

DATASHEET

eCP80 - 24V Electric Water Pump



Turntide’s eCP80 24V is an electrically powered centrifugal pump, configured for use with a 24V DC power supply using CAN bus or PWM communication. Supplied with cast aluminium housings, the pump is suitable for a wide range of on and off-road applications.



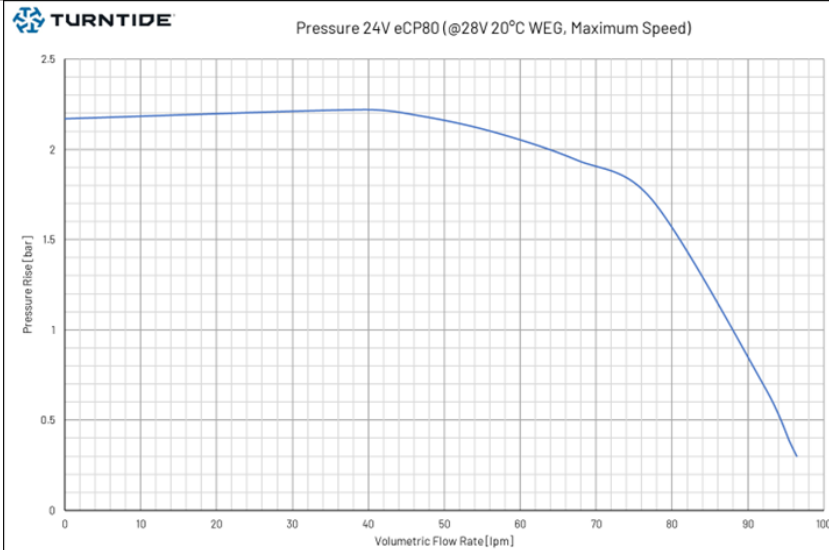
Features

- Pump family tested against ISO16750 Environmental test standards
- Integrated motor controller provides variable speed control
- CAN (SAE J1939 compatible) or PWM* input
- Electrical connector / coolant outlet orientation options available
- Fault reporting
- Integrated power electronics
- Compliant to ECE R10
- Delay shutdown function

Specifications

Characteristics			
Pump Type	Sealless Centrifugal Impeller	Best Efficiency Point (BEP)	72 lpm @ 1.85 bar static pressure rise
Min Operating Temp	-30°C**	Max Operating Temp	+75°C**
Min Storage Temp	-40°C**	Max Storage Temp	+85°C**
Fluid Connection	1" Hose Barb	Housing Material	Cast Aluminium LM6
IP Rating	IP6k9k	Weight	3.02 kg
Interface			
Control	CAN (SAE J1939 compatible) PWM*	Connector	AMP MCP LEVYSEAL sealed connector 1534238-1
Electrical			
Rated Voltage	16-32 V	Max Current	19 A***
Input DC Power	532 W***		

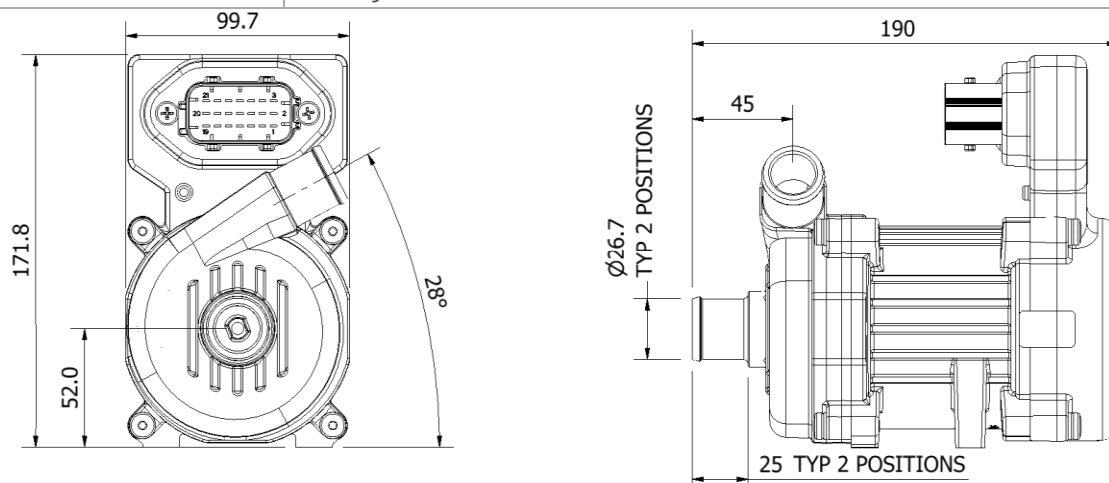
Hydraulic



Weight and Dimensions

Weight

3.02 kg



* For limited functionality

** Product family tested to ISO16750-4 for operating and storage temps

***Measured at 28 V

For further information please contact our team of experts at
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TURNTIDE TECHNOLOGIES

Our breakthrough technologies accelerate electrification and sustainable operations for energy-intensive industries

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