	6.7	6.2	1.7	5.5
	800	19.3	16.9	4.9	15.8	24.1	20.6	6.1	5.8	15.5	15.3	4.0	10.9	19.3	18.5	4.9	3.9
	1000	23.2	20.3	5.9	8.8	28.3	24.1	7.2	6.6	18.8	18.5	4.8	6.3	22.7	21.7	5.8	4.5
	1200	26.9	23.6	6.9	6.9	32.9	27.9	8.4	10.3	21.7	21.4	5.6	5.1	26.3	25.0	6.7	6.9
10	200	5.0	4.7	1.1	0.8	5.7	5.1	1.2	2.3	4.1	4.1	0.9	0.5	4.7	4.7	1.0	1.6
	300	6.9	6.2	1.5	2.7	7.8	6.6	1.6	4.8	5.6	5.6	1.2	1.9	6.3	6.0	1.3	3.3
	800	17.9	16.3	3.7	9.3	22.6	20.0	4.6	3.4	14.4	14.4	3.0	6.5	17.7	17.7	3.6	2.2
	1000	21.6	19.7	4.4	5.5	26.7	23.4	5.4	3.9	17.6	17.6	3.6	4.0	20.9	20.9	4.3	2.6
	1200	24.9	22.6	5.1	4.5	31.0	27.1	6.3	6.1	20.2	20.2	4.2	3.3	24.3	24.3	5.0	3.9
12	200	4.5	4.5	0.8	0.5	5.3	4.9	0.9	1.5	3.7	3.7	0.7	0.3	4.4	4.4	0.8	1.0
	300	6.4	6.0	1.1	1.7	7.3	6.4	1.2	3.0	5.2	5.2	0.9	1.2	5.9	5.9	1.0	2.1
	800	16.6	16.7	2.8	6.0	21.1	19.3	3.6	2.1	13.4	13.4	2.3	4.1	16.0	16.0	2.7	1.3
	1000	20.2	19.1	3.5	3.7	25.0	22.7	4.2	2.5	16.4	16.4	2.8	2.7	19.1	19.1	3.3	1.5
	1200	23.2	22.0	4.0	3.1	29.0	26.2	4.9	3.9	18.8	18.8	3.2	2.3	22.0	22.0	3.8	2.4
16	200	3.8	3.8	0.5	0.2	4.6	4.6	0.6	0.7								
	300	5.5	5.5	0.7	0.8	6.4	6.1	0.8	1.4	4.4	4.4	0.6	0.5	5.2	5.2	0.7	1.0
	800	14.2	14.2	1.8	2.8	17.6	17.6	2.3	0.9	11.2	11.2	1.5	1.9	12.9	12.9	1.7	0.5
	1000	17.6	17.6	2.3	1.9	21.2	21.2	2.7	1.1	14.0	14.0	1.8	1.3	15.4	15.4	2.0	0.6
	1200	19.9	19.9	2.6	1.6	24.6	24.3	3.1	1.7	15.8	15.8	2.1	1.1	17.6	17.6	2.3	0.9
20	200																
	300	4.7	4.7	0.5	0.4	5.5	5.5	0.6	0.7								
	800	11.8	11.8	1.2	1.4												
	1000	14.9	14.9	1.5	1.0	17.1	17.1	1.8	0.5	11.4	11.4	1.2	0.7				
	1200	16.6	16.6	1.7	0.9	19.7	19.7	2.0	0.7	12.5	12.5	1.3	0.6				

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	4.6	4.6	1.6	1.7	5.1	4.8	1.8	4.9	3.6	3.6	1.3	1.1	4.0	4.0	1.4	3.2
	300	6.1	5.8	2.2	5.5	6.7	6.2	2.3	9.3	4.7	4.7	1.7	3.6	5.2	5.2	1.8	5.9
	800	15.8	15.4	5.4	18.6	19.6	18.6	6.7	6.8	12.2	12.2	4.2	11.9	14.3	14.3	4.9	3.8
	1000	19.0	18.5	6.5	10.2	22.9	21.8	7.8	7.7	14.7	14.7	5.1	6.9	16.7	16.7	5.7	4.3
	1200	22.0	21.5	7.5	8.0	26.5	25.1	9.1	11.9	17.1	17.1	5.9	5.5	19.2	19.2	6.6	6.6
8	200	4.2	4.2	1.1	0.9	4.8	4.7	1.3	2.6	3.2	3.2	0.9	0.5	3.7	3.7	1.0	1.6
	300	5.7	5.7	1.5	2.9	6.3	6.1	1.6	4.9	4.4	4.4	1.2	1.9	4.9	4.9	1.2	3.1
	800	14.7	14.7	3.8	10.0	18.0	18.0	4.6	3.4	11.2	11.2	2.9	6.3	13.1	13.1	3.4	1.9
	1000	17.9	17.9	4.6	5.9	21.2	21.2	5.4	3.9	13.6	13.6	3.6	3.9	15.3	15.3	4.0	2.2
	1200	20.6	20.6	5.3	4.7	24.6	24.3	6.3	6.1	15.7	15.7	4.1	3.2	17.6	17.6	4.6	3.3
10	200	3.9	3.9	0.8	0.5	4.5	4.5	1.0	1.5	2.8	2.8	0.6	0.3	3.4	3.4	0.7	0.9
	300	5.3	5.3	1.2	1.7	6.0	5.9	1.2	3.0	4.0	4.0	0.9	1.1	4.6	4.6	0.9	1.8
	800	13.7	13.7	2.8	5.9	16.4	16.4	3.4	1.9	10.3	10.3	2.1	3.6	11.8	11.8	2.5	1.0
	1000	16.7	16.7	3.5	3.7	19.4	19.4	4.0	2.2	12.6	12.6	2.6	2.4	13.9	13.9	2.9	1.2
	1200	19.2	19.2	4.0	3.0	22.5	22.5	4.6	3.4	14.4	14.4	3.0	2.0	16.0	16.0	3.3	1.9
12	200	3.5	3.5	0.6	0.3	4.2	4.2	0.7	1.0					3.0	3.0	0.6	0.6
	300	4.9	4.9	0.9	1.1	5.6	5.6	0.9	1.9	3.6	3.6	0.7	0.6	4.2	4.2	0.7	1.1
	800	12.7	12.7	2.2	3.8	14.7	14.7	2.5	1.1	9.2	9.2	1.6	2.2	10.6	10.6	1.8	0.6
	1000	15.6	15.6	2.7	2.5	17.6	17.6	3.0	1.3	11.4	11.4	2.0	1.6	12.5	12.5	2.2	0.7
	1200	17.8	17.8	3.1	2.1	20.2	20.2	3.5	2.0	12.9	12.9	2.3	1.3	14.4	14.4	2.5	1.1
16	200																
	300	4.1	4.1	0.6	0.5	4.9	4.9	0.6	0.9								
	800	10.6	10.6	1.4	1.7	12.1	12.1	1.6	0.4								
	1000	13.2	13.2	1.7	1.2	14.4	14.4	1.9	0.5	8.8	8.8	1.2	0.7				
	1200	14.8	14.8	1.9	1.0	16.5	16.5	2.1	0.8	9.7	9.7	1.3	0.6				
20	200																
	300																
	800																
	1000	10.5	10.5	1.1	0.6												
	1200	11.5	11.5	1.2	0.5												

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

ENTERING AIR 72.0 DB/60.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.2	4.9	2.2	2.9	7.0	5.3	2.4	8.5	4.9	4.4	1.7	1.9	5.6	4.7	2.0	5.8
	300	8.4	6.4	.2.9	9.6	9.3	6.9	3.1	16.7	6.7	5.7	2.4	6.5	7.5	6.1	2.5	11.3
	[redacted]																
	800					26.7	20.6	9.0	12.0	17.5	15.2	6.0	22.1	21.8	18.5	7.4	8.3
	1000	26.3	20.6	8.9	16.8	31.1	24.1	10.5	13.4	20.9	18.3	7.2	11.8	25.5	21.6	8.7	9.3
	1200	30.7	24.0	10.4	12.9	36.3	27.9	12.3	20.9	24.4	21.3	8.3	9.2	29.6	25.0	10.1	14.5
8	200	5.6	4.7	1.5	1.4	6.5	5.1	1.7	4.4	4.5	4.3	1.2	1.0	5.2	4.6	1.4	3.0
	300	7.7	6.2	2.0	4.9	8.7	6.7	2.2	8.8	6.2	5.5	1.7	3.3	7.0	5.9	1.8	5.9
	[redacted]																
	800	20.3	16.5	5.2	17.3	25.1	20.0	6.4	6.3	16.0	14.6	4.1	11.5	20.3	17.9	5.2	4.2
	1000	24.4	19.8	6.2	9.5	29.4	23.3	7.5	7.1	19.4	17.6	5.0	6.7	23.8	20.9	6.1	4.9
	1200	28.3	23.0	7.2	7.5	34.2	27.0	8.7	11.1	22.4	20.5	5.8	5.3	27.7	24.2	7.1	7.6
10	200	5.1	4.5	1.1	0.8	6.0	4.9	1.3	2.5	4.1	4.1	0.9	0.5	4.8	4.4	1.0	1.7
	300	7.2	5.9	1.5	2.8	8.2	6.4	1.6	5.2	5.7	5.3	1.2	1.9	6.5	5.8	1.3	3.4
	[redacted]																
	800	18.7	15.8	3.8	10.1	23.6	19.3	4.8	3.7	14.8	14.1	3.0	6.7	18.7	17.2	3.8	2.4
	1000	22.6	19.0	4.6	5.9	27.7	22.6	5.6	4.2	18.0	17.1	3.7	4.1	22.1	20.2	4.5	2.8
	1200	26.0	22.0	5.3	4.8	32.3	26.2	6.6	6.6	20.6	19.8	4.2	3.4	25.7	23.4	5.3	4.4
12	200	4.6	4.3	0.8	0.5	5.5	4.7	1.0	1.6	3.7	3.7	0.7	0.3	4.4	4.3	0.8	1.1
	300	6.6	5.7	1.2	1.8	7.6	6.2	1.3	3.3	5.3	5.2	1.0	1.2	6.1	5.6	1.0	2.2
	[redacted]																
	800	17.2	15.1	2.9	6.3	22.0	18.6	3.7	2.3	13.6	13.6	2.3	4.2	17.1	16.6	2.9	1.4
	1000	20.9	18.3	3.6	3.9	26.0	21.9	4.4	2.7	16.6	16.6	2.9	2.8	20.3	19.5	3.5	1.7
	1200	24.0	21.1	4.1	3.2	30.3	25.3	5.1	4.2	19.0	19.0	3.3	2.3	23.5	22.5	4.0	2.6
16	200	3.8	3.8	0.5	0.2	4.7	4.4	0.6	0.7								
	300	5.6	5.3	0.8	0.8	6.6	5.8	0.8	1.5	4.4	4.4	0.6	0.5	5.2	5.2	0.7	1.0
	[redacted]																
	800	14.5	14.0	1.9	2.8	18.6	17.2	2.4	1.0	11.3	11.3	1.5	1.9	13.4	13.4	1.7	0.5
	1000	17.9	17.0	2.3	2.0	22.3	20.3	2.9	1.2	14.1	14.1	1.8	1.4	16.3	16.3	2.1	0.7
	1200	20.2	19.6	2.6	1.6	25.9	23.5	3.3	1.9	15.9	15.9	2.1	1.1	18.7	18.7	2.4	1.0
20	200																
	300	4.7	4.7	0.5	0.4	5.6	5.4	0.6	0.7								
	[redacted]																
	800	11.9	11.9	1.2	1.4	14.7	14.7	1.5	0.4								
	1000	15.0	15.0	1.6	1.1	18.1	18.1	1.9	0.5	11.4	11.4	1.2	0.7				
	1200	16.7	16.7	1.7	0.9	20.8	20.8	2.1	0.8	12.5	12.5	1.3	0.6				

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	4.7	4.3	1.7	1.7	5.3	4.6	1.9	5.2	3.6	3.6	1.3	1.1	4.0	4.0	1.4	3.2
	300	6.3	5.6	2.2	5.8	7.0	5.9	2.4	10.1	4.7	4.7	1.7	3.6	5.3	5.3	1.8	5.9
	[redacted]																
	800	16.4	14.8	5.6	19.8	20.6	18.0	7.0	7.4	12.1	12.1	4.2	11.9	14.3	14.3	4.9	3.8
	1000	19.7	17.7	6.8	10.8	24.0	21.0	8.2	8.4	14.7	14.7	5.1	6.9	16.7	16.7	5.7	4.4
	1200	22.9	20.7	7.8	8.4	28.0	24.3	9.5	13.1	17.1	17.1	5.9	5.5	19.2	19.2	6.6	6.6
8	200	4.3	4.2	1.1	0.9	4.9	4.5	1.3	2.7	3.2	3.2	0.9	0.5	3.7	3.7	1.0	1.6
	300	5.8	5.4	1.6	3.0	6.6	5.8	1.7	5.3	4.4	4.4	1.2	1.9	4.9	4.9	1.2	3.1
	[redacted]																
	800	15.1	14.2	3.9	10.4	19.1	17.4	4.9	3.8	11.2	11.2	2.9	6.5	13.1	13.1	3.4	1.9
	1000	18.3	17.2	4.7	6.1	22.4	20.3	5.7	4.4	13.7	13.7	3.6	3.9	15.3	15.3	4.0	2.2
	1200	21.1	19.9	5.4	4.9	26.0	23.5	6.7	6.7	15.8	15.8	4.1	3.2	17.6	17.6	4.6	3.3
10	200	3.9	3.9	0.8	0.5	4.5	4.3	1.0	1.5	2.8	2.8	0.6	0.3	3.4	3.4	0.7	0.9
	300	5.4	5.2	1.2	1.8	6.1	5.6	1.2	3.1	4.0	4.0	0.9	1.1	4.6	4.6	0.9	1.8
	[redacted]																
	800	13.9	13.7	2.9	6.1	17.4	16.7	3.6	2.1	10.2	10.2	2.1	3.6	11.8	11.8	2.5	1.0
	1000	16.9	16.7	3.5	3.8	20.6	19.6	4.2	2.5	12.6	12.6	2.6	2.4	13.9	13.9	2.9	1.2
	1200	19.5	19.3	4.0	3.1	24.0	22.7	4.9	3.9	14.4	14.4	3.0	2.0	16.0	16.0	3.3	1.9
12	200	3.5	3.5	0.6	0.3	4.2	4.2	0.7	1.0					3.0	3.0	0.6	0.6
	300	5.0	5.0	0.9	1.1	5.7	5.5	1.0	1.9	3.6	3.6	0.7	0.6	4.2	4.2	0.7	1.1
	[redacted]																
	800	12.8	12.8	2.2	3.8	15.8	15.8	2.7	1.3	9.2	9.2	1.6	2.2	10.6	10.6	1.8	0.6
	1000	15.7	15.7	2.7	2.5	18.8	18.8	3.2	1.5	11.4	11.4	2.0	1.5	12.5	12.5	2.2	0.7
	1200	17.9	17.9	3.1	2.1	21.8	21.8	3.7	2.3	12.9	12.9	2.3	1.3	14.4	14.4	2.5	1.1
16	200																
	300	4.1	4.1	0.6	0.5	4.9	4.9	0.6	0.9								
	[redacted]																
	800	10.5	10.5	1.4	1.7	12.1	12.1	1.6	0.5								
	1000	13.2	13.2	1.7	1.2	14.8	14.8	1.9	0.6	8.8	8.8	1.2	0.7				
	1200	14.8	14.8	1.9	1.0	17.0	17.0	2.2	0.9	9.7	9.7	1.3	0.6				
20	200																
	300																
	[redacted]																
	800																
	1000	10.5	10.5	1.1	0.6												
	1200	11.5	11.5	1.2	0.5												

ENTERING AIR 72.0 DB/61.5 WB, 55 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.8	4.8	2.3	3.4	7.6	5.2	2.6	9.9	5.4	4.2	1.9	2.2	6.1	4.5	2.1	6.8
	300	9.1	6.3	3.2	11.3	10.1	6.8	3.4	19.6	7.3	5.5	2.6	7.6	8.2	5.9	2.7	13.4
	[redacted]																
	800					29.0	20.1	9.8	14.0	19.3	14.7	6.6	26.3	23.5	17.6	8.0	9.5
	1000	29.1	20.2	9.9	19.7	33.8	23.4	11.4	15.6	23.1	17.5	7.9	13.8	27.4	20.5	9.3	10.7
	1200	34.0	23.6	11.5	15.0	39.6	27.3	13.4	24.5	26.9	20.5	9.2	10.7	32.0	23.9	10.9	16.6
8	200	6.1	4.5	1.6	1.6	7.0	4.9	1.8	5.1	4.8	4.0	1.3	1.1	5.6	4.3	1.5	3.4
	300	8.5	6.0	2.2	5.8	9.5	6.5	2.4	10.3	6.7	5.2	1.8	3.8	7.6	5.7	1.9	6.9
	[redacted]																
	800	22.5	16.1	5.7	20.5	26.8	19.1	6.8	7.0	17.4	13.9	4.5	13.3	21.8	16.9	5.6	4.8
	1000	26.9	19.2	6.9	11.0	31.3	22.3	8.0	8.0	21.0	16.7	5.4	7.5	25.5	19.8	6.5	5.5
	1200	31.2	22.3	7.9	8.6	36.5	25.9	9.3	12.5	24.4	19.4	6.2	6.0	29.8	23.0	7.6	8.6
10	200	5.5	4.2	1.2	0.9	6.5	4.7	1.4	2.9	4.3	3.8	0.9	0.6	5.1	4.1	1.1	1.9
	300	7.8	5.7	1.6	3.3	8.9	6.2	1.8	6.1	6.1	5.0	1.3	2.2	7.0	5.4	1.4	3.9
	[redacted]																
	800	20.5	15.2	4.2	11.8	25.1	18.3	5.1	4.1	15.8	13.2	3.2	7.5	20.2	16.3	4.1	2.8
	1000	24.7	18.3	5.1	6.8	29.5	21.5	6.0	4.7	19.2	16.0	3.9	4.6	23.8	19.1	4.9	3.2
	1200	28.4	21.2	5.8	5.4	34.4	24.9	7.0	7.4	22.0	18.5	4.5	3.7	27.7	22.1	5.7	5.0
12	200	4.9	4.0	0.9	0.5	5.9	4.4	1.0	1.8	3.8	3.6	0.7	0.3	4.6	3.9	0.8	1.1
	300	7.1	5.4	1.3	2.0	8.3	6.0	1.4	3.8	5.5	4.8	1.0	1.3	6.4	5.2	1.1	2.4
	[redacted]																
	800	18.6	14.4	3.2	7.2	23.4	17.6	4.0	2.6	14.2	12.6	2.5	4.6	18.5	15.6	3.2	1.7
	1000	22.6	17.4	3.9	4.4	27.6	20.7	4.7	3.0	17.4	15.3	3.0	3.0	22.0	18.4	3.7	2.0
	1200	25.9	20.1	4.4	3.6	32.2	24.0	5.5	4.7	19.9	17.6	3.4	2.4	25.5	21.2	4.4	3.1
16	200	3.8	3.6	0.5	0.2	4.9	4.0	0.6	0.7					3.7	3.6	0.5	0.5
	300	5.9	4.9	0.8	0.9	7.0	5.4	0.9	1.6	4.5	4.4	0.6	0.5	5.4	4.8	0.7	1.0
	[redacted]																
	800	15.2	13.0	2.0	3.1	20.0	16.2	2.6	1.1	11.5	11.5	1.5	1.9	14.7	14.1	1.9	0.6
	1000	18.8	15.8	2.4	2.1	23.9	19.2	3.1	1.4	14.4	14.1	1.9	1.4	17.8	16.8	2.3	0.8
	1200	21.3	18.2	2.7	1.8	27.8	22.2	3.6	2.1	16.1	16.1	2.1	1.2	20.7	19.3	2.7	1.2
20	200																
	300	4.8	4.5	0.5	0.4	5.8	5.0	0.6	0.8								
	[redacted]																
	800	12.3	11.8	1.3	1.5	16.0	14.6	1.6	0.5								
	1000	15.5	14.5	1.6	1.1	19.6	17.5	2.0	0.6	11.4	11.4	1.2	0.7				
	1200	17.2	16.6	1.8	0.9	22.7	20.1	2.3	1.0	12.5	12.5	1.3	0.6	15.2	15.2	1.6	0.5

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.0	4.1	1.8	2.0	5.8	4.4	2.0	6.1	3.6	3.5	1.3	1.1	4.1	3.7	1.5	3.3
	300	6.9	5.3	2.4	6.8	7.7	5.7	2.6	12.0	4.8	4.5	1.8	3.7	5.4	4.8	1.8	6.3
	[redacted]																
	800	18.0	14.1	6.2	23.4	22.2	17.1	7.5	8.5	12.5	11.9	4.3	12.5	15.7	14.5	5.4	4.6
	1000	21.6	16.9	7.4	12.4	25.9	19.9	8.8	9.6	15.1	14.4	5.2	7.2	18.4	17.0	6.3	5.2
	1200	25.1	19.7	8.6	9.7	30.2	23.1	10.3	15.0	17.5	16.7	6.0	5.7	21.4	19.6	7.4	8.1
8	200	4.5	3.8	1.2	1.0	5.2	4.2	1.4	3.0	3.2	3.2	0.9	0.5	3.7	3.6	1.0	1.7
	300	6.2	5.0	1.7	3.4	7.1	5.5	1.8	6.1	4.4	4.4	1.2	1.9	5.0	4.7	1.3	3.2
	[redacted]																
	800	16.3	13.4	4.2	11.8	20.6	16.4	5.2	4.3	11.4	11.4	3.0	6.4	14.1	13.9	3.6	2.2
	1000	19.6	16.1	5.0	6.8	24.1	19.2	6.2	5.0	13.8	13.8	3.6	4.0	16.6	16.3	4.3	2.5
	1200	22.7	18.7	5.8	5.4	28.1	22.2	7.2	7.7	15.9	15.9	4.1	3.2	19.3	18.8	5.0	3.9
10	200	4.0	3.7	0.9	0.5	4.7	4.0	1.0	1.7	2.8	2.8	0.6	0.3	3.4	3.4	0.7	0.9
	300	5.7	4.8	1.2	1.9	6.6	5.3	1.3	3.5	4.0	4.0	0.9	1.1	4.6	4.6	0.9	1.8
	[redacted]																
	800	14.7	12.8	3.0	6.7	18.9	15.8	3.9	2.4	10.3	10.3	2.2	3.7	12.4	12.4	2.6	1.1
	1000	17.9	15.5	3.7	4.1	22.3	18.5	4.6	2.9	12.6	12.6	2.6	2.4	14.7	14.7	3.1	1.4
	1200	20.6	17.9	4.2	3.4	26.0	21.4	5.3	4.4	14.4	14.4	3.0	2.0	17.0	17.0	3.5	2.1
12	200	3.5	3.5	0.6	0.3	4.3	3.8	0.8	1.0					3.0	3.0	0.6	0.6
	300	5.2	4.6	0.9	1.2	6.0	5.1	1.0	2.1	3.6	3.6	0.7	0.6	4.2	4.2	0.7	1.1
	[redacted]																
	800	13.3	12.2	2.3	4.1	17.2	15.1	2.9	1.5	9.2	9.2	1.6	2.2	10.6	10.6	1.8	0.6
	1000	16.3	14.8	2.8	2.7	20.5	17.8	3.5	1.7	11.4	11.4	2.0	1.5	12.8	12.8	2.2	0.8
	1200	18.6	17.1	3.2	2.2	23.8	20.5	4.1	2.7	12.9	12.9	2.3	1.3	14.7	14.7	2.6	1.1
16	200																
	300	4.2	4.2	0.6	0.5	5.0	4.7	0.6	0.9								
	[redacted]																
	800	10.7	10.7	1.4	1.7	13.4	13.4	1.7	0.5								
	1000	13.4	13.4	1.7	1.3	16.3	16.3	2.1	0.7	8.8	8.8	1.2	0.7				
	1200	15.0	15.0	1.9	1.1	18.8	18.6	2.4	1.0	9.7	9.7	1.3	0.6				
20	200																
	300																
	[redacted]																
	800																
	1000	10.5	10.5	1.1	0.6												
	1200	11.5	11.5	1.2	0.5												

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

ENTERING AIR 75.0 DB/61.0 WB, 45 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
	200	6.7	5.5	2.3	3.3	7.5	5.9	2.6	9.8	5.5	5.1	1.9	2.4	6.2	5.3	2.2	6.9
	300	9.0	7.2	3.2	11.0	9.9	7.6	3.3	19.0	7.4	6.5	2.6	7.7	8.2	6.9	2.7	13.4
6	[redacted]																
	800	[illegible]	[illegible]	[illegible]	[illegible]	28.8	23.0	9.8	13.8	19.3	17.2	6.6	26.2	24.0	20.9	8.1	9.9
	1000	28.3	22.9	9.6	18.8	33.6	26.8	11.4	15.5	23.0	20.6	7.9	13.7	28.0	24.3	9.5	11.1
	1200	33.0	26.7	11.2	14.4	39.2	31.1	13.3	24.1	26.8	24.0	9.1	10.6	32.6	28.2	11.1	17.3
	200	6.2	5.3	1.6	1.7	7.1	5.7	1.8	5.1	5.1	4.9	1.3	1.2	5.8	5.2	1.5	3.6
	300	8.4	6.9	2.2	5.7	9.4	7.4	2.4	10.2	6.9	6.3	1.8	4.0	7.7	6.7	1.9	7.1
8	[redacted]																
	800	22.1	18.5	[illegible]	19.9	[illegible]	[illegible]	6.9	7.3	17.9	16.7	4.6	14.0	22.6	20.3	5.7	5.1
	1000	26.5	22.1	6.8	10.8	32.0	26.1	8.1	8.3	21.6	20.1	5.5	7.9	26.4	23.7	6.7	5.9
	1200	30.8	25.7	7.8	8.5	37.2	30.2	9.5	12.9	25.1	23.3	6.4	6.3	30.7	27.4	7.8	9.1
	200	5.7	5.1	1.2	1.0	6.6	5.5	1.4	3.0	4.7	4.7	1.0	0.7	5.4	5.1	1.1	2.1
	300	7.9	6.7	1.7	3.4	8.9	7.2	1.8	6.1	6.4	6.1	1.4	2.4	7.3	6.6	1.5	4.2
10	[redacted]																
	800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.3	4.3	16.7	16.2	3.4	8.3	21.0	19.7	4.3	3.0
	1000	24.8	21.4	5.1	6.8	30.4	25.4	6.2	5.0	20.3	19.5	4.2	5.0	24.8	23.1	5.1	3.5
	1200	28.7	24.8	5.9	5.5	35.3	29.4	7.2	7.8	23.4	22.6	4.8	4.1	28.8	26.6	5.9	5.4
	200	5.2	4.9	0.9	0.6	6.1	5.3	1.1	1.9	4.3	4.3	0.8	0.4	5.1	4.9	0.9	1.3
	300	7.3	6.5	1.3	2.1	8.4	7.0	1.4	3.9	6.1	6.0	1.1	1.5	6.9	6.4	1.2	2.7
12	[redacted]																
	800	[illegible]	[illegible]	[illegible]	7.6	[illegible]	[illegible]	4.1	2.8	15.6	15.6	2.7	5.4	19.4	19.0	3.3	1.8
	1000	23.2	20.7	4.0	4.6	28.7	24.7	4.9	3.2	19.0	19.0	3.3	3.4	23.0	22.3	3.9	2.2
	1200	26.7	24.0	4.5	3.8	33.4	28.6	5.7	5.0	21.8	21.8	3.7	2.8	26.6	25.7	4.5	3.3
	200	4.4	4.4	0.6	0.3	5.3	5.0	0.7	0.9					4.4	4.4	0.6	0.6
	300	6.4	6.1	0.9	1.0	7.4	6.6	0.9	1.8	5.3	5.3	0.7	0.7	6.1	6.1	0.8	1.3
16	[redacted]																
	800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.4	13.4	1.7	2.5	15.9	15.9	2.0	0.7
	1000	20.3	19.5	2.6	2.4	25.2	23.3	3.2	1.5	16.6	16.6	2.1	1.7	19.2	19.2	2.5	0.9
	1200	23.1	22.5	3.0	2.0	29.2	26.8	3.7	2.3	18.8	18.8	2.4	1.5	22.1	22.1	2.8	1.4
	200																
	300	5.5	5.5	0.6	0.5	6.5	6.3	0.7	1.0					5.2	5.2	0.5	0.6
20	[redacted]																
	800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.8	0.6	11.2	11.2	1.2	1.2				
	1000	17.6	17.6	1.8	1.3	21.1	21.1	2.2	0.7	14.0	14.0	1.5	0.9	15.3	15.3	1.6	0.4
	1200	19.8	19.8	2.0	1.1	24.3	24.3	2.5	1.1	15.7	15.7	1.6	0.8	17.5	17.5	1.8	0.6

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
	200	5.3	5.0	1.8	2.2	5.9	5.2	2.1	6.3	4.2	4.2	1.5	1.4	4.6	4.6	1.6	4.1
	300	7.0	6.3	2.5	7.1	7.8	6.7	2.6	12.1	5.5	5.5	2.0	4.7	6.1	6.1	2.0	7.7
6	[redacted]																
	800	18.3	16.8	6.2	23.9	22.8	20.4	7.7	8.9	14.2	14.2	4.9	15.5	16.6	16.6	5.7	5.0
	1000	21.9	20.2	7.5	12.6	26.6	23.8	9.0	10.1	17.1	17.1	5.9	8.7	19.4	19.4	6.6	5.7
	1200	25.4	23.5	8.7	9.8	30.9	27.5	10.5	15.7	19.9	19.9	6.8	6.9	22.3	22.3	7.6	8.7
	200	4.9	4.8	1.3	1.1	5.5	5.1	1.4	3.3	3.8	3.8	1.0	0.7	4.4	4.4	1.2	2.2
	300	6.5	6.2	1.8	3.7	7.3	6.6	1.8	6.5	5.2	5.2	1.4	2.5	5.8	5.8	1.4	4.1
8	[redacted]																
	800	17.0	16.3	4.4	12.8	21.3	19.8	5.4	4.6	13.3	13.3	3.4	8.3	15.5	15.5	4.0	2.6
	1000	20.6	19.6	5.3	7.3	25.0	23.1	6.4	5.3	16.1	16.1	4.2	5.0	18.1	18.1	4.6	3.0
	1200	23.8	22.8	6.1	5.8	29.1	26.7	7.4	8.2	18.5	18.5	4.8	4.1	20.8	20.8	5.3	4.5
	200	4.5	4.5	1.0	0.6	5.1	5.0	1.1	1.9	3.5	3.5	0.7	0.4	4.0	4.0	0.9	1.3
	300	6.1	6.0	1.3	2.2	6.9	6.4	1.4	3.9	4.8	4.8	1.1	1.4	5.4	5.4	1.1	2.5
10	[redacted]																
	800	15.9	15.9	3.3	7.6	19.8	19.2	4.0	2.7	12.3	12.3	2.6	4.9	14.3	14.3	2.9	1.5
	1000	19.3	19.3	4.0	4.6	23.3	22.5	4.8	3.1	15.0	15.0	3.1	3.2	16.7	16.7	3.4	1.7
	1200	22.2	22.2	4.6	3.8	27.1	25.9	5.5	4.8	17.3	17.3	3.6	2.6	19.2	19.2	4.0	2.6
	200	4.1	4.1	0.7	0.4	4.8	4.8	0.9	1.2	3.1	3.1	0.6	0.2	3.7	3.7	0.7	0.8
	300	5.8	5.8	1.0	1.4	6.5	6.3	1.1	2.5	4.4	4.4	0.8	0.9	5.1	5.1	0.9	1.6
12	[redacted]																
	800	14.8	14.8	2.5	4.9	18.1	18.1	3.1	1.6	11.3	11.3	2.0	3.1	13.0	13.0	2.2	0.9
	1000	18.1	18.1	3.1	3.1	21.5	21.5	3.7	1.9	13.9	13.9	2.4	2.1	15.4	15.4	2.6	1.0
	1200	20.7	20.7	3.6	2.6	24.9	24.9	4.2	2.9	15.9	15.9	2.7	1.8	17.6	17.6	3.0	1.6
	200					4.2	4.2	0.6	0.6								
	300	5.0	5.0	0.7	0.6	5.8	5.8	0.7	1.2	3.6	3.6	0.5	0.4	4.3	4.3	0.5	0.7
16	[redacted]																
	800	12.7	12.7	1.6	2.3	14.5	14.5	1.9	0.6	9.1	9.1	1.2	1.3				
	1000	15.7	15.7	2.0	1.6	17.7	17.7	2.3	0.8	11.5	11.5	1.5	1.0	12.5	12.5	1.6	0.4
	1200	17.8	17.8	2.3	1.4	20.3	20.3	2.6	1.2	12.8	12.8	1.7	0.9	14.3	14.3	1.9	0.6
	200																
	300																
20	[redacted]																
	800	10.4	10.4	1.1	1.1												
	1000	13.2	13.2	1.4	0.9												
	1200	14.7	14.7	1.5	0.7	16.4	16.4	1.7	0.5								

ENTERING AIR 75.0 DB/63.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT A-COIL TH	SH	GPM	PD	40° EWT D-COIL TH	SH	GPM	PD	44° EWT A-COIL TH	SH	GPM	PD	44° EWT D-COIL TH	SH	GPM	PD
	200	7.5	5.3	2.6	4.0	8.4	5.7	2.9	11.8	6.1	4.7	2.1	2.8	6.9	5.1	2.4	8.4
	300	10.1	6.9	3.5	13.4	11.0	7.4	3.7	23.1	8.3	6.1	2.9	9.4	9.2	6.6	3.1	16.5
6	[redacted]																
	800					32.0	22.2	10.8	16.7					26.3	19.7	8.9	11.7
	1000	32.0	22.3	10.9	22.9	37.2	25.8	12.6	18.6	25.9	19.6	8.8	16.4	30.7	22.9	10.4	13.1
	1200	37.4	26.1	12.7	17.3	43.5	30.1	14.7	29.2	30.2	22.9	10.3	12.7	35.8	26.7	12.1	20.5
	200	6.8	5.0	1.8	2.0	7.8	5.5	2.0	6.1	5.5	4.5	1.4	1.4	6.4	4.9	1.7	4.3
	300	9.4	6.6	2.5	6.9	10.5	7.2	2.6	12.4	7.6	5.9	2.0	4.8	8.6	6.4	2.2	8.6
8	[redacted]																
	800	25.0	17.9	6.4	24.7	29.7	21.2	7.5	8.5	19.9	15.7	5.1	16.7	24.7	19.0	6.3	6.0
	1000	29.8	21.3	7.6	12.9	34.6	24.7	8.8	9.6	23.9	18.8	6.1	9.2	28.8	22.2	7.3	6.9
	1200	34.6	24.8	8.8	10.1	40.4	28.7	10.3	15.0	27.7	21.9	7.1	7.3	33.6	25.8	8.6	10.7
	200	6.2	4.8	1.3	1.1	7.3	5.2	1.5	3.5	4.9	4.3	1.0	0.8	5.8	4.7	1.2	2.4
	300	8.7	6.3	1.8	4.0	9.9	6.9	2.0	7.4	7.0	5.6	1.5	2.7	8.0	6.1	1.6	5.0
10	[redacted]																
	800	22.9	17.0	4.7	14.4	28.0	20.4	5.7	5.0	18.2	15.0	3.7	9.6	23.0	18.4	4.7	3.5
	1000	27.6	20.4	5.6	8.1	32.8	23.9	6.7	5.7	22.0	18.1	4.5	5.7	27.1	21.5	5.5	4.1
	1200	31.9	23.7	6.5	6.4	38.2	27.7	7.8	9.0	25.3	20.9	5.2	4.6	31.5	24.9	6.4	6.3
	200	5.6	4.5	1.0	0.7	6.7	5.0	1.2	2.2	4.5	4.1	0.8	0.4	5.3	4.5	0.9	1.5
	300	8.0	6.1	1.4	2.5	9.3	6.7	1.6	4.7	6.4	5.4	1.1	1.7	7.4	5.9	1.2	3.1
12	[redacted]																
	800	21.1	16.2	3.6	9.0	26.3	19.7	4.5	3.2	16.6	14.4	2.8	6.0	21.4	17.7	3.6	2.2
	1000	25.5	19.5	4.3	5.3	31.0	23.1	5.2	3.7	20.3	17.4	3.5	3.7	25.3	20.8	4.3	2.6
	1200	29.3	22.6	5.0	4.3	36.1	26.8	6.1	5.8	23.2	20.1	4.0	3.1	29.4	24.1	5.0	4.0
	200	4.5	4.1	0.6	0.3	5.6	4.6	0.7	1.0					4.5	4.2	0.6	0.6
	300	6.8	5.6	0.9	1.1	8.0	6.1	1.0	2.1	5.4	5.1	0.7	0.7	6.3	5.5	0.8	1.4
16	[redacted]																
	800	17.6	14.8	2.3	4.0	23.0	18.4	2.9	1.5	13.8	13.3	1.8	2.6	17.8	16.4	2.3	0.9
	1000	21.7	18.0	2.8	2.6	27.3	21.6	3.5	1.7	17.1	16.2	2.2	1.8	21.4	19.3	2.7	1.1
	1200	24.6	20.7	3.2	2.2	31.8	25.1	4.1	2.7	19.3	18.6	2.5	1.5	24.8	22.3	3.2	1.7
	200																
	300	5.7	5.2	0.6	0.5	6.8	5.7	0.7	1.0					5.3	5.1	0.5	0.7
20	[redacted]																
	800	14.6	13.6	1.5	2.0	19.2	16.9	2.0	0.7	11.2	11.2	1.2	1.3				
	1000	18.3	16.7	1.9	1.4	23.3	20.0	2.4	0.9	14.2	14.2	1.5	1.0	17.0	17.0	1.7	0.5
	1200	20.5	19.1	2.1	1.2	27.0	23.1	2.8	1.3	15.8	15.8	1.6	0.8	19.6	19.6	2.0	0.7

WTR	CFM	45° EWT A-COIL TH	SH	GPM	PD	45° EWT D-COIL TH	SH	GPM	PD	50° EWT A-COIL TH	SH	GPM	PD	50° EWT D-COIL TH	SH	GPM	PD
	200	5.7	4.6	2.0	2.5	6.5	4.9	2.3	7.6	4.2	4.0	1.5	1.5	4.8	4.3	1.7	4.4
	300	7.8	5.9	2.7	8.5	8.7	6.4	2.9	15.0	5.7	5.1	2.0	4.9	6.4	5.5	2.1	8.5
6	[redacted]																
	800	20.5	16.0	7.0	29.2	25.0	19.1	8.5	10.7	14.7	13.6	5.1	16.5	18.6	16.6	6.3	6.1
	1000	24.5	19.0	8.3	15.1	29.2	22.3	9.9	12.0	17.7	16.4	6.1	9.1	21.7	19.4	7.4	7.0
	1200	28.5	22.2	9.7	11.6	34.1	25.9	11.6	18.7	20.6	19.1	7.1	7.2	25.2	22.4	8.6	10.9
	200	5.2	4.4	1.4	1.2	6.0	4.7	1.6	3.8	3.8	3.8	1.0	0.7	4.4	4.1	1.2	2.2
	300	7.2	5.7	1.9	4.3	8.1	6.2	2.0	7.8	5.2	5.0	1.4	2.5	5.9	5.3	1.5	4.4
8	[redacted]																
	800	18.7	15.2	4.8	15.0	23.4	18.5	6.0	5.5	13.5	13.2	3.5	8.6	17.0	16.0	4.4	3.1
	1000	22.5	18.3	5.8	8.4	27.4	21.6	7.0	6.3	16.4	15.9	4.2	5.1	20.0	18.7	5.1	3.5
	1200	26.1	21.2	6.7	6.6	31.9	25.0	8.1	9.8	18.9	18.5	4.9	4.2	23.2	21.6	6.0	5.5
	200	4.7	4.2	1.0	0.7	5.5	4.5	1.2	2.2	3.5	3.5	0.8	0.4	4.0	4.0	0.9	1.3
	300	6.6	5.5	1.4	2.5	7.6	5.9	1.5	4.5	4.8	4.8	1.1	1.5	5.5	5.2	1.1	2.5
10	[redacted]																
	800	17.1	14.6	3.5	8.7	21.8	17.9	4.4	3.2	12.4	12.4	2.6	5.0	15.3	15.3	3.2	1.7
	1000	20.7	17.5	4.2	5.2	25.6	20.9	5.2	3.7	15.2	15.2	3.1	3.2	18.1	18.1	3.7	2.0
	1200	23.8	20.3	4.9	4.2	29.8	24.2	6.1	5.7	17.4	17.4	3.6	2.6	21.0	21.0	4.3	3.0
	200	4.2	4.0	0.7	0.4	5.0	4.4	0.9	1.3	3.1	3.1	0.6	0.2	3.7	3.7	0.7	0.8
	300	6.1	5.3	1.1	1.5	7.0	5.7	1.2	2.8	4.4	4.4	0.8	0.9	5.1	5.1	0.9	1.6
12	[redacted]																
	800	15.6	14.0	2.7	5.4	20.2	17.2	3.4	2.0	11.3	11.3	2.0	3.1	13.6	13.6	2.3	1.0
	1000	19.0	16.9	3.3	3.4	23.8	20.2	4.1	2.3	13.9	13.9	2.4	2.1	16.2	16.2	2.8	1.1
	1200	21.8	19.6	3.7	2.8	27.7	23.4	4.7	3.6	15.9	15.9	2.8	1.8	18.7	18.7	3.2	1.8
	200					4.2	4.1	0.6	0.6								
	300	5.1	4.9	0.7	0.7	6.0	5.4	0.8	1.2	3.6	3.6	0.5	0.4	4.3	4.3	0.5	0.7
16	[redacted]																
	800	12.9	12.9	1.7	2.4	16.5	15.9	2.1	0.8	9.1	9.1	1.2	1.3				
	1000	16.1	15.8	2.1	1.7	19.8	18.7	2.5	1.0	11.5	11.5	1.5	1.0	12.5	12.5	1.6	0.4
	1200	18.1	18.1	2.3	1.4	23.0	21.6	3.0	1.5	12.8	12.8	1.7	0.8	14.3	14.3	1.9	0.6
	200																
	300																
20	[redacted]																
	800	10.5	10.5	1.1	1.1												
	1000	13.2	13.2	1.4	0.9	15.5	15.5	1.6	0.4								
	1200	14.7	14.7	1.5	0.7	17.8	17.8	1.8	0.6								

