ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Parker / Compumotor OEM300* at our website: *Click HERE*

OEM 300



and CE (LVD)

OEM Power Supply

The OEM300 Power Module is optimized to provide power for a number of Compumotor OEM Series drives and drive/controllers. The total number of drives is limited by total power demand.

The OEM300 Power Module can operate at 120VAC or 240VAC, at 50/60 Hz. The input voltage is selected by using a jumper on the input terminals. The voltage output of the OEM300 is fixed at 75VDC. It can produce 2.7A continuous and 4.0A peak, and provides power for drive and motors. The OEM300 Power Module contains over-temperature, short circuit protection, internal power dump and overvoltage circuits to provide protection for the Power Module and the equipment it powers.

The OEM300 Power Module is compact. It occupies the space of two OEM drives, and mounts similarly to the drives. Its small footprint conserves space in equipment cabinets. For power supply cooling, the OEM300 uses a heatplate design for efficent heat transfer.

Features

Performance

- Provides power to OEM Series drive and drive/controllers
- Operates at 120 or 240 VAC, 50/60 Hz
- Robust metal frame design
- 2.7A continuous, 4A peak
- Regulated output

Protection

- Over-temperature, over-voltage, and short circuit protection
- Internal power dump circuit to dissipate regenerated power from drive

How Much Power Do I Need?

Motor Size (@75VDC) Size 23		Peak Motor Current	Motor Heat + Avg. Shaft Power	Drive Heat	Supply Total**
OS2HA S	(OEM57-40 S)	2.65A	56 Watts	9 Watts	65 Watts
OS2HA P	(OEM57-40 P)	5.3A	56 Watts	19 Watts	75 Watts
OS21A S	(OEM57-51 S)	3.3A	75 Watts	11 Watts	86 Watts
OS21A P	(OEM57-51 P)	6.6A	75 Watts	25 Watts	100 Watts
OS22A S	(OEM57-83 S)	3.8A	86 Watts	13 Watts	99 Watts
OS22A P	(OEM57-83 P)	7.5A	86 Watts	31 Watts	117 Watts
Size 34					
RS31B P	(OEM83-62)*	4.4A	113 Watts	15 Watts	128 Watts
RS32B P	(OEM83-93)*	5.6A	133 Watts	20 Watts	153 Watts
RS33B P	(OEM83-135)*	6.9A	155 Watts	27 Watts	182 Watts

S: Series Configuration P: Parallel Configuration

* OEM83 motors are wired internally in parallel

** User must supply this level of wattage

The OEM300 and OEM1000 are each capable of controlling multiple units of the OEM750 or the OEM670/OEM675. The correct sizing of the power supply requires calculation of the peak and average power requirements for each axis of motion.

Servo Systems power demands are typically more dynamic and require calculation to choose the correct power supply. The User Guides for the OEM750 and the OEM670/675 offer complete procedures for selecting the correct power supply. Please contact your ATC or Compumotor's Application Department at 1-800-358-9070 to help calculate your power requirements or download the User Guides from www.compumotor.com.

Quality Products Designed and Priced for OEMs and High-Volume Users. Call 1-800-358-9070.

Parker Automation
Parker Hannifin Corporation
Compumotor Division
Rohnert Park, California

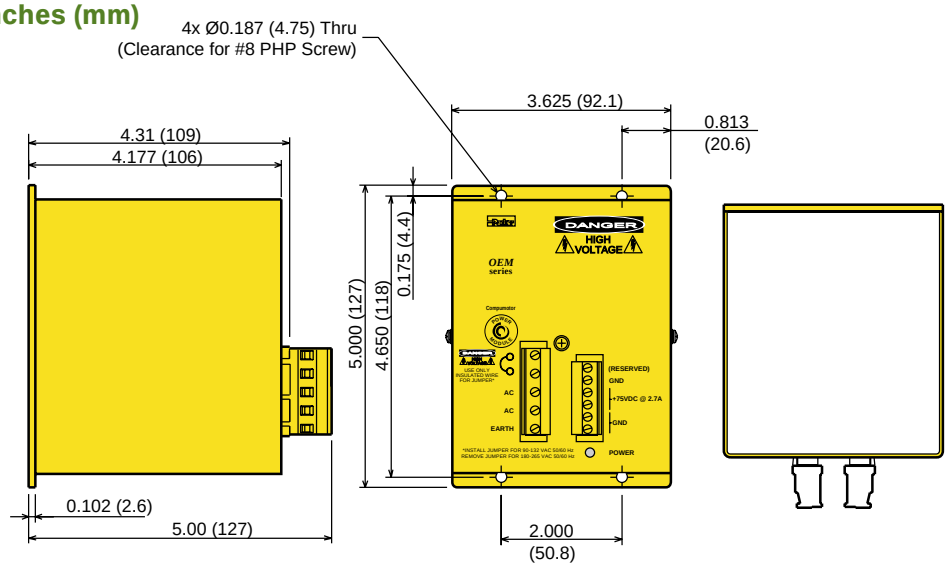
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

OEM300 Specifications

Parameter	Value
AC Inputs	
Low Range: jumper installed	90 VAC to 132 VAC
High Range: jumper removed	180 VAC to 265 VAC
Forbidden Range:	132 VAC to 180 VAC
Input Filter	The power module has a line filter at the AC input that minimizes noise energy sent out to the power line.
Inrush Current	The power module has an initial power up current limiter.
Input limit:	40A max inrush current
DC Outputs	
Voltage	75 VDC ±5% (fixed; not adjustable)
Current	2.7A at 75 VDC continuous current; 4.0A at 75 VDC peak current
Power	200 W continuous; 300 W peak—30 sec max at peak, 10% duty cycle at max (Example: 30 sec at 300W, followed by a minimum of 270 sec at 200 W or less)
Grounds	Output grounds are internally connected to each other, to the AC input ground (labeled EARTH), and to the cover of the OEM300.
Voltage Regulation	±5% max
Efficiency	A minimum of 80% efficiency at full output load
Over-temperature Protection	Will shut down if heatplate reaches 60°C (140°F). This is a latched condition. To resume normal operations, turn off AC power, cool the power module below 30°C (86°F) and then turn on AC power.
Power Dump	This circuit can dissipate excess energy from load regeneration conditions.
Threshold Voltage:	85 VDC ±3 VDC
Average Power Dissipation Rate:	8 watts
Peak Power Dissipation Rate:	722.5 watts
Short-Circuit Protection	Powers down the 75 VDC output if there is a short circuit in output cables or drives. This is a latched condition. Cycle AC power to resume normal operations.
If short circuit 9 amps	Response time is immediate (output shuts down)
If short circuit 6 amps	Responds in 3 sec
Overvoltage Protection	The output overvoltage protection circuit shuts down the power module if the power dump stays on continuously for more than one-half second. This is a latched condition. Correct the problem, then cycle AC power to resume normal operations.
Operating Temperatures	
Max Ambient: Still Air	35°C (95°F) with a 200 W load; 40°C (104°F) with a 170 W load
Max Ambient: Moving Air	45°C (113°F) with a 200 W load; 50°C (122°F) with a 170 W load
Max Heatplate Temperature	60°C (140°F)
Min Ambient Temperature	0°C (32°F)

OEM300 Power Module Dimensions

Dimensions in inches (mm)



Parker Automation
Parker Hannifin Corporation
Compumotor Division
Rohnert Park, California

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP