

i.2000-5LD Power Requirements

Compressor Motor HP*	Phase	Voltage	Motor FLA	Recommended Fuses where field wired	Compressor mfg and model
7.5	1	230V	40A	AJT70	PDC3
7.5	3	208V	24A	AJT50	PDC3
7.5	3	230V	22A	AJT40	PDC3
7.5	3	460V	11A	AJT20	PDC3
7.5	3	575V	9A	AJT15	PDC3

Chiller size	Goes with	Voltage	Phase	Full Load Amps from Polyscience manual	Polyscience recommended connection
3/4HP	5000PSI Gas booster systems, diaphragm systems with small (7.5-10HP) compressor	230VAC	1	12.2	NEMA 6-15R receptacle

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