

PSI Waste Equipment Services, Inc. Fuji Inverter Panel Branch Circuit Requirements

The following information is specific to Fuji inverter panels provided by PSI Waste. Use Class J fuses to meet UL Listing and local code. For other inverter panels please see manufacturer's installation instructions.

Inverters convert incoming 1Ph power to 3Ph power to drive a 3Ph motor. Our inverter panels are UL Listed.

Motor Size	Volts AC	Incoming Power Amp Rating	Use Class J Fuse to Comply with UL Listing. Maximum Size.	Maximum Size Circuit Breaker	③ Minimum Wire Size (Copper, 75°C)	Minimum Size LT
3HP, 1Ph Inverter ①	208/240	24.8	50	50	10	1/2"
5HP, 1Ph Inverter	208/240	42.7	75	75	8	3/4"
7.5HP, 1Ph Inverter ①	208/240	60.7	100	100	6	3/4"
10HP, 1Ph Inverter	208/240	80	150	150	4	1
15HP, 1Ph Inverter	208/240	112	200	175	2	1

① Many machine types that use this size motor also have competing models that use next larger size motor. If possible, on new circuits, we suggest sizing wire and disconnects to accommodate next larger motor. Size fuses and breakers according to actual motor size when equipment is finally selected. Otherwise make sure the machine you order is the horsepower you planned on.

② Breakers or fuses smaller than this may be problematic.

③ Recommended minimum wire size. Use larger size wire on longer runs to reduce voltage drop and improve performance and

The above charts are for informational purposes only. User should consult a licensed electrician to verify all information prior to use. Disconnect should be within 25' AND visible from the power unit. A representative of the equipment provider should be consulted prior to deciding on the disconnect location. Contact equipment@psiwaste.com if you have any questions or to