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

ENTERING AIR 75.0 DB/64.0 WB, 55 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.9	5.2	2.7	4.5	8.8	5.6	3.0	12.9	6.5	4.6	2.3	3.1	7.3	5.0	2.5	9.3
	300	10.7	6.9	3.7	15.0	11.7	7.4	3.9	25.8	8.8	6.0	3.1	10.5	9.8	6.5	3.3	18.4
	800					34.1	22.0	11.5	18.8					27.9	19.3	9.4	13.0
	1000	34.1	22.1	11.6	25.2	39.7	25.7	13.4	20.9	27.8	19.4	9.5	18.4	32.5	22.4	11.0	14.5
	1200	39.9	25.9	13.5	19.0	46.4	29.9	15.7	32.7	32.6	22.6	11.0	14.1	38.0	26.1	12.9	22.7
8	200	7.2	4.9	1.9	2.2	8.3	5.4	2.1	6.7	5.8	4.3	1.5	1.5	6.7	4.7	1.8	4.7
	300	10.0	6.5	2.6	7.7	11.1	7.1	2.8	13.7	8.1	5.7	2.1	5.3	9.2	6.2	2.3	9.7
	800	26.7	17.7	6.8	27.7	31.6	20.9	8.0	9.5	21.4	15.4	5.5	18.8	25.9	18.4	6.6	6.6
	1000	31.8	21.1	8.1	14.3	36.9	24.4	9.3	10.7	25.6	18.4	6.5	10.2	30.2	21.5	7.7	7.5
	1200	37.0	24.6	9.4	11.1	43.1	28.4	10.9	16.8	29.7	21.4	7.6	8.0	35.3	25.0	9.0	11.7
10	200	6.5	4.6	1.4	1.2	7.7	5.1	1.6	3.9	5.2	4.1	1.1	0.8	6.2	4.5	1.3	2.7
	300	9.2	6.2	1.9	4.5	10.5	6.8	2.1	8.2	7.4	5.5	1.6	3.0	8.5	6.0	1.7	5.6
	800	24.6	16.8	5.0	16.2	29.2	19.9	5.9	5.4	19.4	14.6	4.0	10.7	24.1	17.7	4.9	3.8
	1000	29.4	20.0	6.0	8.9	34.2	23.2	6.9	6.2	23.4	17.5	4.8	6.2	28.3	20.7	5.8	4.4
	1200	34.1	23.3	6.9	7.0	39.9	27.0	8.1	9.7	26.9	20.3	5.5	5.0	33.0	24.1	6.7	6.9
12	200	5.9	4.4	1.0	0.7	7.0	4.9	1.2	2.4	4.6	3.9	0.8	0.5	5.6	4.3	1.0	1.6
	300	8.5	5.9	1.5	2.8	9.8	6.5	1.6	5.2	6.8	5.2	1.2	1.8	7.9	5.7	1.3	3.5
	800	22.5	15.9	3.8	10.1	27.4	19.1	4.6	3.4	17.5	13.9	3.0	6.5	22.4	17.1	3.8	2.4
	1000	27.1	19.1	4.6	5.9	32.2	22.4	5.5	4.0	21.3	16.7	3.6	4.0	26.4	20.0	4.5	2.8
	1200	31.2	22.1	5.3	4.7	37.6	26.0	6.4	6.2	24.4	19.3	4.2	3.3	30.8	23.2	5.2	4.3
16	200	4.7	3.9	0.6	0.3	5.9	4.4	0.8	1.0					4.6	3.9	0.6	0.7
	300	7.2	5.4	1.0	1.2	8.4	6.0	1.1	2.3	5.6	4.8	0.8	0.8	6.6	5.3	0.8	1.5
	800	18.5	14.3	2.4	4.4	23.9	17.7	3.0	1.6	14.3	12.6	1.8	2.8	18.8	15.7	2.4	1.0
	1000	22.8	17.3	2.9	2.8	28.4	20.8	3.6	1.9	17.7	15.4	2.3	1.9	22.5	18.5	2.9	1.2
	1200	25.8	19.9	3.3	2.3	33.1	24.2	4.2	2.9	20.0	17.7	2.6	1.6	26.1	21.4	3.3	1.9
20	200					4.8	4.0	0.5	0.5			0.3					
	300	5.9	4.9	0.6	0.6	7.1	5.5	0.7	1.1					5.4	4.8	0.5	0.7
	800	15.1	12.9	1.6	2.1	20.1	16.2	2.1	0.7	11.4	11.4	1.2	1.3	14.6	14.2	1.5	0.4
	1000	19.0	15.9	2.0	1.5	24.3	19.2	2.5	0.9	14.5	14.2	1.5	1.0	18.0	16.9	1.8	0.5
	1200	21.1	18.1	2.2	1.2	28.2	22.2	2.9	1.4	16.0	16.0	1.7	0.8	20.8	19.4	2.1	0.8

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.1	4.5	2.1	2.8	7.0	4.8	2.4	8.5	4.4	3.8	1.6	1.6	5.1	4.1	1.8	4.6
	300	8.3	5.8	2.9	9.6	9.3	6.3	3.1	16.8	6.0	4.9	2.1	5.4	6.8	5.3	2.3	9.5
	800					26.4	18.6	8.9	11.7	15.6	13.3	5.4	18.2	19.7	16.0	6.7	6.8
	1000	26.3	18.7	8.9	16.8	30.7	21.7	10.4	13.1	18.7	15.7	6.4	10.0	23.0	18.6	7.8	7.8
	1200	30.6	21.8	10.4	12.9	35.9	25.2	12.2	20.5	21.8	18.3	7.5	7.9	26.8	21.6	9.1	12.1
8	200	5.5	4.2	1.4	1.4	6.4	4.6	1.7	4.3	3.9	3.7	1.0	0.8	4.6	3.9	1.2	2.4
	300	7.6	5.5	2.0	4.8	8.7	6.0	2.2	8.7	5.4	4.7	1.5	2.7	6.2	5.1	1.6	4.8
	800	20.1	14.9	5.1	16.9	24.6	17.9	6.2	6.0	14.1	12.5	3.6	9.2	18.0	15.4	4.6	8.4
	1000	24.0	17.8	6.1	9.3	28.7	20.9	7.3	6.8	17.0	15.1	4.4	5.5	21.2	18.0	5.4	3.9
	1200	27.9	20.7	7.1	7.3	33.5	24.3	8.5	10.7	19.7	17.6	5.1	4.4	24.6	20.8	6.3	6.1
10	200	4.9	4.0	1.0	0.7	5.8	4.4	1.2	2.4	3.5	3.5	0.8	0.4	4.1	3.8	0.9	1.3
	300	7.0	5.3	1.5	2.7	8.0	5.8	1.6	5.0	5.0	4.6	1.1	1.5	5.7	4.9	1.2	2.7
	800	18.1	14.1	3.7	9.6	22.8	17.2	4.7	3.5	12.7	12.0	2.6	5.2	16.3	14.8	3.4	1.9
	1000	21.9	17.0	4.5	5.6	26.8	20.2	5.5	4.0	15.5	14.6	3.2	3.3	19.3	17.3	4.0	2.2
	1200	25.3	19.7	5.2	4.5	31.3	23.4	6.4	6.2	17.8	16.9	3.7	2.7	22.4	20.0	4.6	3.4
12	200	4.3	3.8	0.8	0.4	5.2	4.2	0.9	1.4	3.1	3.1	0.6	0.2	3.8	3.7	0.7	0.8
	300	6.3	5.1	1.1	1.7	7.4	5.5	1.2	3.1	4.5	4.4	0.8	0.9	5.2	4.8	0.9	1.6
	800	16.4	13.4	2.8	5.8	21.1	16.6	3.6	2.1	11.5	11.5	2.0	3.2	14.5	14.1	2.5	1.1
	1000	20.0	16.2	3.4	3.7	25.0	19.4	4.2	2.5	14.1	14.1	2.4	2.2	17.3	16.6	3.0	1.3
	1200	22.8	18.7	3.9	3.0	29.0	22.5	4.9	3.9	16.1	16.1	2.8	1.8	20.1	19.1	3.4	1.9
16	200					4.3	3.8	0.6	0.6								
	300	5.2	4.7	0.7	0.7	6.2	5.1	0.8	1.3	3.6	3.6	0.5	0.4	4.3	4.3	0.5	0.7
	800	13.3	12.3	1.7	2.5	17.4	15.2	2.2	0.9	9.1	9.1	1.2	1.3				
	1000	16.5	15.0	2.1	1.7	21.0	17.9	2.7	1.1	11.5	11.5	1.5	1.0	13.1	13.1	1.7	0.5
	1200	18.6	17.2	2.4	1.5	24.3	20.7	3.1	1.7	12.8	12.8	1.7	0.8	15.1	15.1	2.0	0.7
20	200																
	300					5.0	4.7	0.5	0.6								
	800	10.6	10.6	1.1	1.1												
	1000	13.4	13.4	1.4	0.9	16.3	16.3	1.7	0.5								
	1200	14.8	14.8	1.5	0.8	18.8	18.8	1.9	0.7								

ENTERING AIR 78.0 DB/63.5 WB, 45 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.8	5.9	2.7	4.3	8.7	6.3	3.0	12.6	6.5	5.4	2.3	3.1	7.3	5.7	2.5	9.2
	300	10.4	7.7	3.6	14.2	11.4	8.2	3.8	24.5	8.7	6.9	3.0	10.3	9.6	7.4	3.2	18.0
	800					32.9	24.5	11.1	17.6					27.9	22.3	9.5	13.0
	1000	32.9	24.6	11.2	23.9	38.3	28.5	12.9	19.6	27.1	22.1	9.2	17.7	32.6	26.0	11.0	14.6
	1200	38.5	28.8	13.0	18.1	44.7	33.1	15.1	30.6	31.7	25.8	10.8	13.6	38.0	30.1	12.9	22.7
8	200	7.2	5.7	1.9	2.2	8.2	6.1	2.1	6.6	5.9	5.2	1.6	1.6	6.8	5.5	1.8	4.8
	300	9.8	7.4	2.6	7.5	10.9	8.0	2.7	13.3	8.1	6.7	2.1	5.3	9.1	7.2	2.3	9.6
	800	25.9	19.9	6.6	26.2	31.3	23.7	7.9	9.4	21.1	17.9	5.4	18.5	26.4	21.7	6.7	6.9
	1000	30.9	23.7	7.9	13.7	36.5	27.7	9.3	10.6	25.4	21.4	6.5	10.1	30.9	25.3	7.8	7.8
	1200	35.8	27.6	9.1	10.6	42.6	32.2	10.8	16.5	29.5	24.9	7.5	8.0	35.9	29.3	9.1	12.1
10	200	6.6	5.4	1.4	1.2	7.7	5.9	1.6	3.9	5.5	5.0	1.2	0.9	6.3	5.4	1.3	2.8
	300	9.2	7.1	1.9	4.4	10.4	7.7	2.1	8.0	7.6	6.5	1.6	3.1	8.6	7.0	1.7	5.7
	800	24.1	19.1	4.9	15.6	29.7	23.1	6.0	5.6	19.6	17.2	4.0	11.0	24.9	21.1	5.1	4.0
	1000	28.9	22.9	5.9	8.7	34.8	26.9	7.1	6.4	23.7	20.8	4.9	6.4	29.2	24.6	5.9	4.7
	1200	33.5	26.6	6.8	6.9	40.5	31.3	8.2	10.0	27.4	24.1	5.6	5.1	34.0	28.5	6.9	7.2
12	200	6.1	5.2	1.1	0.8	7.1	5.7	1.2	2.5	5.0	4.8	0.9	0.6	5.9	5.2	1.0	1.7
	300	8.6	6.9	1.5	2.8	9.8	7.5	1.6	5.2	7.1	6.3	1.3	2.0	8.1	6.8	1.3	3.6
	800	22.4	18.4	3.8	10.0	28.1	22.4	4.8	3.6	18.2	16.7	3.1	7.0	23.9	20.4	3.9	2.5
	1000	27.0	22.1	4.6	5.8	33.1	26.2	5.6	4.2	22.2	20.2	3.8	4.3	27.4	23.9	4.7	3.0
	1200	31.2	25.6	5.3	4.7	38.5	30.4	6.5	6.5	25.5	23.4	4.3	3.5	31.9	27.7	5.4	4.6
16	200	5.1	4.9	0.7	0.3	6.2	5.3	0.8	1.1	4.2	4.2	0.6	0.2	5.1	4.9	0.7	0.8
	300	7.5	6.5	1.0	1.3	8.7	7.0	1.1	2.4	6.1	6.0	0.8	0.9	7.1	6.4	0.9	1.7
	800	19.3	17.1	2.5	4.7	24.9	21.1	3.2	1.7	15.7	15.7	2.0	3.3	19.9	19.1	2.5	1.1
	1000	23.6	20.7	3.0	3.0	29.6	24.8	3.8	2.0	19.4	19.1	2.5	2.2	23.8	22.6	3.0	1.3
	1200	26.9	23.9	3.4	2.5	34.4	28.7	4.4	3.1	22.0	22.0	2.8	1.8	27.5	26.0	3.5	2.1
20	200					5.3	5.0	0.6	0.6								
	300	6.5	6.1	0.7	0.7	7.6	6.7	0.8	1.3	5.2	5.2	0.6	0.5	6.2	6.2	0.6	0.9
	800	16.5	16.0	1.7	2.4	21.4	19.7	2.2	0.8	13.4	13.4	1.4	1.7	16.1	16.1	1.7	0.5
	1000	20.6	19.6	2.1	1.7	25.7	23.3	2.6	1.0	16.7	16.7	1.7	1.2	19.6	19.6	2.0	0.6
	1200	23.2	22.5	2.4	1.4	29.8	26.9	3.0	1.6	18.8	18.8	1.9	1.1	22.6	22.6	2.3	1.0

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.2	5.3	2.1	2.8	6.9	5.6	2.4	8.4	4.8	4.8	1.7	1.8	5.3	5.0	1.9	5.3
	300	8.2	6.7	2.9	9.4	9.2	7.2	3.1	16.4	6.3	6.0	2.3	5.9	7.0	6.4	2.3	10.0
	800					26.7	21.8	9.0	12.0	16.4	16.0	6.6	19.8	20.3	19.3	6.9	7.3
	1000	25.8	21.5	8.8	16.3	31.1	25.4	10.5	13.4	19.8	19.3	6.8	10.8	23.8	22.5	8.1	8.2
	1200	30.1	25.1	10.2	12.6	36.2	29.4	12.3	20.9	22.9	22.4	7.8	8.4	27.5	25.9	9.4	12.7
8	200	5.6	5.1	1.5	1.4	6.5	5.4	1.7	4.4	4.4	4.4	1.2	0.9	5.0	4.9	1.3	2.8
	300	7.7	6.5	2.0	4.9	8.6	7.0	2.2	8.7	5.9	5.9	1.6	3.1	6.6	6.3	1.7	5.3
	800	20.0	17.4	5.1	16.9	25.2	21.2	6.4	6.3	15.4	15.4	4.0	10.7	18.8	18.8	4.8	3.7
	1000	24.1	20.9	6.2	9.3	29.4	24.7	7.5	7.1	18.6	18.6	4.8	6.2	22.0	22.0	5.6	4.2
	1200	27.9	24.3	7.1	7.3	34.3	28.6	8.7	11.1	21.5	21.5	5.5	5.0	25.6	25.2	6.5	6.5
10	200	5.2	4.9	1.1	0.8	6.0	5.2	1.3	2.5	4.1	4.1	0.9	0.5	4.7	4.7	1.0	1.6
	300	7.2	6.3	1.5	2.9	8.1	6.8	1.6	5.2	5.6	5.6	1.2	1.9	6.3	6.2	1.3	3.2
	800	18.6	16.9	3.8	10.0	23.6	20.6	4.8	3.7	14.3	14.3	3.0	6.4	17.2	17.2	3.5	2.1
	1000	22.5	20.3	4.6	5.9	27.8	24.0	5.7	4.2	17.5	17.5	3.6	4.0	20.2	20.2	4.2	2.4
	1200	26.0	23.5	5.3	4.7	32.3	27.8	6.6	6.6	20.1	20.1	4.1	3.3	23.4	23.4	4.8	3.7
12	200	4.8	4.8	0.8	0.5	5.6	5.1	1.0	1.6	3.7	3.7	0.7	0.3	4.4	4.4	0.8	1.0
	300	6.7	6.2	1.2	1.8	7.7	6.6	1.3	3.3	5.2	5.2	0.9	1.2	5.9	5.9	1.0	2.1
	800	17.3	16.3	3.0	6.4	22.0	19.9	3.7	2.3	13.4	13.4	2.9	4.1	15.4	15.4	2.6	1.2
	1000	21.1	19.7	3.6	4.0	26.0	23.4	4.4	2.7	16.3	16.3	2.8	2.7	18.4	18.4	3.2	1.4
	1200	24.2	22.9	4.1	3.3	30.2	27.0	5.1	4.2	18.7	18.7	3.2	2.2	21.2	21.2	3.6	2.2
16	200	4.0	4.0	0.5	0.2	4.9	4.9	0.6	0.7					3.7	3.7	0.5	0.5
	300	5.8	5.8	0.8	0.8	6.7	6.3	0.8	1.5	4.4	4.4	0.6	0.5	5.2	5.2	0.7	1.0
	800	14.9	14.9	2.0	3.0	18.6	18.6	2.4	1.0	11.3	11.3	1.5	1.9	12.9	12.9	1.7	0.5
	1000	18.4	18.4	2.4	2.0	22.2	22.0	2.8	1.2	14.0	14.0	1.8	1.3	15.3	15.3	2.0	0.6
	1200	20.9	20.9	2.7	1.7	25.7	25.3	3.3	1.8	15.8	15.8	2.1	1.1	17.6	17.6	2.3	0.9
20	200																
	300	5.0	5.0	0.5	0.4	5.9	5.9	0.6	0.8								
	800	12.6	12.6	1.3	1.5	14.9	14.9	1.5	0.4								
	1000	15.8	15.8	1.6	1.1	18.1	18.1	1.9	0.5	11.4	11.4	1.2	0.7				
	1200	17.7	17.7	1.8	1.0	20.9	20.9	2.1	0.8	12.6	12.6	1.3	0.6				

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

ENTERING AIR 78.0 DB/65.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.5	5.8	2.9	5.0	9.4	6.2	3.2	14.4	7.0	5.2	2.4	3.6	7.9	5.5	2.7	10.6
	300	11.4	7.6	3.9	16.6	12.4	8.1	4.1	28.5	9.5	6.7	3.3	12.0	10.5	7.2	3.5	20.9
	800					36.0	24.2	12.2	20.8					30.0	21.5	10.1	14.8
	1000	36.1	24.3	12.2	27.6	41.9	28.1	14.1	28.1	29.9	21.6	10.1	20.5	34.9	25.0	11.8	16.5
	1200					49.0	32.8	16.5	36.2	34.9	25.2	11.8	15.6	40.7	29.1	13.8	25.8
8	200	7.8	5.5	2.0	2.5	8.8	5.9	2.3	7.6	6.4	4.9	1.7	1.8	7.3	5.3	1.9	5.5
	300	10.6	7.2	2.8	8.6	11.8	7.8	2.9	15.3	8.8	6.5	2.3	6.2	9.9	7.0	2.5	11.1
	800					33.6	23.1	8.5	10.7	23.1	17.0	5.9	21.6	28.2	20.8	7.2	7.7
	1000	33.8	23.3	8.6	15.7	39.1	26.9	9.9	12.0	27.7	20.7	7.1	11.6	32.9	24.2	8.4	8.7
	1200	39.4	27.2	10.0	12.1	45.8	31.3	11.6	18.8	32.2	24.1	8.2	9.0	38.4	28.1	9.8	13.6
10	200	7.1	5.2	1.5	1.4	8.2	5.7	1.7	4.5	5.8	4.7	1.2	1.0	6.8	5.1	1.4	3.2
	300	9.9	6.9	2.1	5.1	11.2	7.5	2.2	9.2	8.1	6.2	1.7	3.6	9.3	6.7	1.9	6.6
	800	26.3	18.7	5.4	18.2	31.5	22.2	6.4	6.9	21.2	16.5	4.3	12.6	26.5	20.1	5.4	4.5
	1000	31.6	22.3	6.4	9.9	36.8	25.9	7.5	7.1	25.6	19.9	5.2	7.2	31.0	23.5	6.3	5.2
	1200	36.6	25.9	7.4	7.8	43.0	30.1	8.7	11.1	29.6	23.1	6.0	5.7	36.2	27.2	7.4	8.1
12	200	6.5	5.0	1.1	0.9	7.7	5.5	1.3	2.8	5.2	4.5	0.9	0.6	6.2	4.9	1.1	1.9
	300	9.2	6.6	1.6	3.2	10.6	7.3	1.8	6.0	7.5	6.0	1.3	2.2	8.7	6.5	1.4	4.1
	800	24.3	17.8	4.1	11.5	29.8	21.5	5.0	4.0	19.5	15.8	3.3	7.9	24.8	19.4	4.2	2.9
	1000	29.3	21.4	5.0	6.6	35.0	25.1	5.9	4.6	23.7	19.1	4.0	4.7	29.2	22.8	5.0	3.3
	1200	33.8	24.8	5.7	5.3	40.8	29.2	6.9	7.2	27.2	22.1	4.6	3.9	34.0	26.4	5.8	5.2
16	200	5.3	4.5	0.7	0.4	6.5	5.0	0.9	1.2	4.3	4.2	0.6	0.2	5.3	4.6	0.7	0.8
	300	7.9	6.1	1.0	1.4	9.3	6.7	1.2	2.8	6.4	5.6	0.9	1.0	7.5	6.1	0.9	1.9
	800	20.6	16.3	2.6	5.2	26.4	20.1	3.4	1.9	16.4	14.7	2.1	3.5	21.4	18.1	2.7	1.3
	1000	25.1	19.7	3.2	3.3	31.3	23.6	4.0	2.2	20.2	17.8	2.6	2.3	25.5	21.4	3.3	1.5
	1200	28.7	22.7	3.7	2.7	36.4	27.4	4.6	3.4	22.9	20.5	2.9	2.0	29.6	24.7	3.8	2.4
20	200					5.5	4.7	0.6	0.6								
	300	6.7	5.7	0.7	0.7	8.0	6.3	0.8	1.4	5.3	5.2	0.6	0.5	6.4	5.7	0.6	0.9
	800	17.3	15.0	1.8	2.6	22.8	18.7	2.3	0.9	13.6	13.6	1.4	1.7	17.4	16.7	1.8	0.6
	1000	21.5	18.3	2.2	1.8	27.4	22.1	2.8	1.2	17.1	16.7	1.8	1.3	21.2	19.8	2.2	0.7
	1200	24.2	21.0	2.5	1.5	31.8	25.5	3.2	1.8	19.1	19.1	2.0	1.1	24.5	22.8	2.5	1.1

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.7	5.0	2.3	3.3	7.5	5.4	2.6	9.8	5.0	4.4	1.8	2.0	5.7	4.7	2.0	5.9
	300	9.0	6.5	3.2	11.0	10.0	7.0	3.3	19.2	6.7	5.7	2.4	6.6	7.6	6.0	2.5	11.6
	800					28.6	20.9	9.7	13.6	17.5	15.1	6.0	22.2	22.0	18.3	7.5	8.4
	1000	28.3	20.9	9.6	18.9	33.3	24.4	11.3	15.2	21.0	18.1	7.2	11.9	25.7	21.3	8.7	9.5
	1200	33.1	24.4	11.2	14.4	38.9	28.3	13.2	23.8	24.5	21.1	8.4	9.3	29.9	24.7	10.2	14.7
8	200	6.0	4.8	1.6	1.6	7.0	5.2	1.8	5.0	4.5	4.3	1.2	1.0	5.2	4.5	1.4	3.0
	300	8.3	6.3	2.2	5.6	9.4	6.8	2.4	10.2	6.2	5.5	1.7	3.3	7.0	5.9	1.8	6.0
	800	21.9	16.8	5.6	19.6	26.9	20.2	6.8	7.1	16.0	14.5	4.1	11.5	20.4	17.7	5.2	4.3
	1000	26.2	20.1	6.7	10.6	31.4	23.6	8.0	8.0	19.4	17.5	5.0	6.6	23.9	20.7	6.1	4.9
	1200	30.4	23.4	7.8	8.3	36.7	27.4	9.3	12.5	22.4	20.3	5.8	5.3	27.8	24.0	7.1	7.6
10	200	5.5	4.6	1.2	0.9	6.4	5.0	1.3	2.9	4.1	4.1	0.9	0.5	4.8	4.4	1.0	1.7
	300	7.7	6.0	1.6	3.2	8.8	6.5	1.8	6.0	5.7	5.3	1.2	1.9	6.5	5.7	1.3	3.5
	800	20.0	16.1	4.1	11.4	25.2	19.6	5.1	4.2	14.8	14.1	3.0	6.8	18.8	17.2	3.8	2.4
	1000	24.2	19.3	4.9	6.6	29.6	22.9	6.0	4.8	17.9	17.0	3.7	4.1	22.1	20.1	4.5	2.8
	1200	27.9	22.4	5.7	5.3	34.5	26.5	7.0	7.4	20.6	19.7	4.2	3.4	25.7	23.2	5.3	4.4
12	200	4.9	4.4	0.9	0.5	5.9	4.8	1.0	1.8	3.7	3.7	0.7	0.3	4.4	4.3	0.8	1.1
	300	7.1	5.8	1.3	2.0	8.2	6.3	1.4	3.7	5.3	5.2	1.0	1.2	6.1	5.6	1.0	2.2
	800	18.3	15.4	3.1	7.1	23.5	18.9	4.0	2.6	13.6	13.6	2.3	4.2	17.1	16.6	2.9	1.4
	1000	22.3	18.6	3.8	4.3	27.8	22.2	4.7	3.0	16.6	16.6	2.9	2.7	20.2	19.4	3.5	1.7
	1200	25.7	21.6	4.4	3.5	32.3	25.7	5.5	4.7	19.0	19.0	3.3	2.3	23.5	22.4	4.0	2.6
16	200	4.0	4.0	0.5	0.2	5.0	4.5	0.7	0.8					3.7	3.7	0.5	0.5
	300	6.0	5.4	0.8	0.9	7.0	5.9	0.9	1.7	4.4	4.4	0.6	0.5	5.2	5.2	0.7	1.0
	800	15.4	14.3	2.0	3.2	20.1	17.6	2.6	1.1	11.3	11.3	1.5	1.9	13.4	13.4	1.7	0.5
	1000	19.0	17.4	2.4	2.1	23.9	20.8	3.1	1.4	14.1	14.1	1.8	1.4	16.2	16.2	2.1	0.7
	1200	21.6	20.1	2.8	1.8	27.8	24.0	3.6	2.1	15.9	15.9	2.1	1.2	18.7	18.7	2.4	1.0
20	200																
	300	5.0	5.0	0.5	0.4	6.0	5.6	0.6	0.8								
	800	12.8	12.8	1.3	1.6	16.1	16.1	1.7	0.5								
	1000	16.1	16.1	1.7	1.2	19.6	19.2	2.0	0.6	11.4	11.4	1.2	0.7				
	1200	18.0	18.0	1.9	1.0	22.6	22.1	2.3	1.0	12.6	12.6	1.3	0.6				

ENTERING AIR 78.0 DB/68.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.1	5.6	3.5	6.9	11.0	6.1	3.8	19.3	8.5	5.0	2.9	5.1	9.5	5.4	3.2	14.7
	300	13.5	7.4	4.6	22.4	14.6	8.0	4.9	38.4	11.5	6.6	4.0	16.9	12.6	7.1	4.2	29.4
	800					42.7	23.7	14.4	28.5					36.5	20.9	12.3	21.4
	1000					49.7	27.5	16.7	31.5	36.5	21.0	12.3	28.0	42.5	24.4	14.3	23.7
	1200					58.1	32.2	19.6	49.4					49.7	28.4	16.8	37.1
8	200	9.3	5.3	2.4	3.5	10.4	5.8	2.7	10.2	7.7	4.6	2.0	2.5	8.8	5.1	2.3	7.5
	300	12.7	7.1	3.3	11.9	13.9	7.7	3.5	20.8	10.7	6.2	2.8	8.7	11.9	6.8	3.0	15.6
	800					40.2	22.6	10.2	14.9					33.9	19.8	8.6	10.9
	1000	40.4	22.7	10.2	20.8	46.9	26.3	11.8	16.6	34.1	20.0	8.7	16.0	39.5	23.1	10.0	12.2
	1200	47.2	26.5	11.9	15.8	54.8	30.7	13.8	26.1	39.6	23.3	10.0	12.2	46.2	27.0	11.7	19.1
10	200	8.4	4.9	1.7	1.9	9.7	5.5	2.0	6.0	6.9	4.3	1.4	1.4	8.1	4.8	1.7	4.3
	300	11.9	6.7	2.5	7.0	13.3	7.4	2.7	12.6	9.8	5.9	2.1	5.0	11.1	6.4	2.2	9.2
	800	31.9	18.2	6.5	25.4	37.6	21.4	7.6	8.7	26.3	15.8	5.4	18.2	31.1	18.7	6.3	6.1
	1000	38.1	21.7	7.7	13.3	44.0	25.0	8.9	9.8	31.5	18.9	6.4	9.9	36.4	21.8	7.4	7.0
	1200	44.3	25.3	9.0	10.4	51.4	29.2	10.4	15.4	36.5	22.0	7.4	7.8	42.6	25.5	8.6	10.9
12	200	7.7	4.6	1.3	1.2	9.0	5.2	1.6	3.7	6.1	4.0	1.1	0.8	7.4	4.5	1.3	2.6
	300	11.1	6.4	1.9	4.4	12.5	7.0	2.1	8.1	9.0	5.5	1.6	3.0	10.4	6.1	1.7	5.8
	800	29.7	17.2	5.0	16.9	35.0	20.3	5.9	5.4	23.9	14.9	4.1	11.2	28.5	17.7	4.8	3.7
	1000	35.5	20.6	6.0	8.9	41.0	23.7	6.9	6.2	28.7	17.8	4.9	6.4	33.4	20.6	5.6	4.2
	1200	41.1	23.9	7.0	7.1	47.9	27.7	8.1	9.7	33.1	20.7	5.6	5.1	39.0	24.0	6.6	6.6
16	200	6.1	4.0	0.8	0.5	7.6	4.6	1.0	1.6	4.7	3.6	0.6	0.3	6.1	4.0	0.8	1.1
	300	9.4	5.7	1.2	1.9	10.9	6.4	1.4	3.7	7.4	4.9	1.0	1.3	8.8	5.5	1.1	2.5
	800	24.7	15.2	3.2	7.2	29.9	18.2	3.8	2.4	19.1	13.1	2.4	4.6	24.5	16.2	3.1	1.6
	1000	30.1	18.4	3.8	4.4	35.2	21.4	4.5	2.7	23.5	15.9	3.0	3.0	29.1	19.0	3.7	1.9
	1200	34.3	21.2	4.4	3.5	41.1	24.9	5.2	4.3	26.6	18.3	3.4	2.4	33.9	22.1	4.3	3.0
20	200	4.8	3.6	0.5	0.2	6.3	4.1	0.7	0.8					4.8	3.6	0.5	0.5
	300	7.7	5.1	0.8	0.9	9.3	5.7	0.9	1.8	5.9	4.4	0.6	0.6	7.2	4.9	0.7	1.1
	800	20.0	13.5	2.1	3.4	25.9	16.7	2.6	1.2	15.1	11.7	1.6	2.1	20.3	14.7	2.1	0.8
	1000	24.8	16.4	2.5	2.3	30.8	19.7	3.1	1.4	19.0	14.3	2.0	1.5	24.5	17.4	2.5	0.9
	1200	27.9	18.7	2.8	1.9	35.9	22.9	3.7	2.2	21.1	16.4	2.2	1.2	28.5	20.2	2.9	1.5

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.1	4.8	2.8	4.6	9.0	5.2	3.1	13.5	6.0	4.0	2.1	2.7	6.9	4.3	2.4	8.4
	300	11.0	6.3	3.8	15.6	12.1	6.8	4.0	27.2	8.3	5.2	2.9	9.5	9.3	5.7	3.1	17.0
	800					34.9	20.3	11.8	19.7					26.4	16.9	9.0	11.8
	1000	34.8	20.3	11.8	26.1	40.6	23.6	13.7	21.8	26.4	16.9	9.0	16.9	30.8	19.6	10.4	13.2
	1200	40.8	23.8	13.8	19.6	47.5	27.5	16.0	34.2	30.8	19.8	10.5	13.0	36.0	22.9	12.2	20.7
8	200	7.3	4.5	1.9	2.2	8.4	4.9	2.2	6.9	5.3	3.7	1.4	1.3	6.3	4.1	1.6	4.1
	300	10.2	6.0	2.7	8.0	11.4	6.5	2.9	14.4	7.5	5.0	2.0	4.7	8.6	5.4	2.2	8.6
	800	27.2	16.2	6.9	28.6	32.2	19.2	8.2	9.9	19.7	13.3	5.1	16.5	24.1	16.0	6.1	5.8
	1000	32.4	19.3	8.2	14.8	37.6	22.3	9.5	11.1	23.7	15.9	6.1	9.1	28.1	18.6	7.2	6.6
	1200	37.8	22.5	9.6	11.4	44.0	26.0	11.1	17.5	27.5	18.5	7.0	7.2	32.9	21.7	8.4	10.3
10	200	6.5	4.2	1.4	1.2	7.7	4.6	1.6	3.9	4.6	3.5	1.0	0.7	5.6	3.9	1.2	2.3
	300	9.3	5.6	2.0	4.5	10.6	6.2	2.1	8.4	6.7	4.7	1.4	2.6	7.9	5.2	1.6	4.8
	800	24.8	15.2	5.1	16.5	29.4	18.0	6.0	5.5	17.5	12.5	3.6	9.0	22.1	15.3	4.5	3.3
	1000	29.8	18.2	6.1	9.1	34.4	21.1	7.0	6.3	21.2	15.0	4.3	5.3	25.9	17.9	5.3	3.8
	1200	34.5	21.2	7.0	7.2	40.3	24.6	8.2	9.9	24.4	17.4	5.0	4.3	30.3	20.8	6.2	5.9
12	200	5.7	3.9	1.0	0.7	7.0	4.4	1.2	2.4	4.0	3.3	0.7	0.4	5.0	3.7	0.9	1.3
	300	8.5	5.3	1.5	2.7	9.8	5.9	1.6	5.2	6.0	4.5	1.1	1.5	7.1	4.9	1.2	2.9
	800	22.3	14.3	3.8	10.0	27.1	17.1	4.6	3.4	15.5	11.8	2.7	5.3	20.2	14.6	3.4	2.0
	1000	27.0	17.2	4.6	5.8	31.8	20.0	5.4	3.9	18.9	14.3	3.3	3.4	23.8	17.1	4.1	2.3
	1200	31.1	19.9	5.3	4.7	37.2	23.3	6.3	6.1	21.6	16.5	3.7	2.8	27.8	19.9	4.7	3.6
16	200	4.4	3.4	0.6	0.3	5.7	3.9	0.7	1.0					3.9	3.3	0.5	0.5
	300	6.9	4.8	0.9	1.1	8.2	5.3	1.0	2.2	4.7	4.0	0.6	0.6	5.7	4.4	0.7	1.1
	800	17.8	12.6	2.3	4.1	23.1	15.7	2.9	1.5	12.1	10.7	1.6	2.1	16.1	13.3	2.1	0.8
	1000	22.0	15.4	2.8	2.7	27.5	18.5	3.5	1.7	15.1	13.0	2.0	1.5	19.3	15.7	2.5	0.9
	1200	24.8	17.6	3.2	2.2	32.1	21.4	4.1	2.7	16.9	14.9	2.2	1.3	22.5	18.1	2.9	1.4
20	200																
	300	5.5	4.3	0.6	0.5	6.7	4.8	0.7	1.0								
	800	14.0	11.3	1.4	1.8	18.9	14.2	1.9	0.7								
	1000	17.6	13.9	1.8	1.3	22.8	16.8	2.3	0.8	11.7	11.7	1.2	0.7				
	1200	19.6	15.8	2.0	1.1	26.5	19.5	2.7	1.3	12.9	12.9	1.3	0.6	16.5	16.1	1.7	0.5

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 80.0 DB/63.5 WB, 40 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.9	6.4	2.7	4.5	8.8	6.8	3.0	12.8	6.7	5.9	2.3	3.3	7.4	6.2	2.6	9.5
	300	10.5	8.2	3.7	14.4	11.5	8.7	3.8	24.9	8.8	7.5	3.1	10.6	9.8	8.0	3.3	18.4
	800					33.5	26.3	11.3	18.2					28.6	24.2	9.7	13.6
	1000	33.0	26.3	11.2	24.0	39.0	30.7	13.2	20.3	27.6	24.0	9.4	18.2	33.4	28.2	11.3	15.3
	1200	38.7	30.8	13.1	18.2	45.4	35.6	15.4	31.5	32.2	28.0	10.9	13.9	38.8	32.7	13.1	23.7
8	200	7.3	6.2	1.9	2.3	8.3	6.6	2.1	6.8	6.2	5.7	1.6	1.7	7.0	6.0	1.8	5.0
	300	9.9	8.0	2.6	7.7	11.0	8.5	2.8	13.6	8.3	7.3	2.2	5.6	9.3	7.8	2.3	9.9
	800	26.1	21.4	6.6	26.7	32.0	25.7	8.1	9.8	21.7	19.5	5.5	19.4	27.2	23.6	6.9	7.2
	1000	31.1	25.5	7.9	13.8	37.3	29.9	9.5	11.0	26.1	23.4	6.7	10.5	31.8	27.6	8.1	8.2
	1200	36.2	29.7	9.2	10.7	43.5	34.7	11.0	17.1	30.4	27.3	7.7	8.3	37.0	31.9	9.4	12.7
10	200	6.8	5.9	1.4	1.3	7.8	6.4	1.6	4.1	5.8	5.5	1.2	1.0	6.6	5.9	1.4	3.0
	300	9.4	7.8	2.0	4.6	10.5	8.3	2.1	8.3	7.9	7.2	1.7	3.4	8.8	7.6	1.8	6.0
	800	24.5	20.7	5.0	16.1	30.5	25.1	6.2	5.9	20.4	18.9	4.2	11.7	25.7	23.1	5.2	4.3
	1000	29.4	24.8	6.0	8.9	35.7	29.3	7.2	6.7	24.7	22.9	5.0	6.8	30.2	27.0	6.1	4.9
	1200	34.2	28.8	7.0	7.1	41.6	33.9	8.4	10.4	28.5	26.5	5.8	5.4	35.1	31.2	7.1	7.7
12	200	6.4	5.8	1.1	0.8	7.4	6.2	1.3	2.6	5.4	5.4	0.9	0.6	6.2	5.8	1.1	1.9
	300	8.8	7.5	1.5	2.9	10.0	8.1	1.7	5.4	7.4	7.0	1.3	2.2	8.4	7.5	1.4	3.9
	800	23.0	20.0	3.9	10.4	29.0	24.4	4.9	3.8	19.2	18.5	3.3	7.7	24.2	22.5	4.1	2.7
	1000	27.8	24.1	4.7	6.1	34.1	28.6	5.8	4.4	23.3	22.3	4.0	4.6	28.5	26.3	4.8	3.2
	1200	32.0	28.0	5.4	4.9	39.7	33.1	6.7	6.8	26.8	25.9	4.6	3.8	33.1	30.4	5.6	4.9
16	200	5.5	5.5	0.7	0.4	6.5	5.9	0.8	1.2	4.6	4.6	0.6	0.3	5.5	5.5	0.7	0.9
	300	7.9	7.2	1.0	1.4	9.0	7.7	1.1	2.6	6.6	6.6	0.9	1.0	7.5	7.2	0.9	1.9
	800	20.2	18.9	2.6	5.1	25.9	23.2	3.3	1.8	16.9	16.9	2.2	3.7	20.9	20.9	2.7	1.2
	1000	24.8	22.9	3.2	3.2	30.7	27.2	3.9	2.1	20.8	20.8	2.7	2.5	24.9	24.9	3.2	1.5
	1200	28.3	26.4	3.6	2.7	35.6	31.4	4.5	3.3	23.7	23.7	3.0	2.1	28.8	28.8	3.7	2.2
20	200					5.7	5.6	0.6	0.7					4.8	4.8	0.5	0.5
	300	6.9	6.8	0.7	0.7	8.0	7.4	0.8	1.4	5.8	5.8	0.6	0.5	6.8	6.8	0.7	1.0
	800	17.8	17.8	1.8	2.7	22.4	21.8	2.3	0.9	14.7	14.7	1.5	2.0	17.3	17.3	1.8	0.6
	1000	22.0	22.0	2.3	1.9	26.9	25.7	2.7	1.1	18.4	18.4	1.9	1.4	20.9	20.9	2.1	0.7
	1200	24.9	24.9	2.5	1.6	31.2	29.7	3.2	1.7	20.7	20.7	2.1	1.2	24.1	24.1	2.5	1.1

