

Mid-Range Production Series 2000 psi Power Requirements

Compressor Motor HP*	Phase	Voltage	Motor FLA	Recommended Fuses where field wired	Compressor mfg and model
15	3	208V	46A	AJT80	PPI4100/PDC4
15	3	230V	42A	AJT70	PPI4100/PDC4
15	3	460V	21A	AJT40	PPI4100/PDC4
15	3	575V	17A	AJT30	PDC4
12.5	1	208V	52A	AJT90	PDC4
12.5	1	230V	48A	AJT90	PDC4

Chiller size	Goes with	Voltage	Phase	Full Load Amps from Polyscience manual	Polyscience recommended connection
Thermo Fisher TF5000 with heater	Large (12.5HP) diaphragm compressor systems (eff 10/15/2015)	230VAC	1	25.3	Field wired- Thermo Fisher recommends 40Amp dedicated hard wired circuit

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
Porter Cable 3gal	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](http://www.cooperindustries.com/content/dam/public/bussmann/Electrical/Resources/solution-center/technical_library/BUS_Ele_Tech_Lib_Motor_Circuit_Notes.pdf)