

TR150 2018 DOE VFD Parameters, Model with 14th Digit "A"

ID	Description	Units	IOM Description (Values when using Keypad)
0-01	Language		[0] English US
0-03	Regional Settings		[1] North American
0-06	Grid Type		Set to applicable unit power supply [102] 200-240V/60Hz for 208 & 230V/60Hz units [122] 440-480V/60Hz for 460V/60Hz units [132] 525-600V/60Hz for 575V/60Hz units
0-40	[Hand on] Key on LCP		[0] Disabled
1-03	Torque Characteristics		[1] Variable torque
1-06	Clockwise Direction		[1] Inverse
1-20	Motor Power		[9] 1.5 kW - 2 hp [10] 2.2 kW - 3 hp [12] 3.7 kW - 5 hp [14] 5.5 kW - 7.5 hp
1-22	Motor Voltage	Volt	[208] 208 V [460] 460 V [575] 575 V
1-23	Motor Frequency	Hertz	[60] 60 Hz
1-24	Motor Current	Amps	208V Motors [6.12] [9.4] [13.4] [19.6] 460V Motors [3.09] [4.6] [6.3] [8.9] 575V Motors [2.2] [3.7] [5.1] [7.1]
1-25	Nominal Speed	RPM	Per Motor Nameplate Rated Speed [1725] [3450]
1-73	Flying Start		[1] Enabled
1-82	Min Speed for Function at Stop		[0.1] 0.1
1-90	Motor Thermal Protection		[4] ETR trip 1
2-00	DC Hold/Preheat Current	%	[0] 0%
2-01	DC Brake Current	%	[0] 0%
2-02	DC Braking Time	sec	[0] 0s
2-04	DC Brake Cut In Speed	Hertz	[9.9] 9.9 Hz
3-02	Minimum Reference	Hertz	[25] 25 Hz
3-03	Maximum Reference	Hertz	[60] 60 Hz
3-15	Reference 1 Source		[1] Analog Input 53 (Unit Model Digit 15 = C) [11] Local Bus (Unit Model Digit 15 = D)
3-16	Reference 2 Source		[0] No Function
3-17	Reference 3 Source		[0] No Function
3-41	Ramp 1 Ramp Up Time	Sec	[30] 30 seconds
3-42	Ramp 1 Ramp Down Time	Sec	[30] 30 seconds
4-14	Motor Speed High Limit	Hertz	[60] 60 Hz
4-12	Motor Speed Low Limit	Hertz	[25] 25 Hz
4-18	Current Limit	%	[100] 115%
4-19	Max Output Frequency	Hertz	[65] 65 Hz
5-10	Terminal 18 Digital Input		[8] Start (Unit Model Digit 15 = C) [0] No Operation (Unit Model Digit 15 = D)
5-12	Terminal 27 Digital Input		[2] Coast Inverse (Unit Model Digit 15 = C) [0] No Operation (Unit Model Digit 15 = D)
5-13	Terminal 29 Digital Input		[0] No Operation
5-40.0	Function Relay		[160] No Alarm

5-40.1	Function Relay		[6] Running	
6-15	Terminal 53 High Ref./Feedb. Value	Hertz	[60] 60 Hz	
6-14	Terminal 53 Low Ref./Feedb. Value	Hertz	[25] 25 Hz	
8-01	Control Site		[2] Controlword only (Unit Model Digit 15 = D) [0] Digital and ctrl.word (Unit Model Digit 15 = C)	
8-03	Control Timeout Time	Sec	[15] 15s	Unit Model Digit 15 = D
8-04	Control Timeout Function		[2] Stop	
8-30	Protocol		[2] Modbus RTU	
8-31	Address		[2] Address 2	
8-32	Baud Rate		[7] 115200 Baud	
8-33	Parity / Stop Bits		[0] Even Parity, 1 Stop Bits	
8-35	Minimum Response Delay	Sec	[0.005] 5ms Min Response Delay Time	
8-36	Maximum Response Delay	Sec	[0.1] 100ms Max Response Delay Time	
14-01	Switching Frequency	kHz	[8] 10 KHz	
14-11	Mains Voltage at Mains Fault	Volt	Set based on motor nameplate voltage [177] for 208V&230V motor [391] for 460V motor [489] for 575V motor	
14-12	Function at Main Imbalance		[3] Derate at Mains imbalance	
14-20	Reset Mode		[5] Automatic reset x 5	
14-50	RFI Filter		[0] OFF	
14-61	Function at Inverter Overload		[1] Derate	