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.4	5.8	2.2	3.0	7.1	6.1	2.5	8.8	5.2	5.2	1.8	2.1	5.7	5.6	2.0	5.9
	300	8.5	7.4	3.0	9.8	9.3	7.8	3.1	17.0	6.8	6.8	2.4	6.7	7.4	7.1	2.5	11.1
	800					27.4	23.7	9.3	12.6	17.5	17.5	6.0	22.1	21.1	21.1	7.2	7.8
	1000	26.4	23.5	9.0	16.9	31.9	27.6	10.8	14.1	21.1	21.1	7.2	12.0	24.7	24.7	8.4	8.8
	1200	30.7	27.4	10.4	12.9	37.2	32.0	12.6	21.9	24.5	24.5	8.4	9.3	28.6	28.6	9.7	13.6
8	200	5.9	5.6	1.6	1.6	6.7	5.9	1.7	4.6	4.8	4.8	1.3	1.1	5.4	5.4	1.4	3.2
	300	8.0	7.2	2.1	5.2	8.9	7.6	2.2	9.1	6.4	6.4	1.7	3.6	7.1	7.1	1.8	6.1
	800	20.7	19.1	5.3	17.9	25.9	23.1	5.6	6.6	16.6	16.6	4.3	12.2	19.6	19.6	5.0	4.0
	1000	25.0	23.0	6.4	9.8	30.4	27.0	7.7	7.5	20.0	20.0	5.1	7.0	23.0	23.0	5.9	4.6
	1200	28.9	26.7	7.4	7.7	35.3	31.2	9.0	11.7	23.2	23.2	5.9	5.6	26.6	26.6	6.8	7.0
10	200	5.5	5.5	1.2	0.9	6.3	5.8	1.3	2.8	4.5	4.5	1.0	0.6	5.1	5.1	1.1	1.9
	300	7.5	7.0	1.6	3.1	8.4	7.5	1.7	5.5	6.1	6.1	1.3	2.2	6.8	6.8	1.4	3.7
	800	19.5	18.6	4.0	10.8	24.5	22.6	5.0	3.9	15.7	15.7	3.2	7.5	18.2	18.2	3.7	2.3
	1000	23.6	22.4	4.8	6.3	28.7	26.4	5.8	4.5	19.0	19.0	3.9	4.5	21.3	21.3	4.4	2.6
	1200	27.3	26.0	5.6	5.1	33.4	30.5	6.8	7.0	21.9	21.9	4.5	3.7	24.5	24.5	5.0	4.0
12	200	5.2	5.2	0.9	0.6	5.9	5.7	1.0	1.8	4.2	4.2	0.7	0.4	4.8	4.8	0.9	1.2
	300	7.1	6.9	1.3	2.0	8.0	7.3	1.3	3.6	5.7	5.7	1.0	1.4	6.5	6.5	1.1	2.4
	800	18.3	18.1	3.1	7.1	22.9	22.0	3.9	2.5	14.7	14.7	2.5	4.9	17.0	17.0	2.9	1.4
	1000	22.3	21.9	3.8	4.3	27.0	25.7	4.6	2.9	18.0	18.0	3.1	3.1	19.9	19.9	3.4	1.7
	1200	25.7	25.4	4.4	3.5	31.4	29.7	5.3	4.5	20.6	20.6	3.5	2.6	22.9	22.9	3.9	2.5
16	200	4.4	4.4	0.6	0.3	5.3	5.3	0.7	0.8					4.2	4.2	0.6	0.6
	300	6.3	6.3	0.8	1.0	7.2	7.1	0.9	1.7	5.0	5.0	0.7	0.6	5.8	5.8	0.7	1.2
	800	16.2	16.2	2.1	3.5	19.6	19.6	2.5	1.1	12.7	12.7	1.6	2.3	14.5	14.5	1.9	0.6
	1000	19.9	19.9	2.6	2.3	23.3	23.3	3.0	1.3	15.7	15.7	2.0	1.6	17.2	17.2	2.2	0.8
	1200	22.7	22.7	2.9	1.9	27.0	27.0	3.5	2.0	17.8	17.8	2.3	1.4	19.7	19.7	2.5	1.1
20	200																
	300	5.5	5.5	0.6	0.5	6.5	6.5	0.7	0.9								
	800	14.0	14.0	1.4	1.8	16.0	16.0	1.6	0.5	10.5	10.5	1.1	1.1				
	1000	17.5	17.5	1.8	1.3	19.4	19.4	2.0	0.6	13.2	13.2	1.4	0.9				
	1200	19.7	19.7	2.0	1.1	22.4	22.4	2.3	0.9	14.7	14.7	1.5	0.7	16.4	16.4	1.7	0.5

ENTERING AIR 80.0 DB/67.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.5	6.1	3.3	6.2	10.4	6.5	3.6	17.4	8.0	5.4	2.8	4.5	8.9	5.8	3.1	13.2
	300	12.7	7.9	4.4	20.2	13.8	8.5	4.6	34.6	10.8	7.1	3.7	15.0	11.8	7.6	3.9	26.1
	800					40.3	25.4	13.6	25.6					34.2	22.6	11.5	18.9
	1000	40.4	25.5	13.6	32.9	46.9	29.5	15.8	38.4	34.1	22.8	11.6	25.2	39.7	26.3	13.4	21.0
	1200					54.8	34.4	18.5	44.4	39.9	26.6	13.5	19.0	46.5	30.7	15.7	32.9
8	200	8.7	5.7	2.3	3.1	9.8	6.2	2.5	9.2	7.3	5.1	1.9	2.2	8.3	5.6	2.2	6.9
	300	12.0	7.6	3.1	10.7	13.1	8.2	3.3	18.7	10.0	6.8	2.6	7.8	11.2	7.3	2.8	13.9
	800					37.8	24.3	9.6	16.5	26.6	18.2	6.8	27.6	31.6	21.6	8.0	9.5
	1000	38.0	24.5	9.6	18.9	44.1	28.3	11.1	14.9	31.8	21.8	8.1	14.3	36.8	25.1	9.3	10.7
	1200	44.4	28.5	11.2	14.5	51.6	32.9	13.0	23.3	37.0	25.4	9.4	11.1	43.0	29.2	10.9	16.8
10	200	8.0	5.4	1.7	1.8	9.2	6.0	1.9	5.5	6.6	4.9	1.4	1.2	7.7	5.3	1.6	4.0
	300	11.2	7.3	2.3	6.3	12.5	7.9	2.5	11.3	9.3	6.5	1.9	4.5	10.5	7.0	2.1	8.3
	800	29.9	19.7	6.1	22.8	35.3	23.1	7.1	7.7	24.4	17.4	5.0	16.0	29.7	20.8	6.0	5.6
	1000	35.7	23.4	7.2	12.0	41.2	27.0	8.3	8.7	29.3	20.8	6.0	8.9	34.8	24.3	7.1	6.4
	1200	41.5	27.3	8.4	9.4	48.2	31.5	9.8	13.7	34.0	24.2	6.9	7.0	40.6	28.3	8.2	10.0
12	200	7.3	5.2	1.3	1.1	8.6	5.7	1.5	3.4	6.0	4.7	1.0	0.7	7.1	5.1	1.2	2.4
	300	10.4	7.0	1.8	4.0	11.9	7.6	2.0	7.4	8.6	6.2	1.5	2.8	9.9	6.8	1.7	5.3
	800	27.7	18.7	4.7	14.4	33.1	22.2	5.6	4.9	22.4	16.6	3.8	10.0	28.0	20.1	4.7	3.6
	1000	33.2	22.4	5.6	8.1	38.7	25.9	6.5	5.6	27.1	19.9	4.6	5.9	32.8	23.6	5.6	4.1
	1200	38.4	26.0	6.5	6.4	45.2	30.2	7.6	8.7	31.2	23.1	5.3	4.7	38.3	27.4	6.5	6.4
16	200	6.0	4.7	0.8	0.4	7.4	5.2	1.0	1.5	4.8	4.3	0.6	0.3	6.0	4.7	0.8	1.1
	300	9.0	6.4	1.2	1.8	10.5	7.0	1.3	3.5	7.3	5.7	1.0	1.2	8.5	6.3	1.1	2.4
	800	23.4	17.0	3.0	6.5	29.4	20.8	3.7	2.5	18.7	15.2	2.2	4.7	24.4	18.8	3.1	1.6
	1000	28.6	20.5	3.6	4.0	34.8	24.4	4.4	2.7	23.0	18.4	2.9	2.9	29.0	22.1	3.7	1.9
	1200	32.6	23.7	4.2	3.3	40.6	28.3	5.1	4.2	26.2	21.3	3.3	2.4	33.7	25.6	4.3	3.0
20	200	4.9	4.3	0.5	0.2	6.3	4.8	0.7	0.8					5.0	4.4	0.5	0.5
	300	7.6	5.9	0.8	0.9	9.1	6.5	0.9	1.8	6.1	5.3	0.7	0.6	7.3	5.9	0.7	1.2
	800	19.7	15.6	2.0	3.3	25.9	19.4	2.6	1.2	15.6	14.1	1.6	2.2	20.5	17.4	2.1	0.8
	1000	24.4	19.0	2.5	2.2	30.9	22.9	3.1	1.4	19.5	17.2	2.0	1.6	24.8	20.6	2.5	1.0
	1200	27.5	21.8	2.8	1.8	35.9	26.5	3.7	2.2	21.8	19.7	2.2	1.3	28.7	23.8	2.9	1.5

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.6	5.3	2.6	4.1	8.5	5.6	2.9	12.2	5.7	4.6	2.0	2.5	6.6	4.9	2.3	7.7
	300	10.3	6.9	3.6	13.8	11.3	7.3	3.8	24.1	7.8	5.9	2.8	8.5	8.8	6.3	2.9	15.2
	800					32.5	22.0	11.0	17.3	20.4	15.8	7.0	29.0	25.2	19.1	8.5	10.6
	1000	32.5	22.1	11.0	23.4	37.9	25.6	12.8	19.2	24.5	18.9	8.3	15.0	29.4	22.2	10.0	12.1
	1200	38.0	25.8	12.9	17.7	44.3	29.8	15.0	30.1	28.5	22.1	9.7	11.6	34.3	25.8	11.6	18.9
8	200	6.9	5.0	1.8	2.0	7.9	5.4	2.1	6.3	5.2	4.4	1.4	1.2	6.0	4.7	1.6	3.9
	300	9.5	6.6	2.5	7.1	10.7	7.1	2.7	12.8	7.2	5.7	1.9	4.3	8.2	6.1	2.1	7.8
	800	25.2	17.7	6.4	25.1	30.2	21.0	7.7	8.8	18.6	15.1	4.8	14.8	23.5	18.4	6.0	5.5
	1000	30.1	21.1	7.7	13.2	35.3	24.5	8.9	9.9	22.4	18.2	5.7	8.3	27.5	21.5	7.0	6.3
	1200	35.0	24.6	8.9	10.2	41.2	28.5	10.4	15.5	25.9	21.1	6.6	6.6	32.1	24.9	8.2	9.8
10	200									4.7	4.2	1.0	0.7	5.5	4.5	1.2	2.2
	300									6.6	5.5	1.4	2.5	7.6	5.9	1.5	4.5
	800									17.0	14.6	3.5	8.6	21.8	17.8	4.4	3.2
	1000									20.6	17.6	4.2	5.1	25.6	20.9	5.2	3.7
	1200									23.7	20.4	4.9	4.1	29.8	24.1	6.1	5.7
12	200	5.6	4.5	1.0	0.7	6.8	5.0	1.2	2.2	4.2	4.1	0.8	0.4	5.0	4.4	0.9	1.3
	300	8.2	6.1	1.4	2.6	9.4	6.6	1.6	4.8	6.0	5.3	1.1	1.5	7.0	5.7	1.2	2.8
	800	21.1	16.1	3.6	9.0	26.7	19.6	4.5	3.3	15.5	14.0	2.7	5.3	20.1	17.3	3.4	1.9
	1000	25.6	19.4	4.4	5.4	31.3	23.0	5.3	3.8	18.9	17.0	3.2	3.4	23.7	20.2	4.0	2.3
	1200	29.5	22.5	5.0	4.3	36.5	26.7	6.2	5.9	21.7	19.7	3.7	2.8	27.6	23.4	4.7	3.5
16	200	4.6	4.2	0.6	0.3	5.7	4.6	0.7	1.0					4.2	4.1	0.6	0.6
	300	6.9	5.6	0.9	1.1	8.1	6.1	1.0	2.1	5.1	5.1	0.7	0.7	6.0	5.4	0.8	1.2
	800	17.7	14.8	2.3	4.0	23.1	18.3	2.9	1.5	12.9	12.9	1.7	2.4	16.3	16.0	2.1	0.8
	1000	21.7	18.0	2.8	2.6	27.5	21.6	3.5	1.7	16.0	16.0	2.1	1.7	19.6	18.8	2.5	0.9
	1200	24.7	20.7	3.2	2.2	32.0	25.0	4.1	2.7	18.1	18.1	2.3	1.4	22.7	21.7	2.9	1.5
20	200					4.7	4.3	0.5	0.5								
	300	5.7	5.2	0.6	0.5	6.9	5.7	0.7	1.1					5.0	5.0	0.5	0.6
	800	14.7	13.8	1.5	2.0	19.2	17.0	2.0	0.7	10.5	10.5	1.1	1.1				
	1000	18.3	16.8	1.9	1.4	23.2	20.1	2.4	0.9	13.2	13.2	1.4	0.9	15.2	15.2	1.6	0.4
	1200	20.6	19.3	2.1	1.2	26.9	23.1	2.7	1.3	14.7	14.7	1.5	0.7	17.5	17.5	1.8	0.6

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

NOTE: COLOR AREA INDICATES ARI APPROVED STANDARD RATINGS AS SHOWN IN TABLE 19-2, PAGE 19

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 80.0 DB/70.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	11.2	5.9	3.8	8.3	12.2	6.4	4.2	23.1	9.6	5.3	3.3	6.3	10.6	5.7	3.6	18.1
	300	14.9	7.8	5.1	26.8	16.0	8.3	5.3	45.7	13.0	6.9	4.5	20.9	14.1	7.5	4.7	36.0
	800					47.2	24.8	15.9	34.4					41.1	22.1	13.8	26.5
	1000					54.9	28.9	18.5	37.9	41.0	22.1	13.8	33.6	47.8	25.7	16.1	29.3
	1200													55.9	30.0	18.8	46.0
8	200	10.4	5.6	2.7	4.3	11.6	6.1	3.0	12.4	8.8	4.9	2.3	3.1	9.9	5.4	2.6	9.4
	300	14.2	7.5	3.7	14.4	15.4	8.1	3.9	25.1	12.1	6.6	3.1	10.9	13.4	7.2	3.4	19.4
	800					44.7	23.7	11.3	18.2					38.4	21.0	9.7	13.7
	1000	44.9	23.8	11.4	24.6	52.1	27.6	13.1	20.2	38.4	21.1	9.7	19.3	44.8	24.5	11.3	15.3
	1200	52.5	27.9	13.3	18.5	60.9	32.2	15.4	31.6	45.0	24.7	11.4	14.8	52.4	28.6	13.2	24.0
10	200	9.6	5.2	2.0	2.4	10.9	5.8	2.2	7.3	7.9	4.6	1.6	1.7	9.2	5.1	1.9	5.4
	300	13.4	7.1	2.8	8.6	14.7	7.8	3.0	15.4	11.3	6.2	2.3	6.4	12.7	6.8	2.5	11.6
	800					42.2	22.4	8.5	10.7	30.1	16.9	6.1	23.0	35.7	19.9	7.2	7.9
	1000	42.5	22.8	8.6	15.8	49.2	26.4	9.9	12.1	36.0	20.1	7.3	12.2	41.7	23.2	8.4	8.9
	1200	49.4	26.5	10.0	12.2	57.5	30.8	11.6	18.9	41.9	23.4	8.5	9.5	48.8	27.1	9.9	14.0
12	200	8.7	4.9	1.5	1.5	10.2	5.5	1.7	4.6	7.1	4.3	1.2	1.0	8.5	4.8	1.5	3.4
	300	12.5	6.7	2.2	5.5	14.0	7.4	2.3	10.0	10.4	5.9	1.8	3.9	11.9	6.5	2.0	7.4
	800	33.5	18.2	5.7	20.1	39.5	21.5	6.7	6.8	27.7	15.9	4.7	14.5	32.9	18.8	5.5	4.8
	1000	40.1	21.8	6.8	10.8	46.2	25.1	7.8	7.7	33.3	19.1	5.6	8.1	38.5	22.0	6.5	5.5
	1200	46.5	25.3	7.8	8.5	54.1	29.3	9.1	12.0	38.4	22.1	6.5	6.4	45.0	25.6	7.6	8.6
16	200	7.1	4.3	0.9	0.6	8.7	4.9	1.1	2.1	5.6	3.7	0.7	0.4	7.1	4.3	0.9	1.4
	300	10.7	6.0	1.4	2.4	12.4	6.7	1.6	4.7	8.6	5.2	1.1	1.7	10.2	5.9	1.3	3.3
	800	28.6	16.3	3.6	9.2	33.9	19.2	4.3	3.0	22.5	14.0	2.9	6.1	28.0	17.0	3.5	2.1
	1000	34.7	19.6	4.4	5.4	39.9	22.5	5.1	3.5	27.5	16.9	3.5	3.8	33.0	19.9	4.2	2.4
	1200	39.8	22.6	5.0	4.4	46.7	26.3	5.9	5.4	31.4	19.5	4.0	3.1	38.5	23.1	4.9	3.8
20	200	5.6	3.7	0.6	0.3	7.2	4.3	0.8	1.0					5.6	3.8	0.6	0.6
	300	8.9	5.4	0.9	1.2	10.7	6.0	1.1	2.4	7.0	4.7	0.7	0.8	8.4	5.2	0.8	1.5
	800	23.4	14.3	2.4	4.4	29.3	17.4	3.0	1.5	17.9	12.4	1.8	2.8	23.6	15.5	2.4	1.0
	1000	28.8	17.4	2.9	2.9	34.7	20.6	3.5	1.8	22.3	15.1	2.3	1.9	28.3	18.3	2.9	1.2
	1200	32.5	19.9	3.3	2.3	40.5	23.9	4.1	2.8	25.0	17.2	2.6	1.6	33.0	21.2	3.4	1.9

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.2	5.1	3.2	5.9	10.2	5.5	3.5	16.8	7.1	4.3	2.5	3.6	8.0	4.6	2.8	11.0
	300	12.4	6.7	4.3	19.5	13.5	7.2	4.5	33.6	9.8	5.6	3.4	12.6	10.8	6.1	3.6	22.4
	800					39.5	21.5	13.3	24.6					31.0	18.1	10.5	15.8
	1000	39.3	21.5	13.3	31.5	45.9	25.0	15.5	27.3	30.8	18.1	10.4	21.5	36.0	21.0	12.2	17.6
	1200					53.7	29.1	18.1	42.7	36.0	21.2	12.2	16.4	42.2	24.5	14.3	27.6
8	200	8.4	4.7	2.2	2.9	9.5	5.2	2.5	8.7	6.3	4.0	1.6	1.7	7.3	4.4	1.9	5.5
	300	11.6	6.4	3.0	10.1	12.9	6.9	3.2	18.0	8.9	5.3	2.3	6.3	10.0	5.8	2.5	11.5
	800					36.8	20.4	9.3	12.6	23.6	14.3	6.0	22.3	28.1	17.0	7.1	7.7
	1000	36.8	20.4	9.3	18.0	42.8	23.7	10.8	14.1	28.1	17.1	7.2	11.8	32.7	19.8	8.3	8.7
	1200	43.0	23.9	10.9	13.8	50.1	27.7	12.7	22.2	32.7	19.9	8.3	9.3	38.4	23.1	9.7	13.6
10	200	7.5	4.4	1.6	1.6	8.8	4.9	1.8	5.0	5.5	3.7	1.2	0.9	6.6	4.1	1.4	3.0
	300	10.8	6.0	2.2	5.8	12.1	6.6	2.4	10.7	8.0	5.0	1.7	3.5	9.3	5.5	1.9	6.5
	800	28.7	16.3	5.8	21.2	34.0	19.2	6.9	7.2	21.0	13.4	4.3	12.3	25.6	16.1	5.2	4.3
	1000	34.3	19.4	7.0	11.3	39.7	22.4	8.0	8.1	25.3	16.1	5.2	7.0	30.0	18.8	6.1	4.9
	1200	39.8	22.6	8.1	8.8	46.5	26.2	9.4	12.8	29.2	18.7	6.0	5.6	35.0	21.9	7.1	7.6
12	200	6.7	4.1	1.2	0.9	8.1	4.6	1.4	3.1	4.8	3.5	0.8	0.5	5.9	3.9	1.0	1.8
	300	9.8	5.7	1.7	3.5	11.3	6.3	1.9	6.7	7.2	4.7	1.3	2.0	8.4	5.2	1.4	3.9
	800	26.2	15.3	4.4	13.1	31.1	18.1	5.3	4.3	18.6	12.6	3.2	7.3	23.6	15.4	4.0	2.6
	1000	31.5	18.3	5.3	7.4	36.5	21.2	6.2	5.0	22.6	15.2	3.9	4.4	27.7	18.0	4.7	3.0
	1200	36.4	21.3	6.2	5.9	42.7	24.7	7.2	7.8	25.9	17.5	4.4	3.6	32.3	20.9	5.5	4.7
16	200	5.2	3.6	0.7	0.3	6.6	4.1	0.9	1.3					4.6	3.5	0.6	0.7
	300	8.1	5.0	1.1	1.5	9.6	5.6	1.2	2.9	5.7	4.2	0.8	0.8	6.8	4.7	0.9	1.6
	800	21.1	13.4	2.7	5.4	26.5	16.4	3.4	1.9	14.5	11.2	1.9	2.9	19.3	14.0	2.5	1.1
	1000	25.8	16.3	3.3	3.4	31.4	19.3	4.0	2.2	17.9	13.6	2.3	2.0	23.1	16.5	3.0	1.3
	1200	29.3	18.7	3.7	2.8	36.6	22.5	4.7	3.5	20.2	15.7	2.6	1.6	26.9	19.1	3.4	2.0
20	200					5.3	3.7	0.6	0.6								
	300	6.5	4.5	0.7	0.7	7.9	5.0	0.8	1.4					5.3	4.2	0.5	0.7
	800	16.6	11.9	1.7	2.4	22.2	15.0	2.3	0.9	11.1	10.1	1.2	1.2	14.8	12.6	1.5	0.4
	1000	20.8	14.6	2.1	1.7	26.6	17.7	2.7	1.1	14.1	12.4	1.5	0.9	18.0	14.9	1.9	0.5
	1200	23.2	16.7	2.4	1.4	31.1	20.5	3.2	1.7	15.6	14.2	1.6	0.8	20.9	17.2	2.2	0.8

ENTERING AIR 85.0 DB/67.0 WB, 40 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.6	7.1	3.3	6.3	10.5	7.5	3.6	17.7	8.2	6.5	2.8	4.7	9.1	6.9	3.1	13.7
	300	12.7	9.1	4.4	20.0	13.7	9.7	4.6	34.2	10.9	8.4	3.8	15.4	11.9	8.9	4.0	26.6
	800					40.0	29.2	13.5	25.3					34.7	26.9	11.7	19.5
	1000	40.1	29.4	13.6	32.5	46.5	33.9	15.7	28.0	34.1	26.8	11.6	25.2	40.4	31.3	13.6	21.6
	1200					54.4	39.5	18.3	43.8	40.0	31.4	13.5	19.1	47.1	36.3	15.9	33.7
8	200	8.9	6.8	2.3	3.2	10.0	7.3	2.6	9.5	7.6	6.3	2.0	2.4	8.6	6.7	2.2	7.3
	300	12.0	8.9	3.1	10.7	13.2	9.5	3.3	18.9	10.3	8.2	2.7	8.1	11.4	8.7	2.9	14.5
	800					38.1	28.3	9.6	13.5	26.9	21.8	6.8	28.1	33.1	26.2	8.4	10.4
	1000	37.9	28.4	9.6	18.8	44.4	33.0	11.2	15.1	32.2	26.1	8.2	14.6	38.6	30.5	9.8	11.7
	1200	44.2	33.2	11.2	14.4	51.7	38.3	13.1	23.5	37.4	30.3	9.5	11.2	45.0	35.4	11.4	18.2
10	200	8.3	6.6	1.7	1.9	9.5	7.1	2.0	5.7	7.1	6.1	1.5	1.4	8.1	6.5	1.7	4.3
	300	11.4	8.6	2.4	6.5	12.7	9.2	2.5	11.7	9.7	7.9	2.0	4.9	10.9	8.5	2.2	8.8
	800	30.0	23.1	6.1	22.9	36.5	27.6	7.4	8.2	25.3	21.2	5.1	17.0	31.6	25.6	6.4	6.3
	1000	35.9	27.6	7.3	12.2	42.6	32.2	8.6	9.3	30.4	25.4	6.2	9.4	36.9	29.9	7.5	7.1
	1200	41.7	32.1	8.5	9.5	49.6	37.4	10.0	14.4	35.2	29.5	7.2	7.4	43.0	34.6	8.7	11.1
12	200	7.7	6.4	1.3	1.2	9.0	6.9	1.5	3.7	6.6	6.0	1.1	0.9	7.6	6.4	1.3	2.8
	300	10.8	8.4	1.9	4.2	12.1	9.0	2.0	7.7	9.1	7.7	1.6	3.1	10.4	8.3	1.7	5.7
	800	28.2	22.4	4.8	14.9	34.9	27.0	5.9	5.4	23.7	20.5	4.0	11.0	30.0	25.0	5.1	4.1
	1000	33.9	26.8	5.7	8.3	40.8	31.5	6.9	6.1	28.6	24.7	4.9	6.4	35.2	29.3	6.0	4.7
	1200	39.3	31.1	6.6	6.6	47.6	36.6	8.0	9.5	33.1	28.7	5.6	5.1	41.0	33.9	6.9	7.3
16	200	6.7	6.0	0.9	0.5	8.0	6.5	1.0	1.8	5.7	5.7	0.8	0.4	6.8	6.1	0.9	1.3
	300	9.6	7.9	1.3	2.0	11.0	8.6	1.4	3.8	8.2	7.4	1.1	1.5	9.3	7.9	1.2	2.8
	800	24.9	21.0	3.2	7.3	31.7	25.7	4.0	2.6	21.0	19.5	2.7	5.4	26.8	23.8	3.4	1.9
	1000	30.3	25.4	3.9	4.4	37.4	30.1	4.7	3.1	25.6	23.6	3.3	3.4	31.7	27.9	4.0	2.3
	1200	34.7	29.4	4.4	3.6	43.5	34.9	5.5	4.8	29.3	27.3	3.7	2.8	36.8	32.3	4.7	3.5
20	200	5.8	5.7	0.6	0.3	7.1	6.2	0.7	0.9	5.0	5.0	0.5	0.2	6.0	5.8	0.6	0.7
	300	8.5	7.5	0.9	1.1	9.9	8.2	1.0	2.1	7.2	7.1	0.8	0.8	8.4	7.6	0.8	1.5
	800	22.0	19.9	2.2	3.9	28.5	24.5	2.9	1.4	18.5	18.5	1.9	2.9	23.3	22.6	2.4	1.0
	1000	27.0	24.1	2.8	2.6	33.9	28.8	3.4	1.7	22.8	22.8	2.3	2.0	27.9	26.6	2.8	1.2
	1200	30.7	27.8	3.1	2.1	39.3	33.3	4.0	2.6	25.9	25.9	2.6	1.7	32.3	30.6	3.3	1.8

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.9	6.4	2.7	4.4	8.7	6.8	3.0	12.7	6.3	5.8	2.2	3.0	7.0	6.1	2.4	8.5
	300	10.5	8.2	3.6	14.3	11.5	8.7	3.8	24.8	8.3	7.4	2.9	9.5	9.2	7.8	3.1	16.5
	800					33.4	26.3	11.3	18.1					26.9	23.8	9.1	12.2
	1000	32.7	26.2	11.1	23.6	38.9	30.6	13.1	20.2	25.8	23.6	8.8	16.4	31.4	27.7	10.6	13.7
	1200	38.2	30.6	12.9	17.8	45.4	35.6	15.3	31.5	30.1	27.6	10.2	12.6	36.5	32.1	12.4	21.2
8	200	7.3	6.2	1.9	2.3	8.3	6.6	2.1	6.8	5.9	5.7	1.5	1.5	6.6	6.0	1.7	4.5
	300	9.8	8.0	2.6	7.5	11.0	8.5	2.8	13.5	7.9	7.3	2.1	5.1	8.7	7.7	2.2	8.9
	800	25.8	21.3	6.6	26.0	31.9	25.7	8.1	9.7	20.4	19.3	5.2	17.4	25.5	23.3	6.5	6.4
	1000	30.8	25.5	7.8	13.7	37.2	30.0	9.4	10.9	24.6	23.2	6.3	9.6	29.8	27.2	7.6	7.3
	1200	35.9	29.7	9.1	10.6	43.3	34.7	11.0	17.0	28.5	27.0	7.3	7.6	34.6	31.4	8.8	11.3
10	200	6.8	6.0	1.4	1.3	7.8	6.4	1.6	4.0	5.5	5.5	1.2	0.9	6.2	5.9	1.3	2.7
	300	9.3	7.8	1.9	4.5	10.4	8.3	2.1	8.2	7.4	7.1	1.6	3.1	8.3	7.6	1.7	5.4
	800	24.2	20.7	4.9	15.7	30.3	25.1	6.2	5.8	19.2	18.8	3.9	10.6	24.0	22.8	4.9	3.8
	1000	29.1	24.9	5.9	8.7	35.5	29.3	7.2	6.6	23.3	22.8	4.8	6.2	28.1	26.6	5.7	4.3
	1200	33.7	28.9	6.9	6.9	41.3	34.0	8.4	10.3	27.0	26.5	5.5	5.0	32.6	30.7	6.6	6.7
12	200	6.3	5.9	1.1	0.8	7.3	6.3	1.3	2.6	5.2	5.2	0.9	0.6	5.9	5.8	1.0	1.8
	300	8.7	7.6	1.5	2.9	9.9	8.1	1.7	5.3	7.1	7.1	1.3	2.0	7.9	7.5	1.3	3.5
	800	22.7	20.1	3.9	10.2	28.8	24.5	4.9	3.8	18.2	18.2	3.1	7.0	22.3	22.3	3.8	2.4
	1000	27.4	24.3	4.7	6.0	33.8	28.7	5.7	4.3	22.1	22.1	3.8	4.3	26.3	26.0	4.5	2.8
	1200	31.7	28.2	5.4	4.8	39.3	33.2	6.7	6.7	25.5	25.5	4.3	3.5	30.5	29.9	5.2	4.3
16	200	5.5	5.5	0.7	0.4	6.5	6.0	0.8	1.2	4.5	4.5	0.6	0.3	5.3	5.3	0.7	0.9
	300	7.8	7.3	1.0	1.4	8.9	7.8	1.1	2.6	6.3	6.3	0.8	1.0	7.2	7.2	0.9	1.7
	800	20.1	19.1	2.6	5.0	25.6	23.4	3.3	1.8	16.1	16.1	2.1	3.4	19.0	19.0	2.4	1.0
	1000	24.5	23.2	3.1	3.2	30.2	27.4	3.8	2.1	19.8	19.8	2.5	2.3	22.6	22.6	2.9	1.2
	1200	28.0	26.8	3.6	2.6	35.1	31.6	4.5	3.2	22.6	22.6	2.9	1.9	26.1	26.1	3.3	1.9
20	200	4.7	4.7	0.5	0.2	5.8	5.8	0.6	0.7								
	300	6.9	6.9	0.7	0.7	8.0	7.5	0.8	1.4	5.5	5.5	0.6	0.5	6.5	6.5	0.7	0.9
	800	17.7	17.7	1.8	2.7	22.0	22.0	2.2	0.9	14.1	14.1	1.5	1.8	16.0	16.0	1.6	0.5
	1000	21.9	21.9	2.2	1.9	26.3	26.0	2.7	1.1	17.5	17.5	1.8	1.3	19.0	19.0	2.0	0.6
	1200	24.8	24.8	2.5	1.6	30.5	30.0	3.1	1.7	19.8	19.8	2.0	1.1	21.8	21.8	2.2	0.9

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 85.0 DB/71.0 WB, 50 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	11.7	6.8	4.0	9.0	12.7	7.3	4.3	24.9	10.2	6.2	3.5	7.0	11.1	6.6	3.8	19.7
	300	15.6	8.9	5.3	29.0	16.7	9.5	5.6	49.3	13.6	8.1	4.7	22.8	14.7	8.6	4.9	39.2
	800					49.3	28.4	16.6	37.1					43.1	25.7	14.5	29.0
	1000					57.3	33.1	19.3	40.9					50.1	29.9	16.9	32.1
	1200													58.6	34.9	19.7	50.2
8	200	10.9	6.5	2.8	4.6	12.1	7.0	3.1	13.4	9.3	5.8	2.4	3.5	10.5	6.3	2.7	10.4
	300	14.8	8.6	3.8	15.6	16.1	9.2	4.0	27.1	12.8	7.7	3.3	12.0	14.1	8.3	3.5	21.3
	800					46.8	27.3	11.8	19.7					40.5	24.7	10.2	15.1
	1000	47.0	27.5	11.9	26.4	54.4	31.8	13.7	21.9	40.6	24.8	10.3	21.0	47.1	28.7	11.9	16.8
	1200	55.0	32.2	13.9	19.9	63.6	37.1	16.1	34.3	47.4	29.0	12.0	16.0	55.2	33.5	13.9	26.4
10	200	10.1	6.1	2.1	2.7	11.4	6.7	2.3	8.0	8.5	5.5	1.8	2.0	9.9	6.0	2.0	6.2
	300	14.0	8.2	2.9	9.4	15.4	8.9	3.1	16.7	12.0	7.4	2.5	7.1	13.4	8.0	2.7	12.8
	800					44.2	26.2	8.9	11.7	31.9	20.0	6.5	25.5	37.8	23.6	7.6	8.8
	1000	44.5	26.4	9.0	17.0	51.6	30.5	10.4	13.1	38.1	23.8	7.7	13.3	44.1	27.4	8.9	9.9
	1200	52.0	30.9	10.5	13.1	60.3	35.6	12.2	20.6	44.3	27.8	9.0	10.4	51.6	32.0	10.4	15.5
12	200	9.3	5.8	1.6	1.6	10.8	6.4	1.8	5.2	7.8	5.3	1.3	1.2	9.2	5.8	1.6	3.9
	300	13.2	7.9	2.3	6.0	14.7	8.6	2.5	10.9	11.2	7.1	1.9	4.4	12.7	7.7	2.1	8.3
	800	35.3	21.3	6.0	22.0	41.6	25.1	7.0	7.4	29.5	19.0	5.0	16.1	35.3	22.6	5.9	5.5
	1000	42.2	25.5	7.1	11.7	48.6	29.3	8.2	8.4	35.4	22.8	6.0	8.9	41.2	26.3	7.0	6.2
	1200	49.0	29.6	8.3	9.1	56.9	34.2	9.6	13.2	41.0	26.5	6.9	7.0	48.1	30.6	8.1	9.7
16	200	7.8	5.3	1.0	0.7	9.5	5.9	1.2	2,4	6.4	4.8	0.8	0.5	7.9	5.3	1.0	1.7
	300	11.5	7.2	1.5	2.8	13.3	8.0	1.7	5.3	9.6	6.5	1.3	2.0	11.2	7.2	1.4	3.9
	800	30.5	19.4	3.9	10.3	36.7	23.1	4.6	3.4	24.9	17.4	3.2	7.3	31.4	21.2	4.0	2.6
	1000	36.8	23.3	4.7	6.0	43.1	27.1	5.4	4.0	30.3	20.9	3.9	4.4	36.9	24.8	4.7	3.0
	1200	42.4	27.0	5.4	4.8	50.3	31.5	6.4	6.2	34.7	24.2	4.4	3.6	43.1	28.8	5.5	4.7
20	200	6.5	4.8	0.7	0.3	8.2	5.4	0.8	1.2	5.3	4.4	0.6	0.2	6.7	4.9	0.7	0.9
	300	10.0	6.7	1.0	1.4	11.7	7.4	1.2	2.8	8.1	6.0	0.9	1.0	9.7	6.6	1.0	2.0
	800	26.0	17.7	2.6	5.3	32.9	21.7	3.3	1.9	20.9	16.0	2.1	3.6	27.5	19.8	2.8	1.3
	1000	31.8	21.5	3.2	3.3	38.9	25.5	3.9	2.2	25.9	19.4	2.6	2.4	32.7	23.3	3.3	1.6
	1200	36.1	24.7	3.7	2.7	45.4	29.6	4.6	3.4	29.2	22.3	3.0	2.0	38.1	27.0	3.9	2.5

