

Factory Drive Parameter & Panel Component Settings for FRENIC-HPAQ Bypass for Pumps

Drive Parameter Settings

Parameter	Set To	Description
F01	0	Uses VFD keypad for speed reference (Hand mode)
F02	1	Operates VFD from external signals
F05	208	NOTE: Set only for 208VAC rated panels, otherwise default
F06	208	NOTE: Set only for 208VAC rated panels, otherwise default
F11	**	Sets motor overload protection level ** Set to Panel Rated Output Current from tables below
F16	3	Minimum output frequency
F32	1	Assigns FM2 analog output as 4-20mA
F37	0	Variable torque load
E01	1007	Disables VFD output when digital input X1 is off
E06	11	Changes speed reference to analog input (Auto mode)
E24	0	Assigns VFD running to the Y5 output relay
C30	3	Uses the sum of analog input terminals 12 & C1 for the speed reference input (AUTO mode)
H08	1	Reverse rotation for the motor disabled
H96	1	Enables STOP key on keypad and disables the start check

Panel Rated Output Current

208/230VAC Hp Rating	Panel Rated Output Current
1	4.6
2	7.5
3	10.6
5	16.7
7.5	24.2
10	30.8
15	46.2
20	59.4
25	74.8
30	88
40	114
50	143
60	169






460VAC Hp Rating	Panel Rated Output Current
1	2.1
2	3.4
3	4.8
5	7.6
7.5	11
10	14
15	21
20	27
25	34
30	40
40	52
50	65
60	77
75	96
100	124
125	156
150	180
200	240

575VAC Hp Rating	Panel Rated Output Current
1	1.7
2	2.7
3	3.9
5	6.1
7.5	9
10	11
15	17
20	22
25	27
30	32
40	41
50	52
60	62
75	77
100	99
125	125
150	144
200	192

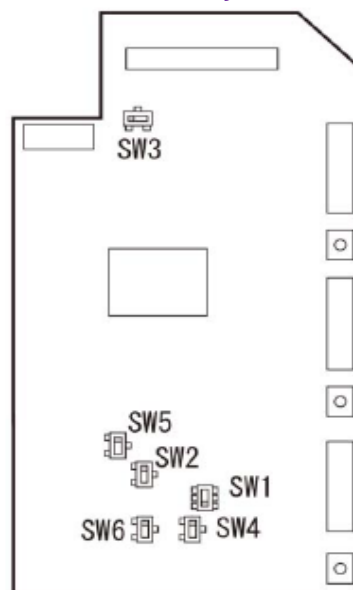
Panel Component Settings

Component	Setting
OL	Panel Rated Output Current
VFD	VFD control PCB "SW6" switch to IO2 for 4-20mA for FM2 output

Switching examples and factory default

	SW1	SW2	SW3	SW4/SW6	SW5
Shipping destination FRN□□□AR1□ -2U/4U/5U	 SINK	 OFF	 OFF	 VO1/VO2	 C1

VFD Control Card (PCB)
Switch Layout



Free-Standing Circuit Breaker Trip Settings

208/230V Hp Rating:		40	50	60		
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	250	300	300		
		240.6	288.8	288.8		
	-	231.3	277.5	277.5		
		221.9	266.3	266.3		
	Med	212.5	255.0	255.0		
		203.1	243.8	243.8		
	-	193.8	232.5	232.5		
	Min	184.4	221.3	221.3		
460V Hp Rating:		100	125	150	200	
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	250	300	300	400	
		240.6	288.8	288.8	385.0	
	-	231.3	277.5	277.5	370.0	
		221.9	266.3	266.3	355.0	
	Med	212.5	255.0	255.0	340.0	
		203.1	243.8	243.8	325.0	
	-	193.8	232.5	232.5	310.0	
	Min	184.4	221.3	221.3	295.0	
575V Hp Rating:		75	100	125	150	200
Circuit Breaker I1 Trip Setting (Dial Setting Highlighted In Green)	Max	150	250	250	300	400
		144.4	240.6	240.6	288.8	385.0
	-	138.8	231.3	231.3	277.5	370.0
		133.1	221.9	221.9	266.3	355.0
	Med	127.5	212.5	212.5	255.0	340.0
		121.9	203.1	203.1	243.8	325.0
	-	116.3	193.8	193.8	232.5	310.0
	Min	110.6	184.4	184.4	221.3	295.0