

Staco E3 Frequency Converter Technical Data Specification

Staco E3 – 20.0kVA Model Specifications are listed below.

Rectifier Input -20kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208Δ	81	DELTA (3W+E)	3AWG
208/120Y	79	WYE (3W+N+E)	3AWG
220/127Y	75	WYE (3W+N+E)	3AWG
380Δ	44	DELTA (3W+E)	6AWG
380/219Y	44	WYE (3W+N+E)	6AWG
400Δ	42	DELTA (3W+E)	6AWG
400/231Y	42	WYE (3W+N+E)	6AWG
480Δ	35	DELTA (3W+E)	8AWG
480/277Y	35	WYE (3W+N+E)	8AWG
600Δ	28	DELTA (3W+E)	10AWG
600/347Y	28	WYE (3W+N+E)	10AWG

Output - 20kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208/120Y	56	WYE (3W+N+E)	4AWG
220/127Y	52	WYE (3W+N+E)	4AWG
380/219Y	30	WYE (3W+N+E)	8AWG
400/231Y	29	WYE (3W+N+E)	8AWG
480/277Y	24	WYE (3W+N+E)	10AWG
600/347Y	19	WYE (3W+N+E)	12AWG

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
20	No	No	628	7700	1
	No	Yes	908	9700	1
	Yes	No	908	9700	1
	Yes	Yes	1258	11700	1

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