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.8	6.0	3.3	6.5	10.7	6.4	3.7	18.4	7.7	5.2	2.7	4.2	8.7	5.6	3.0	12.6
	300	13.1	7.8	4.5	21.3	14.2	8.4	4.8	36.8	10.4	6.8	3.6	14.2	11.5	7.2	3.9	25.1
	800					41.5	25.1	14.0	27.1					33.1	21.7	11.2	17.8
	1000	41.4	25.2	14.0	34.2	48.3	29.2	16.9	29.9	32.9	21.8	11.1	23.8	38.5	25.3	13.0	19.8
	1200					56.5	34.0	19.0	46.9	38.6	25.5	13.1	18.1	45.1	29.4	15.2	31.1
8	200	8.9	5.7	2.3	3.2	10.1	6.1	2.6	9.7	6.9	5.0	1.8	2.1	8.1	5.4	2.1	6.5
	300	12.3	7.5	3.2	11.2	13.6	8.1	3.4	19.8	9.7	6.5	2.5	7.3	10.9	7.0	2.7	13.3
	800					38.9	24.0	9.8	14.0	25.4	17.5	6.5	25.4	30.8	20.9	7.8	9.1
	1000	38.9	24.1	9.9	19.6	45.2	27.9	11.4	15.6	30.3	20.9	7.7	13.3	35.9	24.3	9.1	10.2
	1200	45.5	28.2	11.5	15.0	53.0	32.5	13.4	24.5	35.4	24.4	9.0	10.4	41.9	28.3	10.6	16.0
10	200	8.2	5.4	1.7	1.8	9.5	5.9	2.0	5.7	6.3	4.7	1.3	1.1	7.4	5.1	1.5	3.7
	300	11.4	7.2	2.4	6.5	12.8	7.8	2.6	11.9	8.9	6.2	1.9	4.2	10.2	6.8	2.0	7.8
	800	30.5	19.4	6.2	23.5	36.1	22.9	7.3	8.0	23.2	16.7	4.7	14.6	28.8	20.2	5.9	5.3
	1000	36.4	23.2	7.4	12.4	42.1	26.7	8.5	9.1	27.8	20.0	5.7	8.2	33.7	23.6	6.8	6.0
	1200	42.4	27.0	8.6	9.7	49.3	31.1	10.0	14.2	32.3	23.3	6.6	6.5	39.4	27.4	8.0	9.4
12	200	7.4	5.1	1.3	1.1	8.8	5.6	1.5	3.6	5.7	4.6	1.0	0.7	6.8	4.9	1.2	2.3
	300	10.6	6.9	1.8	4.1	12.1	7.5	2.0	7.7	8.2	6.0	1.4	2.6	9.5	6.5	1.6	4.9
	800	28.1	18.5	4.8	14.8	33.9	22.0	5.7	5.1	21.1	16.0	3.6	9.0	26.9	19.6	4.6	3.3
	1000	33.7	22.1	5.7	8.3	39.6	25.7	6.7	5.8	25.6	19.3	4.4	5.4	31.6	22.9	5.4	3.8
	1200	39.0	25.7	6.6	6.5	46.3	29.9	7.8	9.1	29.4	22.3	5.0	4.3	36.9	26.5	6.2	6.0
16	200	6.1	4.7	0.8	0.5	7.5	5.2	1.0	1.6	4.6	4.2	0.6	0.3	5.7	4.6	0.8	1.0
	300	9.1	6.4	1.2	1.8	10.7	7.0	1.3	3.6	6.9	5.6	0.9	1.1	8.1	6.1	1.0	2.1
	800	23.6	16.9	3.0	6.6	30.1	20.7	3.8	2.4	17.6	14.9	2.3	4.0	23.2	18.3	3.0	1.5
	1000	28.8	20.4	3.7	4.1	35.4	24.2	4.5	2.8	21.6	18.0	2.8	2.6	27.5	21.5	3.5	1.7
	1200	32.9	23.5	4.2	3.3	41.3	28.1	5.2	4.3	24.6	20.8	3.2	2.2	32.0	24.9	4.1	2.7
20	200	5.0	4.4	0.5	0.2	6.3	4.8	0.7	0.8					4.8	4.3	0.5	0.5
	300	7.7	5.9	0.8	0.9	9.2	6.5	0.9	1.8	5.8	5.3	0.6	0.5	6.9	5.7	0.7	1.1
	800	19.8	15.6	2.0	3.3	26.2	19.3	2.7	1.2	14.7	13.9	1.5	2.0	19.1	17.1	2.0	0.7
	1000	24.5	18.9	2.5	2.2	31.2	22.8	3.2	1.5	18.3	16.9	1.9	1.4	23.0	20.1	2.4	0.8
	1200	27.6	21.8	2.8	1.8	36.3	26.4	3.7	2.3	20.5	19.5	2.1	1.2	26.7	23.2	2.7	1.3

ENTERING AIR 85.0 DB/74.0 WB, 60 PERCENT RH

WTR	CFM	40° EWT								44° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	13.6	6.7	4.6	11.7	14.6	7.1	5.0	32.1	12.0	6.0	4.1	9.4	13.0	6.5	4.4	26.2
	300	17.9	8.7	6.1	37.3					16.0	7.9	5.5	30.4				
	800					56.7	27.8	19.0	48.2					50.6	25.2	17.0	39.0
	1000													58.8	29.3	19.7	42.9
	1200																
8	200	12.8	6.3	3.3	6.2	14.0	6.9	3.6	17.4	11.1	5.7	2.9	4.8	12.4	6.2	3.2	14.0
	300	17.2	8.4	4.4	20.3	18.5	9.0	4.6	35.0	15.2	7.6	3.9	16.3	16.5	8.2	4.1	28.5
	800					54.2	26.7	13.7	25.9					47.9	24.1	12.1	20.6
	1000	54.4	26.9	13.7	33.2	63.1	31.1	15.9	28.7	47.9	24.1	12.1	27.2	55.7	28.0	14.1	22.9
	1200					73.7	36.3	18.6	44.9					65.2	32.7	16.5	35.9
10	200	11.9	6.0	2.4	3.6	13.3	6.6	2.7	10.6	10.3	5.3	2.1	2.7	11.7	5.9	2.4	8.3
	300	16.4	8.1	3.4	12.4	17.8	8.8	3.6	21.8	14.3	7.2	3.0	9.7	15.8	7.9	3.2	17.5
	800					51.7	25.6	10.4	15.6					45.2	23.0	9.1	12.2
	1000	51.9	25.8	10.5	21.7	60.2	29.9	12.1	17.4	45.3	23.1	9.2	17.5	52.7	26.8	10.6	13.6
	1200	60.6	30.1	12.2	16.4	70.3	34.9	14.2	27.3	52.9	27.0	10.7	13.4	61.6	31.3	12.4	21.4
12	200	11.0	5.6	1.9	2.2	12.6	6.3	2.2	6.9	9.3	5.0	1.6	1.7	10.9	5.6	1.9	5.3
	300	15.6	7.7	2.7	8.0	17.2	8.5	2.9	14.5	13.4	6.9	2.3	6.2	15.1	7.6	2.5	11.4
	800	41.5	20.8	7.0	29.2	49.0	24.5	8.2	10.1	35.8	18.5	6.0	22.5	42.4	21.9	7.1	7.7
	1000	49.5	24.8	8.3	15.0	57.2	28.6	9.6	11.3	42.8	22.1	7.2	12.0	49.5	25.5	8.3	8.7
	1200	57.6	28.8	9.7	11.6	66.9	33.4	11.2	17.8	49.8	25.8	8.4	9.4	57.9	29.8	9.8	13.7
16	200	9.3	5.0	1.2	1.0	11.1	5.6	1.4	3.2	7.6	4.4	1.0	0.7	9.3	5.0	1.2	2.3
	300	13.8	7.0	1.8	3.8	15.6	7.8	2.0	7.2	11.5	6.2	1.5	2.8	13.3	6.9	1.7	5.4
	800	36.7	18.9	4.6	14.2	43.5	22.3	5.5	4.7	30.6	16.6	3.9	10.3	36.4	19.7	4.6	3.4
	1000	44.2	22.7	5.6	8.0	50.9	26.1	6.4	5.4	37.0	20.0	4.7	6.0	42.8	23.0	5.4	3.9
	1200	51.1	26.3	6.5	6.3	59.6	30.5	7.5	8.5	42.5	23.1	5.4	4.8	50.1	26.9	6.3	6.1
20	200	7.5	4.4	0.8	0.4	9.5	5.1	1.0	1.6	6.0	3.9	0.6	0.3	7.8	4.5	0.8	1.1
	300	11.8	6.3	1.2	1.9	13.8	7.1	1.4	3.8	9.6	5.5	1.0	1.3	11.4	6.2	1.1	2.7
	800	31.5	16.9	3.2	7.3	37.5	20.1	3.8	2.4	25.0	14.7	2.5	4.9	31.3	17.9	3.2	1.7
	1000	38.2	20.4	3.9	4.5	44.2	23.6	4.5	2.8	30.7	17.8	3.1	3.2	37.1	21.1	3.8	2.0
	1200	43.6	23.5	4.4	3.6	51.8	27.5	5.2	4.3	34.7	20.4	3.5	2.6	43.3	24.5	4.4	3.1

WTR	CFM	45° EWT								50° EWT							
		A-COIL				D-COIL				A-COIL				D-COIL			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	11.6	5.8	4.0	8.8	12.6	6.3	4.3	24.8	9.4	5.0	3.2	6.1	10.5	5.4	3.6	17.7
	300	15.5	7.7	5.3	28.7	16.7	8.2	5.6	49.1	12.8	6.6	4.4	20.4	14.0	7.1	4.7	35.6
	800					49.0	24.5	16.5	36.7					40.5	21.2	13.6	25.9
	1000					56.9	28.5	19.1	40.4	40.2	21.2	13.6	32.7	47.1	24.6	15.9	28.6
	1200													55.1	28.8	18.6	44.9
8	200	10.7	5.5	2.8	4.5	12.0	6.0	3.1	13.2	8.5	4.7	2.2	3.0	9.8	5.1	2.5	9.1
	300	14.6	7.4	3.8	15.3	16.0	7.9	4.0	26.8	11.9	6.3	3.1	10.5	13.2	6.8	3.3	19.0
	800					46.3	23.4	11.7	19.3					37.6	20.1	9.5	13.2
	1000	46.3	23.5	11.7	25.7	53.8	27.3	13.6	21.5	37.6	20.2	9.5	18.6	43.8	23.4	11.1	14.7
	1200	54.1	27.5	13.7	19.4	63.0	31.6	15.9	33.7	43.9	23.6	11.1	14.3	51.3	27.3	13.0	23.1
10	200	9.8	5.2	2.0	2.5	11.2	5.7	2.3	7.8	7.6	4.4	1.6	1.6	9.0	4.9	1.9	5.2
	300	13.8	7.0	2.8	9.1	15.3	7.7	3.1	16.4	10.9	6.0	2.3	6.0	12.4	6.5	2.5	11.2
	800					43.5	22.3	9.8	11.4	29.0	16.1	5.9	21.6	34.6	19.0	7.0	7.4
	1000	43.7	22.5	8.9	16.5	50.7	26.0	10.2	12.7	34.7	19.2	7.1	11.5	40.4	22.2	8.2	8.4
	1200	50.9	26.2	10.3	12.7	59.4	30.4	12.0	20.0	40.4	22.3	8.2	9.0	47.3	25.9	9.6	13.2
12	200	8.9	4.8	1.5	1.5	10.4	5.4	1.8	4.9	6.8	4.1	1.2	0.9	8.2	4.6	1.4	3.1
	300	12.9	6.7	2.2	5.7	14.5	7.3	2.4	10.6	10.0	5.6	1.7	3.6	11.5	6.2	1.9	7.0
	800	34.3	18.0	5.8	20.9	40.7	21.2	6.8	7.1	26.3	15.1	4.5	13.2	31.5	17.9	5.3	4.4
	1000	41.0	21.4	6.9	11.2	47.5	24.8	8.0	8.1	31.7	18.1	5.4	7.5	36.8	20.9	6.2	6.1
	1200	47.6	25.0	8.0	8.8	55.6	28.9	9.4	12.7	36.6	21.0	6.2	6.0	43.1	24.4	7.3	8.0
16	200	7.2	4.3	0.9	0.6	8.9	4.8	1.1	2.1	5.2	3.7	0.7	0.3	6.7	4.1	0.9	1.3
	300	10.9	6.0	1.4	2.5	12.7	6.6	1.6	4.9	8.1	5.0	1.1	1.5	9.7	5.6	1.2	3.0
	800	29.0	16.1	3.7	9.4	34.6	19.0	4.4	3.1	21.0	13.4	2.7	6.4	26.9	16.5	3.4	1.9
	1000	35.0	19.3	4.4	5.5	40.6	22.3	5.1	3.6	25.7	16.2	3.3	3.4	31.7	19.3	4.0	2.3
	1200	40.2	22.3	5.1	4.5	47.6	26.0	6.0	5.6	29.2	18.7	3.7	2.8	37.1	22.4	4.7	3.6
20	200	5.6	3.8	0.6	0.3	7.3	4.3	0.8	1.0					5.3	3.7	0.6	0.6
	300	9.0	5.3	0.9	1.2	10.8	6.0	1.1	2.4	6.5	4.5	0.7	0.7	7.9	5.0	0.8	1.4
	800	23.5	14.2	2.4	4.4	29.9	17.4	3.0	1.6	16.5	12.0	1.7	2.4	22.3	15.1	2.3	0.9
	1000	28.9	17.2	2.9	2.9	35.4	20.5	3.6	1.8	20.6	14.7	2.1	1.7	26.6	17.8	2.7	1.1
	1200	32.6	19.8	3.3	2.3	41.3	23.8	4.2	2.9	23.1	16.8	2.4	1.4	31.0	20.6	3.2	1.7

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas or coil pressure drops above 51 feet.

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 72.0 DB/59.0 WB, 45 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	4.7	3.9	1.6	5.2	3.8	3.6	1.3	3.6	3.6	3.5	1.3	3.2	2.8	2.8	1.0	2.1
	300	7.6	6.2	2.6	18.1	6.0	5.5	2.1	12.0	5.7	5.4	2.0	10.8	4.4	4.4	1.6	6.7
	400	9.6	7.8	3.3	13.7	7.7	7.0	2.7	9.3	7.2	6.8	2.6	8.5	5.6	5.6	2.0	5.4
	600	13.7	11.3	4.6	20.5	10.9	10.0	3.8	13.9	10.3	9.8	3.6	12.6	7.9	7.9	2.8	8.1
8	200	4.4	3.8	1.1	2.6	3.6	3.5	0.9	1.8	3.4	3.4	0.9	1.7	2.6	2.6	0.7	1.0
	300	7.1	6.0	1.9	9.3	5.7	5.4	1.5	6.2	5.4	5.2	1.4	5.6	4.1	4.1	1.1	3.4
	400	9.0	7.6	2.4	7.3	7.2	6.8	1.9	5.0	6.8	6.7	1.8	4.6	5.2	5.2	1.4	2.9
	600	12.8	10.9	3.3	11.0	10.2	9.7	2.7	7.5	9.7	9.5	2.5	6.8	7.3	7.3	2.0	4.4
10	200	4.1	3.7	0.9	1.5	3.3	3.3	0.7	1.1	3.2	3.2	0.7	1.0	2.3	2.3	0.5	0.6
	300	6.6	5.8	1.4	5.3	5.3	5.2	1.1	3.6	5.0	5.0	1.1	3.3	3.8	3.8	0.8	2.0
	400	8.4	7.3	1.8	4.4	6.8	6.6	1.4	3.0	6.4	6.4	1.4	2.8	4.9	4.9	1.1	1.7
	600	12.0	10.5	2.5	6.6	9.6	9.6	2.0	4.6	9.1	9.1	1.9	4.2	6.8	6.8	1.5	2.6
12	200	3.8	3.6	0.7	1.0	3.1	3.1	0.6	0.7	2.9	2.9	0.5	0.6				
	300	6.2	5.6	1.1	3.4	5.0	5.0	0.9	2.3	4.7	4.7	0.8	2.1	3.4	3.4	0.6	1.2
	400	8.0	7.1	1.4	2.9	6.4	6.4	1.1	2.0	6.1	1.1	1.1	1.8	4.5	4.5	0.8	1.1
	600	11.2	10.1	2.0	4.3	9.0	9.0	1.6	3.0	8.5	8.5	1.5	2.7	6.2	6.2	1.1	1.6
16	200																
	300	5.4	5.2	0.7	1.5	4.2	4.2	0.6	1.0	4.0	4.0	0.5	0.9				
	400	7.0	6.7	0.9	1.4	5.6	5.6	0.8	0.9	5.2	5.2	0.7	0.8	3.6	3.6	0.5	0.5
	600	9.7	9.5	1.3	2.0	7.6	7.6	1.0	1.4	7.2	7.2	1.0	1.2	4.9	4.9	0.7	0.7
20	200																
	300	4.6	4.6	0.5	0.7	3.5	3.5	0.4	0.5								
	400	6.1	6.1	0.7	0.7	4.7	4.7	0.5	0.5	4.3	4.3	0.5	0.4				
	600	8.3	8.3	0.9	1.1	6.3	6.3	0.7	0.7	5.8	5.8	0.6	0.6				

ENTERING AIR 72.0 DB/60.0 WB, 50 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.0	3.8	1.7	5.7	4.0	3.4	1.4	3.8	3.7	3.3	1.3	3.4	2.8	2.8	1.0	2.1
	300	8.1	6.1	2.8	20.3	6.4	5.4	2.2	13.3	6.0	5.2	2.1	11.9	4.4	4.4	1.6	6.7
	400	10.2	7.7	3.5	15.2	8.1	6.8	2.8	10.2	7.6	6.6	2.7	9.2	5.6	5.6	2.0	5.4
	600	14.7	11.2	5.1	22.9	11.6	9.8	4.0	15.3	10.8	9.5	3.8	13.8	7.9	7.9	2.8	8.1
8	200	4.6	3.7	1.2	2.9	3.7	3.3	1.0	1.9	3.5	3.2	1.0	1.7	2.6	2.6	0.7	1.0
	300	7.5	5.9	2.0	10.3	5.9	5.2	1.6	6.7	5.6	5.0	1.5	6.0	4.1	4.1	1.1	3.4
	400	9.5	7.4	2.5	8.1	7.5	6.6	2.0	5.4	7.1	6.4	1.9	4.9	5.2	5.2	1.4	2.9
	600	13.6	10.7	3.5	12.1	10.7	9.4	2.8	8.1	10.0	9.1	2.6	7.3	7.3	7.3	2.0	4.4
10	200	4.2	3.5	0.9	1.6	3.4	3.2	0.7	1.1	3.2	3.1	0.7	1.0	2.4	2.4	0.5	0.6
	300	7.0	5.6	1.5	5.9	6.0	5.0	1.2	3.8	5.2	4.9	1.1	3.4	3.8	3.8	0.8	2.0
	400	8.9	7.1	1.9	4.8	7.0	6.3	1.5	3.2	6.6	6.2	1.4	2.9	4.9	4.9	1.1	1.7
	600	12.6	10.2	2.6	7.2	9.9	9.1	2.1	4.8	9.3	8.8	2.0	4.3	6.8	6.8	1.5	2.6
12	200	3.9	3.4	0.7	1.0	3.1	3.1	0.6	0.7	2.9	2.9	0.5	0.6				
	300	6.5	5.4	1.1	3.6	5.1	4.8	0.9	2.4	4.8	4.8	0.9	2.1	3.4	3.4	0.6	1.2
	400	8.3	6.9	1.5	3.1	6.6	6.2	1.2	2.1	6.2	6.0	1.1	1.9	4.5	4.5	0.8	1.1
	600	11.7	9.8	2.0	4.6	9.2	8.8	1.6	3.1	8.6	8.6	1.5	2.8	6.2	6.2	1.1	1.6
16	200																
	300	5.5	5.0	0.7	1.6	4.3	4.3	0.6	1.0	4.0	4.0	0.5	0.9				
	400	7.2	6.4	1.0	1.4	5.7	5.7	0.8	1.0	5.3	5.3	0.7	0.9	3.6	3.6	0.5	0.5
	600	10.0	9.1	1.3	2.1	7.8	7.8	1.0	1.4	7.3	7.3	1.0	1.3	4.8	4.8	0.7	0.7
20	200																
	300	4.6	4.6	0.5	0.8												
	400	6.2	6.0	0.7	0.7	4.7	4.7	0.5	0.5	4.3	4.3	0.5	0.4				
	600	8.4	8.4	0.9	1.1	6.3	6.3	0.7	0.7	5.8	5.8	0.6	0.6				

ENTERING AIR 72.0 DB/61.5 WB, 55 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.5	3.8	1.9	6.9	4.4	3.3	1.5	4.5	4.1	3.2	1.4	4.0	2.9	2.7	1.0	2.2
	300	9.0	6.1	3.1	24.6	7.1	5.2	2.5	16.2	6.7	5.0	2.3	14.4	4.6	4.2	1.6	7.3
	400	11.2	7.6	3.9	18.1	9.0	6.6	3.1	12.2	8.4	6.3	3.0	10.9	5.8	5.3	2.1	5.8
	600	16.3	11.0	5.6	27.4	12.9	9.5	4.5	18.5	12.0	9.1	4.2	16.4	8.3	7.6	2.9	8.7
8	200	5.0	3.6	1.3	3.4	4.0	3.1	1.04	2.2	3.7	3.0	1.0	2.0	2.6	2.6	0.7	1.1
	300	8.3	5.8	2.2	12.4	6.5	5.0	1.7	8.0	6.1	4.8	1.6	7.0	4.2	4.0	1.1	3.6
	400	10.5	7.3	2.7	9.5	8.3	6.3	2.2	6.3	7.7	6.1	2.0	5.6	5.4	5.1	1.5	3.1
	600	15.1	10.5	3.9	14.5	11.8	9.0	3.1	10.0	11.0	8.7	2.9	8.5	7.6	7.3	2.0	4.6
10	200	4.6	3.4	1.0	1.9	3.6	3.0	0.8	1.2	3.4	2.9	0.7	1.1	2.4	2.4	0.5	0.6
	300	7.7	5.5	1.6	7.0	6.0	4.7	1.3	4.4	5.6	4.6	1.2	3.9	3.8	3.8	0.8	2.0
	400	9.8	6.9	2.0	5.6	7.6	6.0	1.6	3.7	7.1	5.8	1.5	3.3	4.9	4.9	1.1	1.8
	600	13.9	10.0	2.9	8.6	10.7	8.6	2.3	5.5	10.0	8.3	2.1	4.9	6.9	6.9	1.5	2.6
12	200	4.2	3.2	0.7	1.1	3.2	2.8	0.6	0.7	3.0	2.8	0.5	0.6				
	300	7.1	5.2	1.2	4.3	5.4	4.5	1.0	2.6	5.1	4.4	0.9	2.3	3.5	3.5	0.6	1.2
	400	9.1	6.6	1.6	3.6	7.0	5.8	1.2	2.3	6.5	5.6	1.2	2.0	4.5	4.5	0.8	1.1
	600	12.8	9.5	2.2	5.4	9.8	8.2	1.7	3.4	9.1	7.9	1.6	3.0	6.2	6.2	1.1	1.6
16	200	3.4	2.9	0.5	0.5												
	300	5.9	4.7	0.8	1.8	4.5	4.1	0.6	1.1	4.0	4.1	0.6	0.9				
	400	7.7	6.1	1.0	1.6	5.9	5.3	0.8	1.0	5.5	5.2	0.7	0.9	3.6	3.6	0.5	0.5
	600	10.6	8.6	1.4	2.4	8.0	7.5	1.1	1.5	7.4	7.3	1.0	1.3	4.8	4.8	0.7	0.7
20	200																
	300	4.8	4.3	0.5	0.8												
	400	6.4	5.6	0.7	0.8	4.8	4.8	0.5	0.5	4.4	4.4	0.5	0.4				
	600	8.7	7.8	0.9	1.2	6.4	6.4	0.7	0.7	5.8	5.8	0.6	0.6				

ENTERING AIR 75.0 DB/61.0 WB, 45 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	5.4	4.4	1.9	6.6	4.4	3.9	1.5	4.6	4.2	3.8	1.5	4.2	3.3	3.3	1.2	2.7
	300	8.7	6.8	3.0	23.1	7.0	6.0	2.5	15.8	6.6	5.9	2.3	14.2	5.1	5.1	1.8	8.8
	400	10.9	8.5	3.8	17.1	8.9	7.6	3.1	12.0	8.4	7.4	2.9	10.9	6.4	6.4	2.3	7.0
	600	15.7	12.4	5.4	25.8	12.7	11.0	4.4	18.0	12.0	10.7	4.2	16.3	9.2	9.2	3.2	10.4
8	200	5.0	4.1	1.3	3.4	4.1	3.8	1.1	2.2	3.9	3.7	1.0	2.2	3.1	3.1	0.8	1.4
	300	8.1	6.5	2.1	11.9	6.6	5.9	1.7	8.1	6.2	5.7	1.6	7.3	4.8	4.8	1.3	4.6
	400	10.3	8.3	2.7	9.2	8.4	7.4	2.2	6.4	7.9	7.2	2.1	5.9	6.1	6.1	1.6	3.8
	600	14.7	11.9	3.8	13.9	11.9	10.7	3.1	9.7	11.2	10.4	2.9	8.8	8.6	8.6	2.3	5.7
10	200	4.7	4.0	1.0	2.0	3.8	3.7	0.8	1.4	3.7	3.6	0.8	1.3	2.8	2.8	0.6	0.8
	300	7.6	6.3	1.6	6.9	6.2	5.7	1.3	4.7	5.8	5.6	1.2	4.3	4.5	4.5	1.0	2.7
	400	9.7	8.0	2.0	5.6	7.9	7.2	1.7	3.9	7.5	7.1	1.6	3.5	5.8	5.8	1.2	2.3
	600	13.8	11.5	2.9	8.4	11.1	10.4	2.3	5.9	10.6	10.1	2.2	5.4	8.1	8.1	1.7	3.4
12	200	4.4	3.9	0.8	1.2	3.6	3.6	0.6	0.9	3.4	3.4	0.6	0.8	2.6	2.6	0.5	0.5
	300	7.2	6.1	1.2	4.3	5.8	5.5	1.0	3.0	5.5	5.4	1.0	2.7	4.2	4.2	0.8	1.7
	400	9.1	7.8	1.6	3.6	7.5	7.1	1.3	2.5	7.1	6.9	1.3	2.3	5.4	5.4	1.0	1.5
	600	12.9	11.1	2.2	5.4	10.4	10.1	1.8	3.8	9.9	9.9	1.7	3.5	7.5	7.5	1.3	2.2
16	200	3.8	3.6	0.5	0.5												
	300	6.2	5.7	0.8	2.0	5.1	5.1	0.7	1.3	4.8	4.8	0.6	1.2	3.5	3.5	0.5	0.7
	400	8.1	7.3	1.1	1.8	6.6	6.6	0.9	1.2	6.2	6.2	0.8	1.1	4.6	4.6	0.6	0.7
	600	11.3	10.4	1.5	2.6	9.1	9.1	1.2	1.8	8.6	8.6	1.1	1.7	6.3	6.3	0.9	1.0
20	200																
	300	5.4	5.4	0.6	1.0	4.3	4.3	0.5	0.7								
	400	7.1	6.9	0.8	0.9	5.7	5.7	0.6	0.6	5.3	5.3	0.6	0.6				
	600	9.8	9.8	1.0	1.4	7.8	7.8	0.8	0.9	7.2	7.2	0.8	0.8				

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 75.0 DB/63.0 WB, 50 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.1	4.2	2.1	8.3	4.9	3.7	1.7	5.6	4.7	3.6	1.6	5.1	3.4	3.1	1.2	2.9
	300	9.8	6.7	3.4	29.2	8.0	5.8	2.8	20.0	7.6	5.6	2.6	18.0	5.4	4.8	1.9	9.8
	400	12.3	8.4	4.3	21.3	10.1	7.4	3.5	14.9	9.5	7.1	3.3	13.5	6.8	6.0	2.4	7.7
	600	17.9	12.2	6.1	32.2	14.5	10.6	5.0	22.5	13.7	10.3	4.7	20.4	9.7	8.7	3.4	11.5
8	200	5.6	4.0	1.5	4.1	4.5	3.5	1.2	2.8	4.3	3.4	1.1	2.5	3.1	3.0	0.8	1.4
	300	9.2	6.4	2.4	14.9	7.4	5.6	1.9	10.0	7.0	5.4	1.8	9.0	5.0	4.6	1.3	4.9
	400	11.6	8.0	3.0	11.3	9.4	7.1	2.5	7.8	8.8	6.8	2.3	7.1	6.3	5.9	1.7	4.0
	600	16.7	11.6	4.3	17.2	13.4	10.2	3.5	11.8	12.5	9.8	3.3	10.6	9.0	8.4	2.4	6.1
10	200	5.2	3.8	1.1	2.4	4.1	3.4	0.9	1.6	3.9	3.3	0.8	1.4	2.9	2.9	0.6	0.8
	300	8.6	6.1	1.8	8.5	6.8	5.4	1.4	5.7	6.4	5.2	1.4	5.1	4.6	4.5	1.0	2.8
	400	10.9	7.7	2.3	6.8	8.7	6.8	1.8	4.6	8.2	6.6	1.7	4.1	5.9	5.7	1.3	2.4
	600	15.5	11.1	3.2	10.3	12.3	9.7	2.6	6.9	11.6	9.4	2.4	6.2	8.3	8.2	1.8	3.6
12	200	4.8	3.6	0.8	1.4	3.8	3.2	0.6	1.0	3.6	3.2	0.6	0.9	2.6	2.6	0.5	0.5
	300	8.0	5.8	1.4	5.3	6.3	5.1	1.1	3.5	5.9	5.0	1.0	3.1	4.2	4.2	0.8	1.7
	400	10.1	7.4	1.8	4.3	8.1	6.6	1.4	2.9	7.6	6.4	1.3	2.6	5.5	5.5	1.0	1.5
	600	14.4	10.6	2.5	6.6	11.3	9.3	2.0	4.4	10.6	9.1	1.9	3.9	7.6	7.6	1.4	2.3
16	200	4.0	3.3	0.5	0.6												
	300	6.8	5.3	0.9	2.3	5.3	4.8	0.7	1.5	5.0	4.6	0.7	1.3	3.5	3.5	0.5	0.7
	400	8.8	6.9	1.2	2.0	6.9	6.1	0.9	1.3	6.5	5.9	0.9	1.2	4.6	4.6	0.6	0.7
	600	12.2	9.7	1.6	3.0	9.5	8.6	1.3	2.0	8.9	8.4	1.2	1.8	6.3	6.3	0.9	1.0
20	200																
	300	5.7	4.9	0.6	1.1	4.4	4.4	0.5	0.7								
	400	7.5	6.3	0.8	1.0	5.8	5.7	0.6	0.7	5.5	5.5	0.6	0.6				
	600	10.3	8.9	1.1	1.5	7.9	7.9	0.8	1.0	7.4	7.4	0.8	0.9				

ENTERING AIR 75.0 DB/64.0 WB, 55 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.5	4.2	2.2	9.3	5.3	3.6	1.8	6.4	5.0	3.5	1.7	5.8	3.6	2.9	1.3	3.2
	300	10.5	6.6	3.6	32.8	8.6	5.8	3.0	23.0	8.2	5.6	2.8	20.7	5.8	4.6	2.0	11.1
	400	13.1	8.3	4.5	23.7	10.8	7.3	3.8	16.9	10.2	7.0	3.6	15.3	7.3	5.8	2.6	8.6
	600	19.0	12.1	6.5	35.8	15.6	10.6	5.4	25.6	14.8	10.2	5.1	23.2	10.4	8.4	3.6	12.9
8	200	6.0	3.9	1.6	4.7	4.8	3.4	1.3	3.1	4.6	3.3	1.2	2.8	3.2	2.8	0.9	1.5
	300	9.8	6.4	2.5	16.9	8.0	5.5	2.1	11.5	7.5	5.3	2.0	10.2	5.3	4.4	1.4	5.4
	400	12.4	8.0	3.2	12.7	10.0	7.0	2.6	8.8	9.5	6.7	2.5	8.0	6.7	5.6	1.8	4.4
	600	17.9	11.6	4.6	19.3	14.4	10.0	3.7	13.4	9.7	3.5	3.5	12.0	9.5	8.1	2.5	6.6
10	200	5.5	3.7	1.1	2.7	4.4	3.3	0.9	1.8	4.1	3.2	0.9	1.6	2.9	2.7	0.6	0.8
	300	9.2	6.0	1.9	9.7	7.3	5.2	1.5	6.4	6.9	5.1	1.4	5.7	4.8	4.3	1.0	3.0
	400	11.6	7.6	2.4	7.6	9.3	6.6	1.9	5.2	8.7	6.4	1.8	4.6	6.2	5.4	1.3	2.6
	600	16.6	11.0	3.4	11.5	13.2	9.5	2.7	7.8	12.4	9.2	2.6	7.0	8.6	7.7	1.8	3.8
12	200	5.1	3.5	0.9	1.6	4.0	3.1	0.7	1.0	3.7	3.0	0.7	0.9	2.6	2.6	0.5	0.5
	300	8.5	5.7	1.5	5.9	6.7	5.0	1.2	3.9	6.3	4.8	1.1	3.4	4.4	4.1	0.8	1.8
	400	10.8	7.3	1.9	4.8	8.6	6.4	1.5	3.2	8.0	6.1	1.4	2.9	5.6	5.2	1.0	1.6
	600	15.4	10.5	2.7	7.3	12.0	9.1	2.1	4.8	11.2	8.8	2.0	4.3	7.8	7.5	1.4	2.4
16	200	4.2	3.2	0.5	0.7												
	300	7.2	5.2	0.9	2.5	5.5	4.5	0.7	1.6	5.2	4.4	0.7	1.4	3.5	3.5	0.5	0.7
	400	9.3	6.7	1.2	2.2	7.2	5.8	1.0	1.4	6.8	5.7	0.9	1.3	4.7	4.7	0.6	0.7
	600	12.9	9.4	1.7	3.3	9.9	8.3	1.3	2.1	9.3	8.0	1.2	1.9	6.3	6.3	0.9	1.0
20	200																
	300	5.9	4.7	0.6	1.2	4.5	4.2	0.5	0.7	4.2	4.0	0.5	0.6				
	400	7.9	6.1	0.8	1.1	6.0	5.8	0.6	0.7	5.6	5.2	0.6	0.6				
	600	10.7	8.6	1.1	1.6	8.1	7.6	0.9	1.0	7.5	7.3	0.8	0.9	4.8	4.8	0.5	0.4

ENTERING AIR 78.0 DB/63.5 WB, 45 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.3	4.6	2.2	8.7	5.2	4.1	1.8	6.2	4.9	4.0	1.7	5.6	3.8	3.6	1.3	3.5
	300	10.1	7.3	3.5	30.7	8.4	6.5	2.9	21.6	7.9	6.4	2.8	19.6	5.9	5.6	2.1	11.6
	400	12.7	9.2	4.4	22.3	10.5	8.2	3.6	16.0	10.0	8.0	3.5	14.7	7.5	7.0	2.6	9.0
	600	18.4	13.4	6.3	33.7	15.1	11.9	5.2	24.1	14.3	11.6	4.9	22.0	10.7	10.1	3.7	13.4
8	200	5.8	4.4	1.5	4.5	4.8	4.0	1.3	3.1	4.6	3.9	1.2	2.9	3.6	3.6	0.9	1.8
	300	9.5	7.1	2.5	15.9	7.8	6.3	2.0	11.0	7.4	6.1	1.9	10.0	5.6	5.4	1.5	6.0
	400	12.0	8.9	3.1	12.0	9.9	8.0	2.6	8.6	9.4	9.8	2.5	7.8	7.1	6.9	1.9	4.9
	600	17.2	12.9	4.4	18.2	14.1	11.5	3.7	12.9	13.3	11.2	3.5	11.8	10.0	9.9	2.6	7.3
10	200	5.5	4.3	1.1	2.6	4.5	3.9	0.9	1.8	4.3	3.8	0.9	1.7	3.3	3.3	0.7	1.1
	300	8.9	6.8	1.9	9.2	7.3	6.1	1.5	6.4	6.9	6.0	1.5	5.8	5.2	5.2	1.1	3.5
	400	11.3	8.6	2.4	7.3	9.3	7.7	1.9	5.1	8.8	7.5	1.8	4.7	6.7	6.7	1.4	3.0
	600	16.1	12.4	3.3	11.0	13.1	11.1	2.7	7.8	12.5	10.8	2.6	7.1	9.5	9.5	2.0	4.5
12	200	5.1	4.1	0.9	1.6	4.2	3.8	0.7	1.1	4.0	3.7	0.7	1.0	3.1	3.1	0.5	0.7
	300	8.4	6.6	1.5	5.8	6.8	5.9	1.2	4.0	6.5	5.8	1.1	3.6	5.0	5.0	0.9	2.2
	400	10.7	8.3	1.9	4.7	8.7	7.5	1.5	3.3	8.3	7.4	1.5	3.1	6.4	6.4	1.1	1.9
	600	15.2	12.0	2.6	7.2	12.3	10.8	2.1	5.0	11.7	10.5	2.0	4.6	8.9	8.9	1.6	2.9
16	200	4.4	3.9	0.6	0.7	3.6	3.6	0.5	0.5	3.4	3.4	0.5	0.5				
	300	7.3	6.1	1.0	2.6	6.0	5.6	0.8	1.8	5.6	5.5	0.7	1.6	4.3	4.3	0.6	1.0
	400	9.5	7.8	1.2	2.3	7.7	7.1	1.0	1.6	7.3	7.0	1.0	1.5	5.6	5.6	0.7	0.9
	600	13.2	11.1	1.7	3.4	10.7	10.1	1.4	2.4	10.1	9.9	1.3	2.2	7.6	7.6	1.0	1.4
20	200																
	300	6.4	5.7	0.7	1.3	5.1	5.1	0.5	0.9	4.9	4.9	0.5	0.8				
	400	8.4	7.4	0.9	1.2	6.8	6.8	0.7	0.9	6.4	6.4	0.7	0.8	4.7	4.7	0.5	0.5
	600	11.5	10.4	1.2	1.8	9.2	9.2	1.0	1.3	8.7	8.7	0.9	1.2	6.3	6.3	0.7	0.7

ENTERING AIR 78.0 DB/65.0 WB, 50 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.9	4.6	2.4	10.3	5.7	4.0	2.0	7.3	5.4	3.9	1.9	6.6	4.0	3.4	1.4	3.9
	300	11.1	7.3	3.8	36.3	9.2	6.4	3.2	26.0	8.8	6.2	3.0	23.6	6.5	5.3	2.3	13.5
	400	13.9	9.1	4.8	26.0	11.6	8.1	4.0	19.0	11.0	7.9	3.8	17.3	8.1	6.7	2.9	10.3
	600	20.1	13.3	6.9	39.4	16.8	11.8	5.8	28.8	15.9	11.4	5.5	26.2	11.6	9.6	4.0	5.4
8	200	6.4	4.3	1.7	5.3	5.2	3.9	1.4	3.7	5.0	3.7	1.3	3.3	3.7	3.3	1.0	1.9
	300	10.5	7.0	2.7	18.8	8.6	6.2	2.2	13.2	8.1	6.0	2.1	11.9	5.9	5.1	1.6	6.7
	400	13.1	8.8	3.4	14.1	10.8	7.8	2.8	10.1	10.3	7.5	2.7	9.2	7.5	6.5	2.0	5.4
	600	19.0	12.7	4.9	21.4	15.5	11.2	4.0	15.2	14.7	10.9	3.8	13.8	10.7	9.3	2.8	8.1
10	200	5.9	4.1	1.2	3.0	4.8	3.7	1.0	2.1	4.6	3.6	1.0	1.9	3.4	3.2	0.7	1.1
	300	9.8	6.7	2.0	10.9	8.0	5.9	1.7	7.5	7.5	5.7	1.6	6.7	5.5	5.0	1.2	3.8
	400	12.4	8.4	2.6	8.5	10.1	7.5	2.1	6.0	9.5	7.3	2.0	5.4	7.0	6.3	1.5	3.2
	600	17.7	12.1	3.6	12.9	14.4	10.8	3.0	9.0	13.6	10.4	2.8	8.2	9.9	9.0	2.1	4.8
12	200	5.5	4.0	1.0	1.9	4.4	3.6	0.8	1.3	4.2	3.5	0.7	1.1	3.1	3.1	0.6	0.7
	300	9.1	6.4	1.6	6.8	7.4	5.7	1.3	4.6	7.0	5.5	1.2	4.1	5.1	4.8	0.9	2.4
	400	11.6	8.1	2.0	5.5	9.4	7.2	1.6	3.8	8.9	7.0	1.6	3.5	6.6	6.1	1.1	2.0
	600	16.5	11.7	2.8	8.3	13.3	10.3	2.3	5.7	12.5	10.0	2.2	5.2	9.1	8.7	1.6	3.1
16	200	4.7	3.6	0.6	0.8	3.7	3.3	0.5	0.5	3.5	3.2	0.5	0.5				
	300	7.9	5.9	1.0	3.0	6.3	5.3	0.8	2.0	5.9	5.1	0.8	1.8	4.3	4.3	0.6	1.0
	400	10.2	7.5	1.3	2.6	8.2	6.7	1.1	1.8	7.7	6.5	1.0	1.6	5.6	5.6	0.8	0.9
	600	14.2	10.7	1.8	3.9	11.3	9.5	1.5	2.6	10.6	9.3	1.4	2.4	7.7	7.7	1.0	1.4
20	200																
	300	6.7	5.4	0.7	1.5	5.3	4.9	0.6	1.0	5.0	4.8	0.5	0.9				
	400	8.8	7.0	0.9	1.4	7.0	6.3	0.7	0.9	6.6	6.1	0.7	0.8	4.7	4.7	0.5	0.5
	600	12.1	9.9	1.3	2.0	9.5	8.9	1.0	1.3	9.0	8.7	0.9	1.2	6.3	6.3	0.7	0.7

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas.

