



DUPLEX Series 2000 psi Power Requirements (2 chiller option)

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

Chiller size	Goes with	Voltage	Phase	Full Load Amps from Thermo Fisher manual	Manufacturer recommended connection
Thermo Fisher TF10000 with heater	Extractor side Chiller/Heater	230VAC	3	36.4	Field wired- Thermo Fisher recommends 50Amp dedicated hard wired circuit
Thermo Fisher TF5000 with heater	Separator and Pump side Chiller/Heater	230VAC	1	31.2	Field wired- Thermo Fisher recommends 40Amp dedicated hard wired circuit

*Quantity of 2 of these per Duplex machine as of 9/18/2018

*discontinued use 09/18/2018

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

Air Compressor	Goes with	Voltage	Phase	FLA	Recommended connection
5.5Gal	Duplex 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.

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DC 16.5kW+Chill1 14.3kW+Chill2 7.2kW+Air comp 1.2kW+Controller 0.1kW=39.3kW

**** All voltage for all components of all systems 60Hz****