

PHASE



OMEGA



SINGLE-PHASE INPUT & OUTPUT | 120 V & 240 V
NEMA 3R OUTDOOR ENCLOSURE | 1/3-2 HP



Physical / Environmental

Operating Temperature Range	-18 °C – 50 °C (0 °F – 122°F) *Heater in enclosure is required below -18 °C and 0 °F, de-rating required above 40 °C
Storage Temperature Range	-25 °C to 74 °C (-13 °F to 165 °F)
Enclosure	NEMA Type 3R: Outdoor Rainproof
Altitude	Derate by 5 °C every 2000 ft over 5500 ft of elevation

Input Power

Input Phase	Single-Phase
Input Voltage	120 240 VAC
Input Voltage Range	90 V to 160 V 180 V to 260 V
Max Input Current	24 A
Input Frequency	60 Hz

Output Power

Output Phase	Single-Phase
Output Voltage	Equal to Input
Output Frequency	5 Hz – 120 Hz
Horsepower	1/3 HP - 2HP
Max Output Current	14 A
Output Power	1.5 kW
Switching Frequency	2 kHz – 8 kHz
Output	V/f control

Electrical

Short Circuit Withstand Rating	25 kA RMS Symmetrical Amps
Efficiency	> 98%
Startup Ramp Time	1 – 120 s
Shutdown Ramp Time	1 – 120 s or Coast to Stop
Overload Capacity	150% for 2s



Analog Inputs

Quantity	(3) Programmable
Current Reference	4-20 mA, (2) Inputs
Voltage Reference	0 to 10 VDC, (1) Input
Terminal Block Size	26 to 16 AWG

Digital Inputs

Quantity	(2) Programmable
Ratings	< 5 V, galvanically isolated
Terminal Block Size	26 - 16 AWG

Relay Outputs

Quantity	(2) Programmable
Ratings	30 VDC or 277 VAC, 10 A Relay
Terminal Block Size	26 - 16 AWG



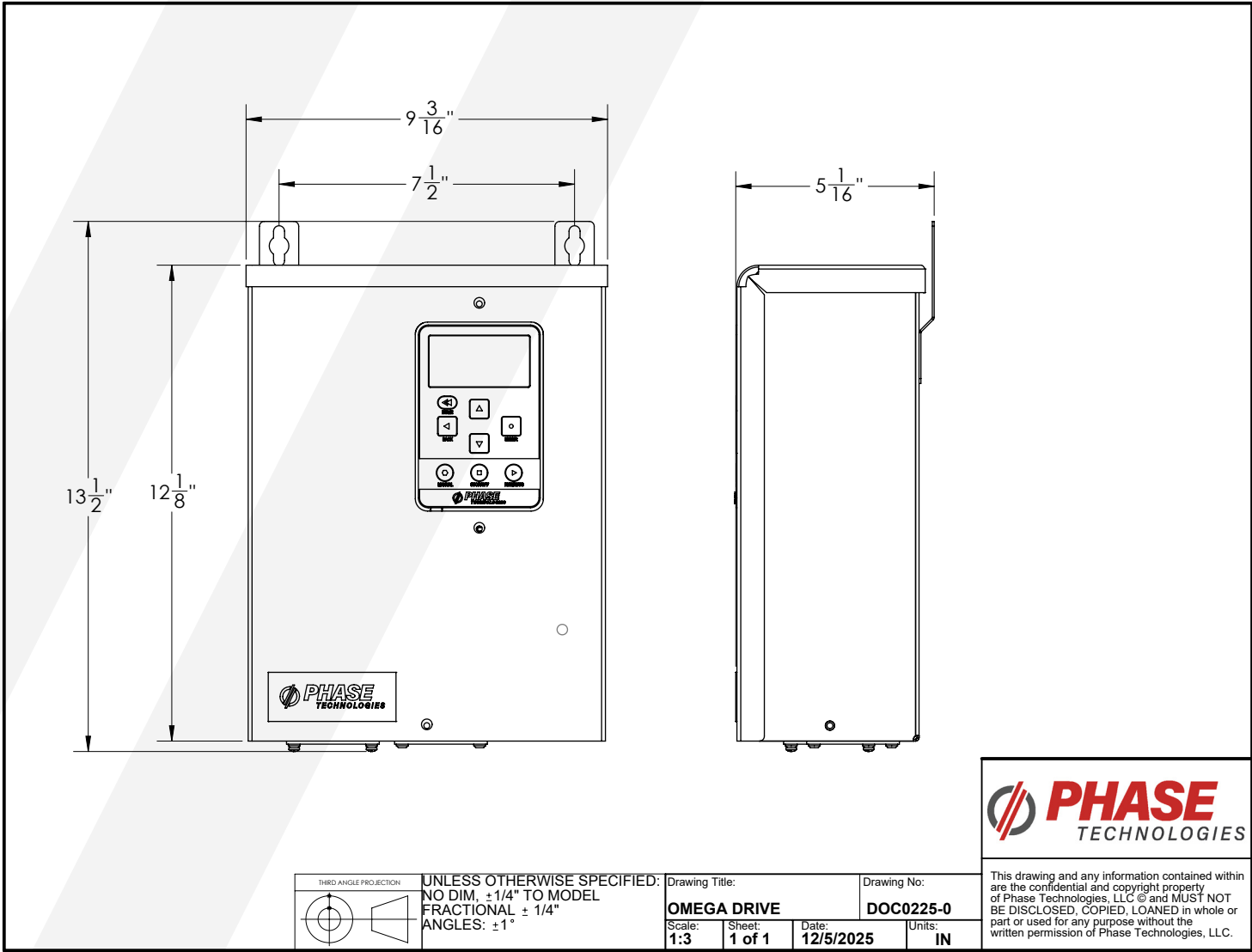
120 V & 240 V

120 V / 240 V

Motor Horsepower	Rated Output Current	Voltage	Motor Type	Temperature Rating
1/3 - 2 HP	14 A	90 V - 260 V	Single-Phase	50°C (122°F)



Omega Drive 1/3 - 2 HP



INTUITIVELY ENGINEERED



**DIGITAL PHASE
CONVERTERS**

**VARIABLE
FREQUENCY
DRIVES**

**MOTOR
PROTECTION**

**SOFT
STARTER**

**508A
PANEL
SHOP**

OUR MISSION

Relentlessly seek to provide Uncommon Value, solutions, innovation, and support for the industries that we serve.