HIGH SPEED

COOLING CAPACITIES

ENTERING AIR 78.0 DB/68.0 WB, 60 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	8.2	4.5	2.8	14.1	7.0	4.0	2.4	10.6	6.7	3.8	2.3	9.8	5.0	3.2	1.8	5.9
	300	13.1	7.2	4.5	49.4	11.3	6.3	3.9	37.4	10.8	6.1	3.7	34.5	8.2	5.1	2.9	21.1
	400	16.4	9.0	5.6	34.8	14.1	7.9	4.8	26.7	13.5	7.7	4.6	24.7	10.3	6.4	3.6	15.5
	600	23.8	13.1	8.1	52.5	20.4	11.5	7.0	40.3	19.5	11.2	6.7	37.4	14.9	9.2	5.1	23.5
8	200	7.7	4.3	2.0	7.4	6.5	3.7	1.7	5.4	6.2	3.6	1.6	4.9	4.5	3.0	1.2	2.8
	300	12.5	6.9	3.2	26.1	10.6	6.0	2.7	19.3	10.1	5.8	2.6	17.7	7.5	4.8	2.0	10.2
	400	15.6	8.6	4.0	19.1	13.3	7.6	3.4	14.3	12.7	7.3	3.3	13.2	9.4	6.0	2.5	7.9
	600	22.6	12.5	5.8	29.0	19.2	11.0	4.9	21.8	18.3	10.6	4.7	20.1	13.5	8.7	3.5	12.0
10	200	7.2	4.1	1.5	4.3	6.0	3.5	1.2	3.0	5.6	3.4	1.2	2.7	4.0	2.8	0.8	1.5
	300	11.8	6.6	2.4	15.4	9.9	5.7	2.0	11.1	9.4	5.5	1.9	10.0	6.7	4.5	1.4	5.5
	400	14.9	8.3	3.1	11.7	12.4	7.2	2.6	8.6	11.8	7.0	2.4	7.8	8.6	5.7	1.8	4.5
	600	21.4	12.0	4.4	17.8	17.8	10.4	3.7	13.0	16.9	10.1	3.5	11.8	12.1	8.2	2.5	6.7
12	200	6.7	3.8	1.2	2.7	5.4	3.3	0.9	1.8	5.1	3.2	0.9	1.6	3.5	2.6	0.6	0.8
	300	11.1	6.3	1.9	9.8	9.1	5.4	1.6	6.7	8.6	5.2	1.5	6.1	6.0	4.3	1.1	3.2
	400	14.0	7.9	2.4	7.6	11.5	6.9	2.0	5.4	10.9	6.6	1.9	4.9	7.7	5.4	1.4	2.7
	600	20.1	11.4	3.4	11.6	16.5	9.9	2.8	8.2	15.5	9.5	2.7	7.4	10.8	7.7	1.9	4.0
16	200	5.6	3.4	0.7	1.1	4.3	2.9	0.6	0.7	4.0	2.8	0.5	0.6				
	300	9.6	5.6	1.2	4.3	7.5	4.8	1.0	2.8	7.0	4.6	0.9	2.4	4.8	3.8	0.6	1.2
	400	12.3	7.2	1.6	3.6	9.7	6.2	1.3	2.4	9.1	5.9	1.2	2.1	6.2	4.9	0.8	1.1
	600	17.3	10.2	2.2	5.4	13.5	8.7	1.8	3.5	12.6	8.4	1.6	3.1	8.5	7.0	1.1	1.6
20	200	4.5	3.0	0.5	0.5												
	300	7.9	5.0	0.8	2.0	6.0	4.3	0.6	1.2	5.6	4.1	0.6	1.1				
	400	10.4	6.4	1.1	1.8	8.0	5.5	0.8	1.1	7.4	5.3	0.8	1.0	4.9	4.5	0.5	0.5
	600	14.3	9.0	1.5	2.6	10.9	7.8	1.1	1.7	10.1	7.5	1.1	1.5	6.6	6.3	0.7	0.7

ENTERING AIR 80.0 DB/63.5 WB, 40 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	6.3	4.9	2.2	8.7	5.3	4.5	1.8	6.4	5.0	4.4	1.8	5.9	4.1	4.1	1.4	4.0
	300	10.1	7.8	3.5	30.6	8.4	7.1	2.9	22.0	8.0	6.9	2.8	20.1	6.2	6.2	2.2	12.7
	400	12.7	9.8	4.4	22.3	10.6	8.9	3.7	16.4	10.1	8.7	3.5	15.0	7.9	7.9	2.8	9.8
	600	18.3	14.2	6.3	33.5	15.3	12.9	5.3	24.5	14.5	12.5	5.0	22.5	11.2	11.2	3.9	14.6
8	200	5.9	4.8	1.5	4.6	5.0	4.4	1.3	3.3	4.7	4.3	1.2	3.0	3.8	3.8	1.0	2.1
	300	9.6	7.6	2.5	16.0	8.0	6.9	2.1	11.4	7.6	6.7	2.0	10.4	6.0	6.0	1.6	6.8
	400	12.1	9.5	3.1	12.2	10.1	8.7	2.6	8.9	9.6	8.5	2.5	8.2	7.6	7.6	2.0	5.4
	600	17.3	13.8	4.5	18.4	14.4	12.5	3.7	13.3	13.6	12.2	3.5	12.2	10.7	10.7	2.8	8.2
10	200	5.5	4.6	1.2	2.7	4.7	4.3	1.0	2.0	4.5	4.2	0.9	1.8	3.6	3.6	0.8	1.2
	300	9.0	7.3	1.9	9.4	7.5	6.7	1.6	6.7	7.1	6.5	1.5	6.1	5.7	5.7	1.2	4.0
	400	11.5	9.3	2.4	7.4	9.6	8.5	2.0	5.4	9.1	8.3	1.9	5.0	7.2	7.2	1.5	3.4
	600	16.3	13.3	3.4	11.2	13.5	12.1	2.8	8.1	12.9	11.9	2.7	7.5	10.2	10.2	2.1	5.1
12	200	5.2	4.5	0.9	1.7	4.4	4.2	0.8	1.2	4.2	4.1	0.7	1.2	3.4	3.4	0.6	0.8
	300	8.5	7.1	1.5	6.0	7.1	6.5	1.2	4.3	6.8	6.4	1.2	4.0	5.4	5.4	1.0	2.6
	400	10.9	9.0	1.9	4.9	9.1	8.3	1.6	3.6	8.7	8.1	1.5	3.3	6.9	6.9	1.2	2.2
	600	15.5	13.0	2.7	7.4	12.8	11.9	2.2	5.4	12.2	11.6	2.1	5.0	9.7	9.7	1.7	3.4
16	200	4.6	4.3	0.6	0.8	3.9	3.9	0.5	0.6	3.7	3.7	0.5	0.5				
	300	7.6	6.7	1.0	2.8	6.3	6.2	0.8	2.0	6.1	6.1	0.8	1.9	4.8	4.8	0.6	1.2
	400	9.8	8.6	1.3	2.4	8.2	7.9	1.1	1.8	7.8	7.8	1.0	1.6	6.2	6.2	0.8	1.1
	600	13.7	12.2	1.8	3.7	11.4	11.4	1.5	2.7	10.9	10.9	1.4	2.5	8.5	8.5	1.1	1.6
20	200	4.0															
	300	6.8	6.4	0.7	1.5	5.6	5.6	0.6	1.1	5.3	5.3	0.6	1.0				
	400	8.9	8.2	0.9	1.3	7.3	7.3	0.8	1.0	7.0	7.0	0.7	0.9	5.3	5.3	0.6	0.6
	600	12.2	11.6	1.3	2.0	10.1	10.1	1.1	1.5	9.6	9.6	1.0	1.3	7.3	7.3	0.8	0.9

ENTERING AIR 80.0 DB/67.0 WB, 50 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.7	4.8	2.6	12.7	6.5	4.3	2.2	9.4	6.2	4.1	2.1	8.6	4.7	3.5	1.6	5.1
	300	12.4	7.6	4.2	44.5	10.5	6.8	3.6	33.1	10.1	6.6	3.5	30.4	7.6	5.6	2.6	18.1
	400	15.5	9.6	5.3	31.5	13.2	8.6	4.5	23.8	12.6	8.3	4.3	22.0	9.5	7.0	3.3	13.5
	600	22.5	14.0	7.7	47.6	19.1	12.4	6.5	36.0	18.2	12.1	6.3	33.2	13.7	10.2	4.7	20.3
8	200	7.2	4.6	1.9	6.6	6.0	4.1	1.6	4.7	5.7	3.9	1.5	4.3	4.3	3.4	1.1	2.5
	300	11.7	7.4	3.0	23.4	9.9	6.5	2.6	17.0	9.4	6.3	2.4	15.4	7.0	5.4	1.8	9.0
	400	14.7	9.2	3.8	17.2	12.4	8.2	3.2	12.7	11.7	7.9	3.1	11.6	8.8	6.8	2.3	7.0
	600	21.3	13.4	5.5	26.2	17.9	11.9	4.6	19.3	16.9	11.5	4.4	17.7	12.6	9.8	3.3	10.6
10	200	6.7	4.4	1.4	3.8	5.5	3.9	1.2	2.7					3.9	3.3	0.8	1.4
	300	11.1	7.1	2.3	13.7	9.2	6.2	1.9	9.7					6.4	5.2	1.4	5.1
	400	14.0	8.9	2.9	10.5	11.6	7.9	2.4	7.6					8.2	6.6	1.7	4.1
	600	20.1	12.9	4.1	15.9	16.5	11.3	3.4	11.5					11.5	9.4	2.4	6.2
12	200	6.2	4.1	1.1	2.3	5.1	3.7	0.9	1.6	4.8	3.6	0.8	1.5	3.6	3.2	0.6	0.8
	300	10.4	6.7	1.8	8.6	8.5	6.0	1.5	6.0	8.0	5.8	1.4	5.4	5.9	5.0	1.0	3.1
	400	13.2	8.5	2.3	6.8	10.8	7.6	1.9	4.8	10.2	7.3	1.8	4.4	7.5	6.3	1.3	2.6
	600	18.8	12.3	3.2	10.3	15.3	10.9	2.6	7.3	14.5	10.5	2.5	6.6	10.6	9.0	1.8	3.9
16	200	5.3	3.8	0.7	1.0	4.3	3.4	0.6	0.7	4.0	3.3	0.5	0.6				
	300	9.0	6.2	1.2	3.8	7.2	5.5	0.9	2.6	6.8	5.3	0.9	2.3	5.0	4.7	0.7	1.3
	400	11.6	7.9	1.5	3.2	9.3	7.0	1.2	2.2	8.8	6.8	1.2	2.0	6.4	6.0	0.9	1.2
	600	16.2	11.2	2.1	4.9	13.0	10.0	1.7	3.3	12.2	9.7	1.6	3.0	8.9	8.5	1.2	1.8
20	200	4.4	3.5	0.5	0.5												
	300	7.7	5.7	0.8	1.9	6.1	5.1	0.6	1.2	5.7	4.9	0.6	1.1				
	400	10.0	7.3	1.0	1.7	8.0	6.5	0.8	1.1	7.5	6.3	0.8	1.0	5.4	5.4	0.6	0.6
	600	13.8	10.3	1.4	2.5	10.9	9.2	1.1	1.7	10.3	9.0	1.1	1.5	7.3	7.3	0.8	0.9

ENTERING AIR 80.0 DB/70.0 WB, 60 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.0	4.7	3.1	17.0	7.9	4.2	2.7	13.2	7.6	4.1	2.6	12.3	5.9	3.4	2.0	7.9
	300	14.4	7.5	4.9	59.4	12.6	6.7	4.3	46.2	12.1	6.5	4.2	43.1	9.6	5.5	3.3	28.1
	400	18.1	9.4	6.2	41.4	15.8	8.4	5.4	32.6	15.2	8.1	5.2	30.5	12.0	6.8	4.2	20.3
	600	26.3	13.7	8.9	62.3	22.9	12.2	7.8	49.2	22.0	11.8	7.5	46.0	17.4	9.9	6.0	30.7
8	200	8.6	4.5	2.2	9.0	7.4	4.0	1.9	6.8	7.0	3.9	1.8	6.3	5.4	3.2	1.4	3.8
	300	13.8	7.2	3.5	31.7	12.0	6.4	3.1	24.2	11.5	6.2	3.0	22.4	8.9	5.2	2.3	14.0
	400	17.3	9.1	4.4	22.9	15.0	8.0	3.9	17.7	14.4	7.8	3.7	16.5	11.1	6.5	2.9	10.5
	600	25.1	13.2	6.4	34.7	21.7	11.7	5.5	26.9	20.8	11.3	5.3	25.0	16.0	9.4	4.1	16.0
10	200	8.1	4.3	1.7	5.3	6.8	3.8	1.4	3.9	6.5	3.6	1.3	3.6	4.8	3.0	1.0	2.0
	300	13.2	6.9	2.7	18.9	11.3	6.1	2.3	14.1	10.8	5.9	2.2	13.0	8.1	4.9	1.7	7.7
	400	16.6	8.7	3.4	14.1	14.1	7.7	2.9	10.7	13.5	7.4	2.8	9.9	10.1	6.1	2.1	6.0
	600	23.9	12.6	4.9	21.5	20.3	11.1	4.2	16.3	19.4	10.7	4.0	15.0	14.5	8.8	3.0	9.2
12	200	7.6	4.1	1.3	3.3	6.3	3.6	1.1	2.4	6.0	3.4	1.0	2.1	4.2	2.8	0.7	1.2
	300	12.5	6.6	2.1	12.1	10.5	5.8	1.8	8.8	10.0	5.6	1.7	8.0	7.3	4.6	1.3	4.5
	400	15.8	8.4	2.7	9.3	13.2	7.3	2.3	6.9	12.6	7.1	2.2	6.3	9.2	5.8	1.6	3.7
	600	22.6	12.1	3.9	14.2	19.0	10.6	3.3	10.5	18.0	10.2	3.1	9.6	13.0	8.3	2.2	5.5
16	200	6.5	3.6	0.8	1.4	5.1	3.1	0.7	0.9	4.8	3.0	0.6	0.8				
	300	11.0	6.0	1.4	5.5	8.8	5.2	1.1	3.7	8.3	5.0	1.1	3.3	5.7	4.1	0.8	1.7
	400	14.0	7.6	1.8	4.5	11.3	6.6	1.5	3.1	10.7	6.3	1.4	2.8	7.5	5.2	1.0	1.5
	600	19.9	10.9	2.5	6.9	15.9	9.4	2.1	4.7	14.9	9.0	1.9	4.2	10.2	7.4	1.3	2.2
20	200	5.3	3.2	0.5	0.7												
	300	9.3	5.3	1.0	2.6	7.2	4.6	0.8	1.6	6.7	4.4	0.7	1.4	4.5	3.7	0.5	0.7
	400	12.0	6.8	1.2	2.3	9.4	5.9	1.0	1.5	8.7	5.6	0.9	1.3	5.9	4.7	0.6	0.7
	600	16.7	9.7	1.7	3.4	12.9	8.3	1.3	2.2	12.0	8.0	1.2	2.0	8.0	6.6	0.9	1.0

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas.

SOLID COLOR AREA INDICATES ARI APPROVED STANDARD RATINGS AS SHOWN IN TABLE 19-2, PAGE 19.

COOLING CAPACITIES

HIGH SPEED

ENTERING AIR 85.0 DB/67.0 WB, 40 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	7.7	5.5	2.6	12.5	6.5	5.0	2.2	9.3	6.2	4.9	2.2	8.7	5.0	4.4	1.7	5.7
	300	12.3	8.7	4.2	43.9	10.5	7.9	3.6	32.7	10.0	7.7	3.5	30.2	7.9	6.9	2.7	19.4
	400	15.4	11.1	5.3	31.1	13.1	10.0	4.5	20.7	12.6	9.7	4.3	22.0	9.9	8.7	3.4	14.5
	600	22.5	16.0	7.6	47.0	19.0	14.5	6.5	39.6	18.2	14.1	6.2	39.0	14.2	12.5	4.9	21.7
8	200	7.2	5.3	1.8	6.5	6.1	4.9	1.6	4.9	5.9	4.8	1.5	4.5	4.7	4.4	1.2	3.0
	300	11.7	8.5	3.0	23.1	9.9	7.7	2.6	17.1	9.5	7.5	2.5	15.7	7.4	6.7	1.9	10.1
	400	14.6	10.6	3.8	17.0	12.5	9.7	3.2	12.9	11.9	9.5	3.1	11.9	9.4	8.5	2.5	7.9
	600	21.2	15.5	5.9	25.9	17.9	14.0	4.8	19.4	17.1	13.7	4.6	18.0	13.4	12.2	3.5	11.8
10	200	6.8	5.1	1.4	3.8	5.8	4.7	1.2	2.9	5.5	4.7	1.1	2.6	4.4	4.3	0.9	1.8
	300	11.1	8.2	2.3	13.7	9.4	7.5	1.9	10.1	8.9	7.3	1.9	9.2	7.0	6.6	1.5	6.0
	400	14.0	10.3	2.9	10.5	11.8	9.5	2.5	7.9	11.3	9.2	2.4	7.3	9.0	8.4	1.9	4.8
	600	20.0	15.0	4.1	15.9	16.9	13.6	3.5	11.8	16.1	13.3	3.3	11.0	12.7	12.0	2.6	7.3
12	200	6.4	5.0	1.1	2.5	5.4	4.6	0.9	1.8	5.2	4.5	0.9	1.7	4.2	4.2	0.7	1.1
	300	10.5	8.0	1.8	8.8	8.8	7.3	1.5	6.4	8.4	7.1	1.5	5.9	6.7	6.5	1.2	3.9
	400	13.3	10.1	2.3	6.9	11.2	9.2	1.9	5.1	10.7	9.0	1.9	4.8	8.5	8.2	1.5	3.2
	600	18.9	14.5	3.2	10.9	16.9	13.2	2.7	7.8	15.9	13.0	2.6	7.2	12.0	11.6	2.1	4.9
16	200	5.7	4.7	0.7	1.1	4.8	4.4	0.6	0.8	4.6	4.3	0.6	0.8	3.7	3.7	0.5	0.5
	300	9.4	7.5	1.2	4.1	7.9	6.9	1.0	3.0	7.5	6.8	1.0	2.8	6.0	6.0	0.8	1.8
	400	12.0	9.6	1.6	2.5	10.2	8.8	1.3	2.0	9.7	8.6	1.3	2.4	7.7	7.7	1.0	1.6
	600	16.9	13.7	2.2	5.2	14.2	12.0	1.8	3.9	13.8	12.3	1.8	3.6	10.6	10.6	1.4	2.4
20	200	5.0	4.5	0.5	0.6												
	300	8.4	7.1	0.9	2.2	7.0	6.6	0.7	1.6	6.7	6.5	0.7	1.5	5.3	5.3	0.6	1.0
	400	10.9	9.1	1.1	1.9	9.1	8.4	1.0	1.4	8.7	8.3	0.9	1.3	6.9	6.9	0.7	0.9
	600	15.1	12.9	1.6	2.9	12.6	12.0	1.3	2.1	12.1	11.8	1.3	2.0	9.6	9.6	1.0	1.3

ENTERING AIR 85.0 DB/71.0 WB, 50 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	9.4	5.4	3.2	18.4	8.3	4.9	2.8	14.4	8.0	4.8	2.7	13.5	6.3	4.1	2.2	8.9
	300	15.0	8.6	5.1	64.2	13.2	7.8	4.5	50.6	12.8	7.6	4.4	47.3	10.3	6.5	3.5	31.6
	400	18.3	10.7	6.4	44.5	16.5	9.7	5.7	35.5	16.0	9.5	5.5	33.3	12.6	8.2	4.4	22.7
	600	27.4	15.6	9.3	67.0	24.1	14.1	8.2	53.5	23.2	13.8	7.9	50.2	18.6	11.9	6.4	34.3
8	200	9.0	5.2	2.3	9.8	7.8	4.7	2.0	7.5	7.5	4.5	1.9	7.0	5.8	3.9	1.5	4.4
	300	14.5	8.3	3.7	34.4	12.6	7.5	3.2	26.6	12.1	7.3	3.1	24.8	9.5	6.3	2.5	15.9
	400	18.1	10.4	4.6	24.7	15.6	9.4	4.0	19.4	15.2	9.1	3.9	18.1	11.9	7.6	3.1	11.9
	600	26.4	15.1	6.7	37.5	22.8	13.6	5.8	29.4	21.9	13.2	5.6	27.5	17.2	11.4	4.4	18.1
10	200	8.5	5.0	1.7	5.8	7.3	4.5	1.5	4.3	6.9	4.3	1.4	4.0	5.3	3.7	1.1	2.5
	300	13.8	8.0	2.8	20.7	11.9	7.2	2.4	15.7	11.4	7.0	2.3	14.5	8.8	6.0	1.8	8.9
	400	17.3	10.1	3.6	15.3	15.0	9.0	3.1	11.8	14.3	8.8	3.0	10.9	11.1	7.5	2.3	7.0
	600	25.1	14.6	5.1	23.3	21.5	13.1	4.4	17.9	20.6	12.7	4.2	16.6	15.8	10.9	3.3	10.6
12	200	8.0	4.8	1.4	3.7	6.7	4.2	1.2	2.7	6.4	4.1	1.1	2.4	4.8	3.6	0.8	1.5
	300	13.1	7.7	2.2	13.3	11.1	6.9	1.9	9.8	10.6	6.7	1.8	9.0	8.1	5.7	1.4	5.4
	400	16.5	9.7	2.8	10.1	14.1	8.7	2.4	7.6	13.4	8.4	2.3	7.0	10.3	7.3	1.8	4.4
	600	25.6	14.0	4.0	15.5	20.1	12.5	3.4	11.6	19.2	12.2	3.3	10.7	14.5	10.4	2.5	6.7
16	200	6.9	4.3	0.9	1.6	5.7	3.9	0.7	1.1	5.4	3.8	0.7	1.0	4.0	3.3	0.5	0.6
	300	11.6	7.1	1.5	6.1	9.6	6.3	1.2	4.3	9.2	6.1	1.2	3.9	6.8	5.3	0.9	2.3
	400	14.9	9.0	1.9	5.0	12.3	8.0	1.6	3.6	11.7	7.8	1.5	3.3	8.8	6.8	1.6	2.0
	600	21.1	12.9	2.7	7.8	17.3	11.4	2.2	5.4	16.4	11.1	2.1	4.9	12.2	9.6	1.9	3.0
20	200	5.9	3.9	0.6	0.8	4.8	3.6	0.5	0.5	4.5	3.5	0.5	0.5				
	300	10.1	6.5	1.0	3.1	8.2	5.8	0.9	2.1	7.8	5.6	0.8	1.9	5.7	5.0	0.6	1.1
	400	13.0	8.3	1.3	2.7	10.6	7.4	1.1	1.9	10.1	7.2	1.1	1.7	7.5	6.4	0.9	1.0
	600	18.2	11.8	1.9	4.0	14.7	10.5	1.5	2.8	13.9	10.2	1.4	2.5	10.2	9.0	1.4	1.5

ENTERING AIR 85.0 DB/74.0 WB, 60 PERCENT RH

WTR	CFM	A-COIL															
		40° EWT				44° EWT				45° EWT				50° EWT			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
6	200	10.9	5.3	3.7	24.0	9.7	4.8	3.3	19.4	9.4	4.7	3.2	18.3	7.8	4.0	2.7	12.9
	300	17.3	8.4	5.9	83.2	15.5	7.6	5.3	67.6	15.0	7.4	5.1	63.9	12.5	6.4	4.3	45.5
	400	21.6	10.5	7.3	56.8	19.3	9.5	6.6	46.6	18.7	9.3	6.4	44.1	15.0	8.0	5.3	32.0
	600	31.5	15.4	10.7	89.2	28.2	13.9	9.6	70.1	27.3	13.5	9.3	66.4	22.6	11.7	7.7	46.2
8	200	10.4	5.1	2.7	12.8	9.2	4.6	2.4	10.2	8.9	4.5	2.3	9.6	7.2	3.8	1.9	6.6
	300	16.7	8.2	4.3	45.0	14.8	7.3	3.8	36.1	14.4	7.1	3.7	33.9	11.8	6.1	3.0	23.5
	400	20.9	10.2	5.3	31.8	18.5	9.2	4.7	25.8	17.9	8.9	4.6	24.3	14.7	7.7	3.8	17.2
	600	30.4	14.8	7.7	48.1	26.9	13.4	6.9	38.1	26.0	13.0	6.8	36.5	21.3	11.1	5.4	26.1
10	200	9.9	4.9	2.0	7.7	8.7	4.4	1.8	6.0	8.4	4.2	1.7	5.6	6.7	3.6	1.4	3.7
	300	16.1	7.9	3.3	27.4	14.2	7.1	2.9	21.6	13.7	6.9	2.8	20.2	11.0	5.8	2.3	13.5
	400	20.1	9.9	4.1	19.5	17.7	8.9	3.6	15.4	17.1	8.6	3.5	14.9	13.8	7.3	2.8	10.2
	600	29.2	14.3	5.9	30.5	25.8	12.8	5.2	23.2	24.7	12.5	5.0	22.8	19.8	10.6	4.1	15.5
12	200	9.4	4.7	1.6	5.0	8.1	4.2	1.4	3.8	7.8	4.0	1.3	3.5	6.0	3.4	1.0	2.2
	300	15.4	7.6	2.6	17.9	13.4	6.8	2.3	13.8	12.9	6.6	2.2	12.9	10.1	5.5	1.7	8.2
	400	19.3	9.5	3.3	13.3	16.9	8.5	2.9	10.5	16.2	8.3	2.8	9.8	12.8	7.0	2.2	6.4
	600	27.9	13.8	4.7	26.4	24.2	12.3	4.1	18.0	23.3	11.9	4.0	17.0	18.3	10.0	3.1	9.8
16	200	8.3	4.2	1.0	2.3	7.0	3.7	0.9	1.7	6.6	3.6	0.9	1.5	4.8	3.0	0.6	0.8
	300	13.9	7.0	1.8	8.6	11.9	6.2	1.5	6.3	11.3	5.9	1.5	5.8	8.3	4.9	1.1	3.3
	400	17.6	8.8	2.3	6.7	14.9	7.8	1.9	5.0	14.3	7.5	1.8	4.7	10.6	6.2	1.4	2.8
	600	25.2	12.7	3.2	10.5	21.3	11.1	2.7	7.7	20.5	10.8	2.6	7.3	14.5	8.9	1.9	4.2
20	200	7.1	3.8	0.7	1.1	5.7	3.3	0.6	0.8	5.3	3.2	0.6	0.7				
	300	12.3	6.3	1.3	4.4	10.0	5.5	1.0	3.0	9.4	5.3	1.0	2.7	6.7	4.4	0.7	1.4
	400	15.7	8.0	1.6	3.7	12.8	7.0	1.3	2.6	12.1	6.7	1.3	2.3	8.7	5.6	0.9	1.3
	600	22.1	11.5	2.3	5.6	17.9	9.9	1.8	3.9	16.8	9.5	1.7	3.5	11.9	8.0	1.2	1.9

Note: Total heat (TH) and sensible heat (SH) expressed in MBh. Water temperature rise (wtr) in degrees F. Pressure drop (PD) in feet of water. Spaces left blank correspond to gpm in laminar flow areas.

CHART 42-1 — A-Coil, Vertical Units 02-12

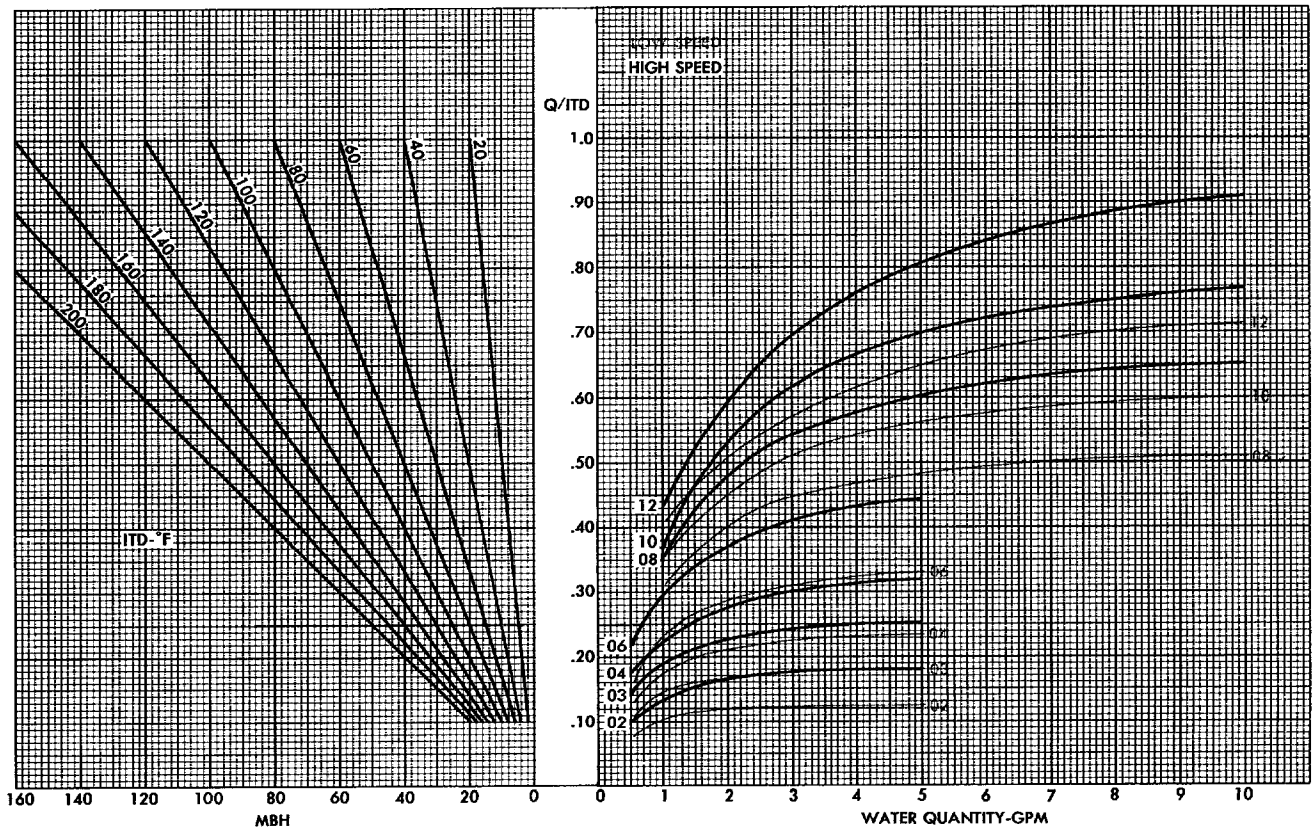
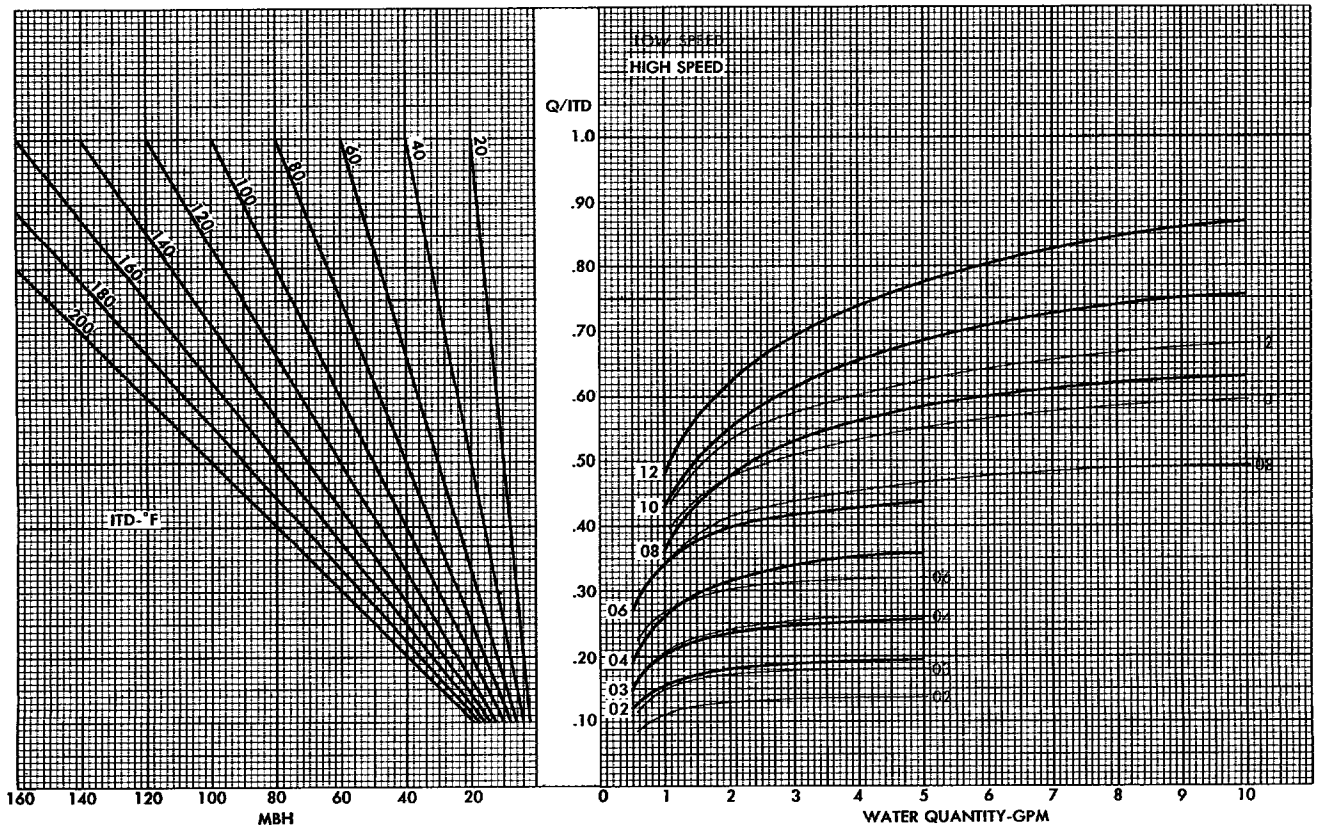


CHART 42-2 — A-Coil, Horizontal Units 02-12



HEATING CAPACITIES

CHART 43-1 — A-Coil, Low Vertical Units 02-06

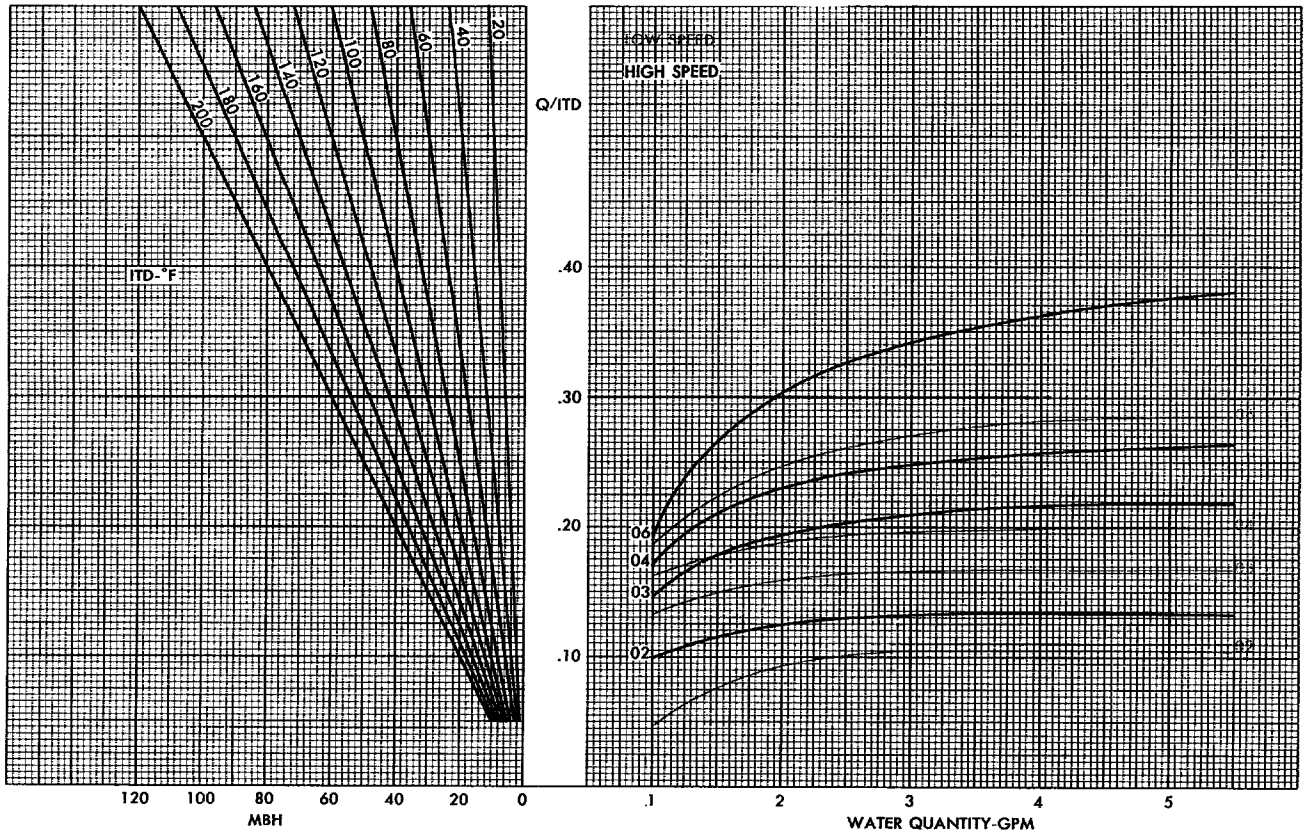
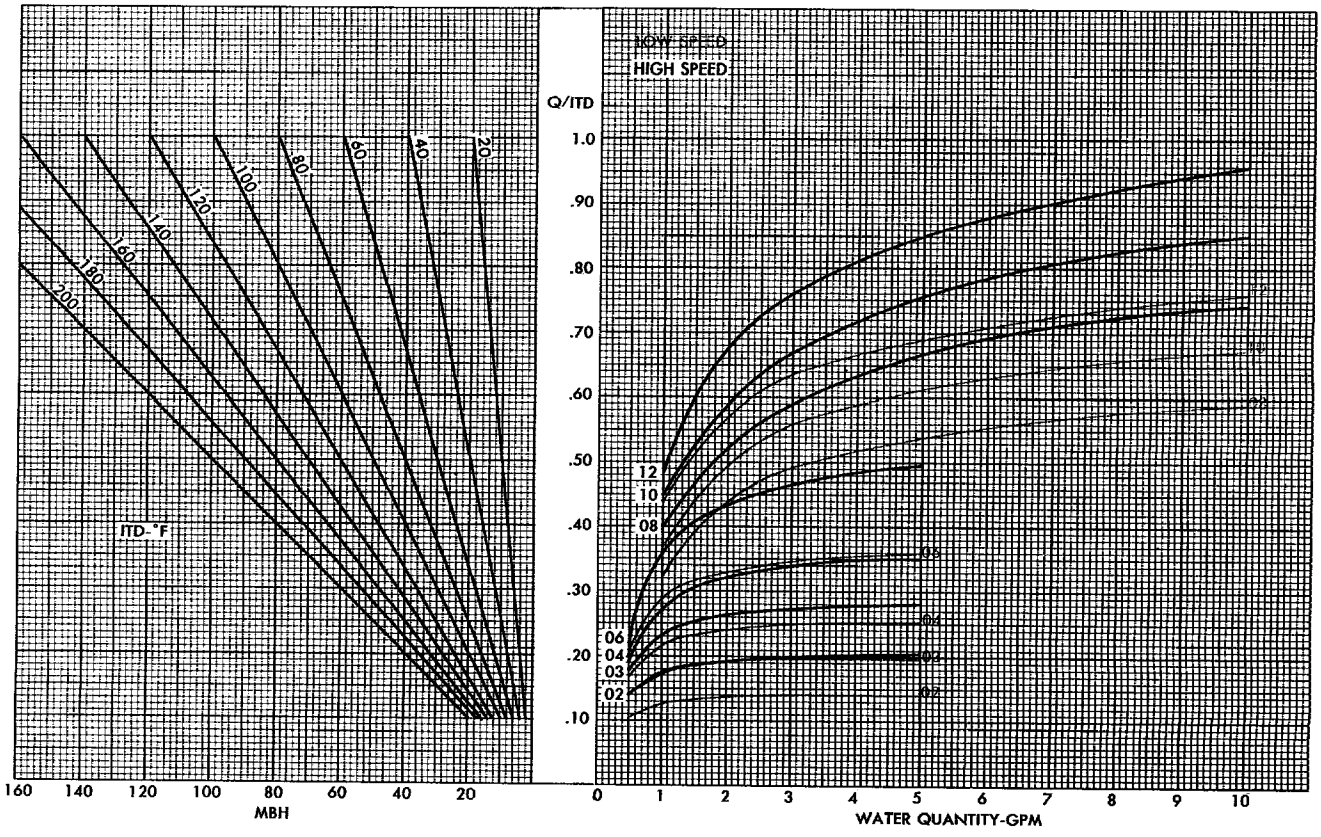


