

# Phase Quest Converters Co.

Generating True 3-Phase Power

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## General Specifications

<b>Horsepower (HP)</b>	40
<b>Kilowatts (KW)</b>	29.8
<b>Voltage Range (Volts)</b>	208-250
<b>Type</b>	All Purpose/CNC
<b>Approx. ship weight (LB)</b>	
Total	407
Panel	47
Idler	367
<b>Dimensions (inches)</b>	
Total (LxWxH)	31x24x32
Panel (LxWxH)	18x18x6
Idler (Diameter x Length)	15.75x24.5
<b>Shipping Class</b>	65
<b>Idler Frame Size</b>	324T
<b>Idler Type</b>	ODP
<b>Enclosure (upgradeable)</b>	NEMA 1
<b>Enclosure Color</b>	ANSI 91 gray
<b>Audible noise 5 Ft (db)</b>	Call
<b>Start switch (volts)</b>	240
<b>Start Switch (amps)</b>	2
<b>Starting time (sec)</b>	<1
<b>Panel mounting</b>	wall
<b>Idler mounting</b>	NEMA 324T

## 3-Phase Specifications

<b>Output Volts (T1 &amp; T2)</b>	Input volts +/- 0.5%
<b>Phase Shift</b>	120°
<b>AC frequency (hertz)</b>	=input (50 or 60)
<b>Rotor RPM</b>	1800
<b>Output Currents (amps)</b>	
Maximum	99
Continuous	74
5% voltage balance	59
10% voltage balance	79
Starting	
<b>Wire Sizing (amps)</b>	
Panel Idler (gauge)	#2
Panel to load (gauge)	#2

## 1-Phase Specifications

<b>Input Volts (L1 &amp; L2)</b>	208-250 volts
<b>AC frequency (hertz)</b>	50 or 60
<b>Minimum circuit (amps)</b>	60
<b>Maximum circuit (amps)</b>	200
<b>Approx. Idler Power (kw)</b>	3.31
<b>\$ to run (\$0.10/kWhr)</b>	\$.331
<b>Wire Sizing (amps)</b>	
Source to panel (gauge)	00 00 gauge

Model OMPQ-40



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