EMP
POWERING THE FUTURE

OP40
BRUSHLESS DC ELECTRIC OIL PUMP

ADVANCED TECHNOLOGY FOR OIL MANAGEMENT APPLICATIONS

- Fully Controllable or Single Speed
- High Efficiency
- Robust Long Life
- Brushless, Sensorless Motor with Integrated Drive Controller
- IP69K Rating for Sealability
- 12 or 24 Volt
- Serviceable
- Customizable

APPLICATIONS

- Lubrication • Cooling • Hybrids
- Oil Scavenge • Oil Change
- Engine Parasitics • By-Pass Filtration

MARKETS

- On-Highway • Off-Highway • Hybrid
- Construction • Forestry • Marine • Military
- Agriculture • Specialty • Power Generation

emp-corp.com | productinfo@emp-corp.com | (906) 789-7497
2701 N. 30th Street
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PUMP SPECIFICATIONS
- Gerotor Pumping Technology
- All Cast Aluminum Outer Housings
- Flow Capacity Up To 4.0 Gal/Min
- Attainable Pressure Up To 100 PSI
- Self-Priming
- Operating Range: -40 to 100°C *
- Storage Temperature Range: -50 to 125°C
- 9.5 lbs.
- 7.0" x 5.5" x 5.5"
- (2) Suction and (2) Discharge Ports, SAE-ORB Size - 8 (3/4-16 UNF-2b)
- (4) M8x1.25-6H Threaded Mounting Holes
- Fluid Type (Light to medium oils - customizable)

*Sub-zero operation will be application dependent

OIL PERFORMANCE MAP
Flow Capacity vs. Power Consumption, Synthetic ATF @ 100°C - 28 VDC

Pump Performance Map
- Model GP40 - 100°C - 28 VDC - Dexron VI
- 5500 RPM
- 5000 RPM
- 4500 RPM
- 4000 RPM
- 3500 RPM
- 3000 RPM
- 2500 RPM
- 2000 RPM
- 1500 RPM
- 1000 RPM
- 10 PSI
- 4 PSI
- 2 PSI
- 1 PSI
- 0 PSI

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