CHART 43-2 — D-Coil, Vertical Units 02-12



HEATING CAPACITIES

CHART 44-1 — D-Coil, Horizontal Units 02-12

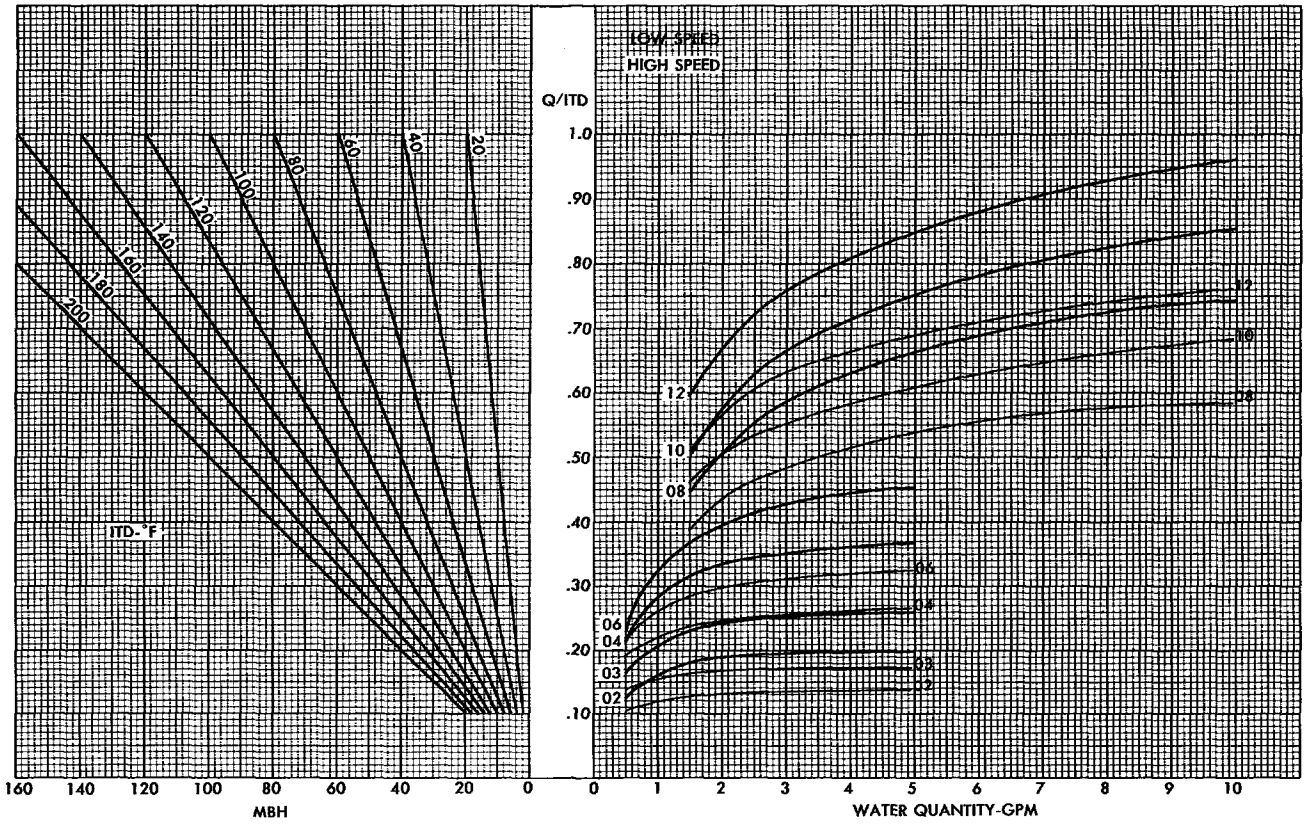
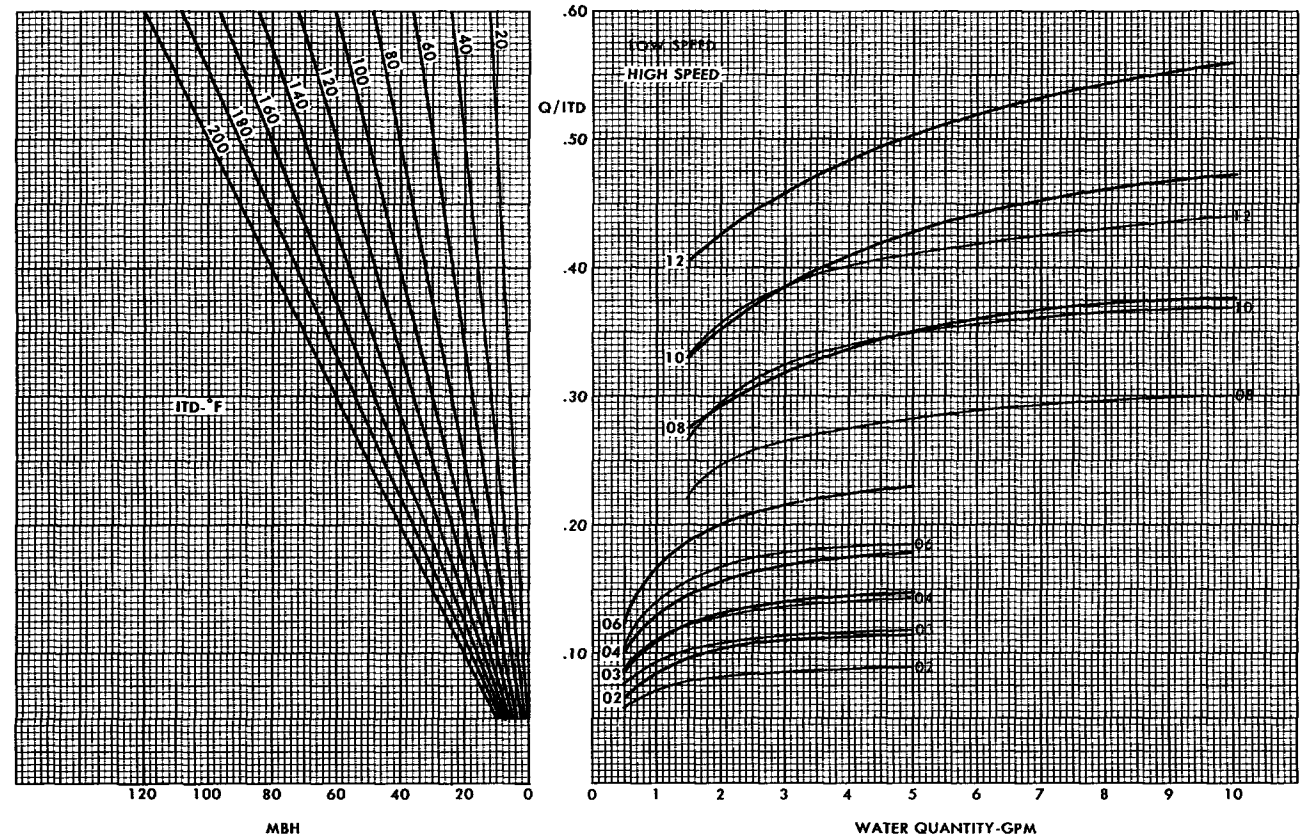


CHART 44-2 — L-Coil, Vertical Units 02-12



HEATING CAPACITIES

CHART 45-1 — L-Coil, Horizontal Units 02-12

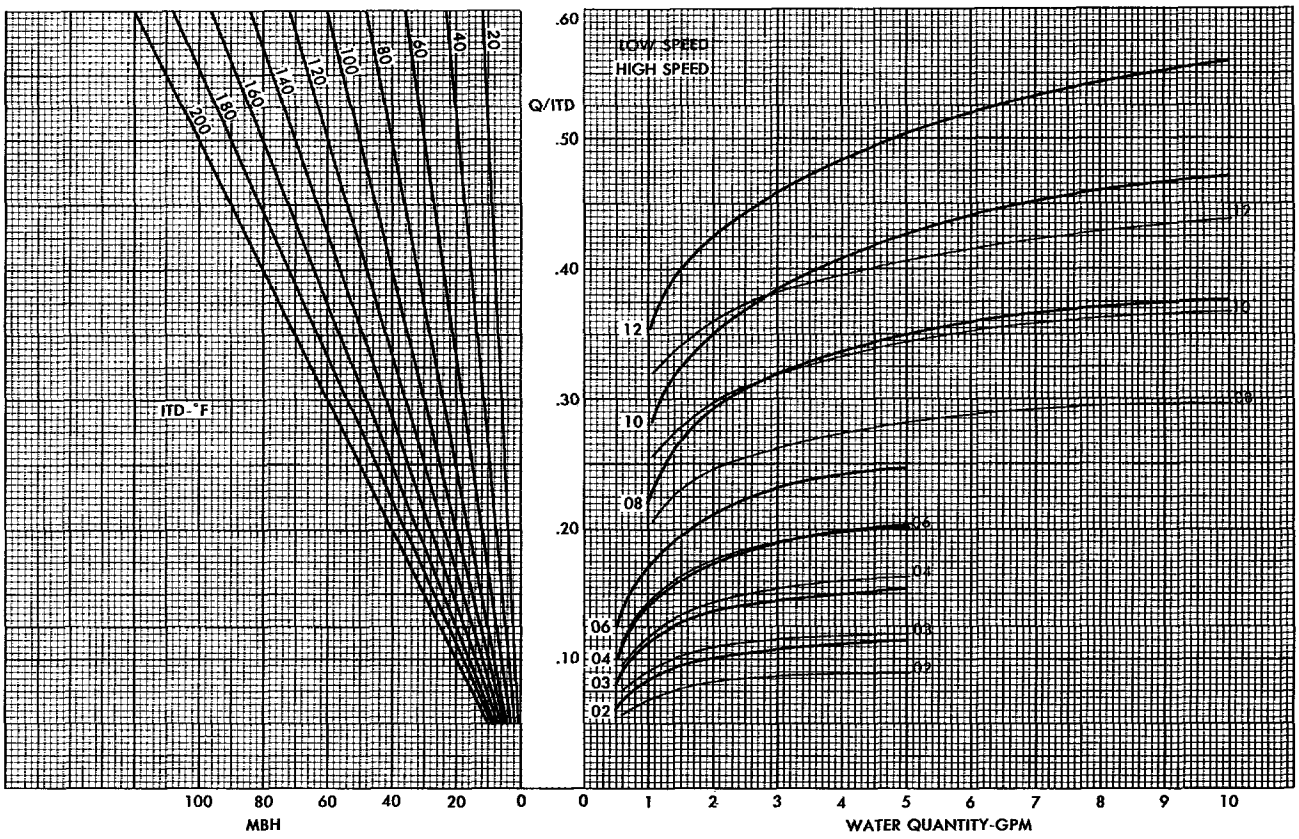
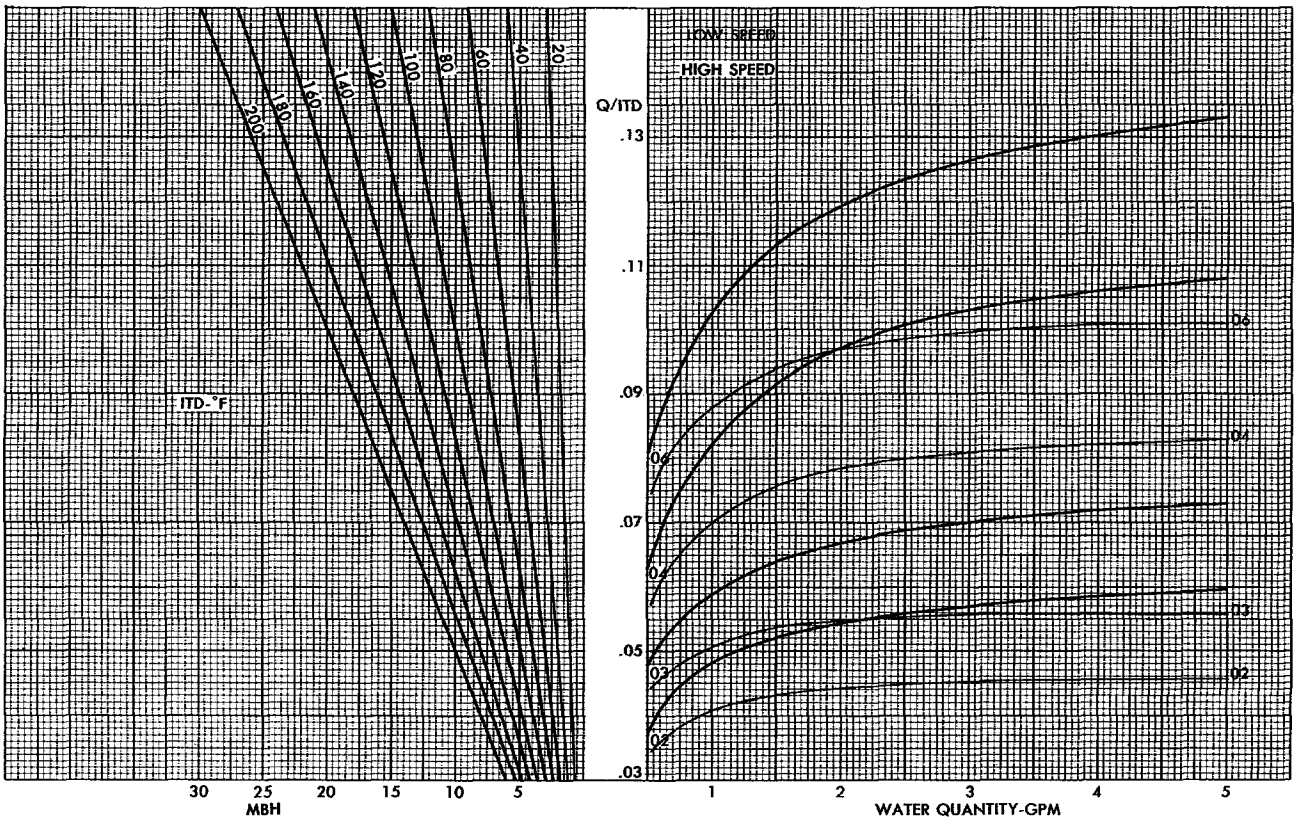
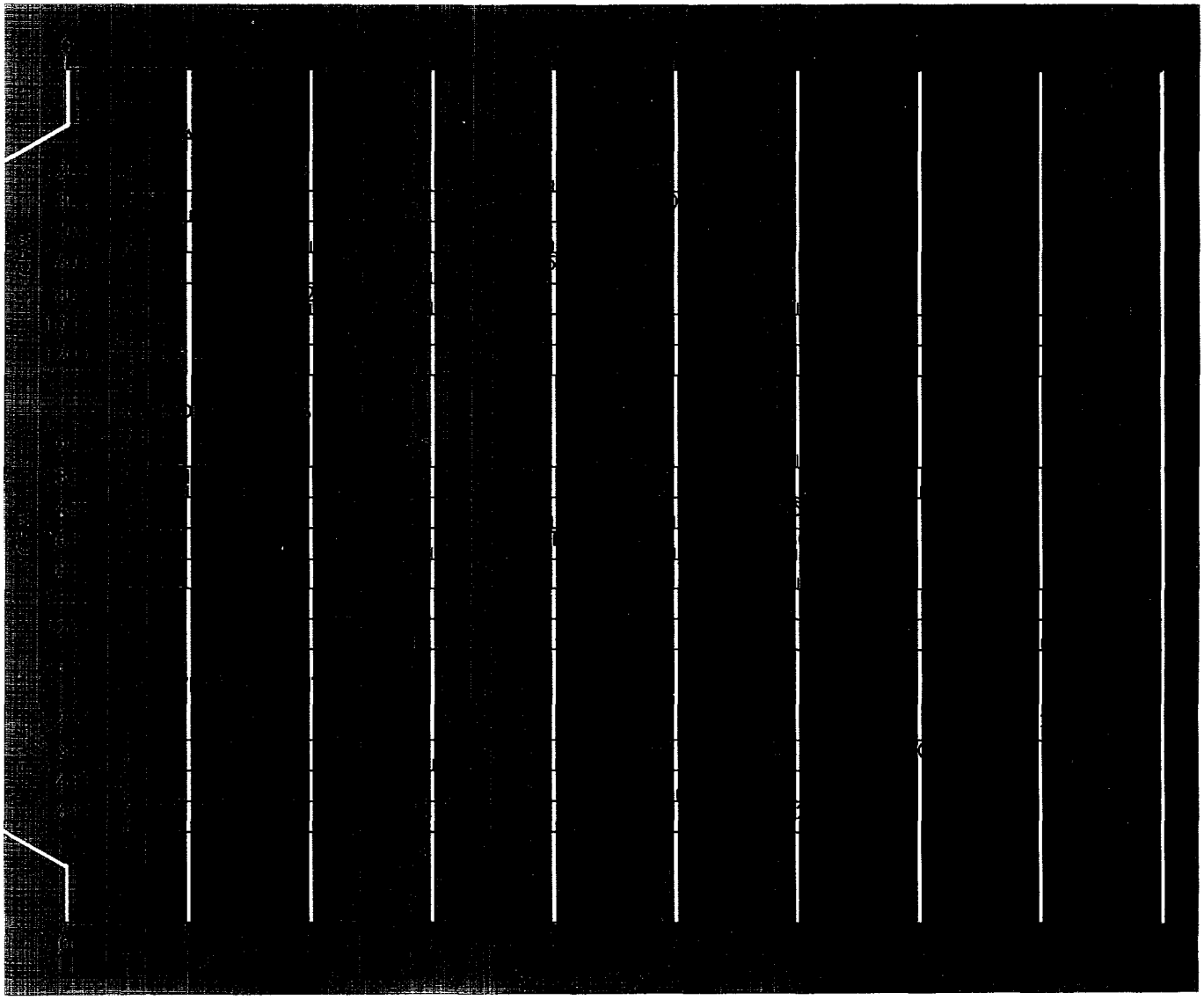


CHART 45-2 — L-Coil, Low Vertical Units 02-06



WATER PRESSURE DROP

CHART 46-1 Auxiliary Coil Water Pressure Drop (Feet of Water)



NOTE: For more details refer to EB UNT-25.

Steam can be used in the auxiliary Type "L" coils of 200 to 600 cfm horizontal and low vertical model UniTrane.

Steam can be used in the special Type "N" coils of 200 to 1,200 cfm vertical and 800 to 1,200 cfm horizontal model UniTrane.

To prevent water hammer, these single serpentine coils should not be used with a modulating steam supply. To obtain rated capacity, proper condensate removal, and avoid freeze-up with atmospheric pressure return, the entering steam pressure to the coil should be not less than 2 psig, the entering air temperature to the coil should be above 32 F, and the coils should be installed with the tubes level, not pitched. The capacities of the coils are shown in Table 46-1.

TABLE 46-1 Steam Capacities of Auxiliary Heating Coils, MBH

NOMINAL CFM	MODELS								
	HORIZONTAL			VERTICAL			LOW VERTICAL		
	2 PSIG	5 PSIG	Q ITD	2 PSIG	5 PSIG	Q ITD	2 PSIG	5 PSIG	Q ITD
200	16.4	17.4	0.11	16.4	17.4	0.11	8.9	9.5	0.06
300	22.3	23.7	0.15	22.3	23.7	0.15	10.4	11.1	0.07
400	29.8	31.7	0.20	25.3	26.9	0.17	14.9	15.8	0.10
600	37.2	39.4	0.25	32.8	34.8	0.22	19.4	20.5	0.13
800	49.0	52.0	0.33	44.7	47.4	0.30	—	—	—
1,000	60.0	63.0	0.40	55.1	58.5	0.37	—	—	—
1,200	71.0	76.0	0.48	67.1	71.1	0.45	—	—	—

NOTES:
— Above capacities are for high speed operation at 70 F entering air temperature.
— Medium and low speed capacities are 90 percent and 60 percent, respectively of high speed capacities.
— Q/ITD is MBh per degree difference between saturated steam temperature and entering air temperature.

TABLE 47-1 — UniTrane® Motor Characteristics

MOTOR	CHARACTERISTICS	UNIT SIZE 02	03	04	06	08	10	12
G2 TWSP	VOLTS	115/60/1	115/60/1	115/60/1	115/60/1			
	PF	0.75	0.74	0.60	0.56			
	RPM	1,100/900/700	1,100/900/700	1,075/900/700	1,075/900/700	MOTOR	MOTOR	MOTOR
	CFM	230/200/145	320/260/200	410/340/265	570/475/370	NOT	NOT	NOT
	AMPS	1.10/0.80/0.60	1.60/1.15/0.85	1.60/1.00/0.75	2.10/1.50/1.35	AVAILABLE	AVAILABLE	AVAILABLE
	WATTS	95/70/50	135/100/75	110/65/55	135/105/90			
	HP	1/60	1/30	1/30	1/20			
G3 TWPSC	VOLTS	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1
	RF	0.87	0.82	0.77	0.78	0.76	0.87	0.87
	RPM	1,100/900/700	1,100/900/700	1,075/900/700	1,075/900/700	775/650/525	775/650/525	775/650/525
	CFM	230/200/145	320/260/200	410/340/265	570/475/370	840/710/570	1,00/840/680	1,200/1,000/810
	AMPS	0.85/0.40/0.30	0.90/0.50/0.40	0.85/0.50/0.40	1.00/0.75/0.65	1.60/1.20/1.05	1.70/1.40/1.20	1.90/1.45/1.35
	Watts	85/40/30	85/50/30	75/50/40	90/70/60	140/115/100	170/135/115	190/135/125
	HP	1/60	1/30	1/30	1/20	1/12	1/8	1/6
G4 TWPSC	VOLTS	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1
	PF	.87	.87	0.94	0.89	0.79	0.75	0.77
	RPM	1,500/1,200/950	1,500/1,200/950	1,500/1,200/950	1,500/1,200/950	1,100/900/700	1,100/900/700	1,100/900/700
	CFM	340/255/200	415/320/280	630/480/355	870/680/540	1,180/935/700	1,530/1,220/900	1,560/1,240/920
	AMPS	.90/.70/.60	1.3/.90/.70	1.85/1.20/.90	2.00/1.35/1.00	3.2/2.05/1.60	4.10/2.80/2.60	4.30/2.90/2.70
	WATTS	90/75/60	130/95/70	200/130/95	205/130/100	290/205/155	355/290/255	380/300/260
	HP	1/15	1/12	1/8	1/8	1/4	1/3	1/3
G5 TWPSC	VOLTS					230/50/1	230/50/1	230/50/1
	PF					0.82	0.93	0.87
	RPM	MOTOR	MOTOR	MOTOR	MOTOR	680/540/425	680/540/425	680/550/425
	CFM	NOT	NOT	NOT	NOT	700/590/480	830/700/570	1,100/830/680
	AMPS	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE	0.90/0.35/0.25	0.75/0.45/0.35	0.80/0.50/0.40
	WATTS					170/65/55	160/90/70	160/110/90
	HP					1/12	1/8	1/6
G6 TWPSC	VOLTS					230/60/1	230/60/1	230/60/1
	PF					0.98	0.92	0.97
	RPM	MOTOR	MOTOR	MOTOR	MOTOR	775/650/525	775/650/525	775/650/525
	CFM	NOT	NOT	NOT	NOT	840/710/570	1,000/840/680	1,200/1,000/810
	AMPS	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE	0.75/0.35/0.30	0.90/0.50/0.40	0.90/0.55/0.45
	WATTS					170/80/60	190/105/70	200/125/100
	HP					1/12	1/8	1/6
G7 TWSP	VOLTS	230/50/1	230/50/1	230/50/1	230/50/1			
	PF	0.63	0.59	0.65	0.62			
	RPM	1,100/900/700	1,100/900/700	1,075/900/700	1,075/900/700	MOTOR	MOTOR	MOTOR
	CFM	230/200/145	370/260/200	410/340/265	570/475/370	NOT	NOT	NOT
	AMPS	0.45/0.40/0.35	0.70/0.60/0.55	0.70/0.45/0.40	0.95/0.80/0.70	AVAILABLE	AVAILABLE	AVAILABLE
	WATTS	65/55/50	95/85/75	105/75/60	135/120/100			
	HP	1/60	1/33	1/30	1/20			
G8 TWSP	VOLTS	277/60/1	277/60/1	277/60/1	277/60/1			
	PF	0.61	0.72	0.72	0.59			
	RPM	1,100/900/700	1,100/900/700	1,075/900/700	1,075/900/700	MOTOR	MOTOR	MOTOR
	CFM	230/200/145	320/260/200	410/340/265	570/475/370	NOT	NOT	NOT
	AMPS	0.50/0.35/0.30	0.70/0.45/0.30	0.65/0.45/0.35	0.80/0.55/0.50	AVAILABLE	AVAILABLE	AVAILABLE
	WATTS	85/60/45	140/90/65	130/90/65	130/85/80			
	HP	1/60	1/33	1/30	1/20			
G9 TWPSC HIGH EFFICIENCY	VOLTS	115/60/1	115/60/1	115/60/1	115/60/1			
	PF	0.96	0.95	0.96	0.87			
	RPM	1,100/900/700	1,100/900/700	1,075/900/700	1,075/900/700	MOTOR	MOTOR	MOTOR
	CFM	230/200/145	320/260/200	410/340/265	570/475/370	NOT	NOT	NOT
	AMPS	0.50/0.30/0.20	0.55/0.35/0.30	0.50/0.40/0.30	0.80/0.70/0.65	AVAILABLE	AVAILABLE	AVAILABLE
	WATTS	55/35/25	60/40/30	55/45/35	80/75/70			
	HP	1/30	1/20	1/30	1/15			

NOTE:
Medium and low speed rpm is for reference only. Variations will occur depending on manufacture.
This data based on 0.05-inch external static pressure, the minimum to be used with G4 motors.

TWSP — Tap Wound Shaded Pole
TWPSC — Tap Wound Permanent Split Capacitor
PF — Power Factor
AMPS — Full Load Amps
WATTS — Input Watts
HP — Nominal Horsepower

Refer to EB UNT-20 for external static pressure ratings other than 0.05 inches on Horizontal Units.

DIMENSIONAL DATA

TABLE 48-1 Model A, 02-06 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
02	1	2'-4 7/16"	1'-8"	1'-8 15/16"	1'-7 11/16"	1'-5"	1'-7 15/16"	1'-7¾"
03	1	3'-7/16"	2'-4"	2'-4 15/16"	2'-3 11/16"	2'-1"	2'-3 15/16"	2'-3¾"
04	2	3'-4 7/16"	2'-8"	2'-8 15/16"	2'-7 11/16"	2'-5"	2'-7 15/16"	2'-7¾"
06	2	4'-4 7/16"	3'-8"	3'-8 15/16"	3'-7 11/16"	3'-5"	3'-7 15/16"	3'-7¾"

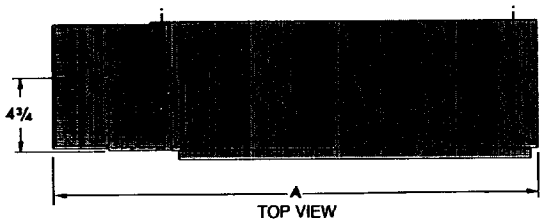
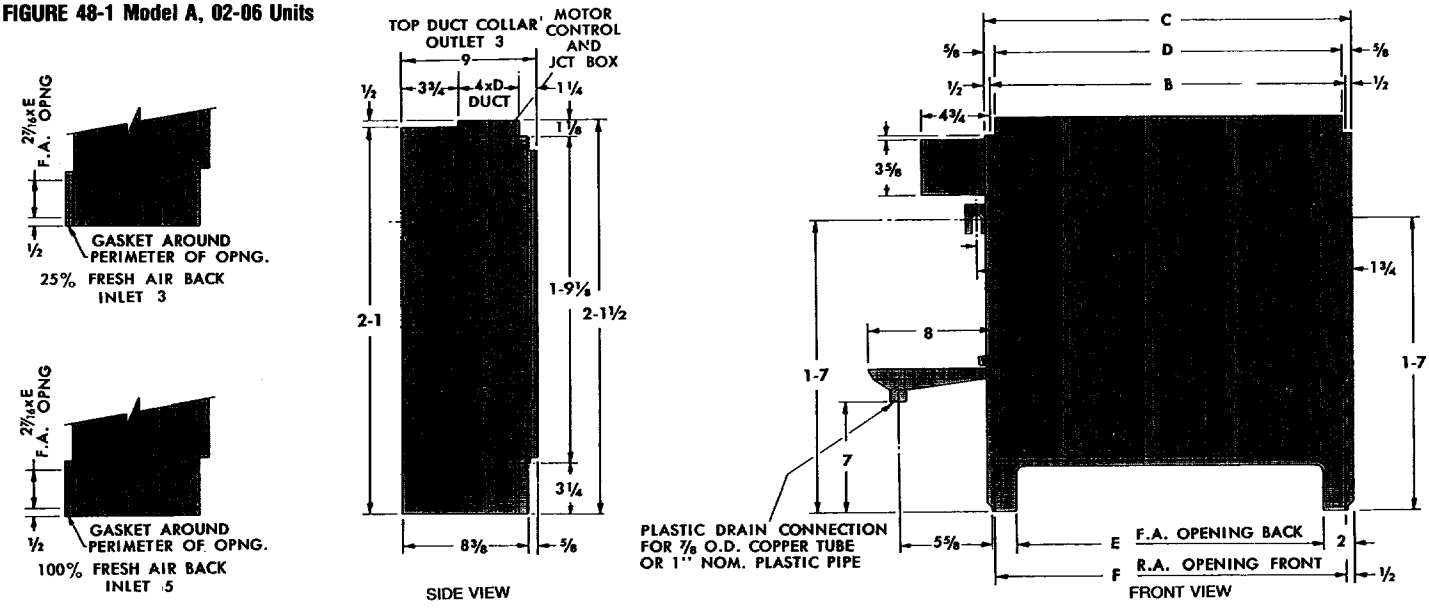


FIGURE 48-1 Model A, 02-06 Units

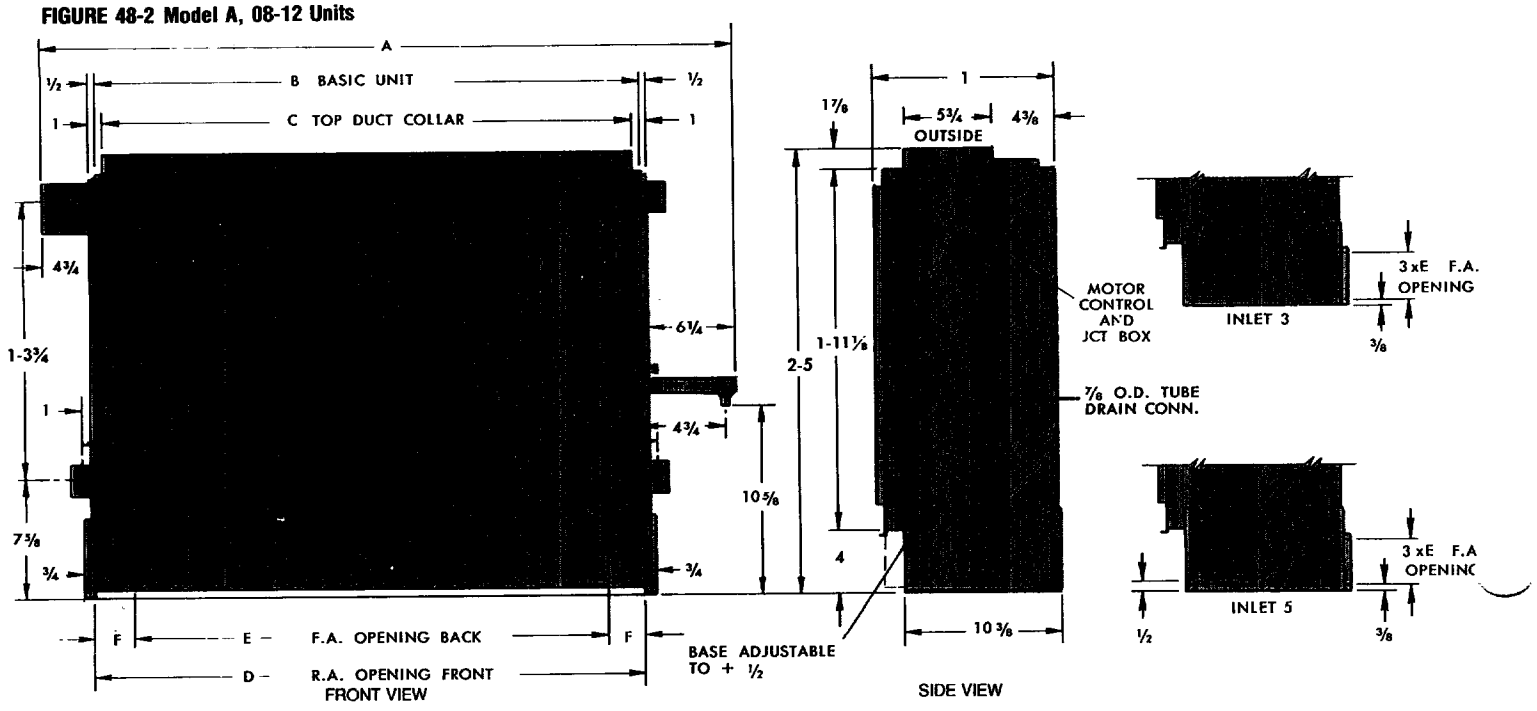


All dimensions approximate. Certified prints on request.

TABLE 48-2 Model A, 08-12 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
08	2	4'-9½"	3'-10½"	3'-9½"	3'-10¾"	3'-3"	4⅝"	4'-½"
10	2	5'-9½"	4'-10½"	4'-9½"	4'-10¾"	4'-⅛"	5¾"	5'-½"
12	2	6'-9½"	5'-10½"	5'-9½"	5'-10¾"	4'-10¾"	6¾"	6'-½"

FIGURE 48-2 Model A, 08-12 Units



DIMENSIONAL DATA (Continued)

TABLE 49-1 Model B, 02-06 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F
02	1	2'-7½"	1'-8"	1'-7¾"	1'-5"	1'-7 15/16"	1'-7¾"
03	1	3'-3½"	2'-4"	2'-3¾"	2'-1"	2'-3 15/16"	2'-3¾"
04	2	3'-7½"	2'-8"	2'-7¾"	2'-5"	2'-7 15/16"	2'-7¾"
06	2	4'-7½"	3'-8"	3'-7¾"	3'-5"	3'-7 15/16"	3'-7¾"

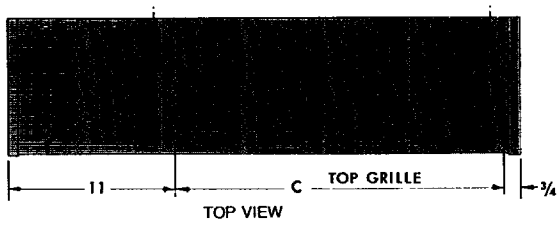


FIGURE 49-1 Model B, 02-06 Units

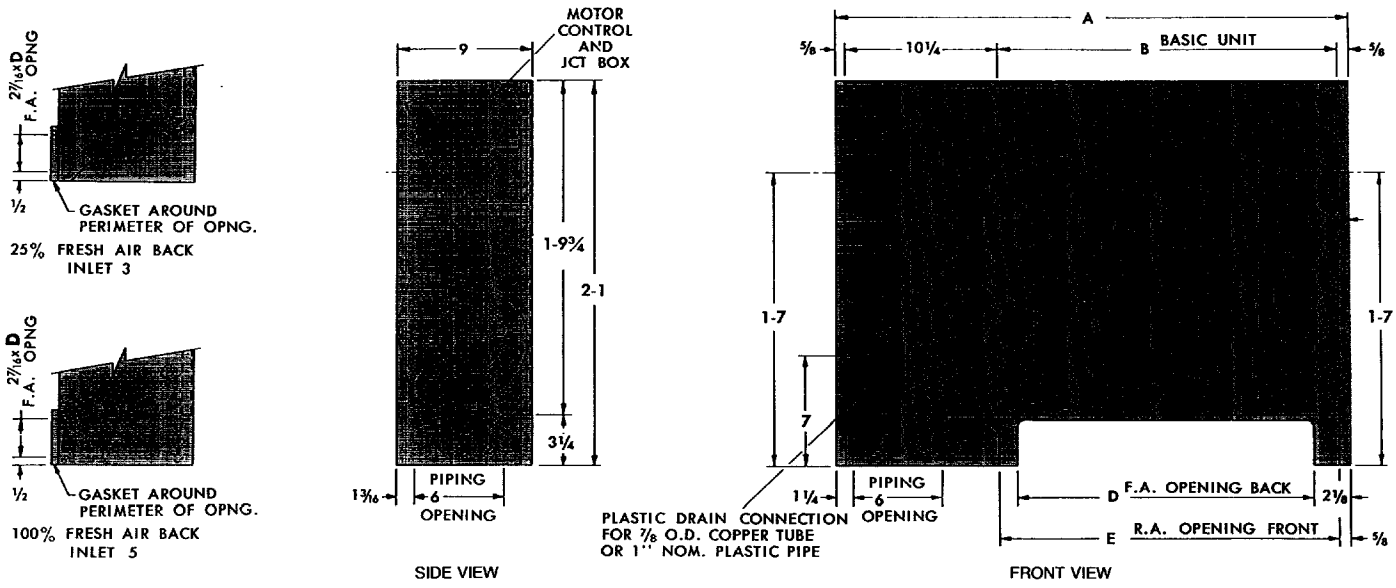
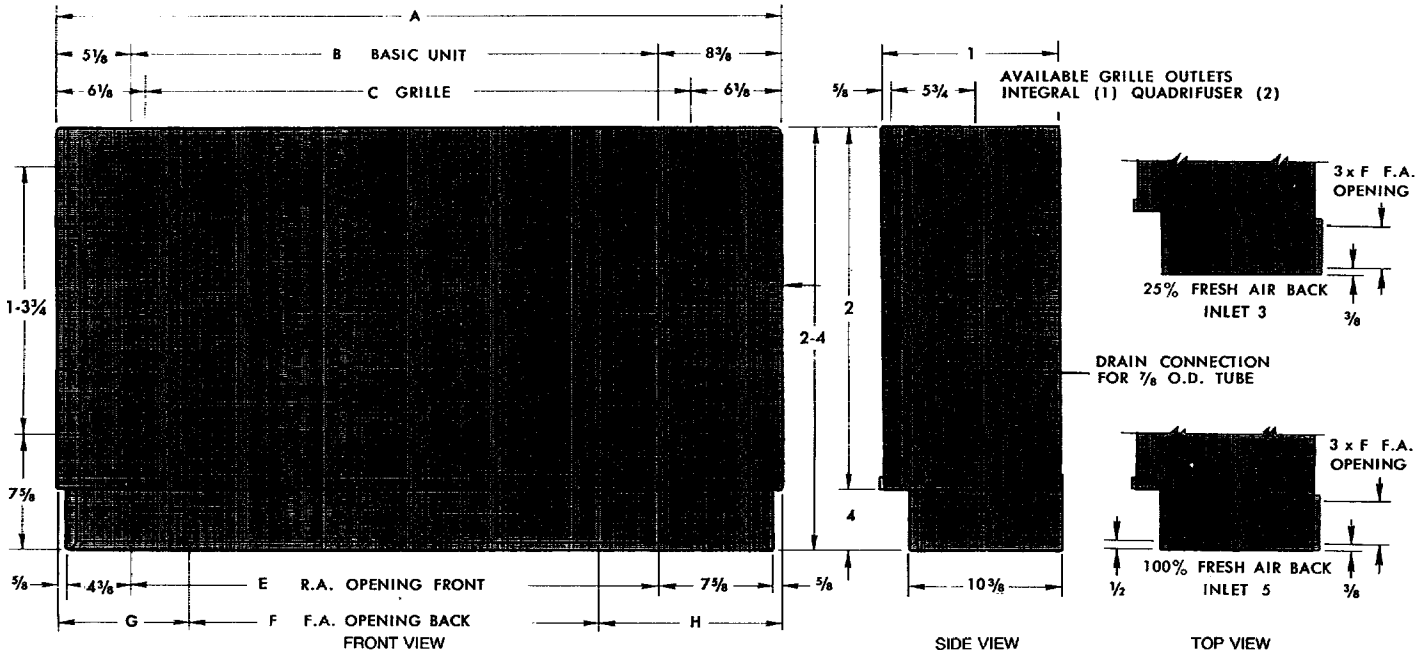


TABLE 49-2 Model B, 08-12 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G	H
08	2	5	3'-10½"	3'-11⅜"	4'-½"	3'-10¾"	3'-3"	8⅞"	1'-⅛"
10	2	6	4'-10½"	4'-11⅜"	5'-½"	4'-10¾"	4'-⅜"	10"	1'-1⅛"
12	2	7	5'-10½"	5'-10¾"	6'-½"	5'-10¾"	4'-10¾"	11"	1'-2¼"

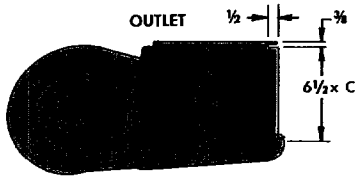
FIGURE 49-2 Model B, 08-12 Units



DIMENSIONAL DATA (Continued)

TABLE 50-1 Model C, 02-06 Units

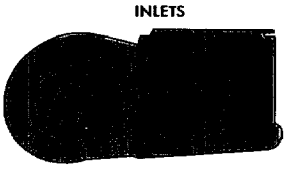
UNIT SIZE	NO. OF FANS	A	B	C	D	E
02	1	2'-1⅛"	1'-11"	1'-6⅜"	1'-8¾"	1'-8"
03	1	2'-9⅛"	2'-7"	2'-2⅜"	2'-4¾"	2'-4"
04	2	3'-1⅛"	2'-11"	2'-6⅜"	2'-8¾"	2'-8"
06	2	4'-1⅛"	3'-11"	3'-6⅜"	3'-8¾"	3'-8"



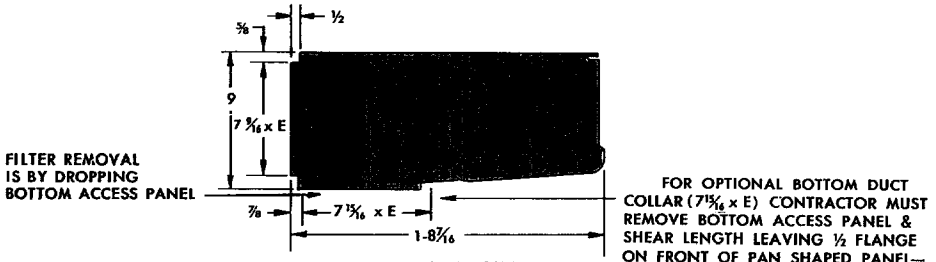
3. FRONT DUCT COLLAR

INSTALLATION NOTE

UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1-inch drop per foot.

