

**Odyssey TR150 2023 DOE VFD Parameters**

<b>ID</b>	<b>Description</b>	<b>IOM Description (Values when using Keypad)</b>
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
1-06	Clockwise Direction	[0] Normal
1-20	Motor Power	Set based on motor nameplate Power
1-22	Motor Voltage	Set based on motor nameplate Voltage
1-23	Motor Frequency	Set based on motor nameplate Frequency
1-24	Motor Current	Set based on motor nameplate <u>Service Factor</u> Amperage
1-25	Nominal Speed	Set based on motor nameplate RPM
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	[0] 0s
2-04	DC Brake Cut In Speed	[9.9] 9.9 Hz
3-02	Minimum Reference	[25] 25 Hz
3-03	Maximum Reference	[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	[30] 30 Seconds
3-42	Ramp 1 Ramp Down Time	[30] 30 Seconds
4-12	Motor Speed Low Limit	[25] 25 Hz
4-14	Motor Speed High Limit	[60] 60 Hz
4-18	Current Limit	[100] 100%
4-19	Max Output Frequency	[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
6-14	Terminal 53 Low Ref./Feedb. Value	[25] 25 Hz
6-15	Terminal 53 High Ref./Feedb. Value	[60] 60 Hz

8-01	Control Site	[2] Controlword only	Unit Model 15th Digit=D
8-03	Control Timeout Time	[15] 15s	
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	[0.005] 5ms Min Response Delay Time	
8-36	Maximum Response Delay	[0.1] 100ms Max Response Delay Time	
14-01	Switching Frequency	[5] 5 KHz	
14-11	Mains Voltage at Mains Fault	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	[12] Derate	
14-20	Reset Mode	[5] Automatic reset x 5	
14-50	RFI Filter	[0] OFF	
14-61	Function at Inverter Overload	[1] Derate	
22-60	Broken Belt Function	[2] Trip	
22-61	Broken Belt Torque	[10] 10%	
22-62	Broken Belt Delay	[60] 60s	