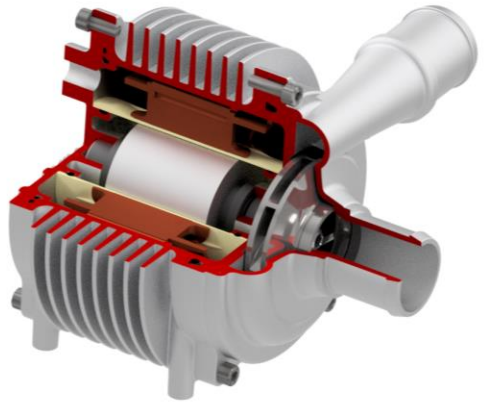
Kelvin Electronic Coolant Pump

WP800 / WP4500 / WP6500 · Brushless DC Pump for Thermal Management Systems

Pump Model	WP800	WP4500	WP6500
Flow Rate @ 28 m Head	80 L/min	450 L/min	**650 L/min**
Motor Input Voltage	318 VAC – 552 VAC		
DC Drive Supply Voltage	450 – 1050 VDC (Rated 850 VDC)		
Power Consumption @ 6500 rpm	≤ 1.5 kW	≤ 4.5 kW	≤ 6.5 kW
Insulation Resistance	≥ 100 MΩ @ 1000 VDC / 10 s		
Dielectric Strength	≤ 1 mA @ 3200 VDC / 60 s		
Working Medium	50% Ethylene Glycol & Water		
Operating Temperature Range	-40 °C ~ 60 °C		
Storage Temperature / Humidity	-40 °C ~ 85 °C / 5% ~ 95% RH		
IP Grade	IP67		
Max. Altitude	5,000 m		



High-Efficiency BLDC Motor

Up to 6,500 rpm speed range, compact footprint

Wide Operating Envelope

-40 °C to 85 °C medium, up to 5,000 m altitude

Medium-Cooled & Reliable

50% ethylene glycol, High IP-grade and Corrosion protection grade design