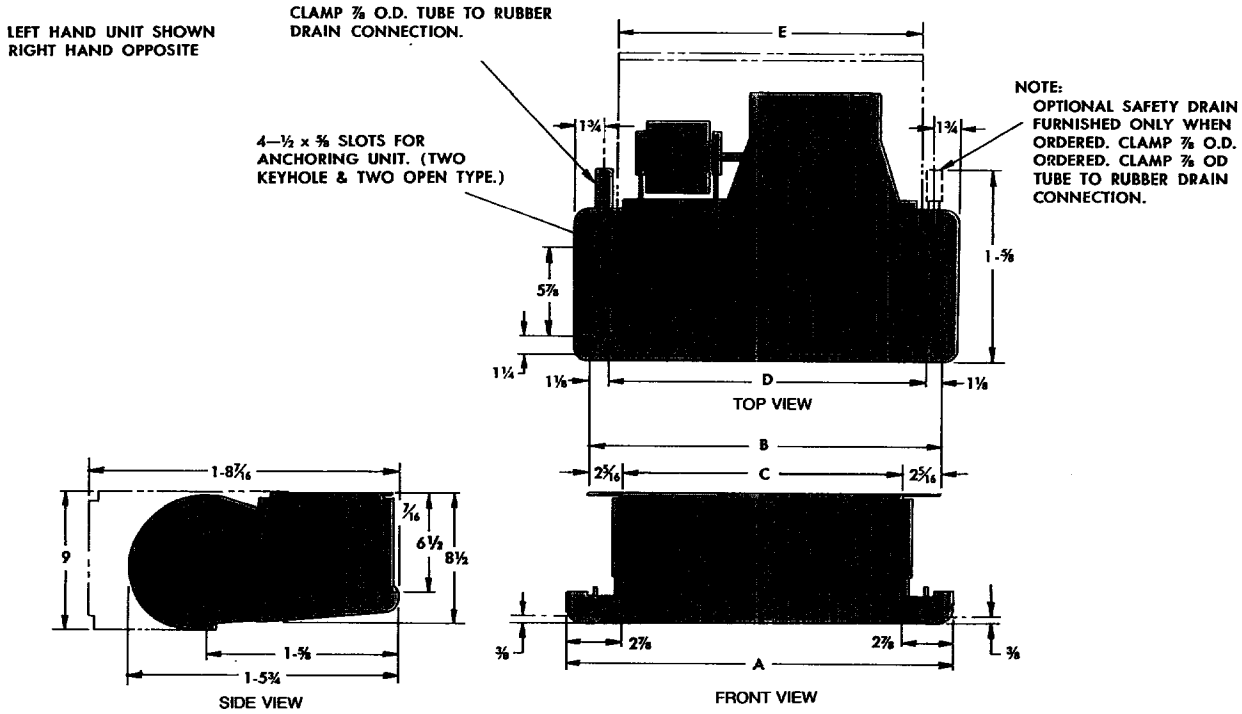


2. EXPOSED FAN HOUSING



4. BACK DUCT COLLAR

FIGURE 50-1 Model C, 02-06 Units



All dimensions approximate. Certified prints on request.

DIMENSIONAL DATA (Continued)

FIGURE 51-1 Model C, 08-12 Units

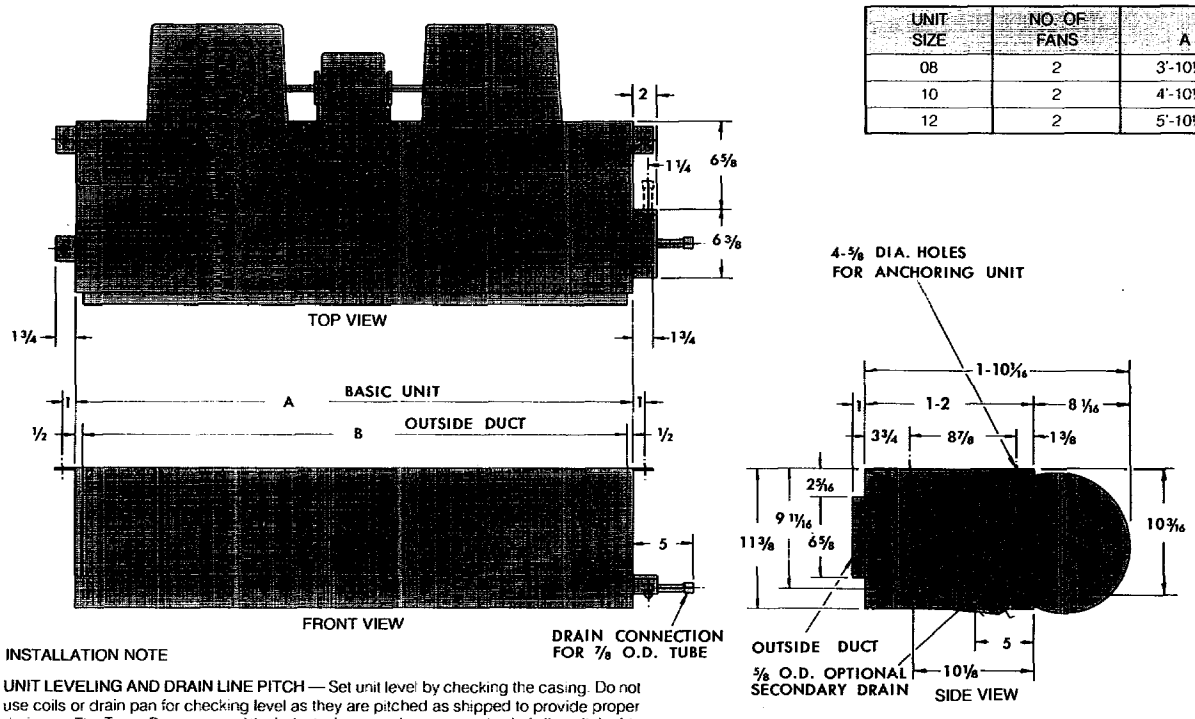


TABLE 51-1 Model C, 08-12 Units

UNIT SIZE	NO. OF FANS	A	B
08	2	3'-10½"	3'-9½"
10	2	4'-10½"	4'-9½"
12	2	5'-10½"	5'-9½"

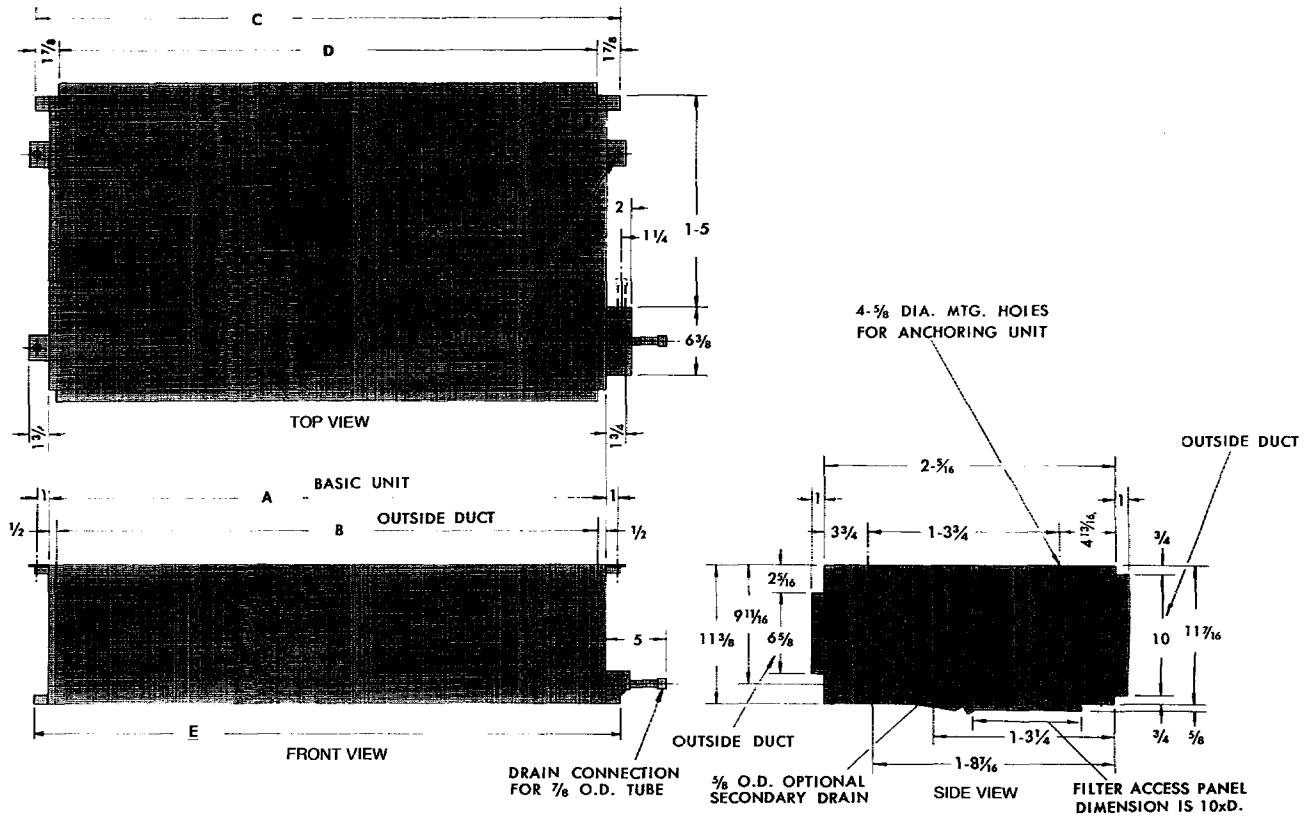
INSTALLATION NOTE

UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1-inch drop per foot

TABLE 51-2 Model C, 08-12 Units With Filter Backs

UNIT SIZE	NO. OF FANS	A	B	C	D	E
08	2	3'-10½"	3'-9½"	4'-¾"	3'-9"	3'-11⅜"
10	2	4'-10½"	4'-9½"	5'-¾"	4'-9"	4'-11⅜"
12	2	5'-10½"	5'-9½"	6'-¾"	5'-9"	5'-11⅜"

FIGURE 51-2 Model C, 08-12 Units With Filter Backs

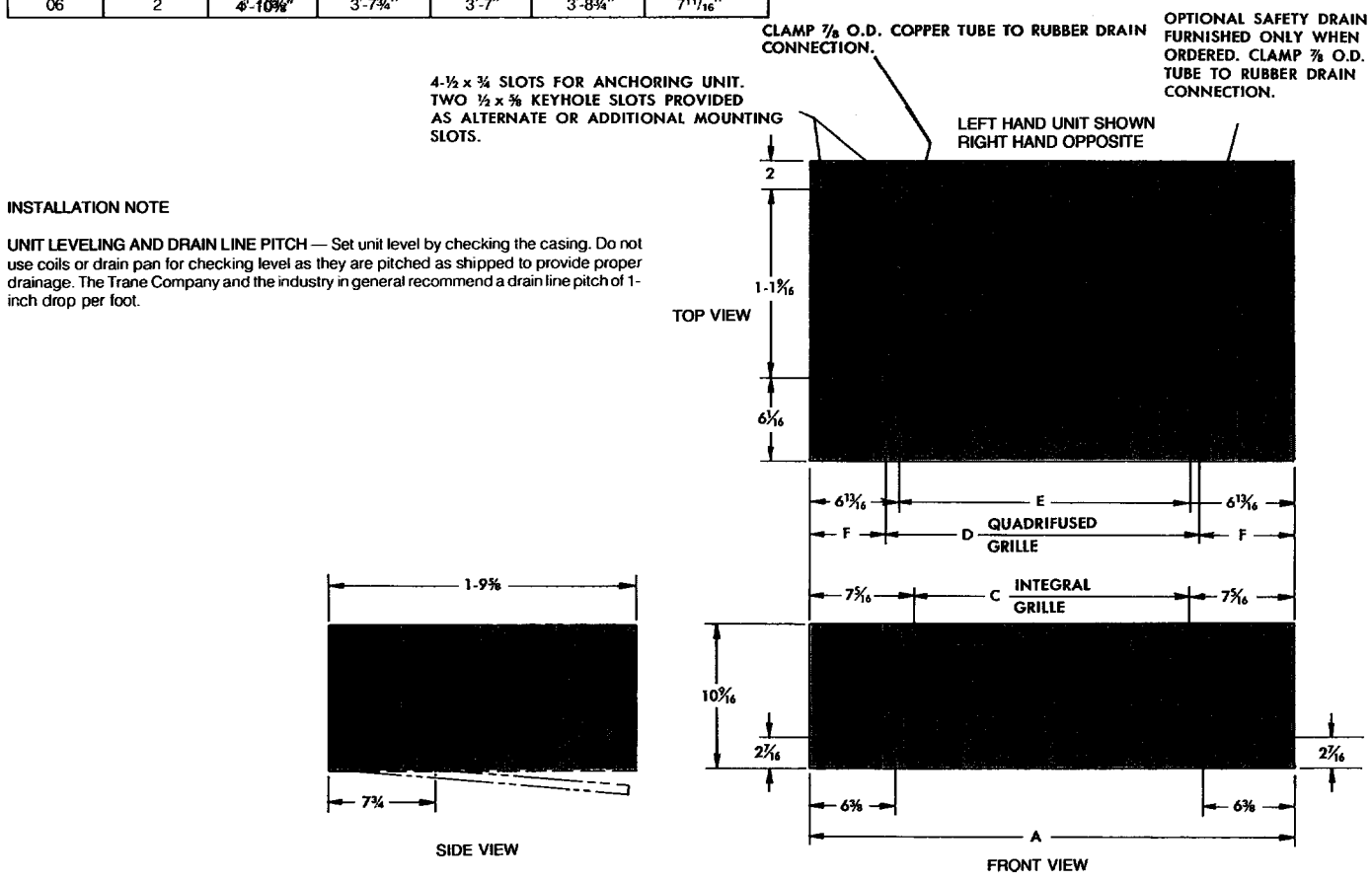


DIMENSIONAL DATA (Continued)

TABLE 52-1 Model D, 02-06 Units

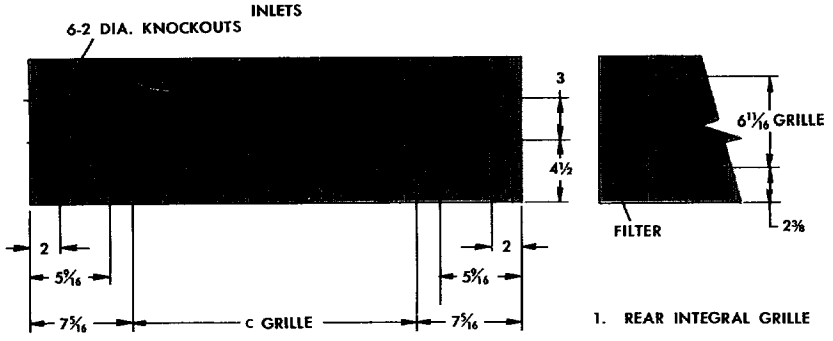
UNIT SIZE	NO. OF FANS	A	C	D	E	F
02	1	2'-10⅜"	1'-7¾"	1'-9"	1'-8¾"	6¹¹/₁₆"
03	1	3'-6⅜"	2'-3¾"	2'-2½"	2'-4¾"	7¹⁵/₁₆"
04	2	3'-10⅜"	2'-7¾"	2'-8"	2'-8¾"	7³/₁₆"
06	2	4'-10⅜"	3'-7¾"	3'-7"	3'-8¾"	7¹¹/₁₆"

FIGURE 52-1 Model D, 02-06 Units

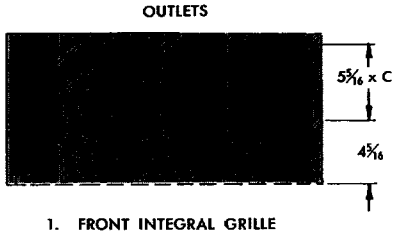


INSTALLATION NOTE

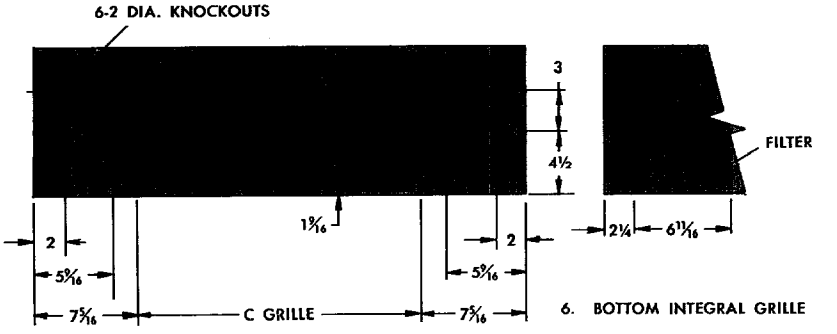
UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1-inch drop per foot.



1. REAR INTEGRAL GRILLE



1. FRONT INTEGRAL GRILLE

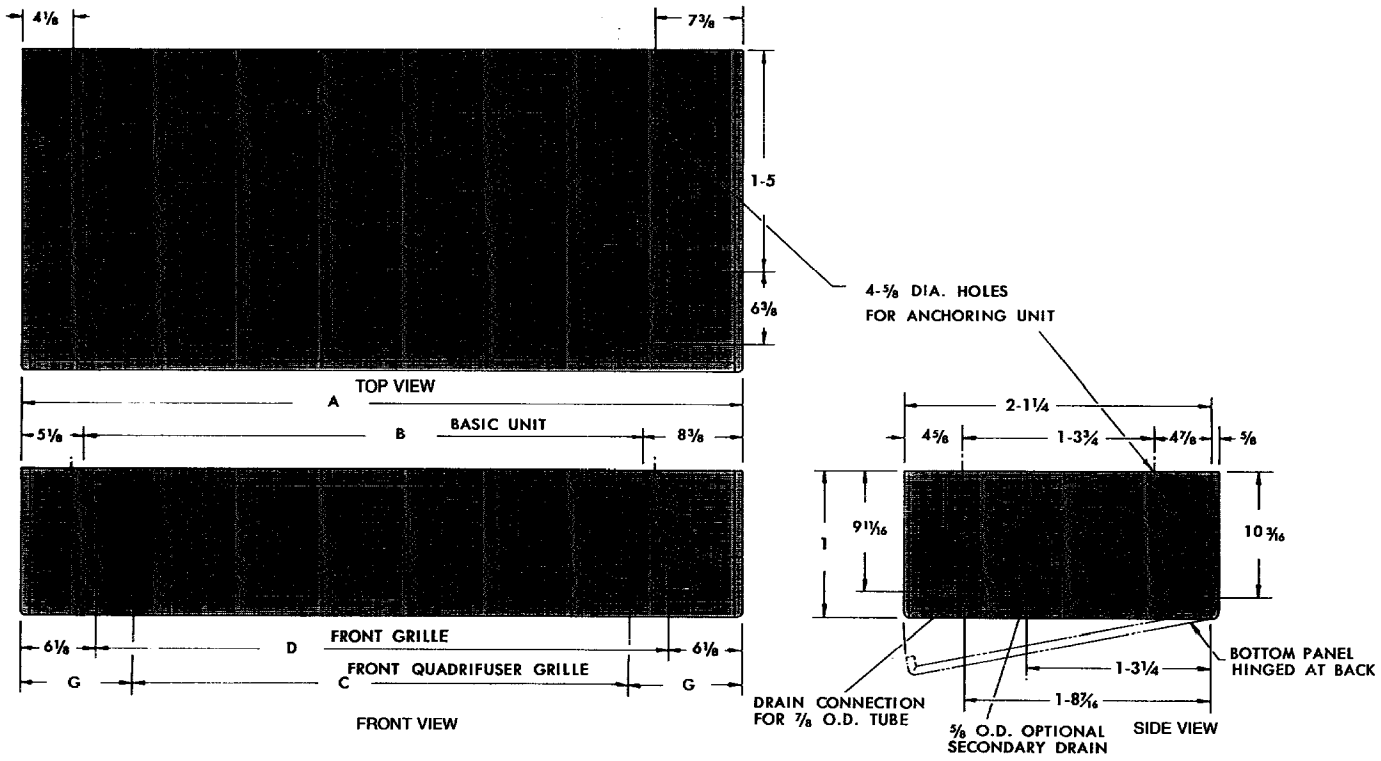


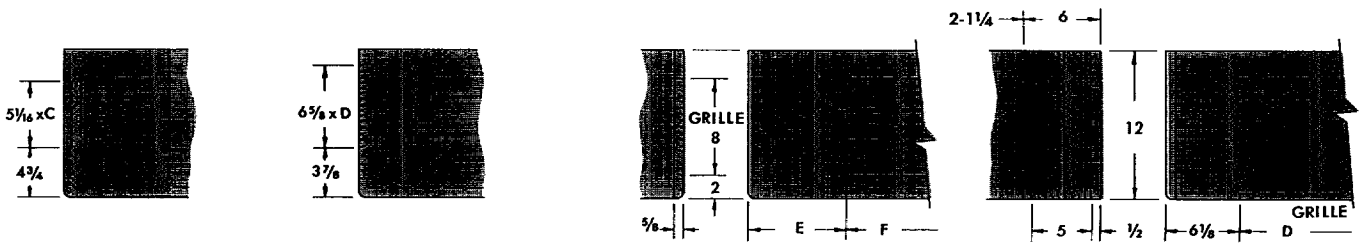
6. BOTTOM INTEGRAL GRILLE

2. FRONT QUADRIFUSER GRILLE

DIMENSIONAL DATA (Continued)

FIGURE 53-1 Model D, 08-12 Units





QUADRIFUSER GRILLE
OUTLET 2

FRONT
INTEGRAL GRILLE
OUTLET 1

INTEGRAL GRILLE
(BACK)
INLET 1

INTEGRAL GRILLE
(BOTTOM)
INLET 6

TABLE 53-1 Model D, 08-12 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
08	2	5	3'-10½"	3'-2¾"	3'-9¾"	10⅛"	3'-3¾"	10⅝"
10	2	6	4'-10½"	4'-7¼"	4'-9¾"	10⅛"	4'-3¾"	8⅜"
12	2	7	5'-10½"	5'-6¼"	5'-9¾"	10⅛"	5'-3¾"	8⅜"

INSTALLATION NOTE

UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1-inch drop per foot.

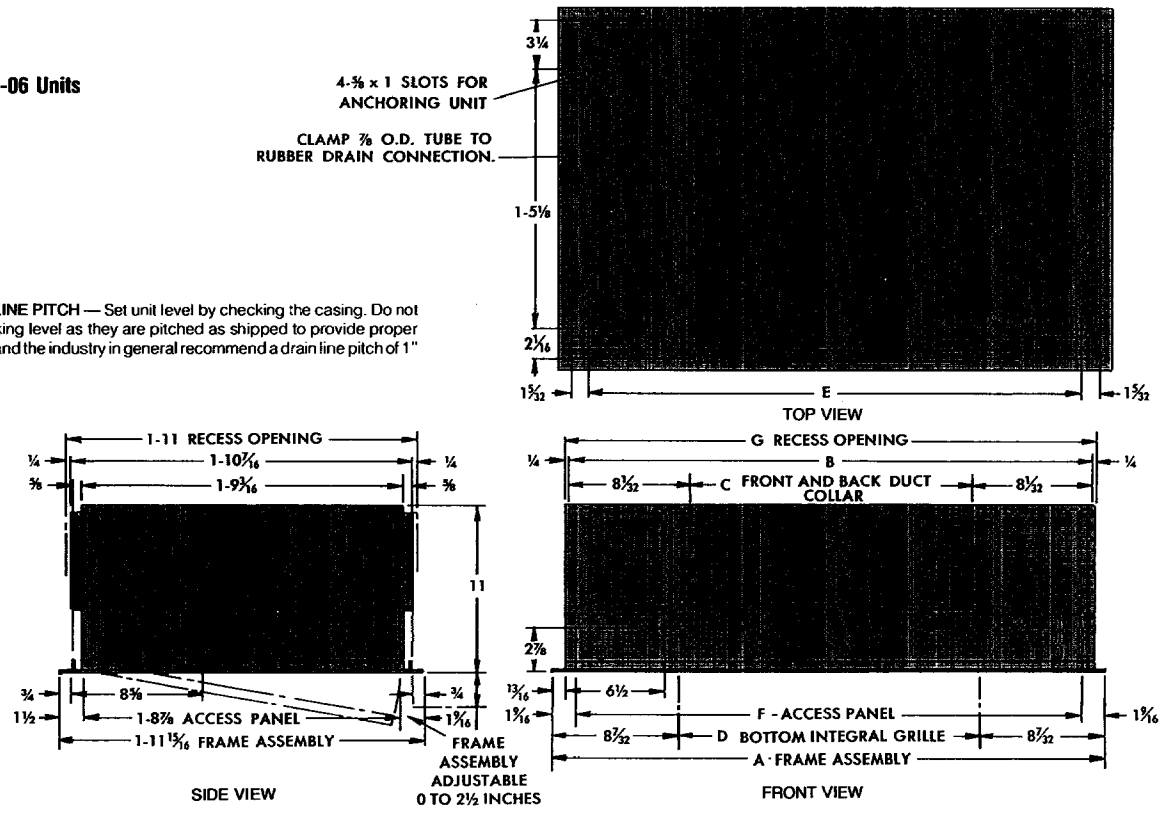
All dimensions approximate. Certified prints on request.

DIMENSIONAL DATA (Continued)

TABLE 54-1 Model E, 02-06 Units

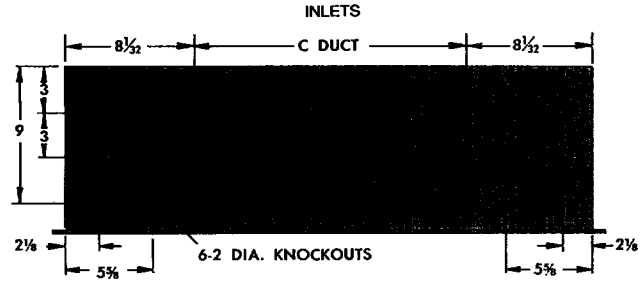
UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
02	1	3'-3/16"	2'-10 9/16"	1'-6½"	1'-7¾"	2'-8¼"	2'-9 1/16"	2'-11 1/16"
03	1	3'-8 3/16"	3'-6 9/16"	2'-2½"	2'-3¾"	3'-4¼"	3'-5 1/16"	3'-7 1/16"
04	2	4'-3/16"	3'-10 9/16"	2'-6½"	2'-7¾"	3'-8¼"	3'-9 1/16"	3'-11 1/16"
06	2	5'-3/16"	4'-10 9/16"	3'-6½"	3'-7¾"	4'-8¼"	4'-9 1/16"	4'-11 1/16"

FIGURE 54-1 Model E, 02-06 Units

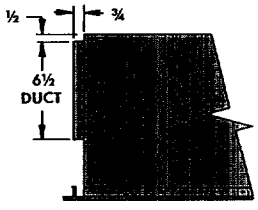


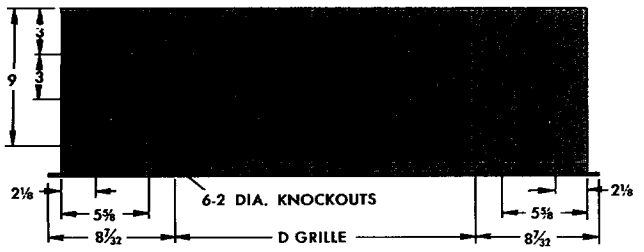
INSTALLATION NOTE

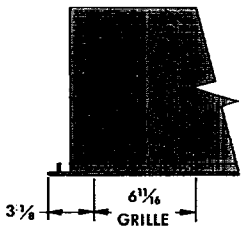
UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1" drop per foot.



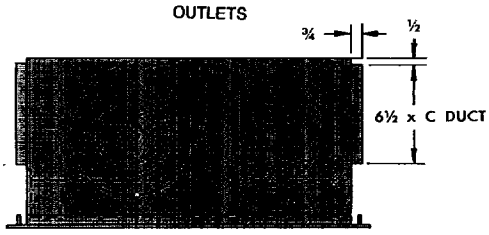
4. BACK DUCT COLLAR







6. BOTTOM INTEGRAL GRILLE

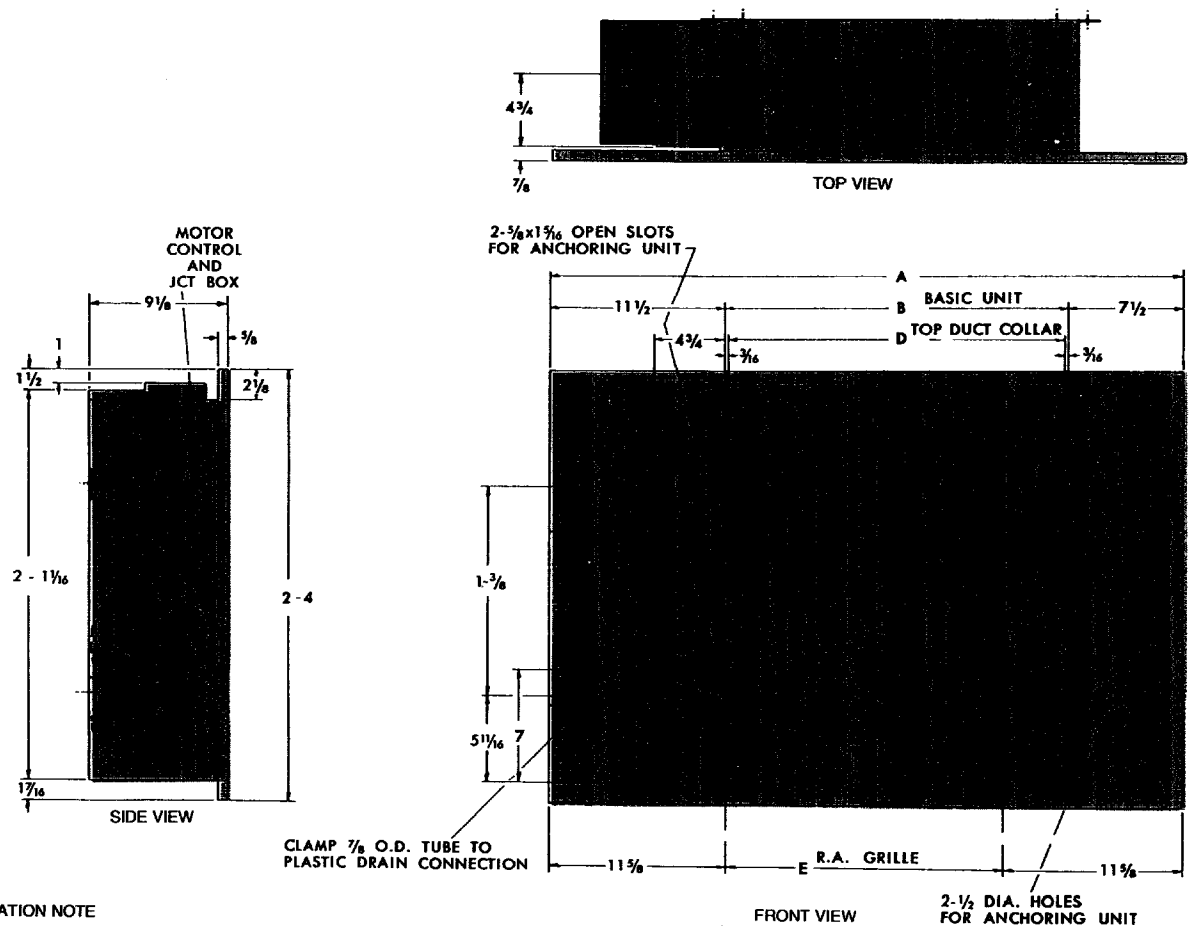


3. FRONT DUCT COLLAR

All dimensions approximate. Certified prints on request.

DIMENSIONAL DATA (Continued)

FIGURE 55-1 Model H, 02-06 Units



INSTALLATION NOTE

UNIT LEVELING AND DRAIN LINE PITCH — Set unit level by checking the casing. Do not use coils or drain pan for checking level as they are pitched as shipped to provide proper drainage. The Trane Company and the industry in general recommend a drain line pitch of 1-inch drop per foot.

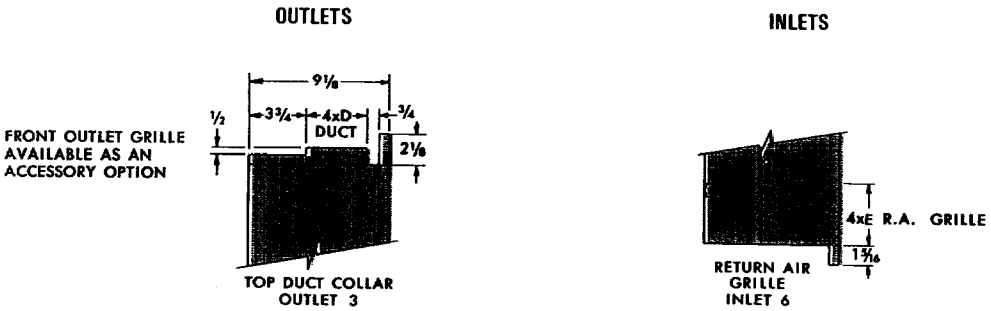


TABLE 55-1 Model H, 02-06 Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F
02	1	3'-3"	1'-8"	1'-5½"	1'-7 11/16"	1'-3¾"	1'-10"
03	1	3'-11"	2'-4"	2'-1½"	2'-3 11/16"	1'-11¾"	2'-6"
04	2	4'-3"	2'-8"	2'-5½"	2'-7 11/16"	2'-3¾"	2'-10"
06	2	5'-3"	3'-8"	3'-5½"	3'-7 11/16"	3'-3¾"	3'-10"

DIMENSIONAL DATA (Continued)

TABLE 56-1 — Model K, 02-06 Concealed Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
02	1	2'-7½"	1'-8"	1'-7"	1'-3½"	1'-7 15/16"	3 19/32"	1'-10 11/16"
03	1	3'-3½"	2'-4"	2'-3"	1'-3½"	2'-3 15/16"	7 19/32"	2'-6 11/16"
04	2	3'-11½"	3'	2'-11"	2'-7"	2'-11 15/16"	3 27/32"	3'-2 11/16"
06	2	4'-11½"	4'	3'-11"	2'-7"	3'-11 15/16"	9 27/32"	4'-2 11/16"

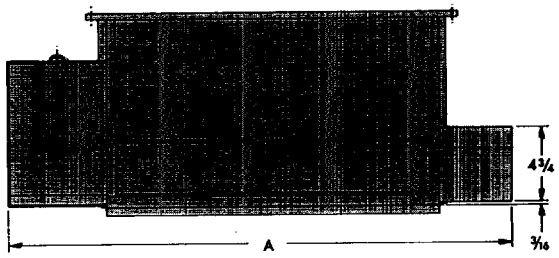


FIGURE 56-1 Model K, 02-06 Concealed Units

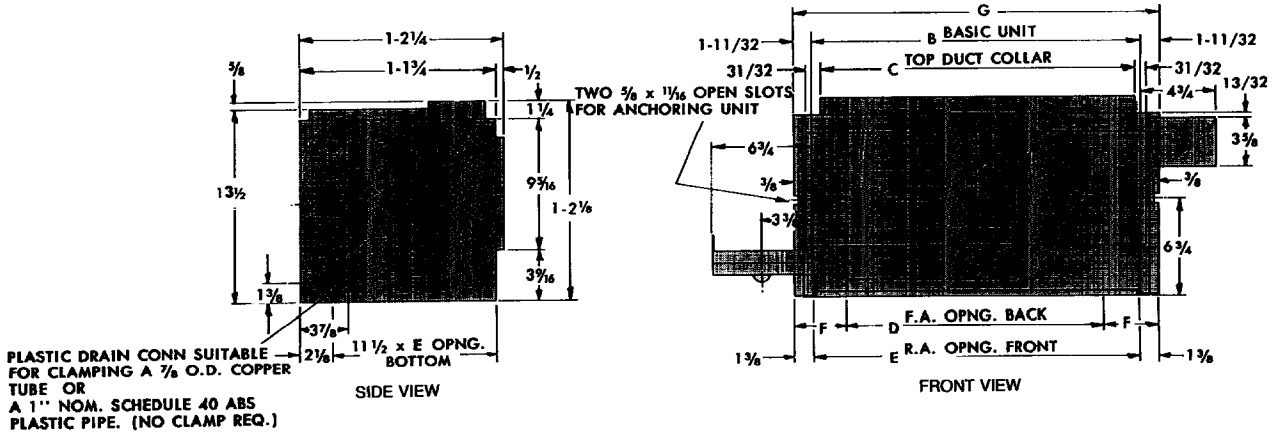
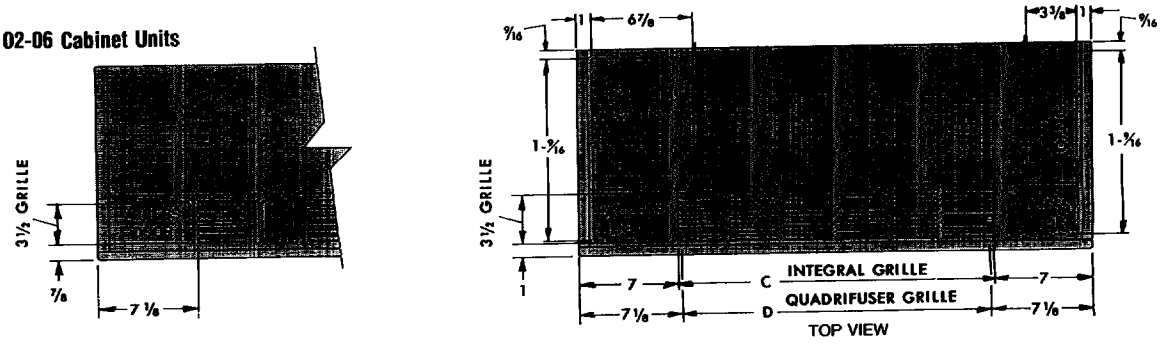
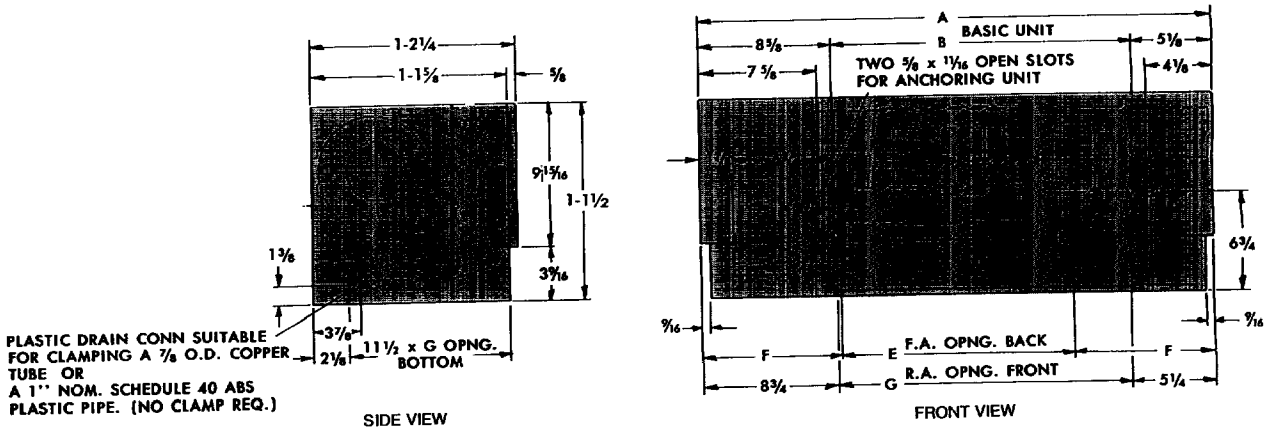


TABLE 56-2 Model L, 02-06 Cabinet Units

UNIT SIZE	NO. OF FANS	A	B	C	D	E	F	G
02	1	2'-9¾"	1'-8"	1'-7¾"	1'-7½"	1'-3½"	9⅛"	1'-7¾"
03	1	3'-5¾"	2'-4"	2'-3¾"	2'-3½"	1'-3½"	1'-1⅛"	2'-3¾"
04	2	4'-1¾"	3'	2'-11¾"	2'-11½"	2'-7"	9⅜"	2'-11¾"
06	2	5'-1¾"	4'	3'-11¾"	3'-11½"	2'-7"	1'-3⅜"	3'-11¾"

FIGURE 56-2 Model L, 02-06 Cabinet Units

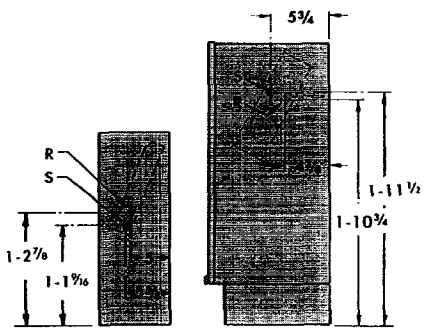




DIMENSIONAL DATA (Continued)

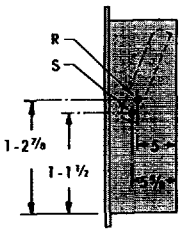
TYPE AO COIL CONNECTION DIMENSIONS

Models A and B



Sizes 02-06 Sizes 08-12

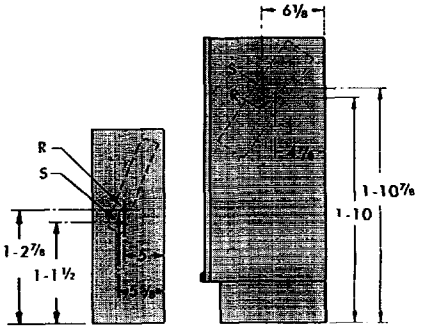
Model H



Sizes 02-06

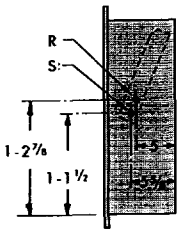
TYPE DO COIL CONNECTION DIMENSIONS

Models A and B



Sizes 02-06 Sizes 08-12

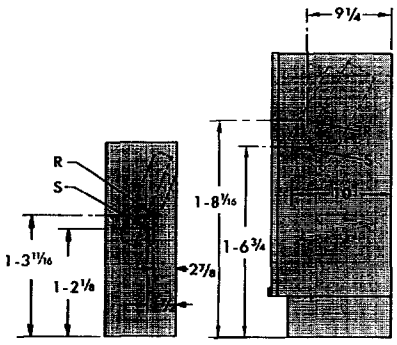
Model H



Sizes 02-06

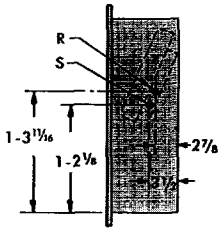
TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE AO COIL

Models A and B



Sizes 02-06 Sizes 08-12

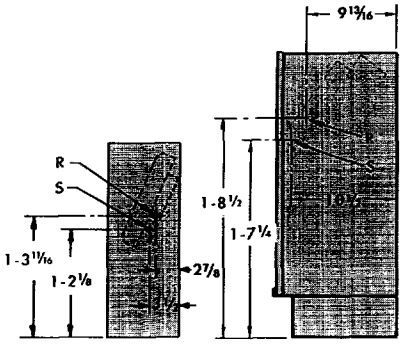
Model H



Sizes 02-06

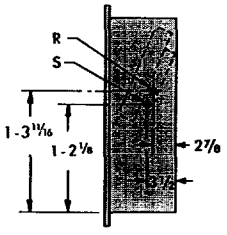
TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE DO COIL

Models A and B



Sizes 02-06 Sizes 08-12

Model H



Sizes 02-06

TABLE 57-1 Vertical Unit Coil Connections

UNIT SIZE	COIL TYPE	COIL DESCRIPTION	NO. ROWS	COIL* CONN.
02-06	AO	12" Water	1	⅝ OD
08-12	AO	10½" Water	2	⅞ OD
02-06	DO	12" Water High Temp. Rise	2	⅝ OD
08-12	DO	12" Water High Temp. Rise	2	⅞ OD
02-06	L	9" Auxiliary Hot Water	1	½ OD
08-12	L	10" Auxiliary Hot Water	1	½ OD

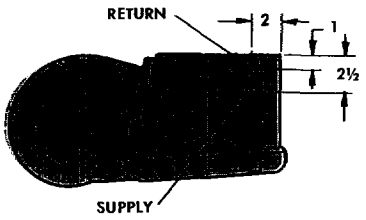
NOTE:
*OD dimension of pipes to be connected to UniTrane coil.

