

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
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
1.5HP	Large (12.5HP) diaphragm compressor systems (eff 10/15/2015)	230VAC	1	31.4	Field wired- Polyscience 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