

High Production Series 5000 psi Dual Phase Power Requirements

Compressor Motor HP	Phase	Voltage	Motor FLA	Recommended Fuses where field wired	Compressor mfg and model
15	3	208V	46A	AJT80	PDC4
15	3	230V	42A	AJT70	PDC4
15	3	460V	21A	AJT40	PDC4
15	3	575V	17A	AJT30	PDC4

Liquid Pump Motor HP	Phase *3 phase only*	Voltage	Motor FLA	Recommended fuses where field wired	Compressor Mfg and model
7.5	3	208V	24A	AJT50	MR Liquid
7.5	3	230V	22A	AJT40	MR Liquid
7.5	3	460V	11A	AJT20	MR Liquid
7.5	3	575V	9A	AJT15	MR Liquid

Chiller size	Goes with	Voltage	Phase	Full Load Amps from Thermo Scientific manual	Thermo Scientific recommended connection
1.5 HP Chiller only	5000DP	230VAC	1	13.2	NEMA 6-20R
1.5HP Chiller/Heater	5000DP	230VAC	1	25.3A	Field wired- 40A
1.5HP Chiller/Heater	5000DP	230VAC	1	25.3A	Field wired- 40A

Control Panel	Goes with	Voltage	Phase	Main Fuse or breaker size	Apeks recommended connection
	All diaphragm systems	115VAC	1	10A	NEMA 5-15R wall receptacle with surge protector

Air Compressor	Goes with	Voltage	Phase	FLA	Recommended connection
	All diaphragm systems	115VAC	1	10	NEMA 5-15R wall receptacle NO GFI

*Motor overload will be set @Apeks to nameplate FLA. Recommended motor branch circuit fuse protection is 175% of NEC FLA from Table 430-250 per 430.52. Explanation here: http://www.cooperindustries.com/content/dam/public/bussmann/Electrical/Resources/solution-center/technical_library/BUS_Ele_Tech_Lib_Motor_Circuit_Notes.pdf