

Staco E3 Frequency Converter Technical Data Specification

Staco E3 – 40.0kVA Model Specifications are listed below.

Rectifier Input -40kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208Δ	162	DELTA (3W+E)	3/0
208/120Y	158	WYE (3W+N+E)	3/0
220/127Y	150	WYE (3W+N+E)	3/0
380Δ	89	DELTA (3W+E)	2AWG
380/219Y	88	WYE (3W+N+E)	2AWG
400Δ	84	DELTA (3W+E)	2AWG
400/231Y	84	WYE (3W+N+E)	2AWG
480Δ	70	DELTA (3W+E)	3AWG
480/277Y	70	WYE (3W+N+E)	3AWG
600Δ	56	DELTA (3W+E)	4AWG
600/347Y	56	WYE (3W+N+E)	4AWG

Output - 40kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2}
208/120Y	111	WYE (3W+N+E)	1/0
220/127Y	105	WYE (3W+N+E)	1/0
380/219Y	61	WYE (3W+N+E)	4AWG
400/231Y	58	WYE (3W+N+E)	4AWG
480/277Y	48	WYE (3W+N+E)	4AWG
600/347Y	38	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
40	No	No	628	15400	1
	No	Yes	1028	19300	1
	Yes	No	1108	19300	1
	Yes	Yes	1508	23300	1

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