



EEL

Piller Frequency Converter

Description

The Piller APOCONV M units provide a clean 50Hz three-phase supply to our ROSON-ST, even when operating on vessels that use a 60Hz system. These robust and efficient 50/60Hz solid-state frequency converters, can be housed in a compact mini container for added protection, ensure high reliability and optimal performance. With features like paralleling capability, microprocessor control, and a compact footprint, they are ideal marine power systems requiring consistent frequency conversion.





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Key data

Make	Piller Power Systems
Model	APOCONV M
Input power	55 kVA
Nominal voltage 3-ph	380 – 440 V, 441 – 480 V
Nominal frequency	50/60 Hz $\pm 5\%$
Input current at 380 V	82.5 A
Input current at 400 V	71 A
Input current at 480 V	64.3 A
Output power (pf 0.9)	50 kVA
Waveform	Sinusoidal
Audible noise	<68 dB (A)
Output frequency	50 Hz $\pm 0.1\%$
Total efficiency at 380 V pf 1.0	93.0
Losses at 380 V pf 1.0	3.8 kW
Humidity	Max. 95% (without condensation)
Dimensions	74.1 x 70.9 x 131 cm
Weight	525 kg