



Multi-Circuit Modular Electric Pump eWOP 960 With Integrated Control



Performances & Features:

- Oil Section up to 16.5 L/min
- Max. Pressure 60 bar
- Coolant Section up to 60 (80) L/min
- Speed Control CAN or PWM or on/off
- Multiple Feedback Available
- Actively Cooled Electric Motor
- Supports Face-Mount and Hose Connection
- 24 VDC



What sets us apart:

- Multi-Fluid, Multi-Circuit electric pump
- Two Fully Independent Oil Pumps and One Coolant Pump
- Separation of Functions Within the Oil Pump: One Circuit for Combined Lubrication and Cooling, the Other for Hydraulic Actuation
- Robust All-Metal Housing: Resistant to Vibration, Heat, and Contaminants
- Configurable Flow Rates to Match Application Requirements

1. Performance data

Electric specifications

Nominal Supply Voltage	24 Vdc at Power Connector	Minimum voltage at which full power and speed is obtainable
Operating Voltage	18-32 Vdc	
Nominal Current	40 Amp (46 Amp max)	
Nominal Power	960 W	
Regulated Speed	500 – 4700 rpm	
Control PWM Signal	Pulled to ground (inverted logic)	
	20 – 300 (500) Hz recommended PWM Frequency	
	Pump Start: 15% Duty Cycle (500 rpm) Max Speed: 85% Duty Cycle (4700 rpm) Torque Mode: 90% Duty for 30 s Pump Stop: 6% Duty Cycle	
IP rating	IP68	
Connectors:	Power Connector: Tyco 1544334	Signal Connector: Deutsch DTM04-6P
	Note: Connector Counterparts available upon request	

Oil section 1

Flow Sizes	3.5 – 7.0 – 9.4 – 11.8 – 14.0 – 16.5 L/min @ 4700 rpm and 2 bar Δ p (Higher Flow Rates Available Upon Request)
Max pressure	20 bar
Oil Temperature	- 40°C to + 100°C
Kinematic Viscosity	7 mm ² /s to 2000 mm ² /s

Oil section 2

Flow Sizes	3.5 – 7.0 – 9.4 – 11.8 – 14.0 – 16.5 L/min @ 4700 rpm and 2 bar Δ p (Higher Flow Rates Available Upon Request)
Max pressure	20 bar (60 bar with 3.5 L/min section and @ 40 mm ² /s)
Oil Temperature and Kinematic Viscosity	- 40°C to + 100°C (+120°C with reduced performances) 7 mm ² /s to mm ² /s

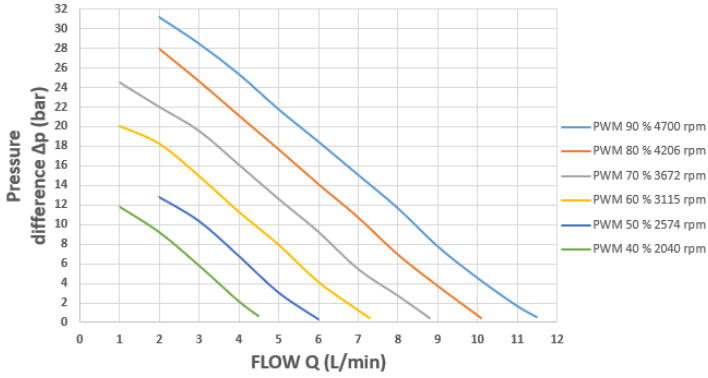
Water (Coolant) section

Flow Sizes	30 – 45 – 60 (80) L/min @ min. 1 bar (Higher Flow Rates Available upon Request)
Max pressure	2 bar

** For performance data at different conditions please contact us directly

Gear pump section 10 mm, 2,8 ccm Performance Chart, 60°C

(The efficiencies shown represent the ratio of pump mechanical power to hydraulic output power.)



Q75 Impeller Performance Chart (75 L/min @ 1 bar Δp) 2,5 mm impeller height