Auxiliary coil connections for vertical model UniTrane are on the same side as main coil connections on sizes 02-06, opposite side on sizes 08-12.

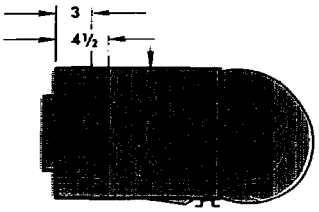
All dimensions approximate. Certified prints on request.

TYPE AO COIL CONNECTION DIMENSIONS

Model C



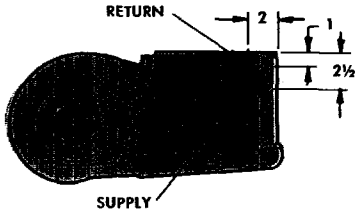
Sizes 02-06



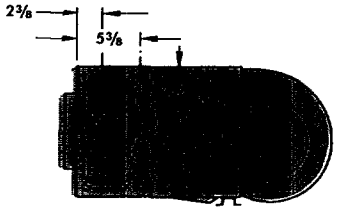
Sizes 08-12

TYPE DO COIL CONNECTION DIMENSIONS

Model C



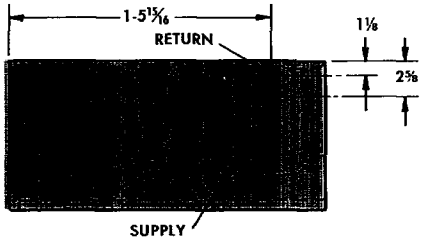
Sizes 02-06



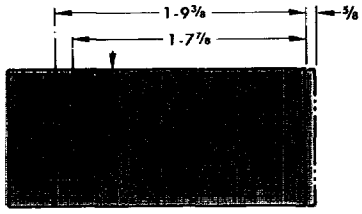
Sizes 08-12

TYPE AO COIL CONNECTION DIMENSIONS

Model D



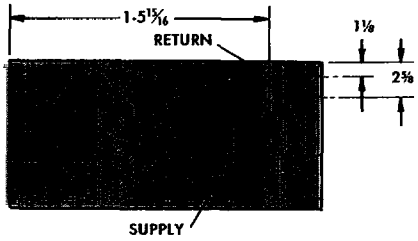
Sizes 02-06



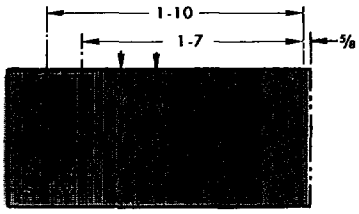
Sizes 08-12

TYPE DO COIL CONNECTION DIMENSIONS

Model D



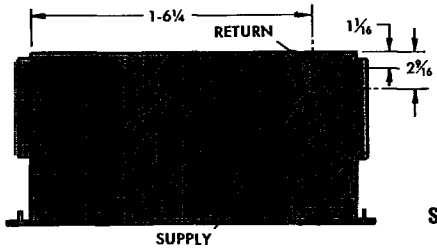
Sizes 02-06



Sizes 08-12

TYPE AO COIL CONNECTION DIMENSIONS

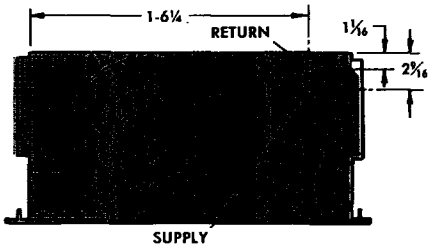
Model E



Sizes 02-06

TYPE DO COIL CONNECTION DIMENSIONS

Model E



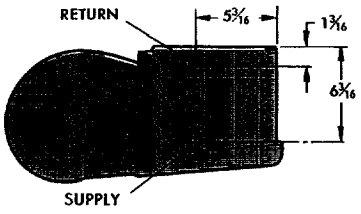
Sizes 02-06

All dimensions approximate. Certified prints on request.

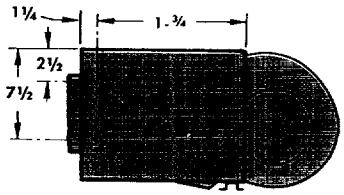
HORIZONTAL MODELS

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE AO COIL

Model C



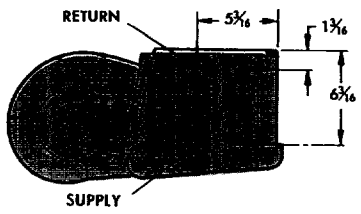
Sizes 02-06



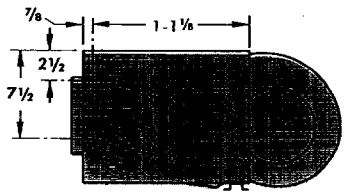
Sizes 08-12

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE DO COIL

Model C



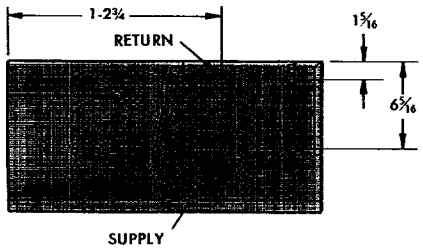
Sizes 02-06



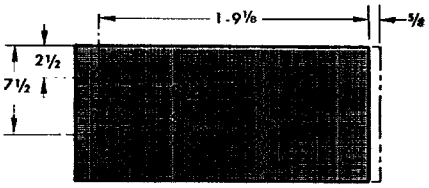
Sizes 08-12

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE AO COIL

Model D



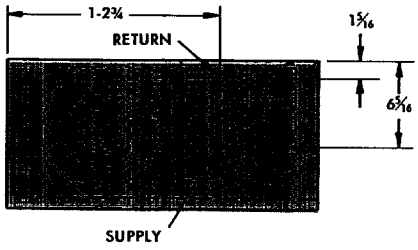
Sizes 02-06



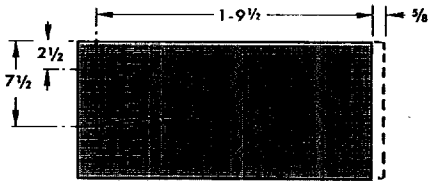
Sizes 08-12

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE DO COIL

Model D



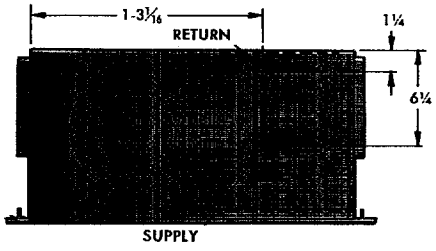
Sizes 02-06



Sizes 08-12

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE AO COIL

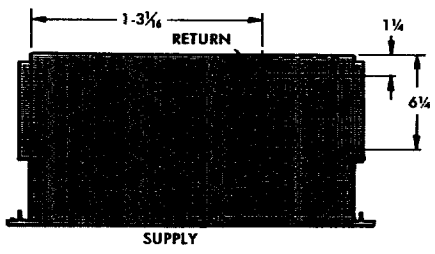
Model E



Sizes 02-06

TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE DO COIL

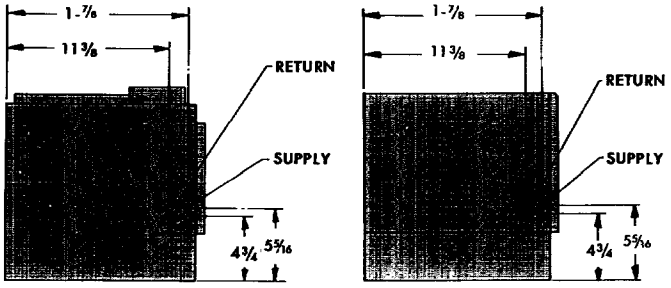
Model E



Sizes 02-06

DIMENSIONAL DATA (Continued)

TYPE AO COIL CONNECTION DIMENSIONS



TYPE L COIL CONNECTION DIMENSIONS WHEN USED WITH TYPE AO COIL

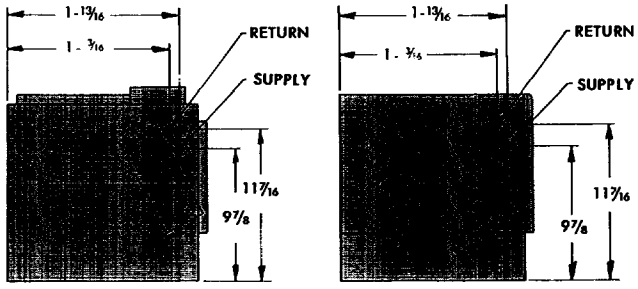


TABLE 60-1 Horizontal and Low Vertical Unit Coil Connections

UNIT SIZE	COIL TYPE	COIL DESCRIPTION	NO. ROWS	COIL* CONN.
HORIZONTAL MODELS				
02-06	AO	7½" Water	2	⅝ OD
08-12	AO	9" Water	2	⅞ OD
02-06	DO	7½" Water High Temp. Rise	2	⅝ OD
08-12	DO	9" Water High Temp. Rise	3	⅞ OD
02-06	L	6⅔" Auxiliary Hot Water	1	½ OD
08-12	L	6⅔" Auxiliary Hot Water	1	½ OD
LOW VERTICAL MODELS				
02-06	AO	7½" Water	2	⅝ OD
02-06	L	3⅓" Auxiliary Hot Water	1	½ OD

NOTE:
*OD dimension of pipes to be connected to UniTrane coil.

TABLE 60-2 Junction Box Location for Electric Connections By Contractor

SIZE UNITS	MODELS	MAIN COIL SIDE	AUX. COIL SIDE
02-06	Vertical	X	
02-06	Horizontal W/O Electric Heat		
	- 2-Pipe Electric Piping Pkg	X	
	- 4-Pipe Electric Piping Pkg	X	
	- Pneumatic Piping Pkg		X
	- Without Piping Pkg	X	
02-06	Horizontal W/Electric Heat		X
02-06	Low Vertical		X
08-12	Vertical		X
08-12	Horizontal		X

NOTE:
Electric junction box is furnished by Trane unless otherwise specified.

Auxiliary coil connections for horizontal and low vertical models are on side opposite main coil connections on all size units.

ACCESSORIES

FIGURE 60-1 Auxiliary Drain Pan, 02-06 Horizontal Units

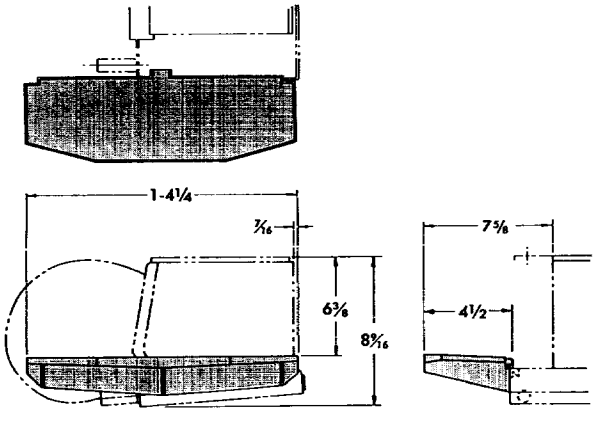
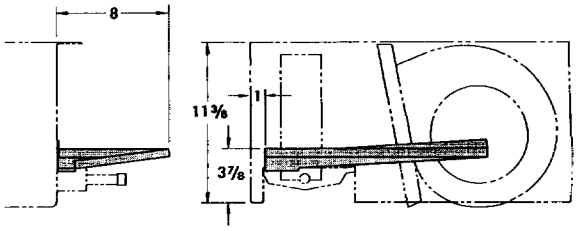


FIGURE 60-2 Auxiliary Drain Pan, 08-12 Horizontal Units



All dimensions approximate. Certified prints on request.

TABLE 60-3 UniTrane Filter Sizes, Inches

NOMINAL CFM	VERTICAL AND HORIZONTAL	LOW VERTICAL
200	19⅞ x 8¼	19½ x 8
300	27⅞ x 8¼	27½ x 8
400	31⅞ x 8¼	35½ x 8
600	43⅞ x 8¼	47½ x 8
800	45¾ x 11	—
1,000	57¾ x 11	—
1,200	69¾ x 11	—

TABLE 60-4 — Unit Weights — Lbs.

UNIT SIZE	CABINET MODEL WEIGHTS	CONCEALED MODEL WEIGHTS
02	65	55
03	80	65
04	95	80
06	115	100
08	185	125
10	215	150
12	235	170

NOTE:
Weights are for all vertical and horizontal fan coil units.

DIMENSIONAL DATA (Continued)

TABLE 61-1 Type T_1 Integral Discharge Grille Dimensions

UNIT SIZE	A	B	C	D	E	F	G	H	J	K
	VERTICAL									
02	2'10"	1'3¾"	1'7¾"	7⅛"	9⅛"	7	4⅛"	1 7/16"	4	1½"
03	3'6"	1'11¾"	2'3¾"	7⅛"	9⅛"	7	4⅛"	1 7/16"	4	1½"
04	3'10"	2'3¾"	2'7¾"	7⅛"	9⅛"	7	4⅛"	1 7/16"	4	1½"
06	4'10"	3'3¾"	3'7¾"	7⅛"	9⅛"	7	4⅛"	1 7/16"	4	1½"
08	5'¾"	3'7¾"	3'9⅝"	7⅝"	8½"	8½"	6	1¼"	5	1¾"
10	6'¾"	4'7¾"	4'9⅝"	7⅝"	8½"	8½"	6	1¼"	5	1¾"
12	7'¾"	5'7¾"	5'9⅝"	7⅝"	8½"	8½"	6	1¼"	5	1¾"
	LOW VERTICAL									
02	3'10"	1'3¾"	1'7⅛"	7 7/16"	9⅛"	7	4⅛"	1 7/16"	4	1½"
03	3'6"	1'11¾"	2'3⅛"	7 7/16"	9⅛"	7	4⅛"	1 7/16"	4	1½"
04	4'2"	2'7¾"	2'9⅛"	7 7/16"	9⅛"	7	4⅛"	1 7/16"	4	1½"
06	5'2"	3'7¾"	3'9⅛"	7 7/16"	9⅛"	7	4⅛"	1 7/16"	4	1½"

FIGURE 61-1 Type T_1 Integral Discharge Grille

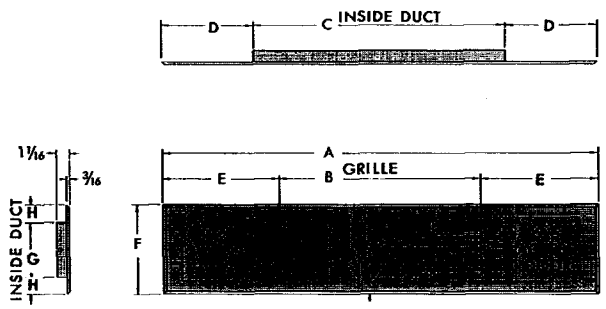


FIGURE 61-2 Type T_5 Horizontal Integral Discharge Grille

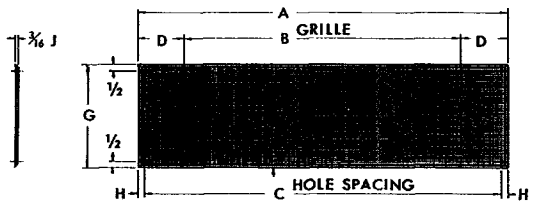


TABLE 61-2 Type T_5 Horizontal Integral Discharge Grille Dimensions

UNIT SIZE	A	B	C	D	E	F	G	H	J
	HORIZONTAL								
02	2'3"	1'7¾"	13-13	3⅝"	1½"	5	8	½"	¼"
03	2'11"	2'3¾"	12-10-12	3⅝"	1½"	5	8	½"	¼"
04	3'3"	2'7¾"	13-12-13	3⅝"	1½"	5	8	½"	¼"
06	4'3"	3'7¾"	13-12-12-13	3⅝"	1½"	5	8	½"	¼"
08	4'4¾"	3'7¾"	4-12	4½"	15/16"	6⅝"	8½"	2⅜"	½"
10	5'4¾"	4'7¾"	5-12	4½"	15/16"	6⅝"	8½"	2⅜"	½"
12	6'4¾"	5'7¾"	6-12	4½"	15/16"	6⅝"	8½"	2⅜"	½"

TABLE 61-3 Type P (1-3) Return Air Grille Dimensions

UNIT SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P
02	2'3"	1'7¾"	13-13	1'8"	3½"	3⅝"	10½"	½"	¼"	1½"	1	8½"	6¾"	1⅞"
03	2'11"	2'3¾"	12-10-12	2'4"	3½"	3⅝"	10½"	½"	¼"	1½"	1	8½"	6¾"	1⅞"
04	3'3"	2'7¾"	13-12-13	2'7"	3½"	3⅝"	10½"	½"	¼"	1½"	1	8½"	6¾"	1⅞"
06	4'3"	3'7¾"	13-12-12-13	3'7"	3½"	3⅝"	10½"	½"	¼"	1½"	1	8½"	6¾"	1⅞"
08	4'	3'6¼"	3-14	3'10⅛"	15/16"	2⅞"	13	3	½"	1⅝"	⅞"	11¼"	8	2½"
10	5'	4'7"	4-13-½	4'10⅛"	15/16"	2⅞"	13	3	½"	1⅝"	⅞"	11¼"	8	2½"
12	6'	5'7¾"	4-16-½	5'10⅛"	15/16"	2⅞"	13	3	½"	1⅝"	⅞"	11¼"	8	2½"

FIGURE 61-3 Type P (1-3) Return Air Grille

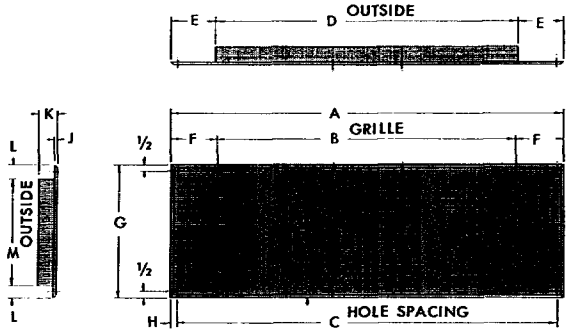


FIGURE 61-4 Type P (6-9) Hinged Return Air Grille with Cam Lock

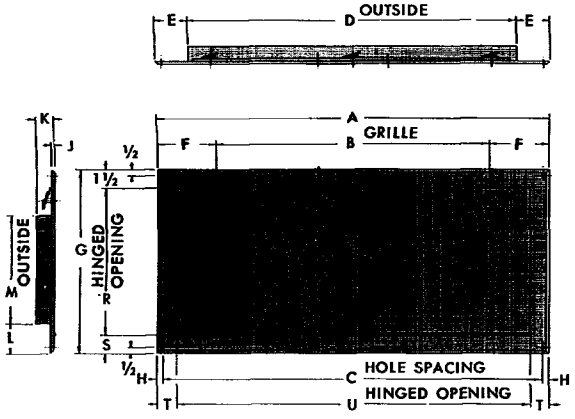


TABLE 61-4 Type P (6-9) Hinged Return Air Grille Dimensions

UNIT SIZE	A	B	C	D	E	F	G	H
02	2'1"	1'3¾"	12-12	1'8"	2½"	4⅝"	14½"	½"
03	2'9"	2'11¾"	12-8-12	2'4"	2½"	4⅝"	14½"	½"
04	3'1"	2'3¾"	12-12-12	2'8"	2½"	4⅝"	14½"	½"
06	4'1"	3'3¾"	12-12-12-12	3'8"	2½"	4⅝"	14½"	½"
08	4'4⅛"	3'7⅞"	4-12	4'	2"	4⅛"	14⅛"	2"
10	5'3⅛"	4'7⅞"	5-12	4'11"	2"	3⅝"	14⅛"	1½"
12	6'3⅝"	5'7⅞"	6-12	5'11½"	2"	3⅞"	14⅛"	1¾"

UNIT SIZE	J	K	L	M	N	P	R	S	T	U
02	¼"	1½"	2⅜"	8½"	6¾"	3⅜"	11½"	1½"	1½"	1'10"
03	¼"	1½"	2⅜"	8½"	6¾"	3⅜"	11½"	1½"	1½"	2'6"
04	¼"	1½"	2⅜"	8½"	6¾"	3⅜"	11½"	1½"	1½"	2'10"
06	¼"	1½"	2⅜"	8½"	6¾"	3⅜"	11½"	1½"	1½"	3'10"
08	½"	1⅝"	2½"	8¼"	6⅝"	3¼"	11⅜"	1⅜"	1⅜"	4'1⅜"
10	½"	1⅝"	2½"	8¼"	6⅝"	3¼"	11⅜"	1⅜"	1⅜"	5'3⅜"
12	½"	1⅝"	2½"	8¼"	6⅝"	3¼"	11⅜"	1⅜"	1⅜"	6'7⅜"

1. Nominal 0 to 25 percent outdoor air damper (vertical concealed and cabinet and low vertical models).

- Unique damper design protects against outside air blow-through.
- Wing nuts at the damper ends permit 0 to 25 percent nominal outside air adjustment.

2. Nominal 0 to 25 percent two-position outdoor air damper (vertical concealed and cabinet models only).

- When electric damper motor is activated by motor speed switch, damper is opened to pre-set position. Maximum position allows nominal 25 percent outside air to enter unit.

3. 0-100 percent modulating proportional outside air damper (vertical concealed and cabinet models only).

- Unique damper design protects against outside air blow-through. Positive damper movement enhanced since no complicated linkage between damper rod and damper.
- One-piece rigid butterfly damper assures positive modulation of outside air and return air. No complicated linkage between damper rod and damper.
- Control is either manual or automatic. The manual control is operated by a twist knob mounted at side and top of the unit. Automatic control is by a pneumatic damper motor linked to damper rod extension.

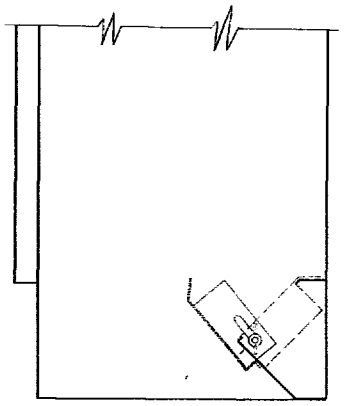


FIGURE 62-1 Nominal 0 to 25 Percent Manual Outside Air Damper (02 to 06 Vertical Units Shown)

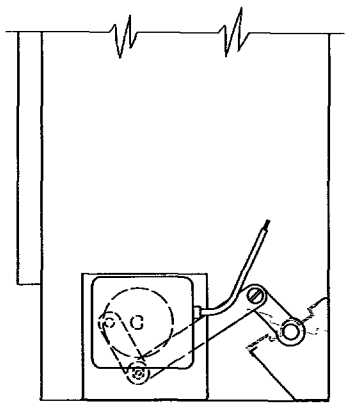


FIGURE 62-2 Nominal 0 to 25 Percent Two-Position Outside Air Damper for Electric Operators (02 to 06 Cfm Vertical Units Shown)

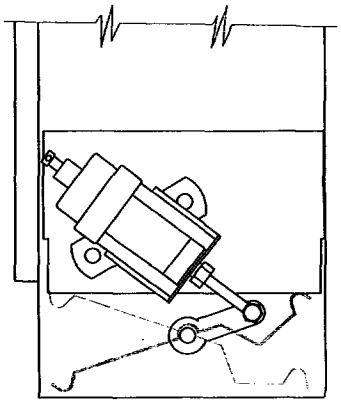


FIGURE 62-3 0 to 100 Percent Modulating Proportional Outside Air/Return Air Damper for Pneumatic Operator (02 to 06 Cfm Vertical Units Shown)

FIGURE 62-4 Aluminum Wall Intake Boxes, 02 to 06 Units

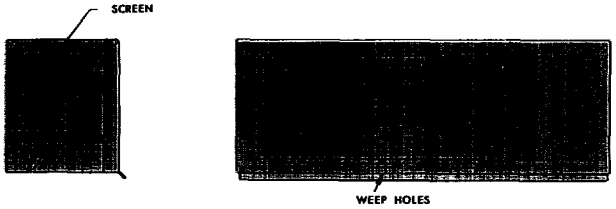


FIGURE 62-5 Aluminum Wall Intake Boxes, 08 to 12 Units

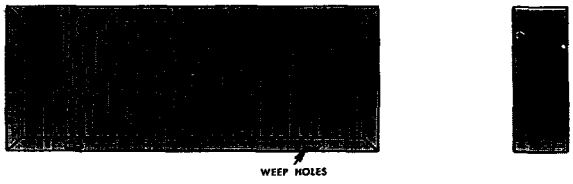


TABLE 62-1 Wall Box and Outside Air Opening Dimensions

SIZE	DAMPER ARRANGEMENT	WALL BOX DIMENSIONS			UNIT O.A. OPENING	
		HEIGHT	LENGTH	DEPTH	HEIGHT	LENGTH
02	Nominal 0-25% O.A. 0-100% O.A.	4¾ 4¾	16½ 25	4 4	2 7/16	17
03	Nominal 0-25% O.A. 0-100% O.A.	4¾ 4¾	16½ 25	4 4	2 7/16	25
04	Nominal 0-25% O.A. 0-100% O.A.	4¾ 4¾	25 33½	4 4	2 7/16	29
06	Nominal 0-25% O.A. 0-100% O.A.	4¾ 4¾	25 33½	4 4	2 7/16	41
08	Nominal 0-25% O.A. 0-100% O.A.	4¾ 10⅜	41 42⅛	4 2¼	3	39
10	Nominal 0-25% O.A. 0-100% O.A.	4¾ 10⅜	50⅞ 54⅛	4 2¼	3	48⅞
12	Nominal 0-25% O.A. 0-100% O.A.	4¾ 10⅜	60¾ 66⅛	4 2¼	3	58¾

TABLE 63-1 Recessing Flange Dimensions

UNIT SIZE	A	B
02	2'7½"	2'1"
03	3'3½"	2'1"
04	3'7½"	2'1"
06	4'7½"	2'4"
08	5'	2'4"
10	6'	2'4"
12	7'	2'4"

FIGURE 63-1 Recessing Flange

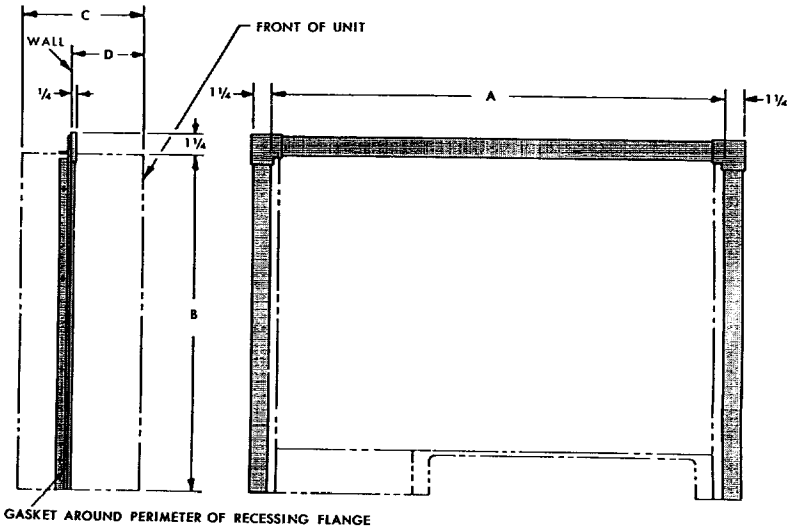
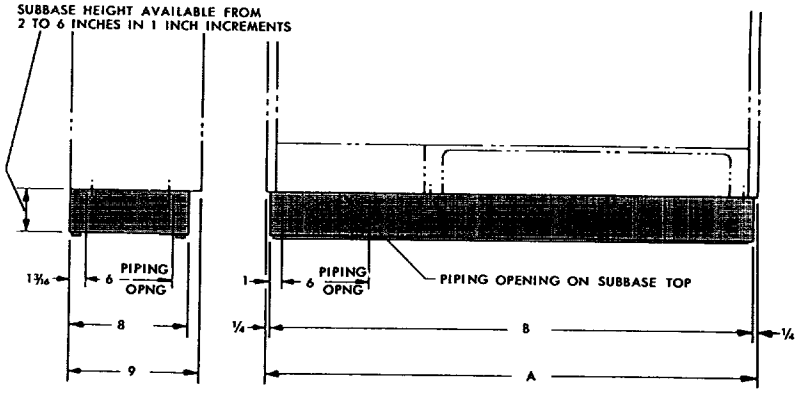


TABLE 63-2 Subbase Dimensions

UNIT SIZE	A	B
02	2'7½"	2'7"
03	3'3½"	3'3"
04	3'7½"	3'7"
06	4'7½"	4'7"

All dimensions approximate. Certified prints on request.

FIGURE 63-2 Subbases, 02 to 06 Units



MECHANICAL SPECIFICATIONS

PERFORMANCE DATA

Capacity — Unit capacities certified under Industry Room Fan-Coil Air Conditioner Certification Program in accordance with ARI Standard 440-81.

Sound — Units tested and rated in accordance with ARI Standard 350-82.

Safety — Units comply with National Electric Code. Underwriters Laboratory approval available as option.

CONSTRUCTION

Vertical Basic Units — Basic unit includes chassis, coil, heavy-density, faced-glass fiber insulation, air blockoffs around coil, removable fan board/drain pan assembly, auxiliary drain pan, fan(s), fan housing(s), motor and filter. Chassis of galvanized steel with flanged edges. Auxiliary drain pan of molded, high-impact, flame resistant, ABS thermoplastic with solderless connection (⅞-inch OD copper tubes or 1-inch OD ABS plastic pipe) — 02-06; 18-gauge galvanized steel with polyurethane insulation on underside and ⅞-inch OD copper sweat drain connection (08-12). 02-06 units have one-piece, box construction pedestal base riveted to chassis. 08-12 units have 18-gauge painted steel subbase with slotted leveling adjustment.

Vertical Cabinets — 18-gauge steel panels with option of 16-gauge front panels. Front and end panels have channel-formed edges around entire perimeter. Front panels have faced, heavy-density thermal and acoustical insulation over entire coil section. (Front panels removable without tools.) End panels removable. Webbed top and end panel assembly removable on low vertical cabinet models. Top panels of galvanized steel, channel-formed, with recessed stamped integral discharge grille standard. Optional adjustable quadrifuser grilles of modified polyphenylene, high strength, flame resistant plastic (02-06), or 18-gauge galvanized steel (08-12). Discharge angle on all grilles 15 degrees from vertical. Optional cam lock access door.

Horizontal Basic Unit — Basic units include coil, sleeved coil end supports, main drain pan, fan board, fan(s), fan housing(s), motor and thermal insulation. Optional auxiliary drain pan of molded, high impact, flame resistant, ABS thermoplastic (02-06); galvanized steel with polyurethane insulation on underside (08-12).

MECHANICAL SPECIFICATIONS

Horizontal Cabinet — 18-gauge steel with channel-formed panel edges. Hinged, bottom access panel held closed by cam lock fasteners. Stamped integral discharge grilles on front of cabinet, recessed on 02-06 units with condensate trough and weep holes at bottom of grille. Adjustable cast aluminum quadrifuser grilles optional. All discharge angles 15 degrees from horizontal.

Horizontal Recessed — Bottom panel of 18-gauge steel and ships mounted to unit. This panel is removable by loosening six screws. Panel hinged at back and cam locked at front for access. Panel has an adjustment of 2½-inches with the aid of a recessing frame for flush mounting against ceiling.

Cabinet Finish — All cabinet parts are cleaned, bonderized, phosphatized, and painted with light grey baked-on enamel finish as standard. Optional baked-on enamel in eight decorator colors (chestnut brown, forest green, platinum grey, redwood, pale gold, flat black, bronze tone or shell white) are available. Standard and optional finish meet Corps of Engineers' specifications CE301.37 (salt spray test).

Coils (AO, DO) — ⅝-inch OD seamless copper tubes mechanically bonded to configurated aluminum fins with continuous fin collars and sleeved coil end supports. Piping packages are designed for a maximum working pressure of 300 psig and are burst tested at 450 psig air-under water. Maximum entering water 275 F. Coils have female sweat connections to accept ⅝-inch OD (02-06) and ⅞-inch (08-12) copper tubing.

Auxiliary Heating Coils (L) — $^{7}/_{16}$-inch OD copper tubes mechanically bonded to configurated aluminum fins with continuous fin collars and sleeved end supports. Maximum working pressure 300 psig. Maximum entering water 275 F. Female sweat connections accept ½-inch OD copper tubing.

Electric Heating Coils (E) — Hydronic type fin-tube construction with resistance elements inserted in the tubes on 02-06 units, sheath type on 08-12 cfm units. Units factory equipped with electric coils also include as standard a unit-mounted magnetic contactor and a high temperature cutout with automatic reset. Fan override switch on horizontal 02-06 units with high capacity electric coils.

Drain Pans — Horizontal and vertical main drain pans galvanized steel. Vertical 02-06 have molded, one-piece, flame resistant polystyrene foam insulation liner. Horizontal 02-06 drain pan insulation is flexible polyurethane with main safety (optional) drain connections solderless, to accept ⅞-inch OD and ⅝-inch OD copper tubing respectively. 08-12 drain pan insulation is flexible, polyethylene over entire underside surface. 08-12 horizontal main drain connection is ⅞-inch OD sweat.

Fans — Fan wheels are centrifugal forward-curved and double-width. Fan wheels and housings corrosion resistant. Fan housings of formed sheet metal. 800 through 1,200 cfm units have forced thermo-plastic material and fan scrolls of galvanized steel.

Motors — All motors have integral thermal overload protection and start at 78 percent of rated voltage. Motors operate satisfactorily at 90 percent of rated voltage on all speed settings and at 10 percent overvoltage without undue magnetic noise. Temperature rise by winding resistance method does not exceed 60 C (shaded pole) and 50 C (psc) on high speed, and 65 C (shaded pole) and 55 C (psc) on reduced speeds.

All motors factory run tested in assembled unit prior to shipping.

Motor cords quickly detachable at switch box by locking prolonged connector (optional on horizontal units).

Filters — Concealed from sight and removable from vertical models without displacing front panels. Filters throw-away type of woven glass fiber. Filter options include: ½ inch permanent, cleanable aluminum mesh; ½-inch Scottfoam renewable media (not available on low vertical models); and replaceable media of woven glass fiber with 1-inch permanent frame (not available on low vertical models).

Dampers and Damper Operators (vertical models only) Damper blades 18-gauge steel, factory adjusted to close against polyurethane stop across entire blade length. Dampers available on 25 percent manual, 25 percent with operator and 100 percent proportional.

Factory-mounted electric operators run tested through full stroke with factory check of sealing.

VERTICAL ACCESSORIES

Aluminum Wall Boxes — Coated with methacrylate resin lacquer. (Anodized optional.) Twenty-five percent and 100 percent fresh air (02-06) and 25 percent (08-12) have stamped integral eliminators and galvanized, wire mesh insect screen. 100 percent fresh air (08-12) heavy-gauge aluminum, with internal parts interlocked by frame-within-a-frame design. W-shaped, eliminator type vertical louver.

Discharge Grille Panels — 18-gauge galvanized steel, stamped integral grilles with or without access doors (02-12).

Tamperproof Front Panel — Key-operated locking device. Vertical cabinet (02-06).

Subbase — 18-gauge steel in heights of 2 to 6 inches in 1-inch increments — Vertical cabinet (02-06).

Unit Levelers — Refrigerator type bolts — Vertical models (A, B, H), sizes 02-06.

Extended Motor Oilers — Plastic tubes terminate beneath discharge grille of vertical cabinet models (02-06). Tube openings are covered.

Recessing Flanges — 18-gauge steel vertical cabinet models.

HORIZONTAL ACCESSORIES

Discharge Grille Panels — 18-gauge galvanized steel, stamped integral grille.

Return Air Grille Panels — 18-gauge steel, stamped integral grilles. Available with hinged, cam locked filter-grille section (optional).

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