

OPERATION

VARIABLE FREQUENCY DRIVE (VFD)

The condensing fans driven by VFD. Listed below is a quick reference for factory adjusted VFD settings. VFD packaged Instruction Manual is enclosed and to be read in conjunction with this manual as necessary.

Condenser Fan VFD (VFD27035) Parameters:

PAR	DESCRIPTION	SET	DEFINE
A1-00	Language Selection	0	ENGLISH – default
A1-01	Access Level Selection	2	Advanced Access - default
A1-04	Password	0	default
A1-05	Password Setting	0	default
A1-06	Application Preset	0	General purpose – default
b1-01	Frequency Reference Selection 1	1	AI terminal – default
b1-02	Run Command Selection 1	1	Control Circuit terminal – default
b1-03	Stopping Method Selection	1	Coast to stop
b1-04	Reverse Operation Selection	1	Reverse Operation Disabled
b1-11	Drive Delay Time Setting	10s	
b1-14	Phase Order Selection	0	Standard Phase Order - default
d2-01	Frequency Reference Upper Limit	100%	
d2-02	Frequency Reference Lower Limit	33%	
d2-03	Master Speed Reference Lower Limit	0%	
E1-01	Input Voltage Setting	460V	
E1-03	V/f Pattern Selection	F	default
E1-04	Maximum Output Frequency	60Hz	
E1-05	Maximum Voltage	460V	
E1-06	Base Frequency	60Hz	
E1-13	Base Voltage	460V	
E2-01	Motor Rated Current	8.4A	
E2-04	Number of Motor Poles	4	
E2-11	Motor Rated Power	3kW	
H1-01	Terminal S1 Function Selection	40	Forward Run Command (2-wire Sequence)
H1-02	Terminal S2 Function Selection	F	Not used
H1-03	Terminal S3 Function Selection	1	Local/Remote Selection
H1-04	Terminal S4 Function Selection	F	Not used
H1-05	Terminal S5 Function Selection	F	Not used
H1-06	Terminal S6 Function Selection	F	Not used
H1-07	Terminal S7 Function Selection	F	Not used
H1-08	Terminal S8 Function Selection	F	Not used
H3-09	Terminal A2 Signal Level Selection	3	0 to 20mA
H3-10	Terminal A2 Function Selection	0	Frequency Bias - default
H3-11	Terminal A2 Gain Setting	150%	
H3-12	Terminal A2 Bias Setting	-100%	
H3-13	Analog Input Filter Time Constant	1.0s	
H3-14	Analog Input Terminal Enable Selection	2	A2 only enable
L1-01	Motor Overload Protection Selection	1	Standard Fan Cooled
L1-02	Motor Overload Protection Time	1.0min	default
L8-35	Installation Method Selection	2	IP00 NEMA Type 1 enclosure
o2-01	LO/RE Key Function Selection	0	disabled
o2-02	STOP Key Function Selection	0	STOP key is disabled in REMOTE operation