

Staco E3 Frequency Converter Technical Data Specification

Staco E3 – 30.0kVA Model Specifications are listed below.

Rectifier Input -30kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208Δ	122	DELTA (3W+E)	1/0
208/120Y	119	WYE (3W+N+E)	1/0
220/127Y	112	WYE (3W+N+E)	1/0
380Δ	67	DELTA (3W+E)	4AWG
380/219Y	66	WYE (3W+N+E)	4AWG
400Δ	63	DELTA (3W+E)	4AWG
400/231Y	63	WYE (3W+N+E)	4AWG
480Δ	53	DELTA (3W+E)	4AWG
480/277Y	52	WYE (3W+N+E)	4AWG
600Δ	42	DELTA (3W+E)	6AWG
600/347Y	42	WYE (3W+N+E)	6AWG

Output - 30kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208/120Y	83	WYE (3W+N+E)	2AWG
220/127Y	79	WYE (3W+N+E)	3AWG
380/219Y	46	WYE (3W+N+E)	6AWG
400/231Y	43	WYE (3W+N+E)	6AWG
480/277Y	36	WYE (3W+N+E)	8AWG
600/347Y	29	WYE (3W+N+E)	8AWG

1: Based on 75°C copper wire.

2: Recommended cable sized based on THW cables at 30°C ambient (NEC Table 310.16). If different cables are used or installed at higher ambient, the cable size need to be reviewed

Staco E3 Transformer, Battery, Weights, & BTU Details					
Power (kVA)	Input transformer	Output Transformer	Maximum Weight	BTU/hr	Notes
30	No	No	628	11600	3
	No	Yes	1028	14500	3
	Yes	No	1058	14500	3
	Yes	Yes	1458	17500	3

1. All Weights are in pounds. Additional options may increase weight.