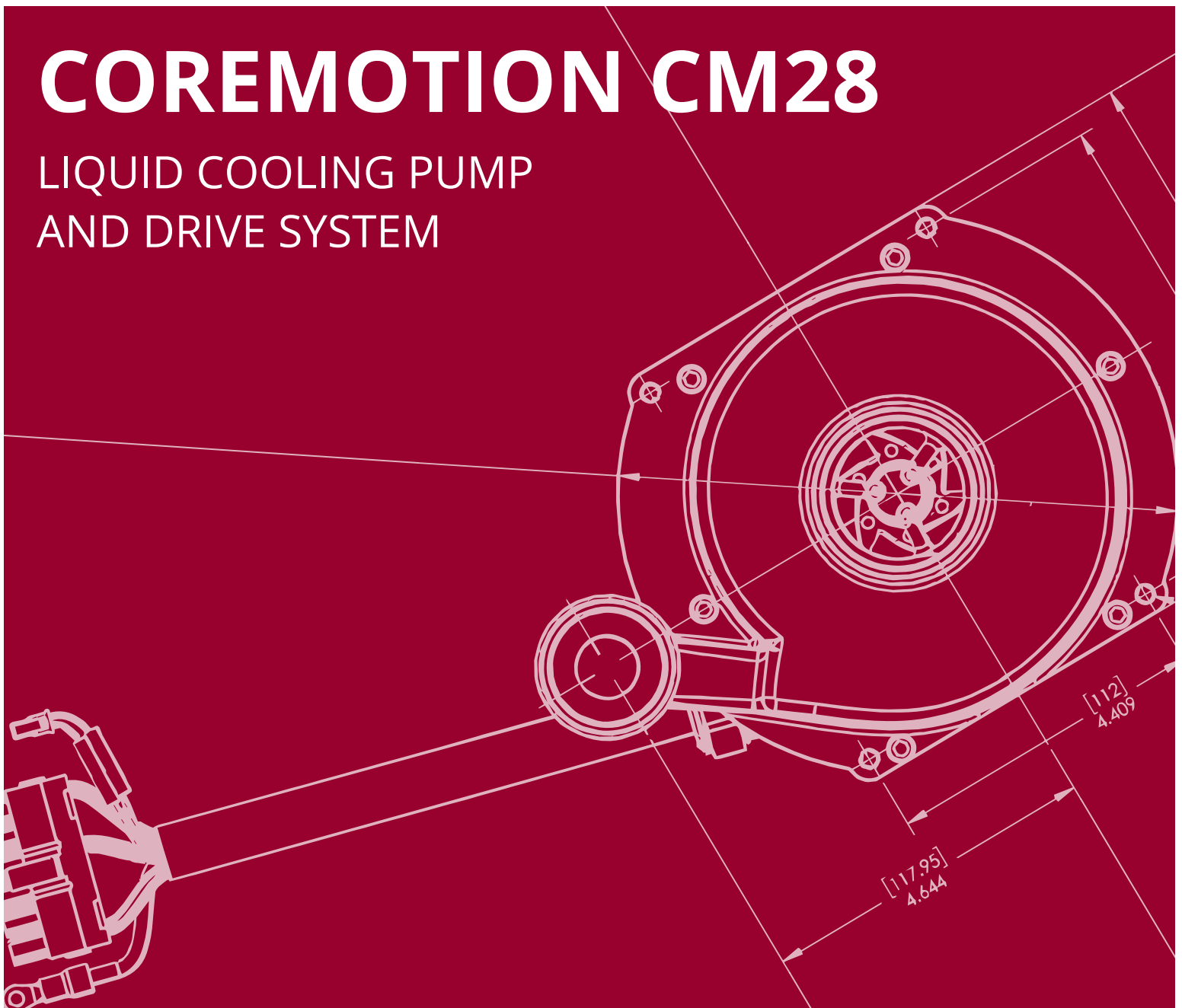


COREMOTION CM28

LIQUID COOLING PUMP
AND DRIVE SYSTEM



October 2026

COOLING AT THE CORE.



COOLING AT THE CORE.

CoreMotion combines advanced sealless architecture, integrated drive technology, and unmatched operational continuity, efficiency, and long-term reliability, enabling next-generation cooling systems to support the rapidly growing demands of AI and high-density computing workloads.

CM28 High-Performance Liquid Cooling Pump and Drive System is engineered to meet the increasing thermal demands of highdensity data centers while maximizing power utilization effectiveness (PUE). The CM28 is the most compact pump on the market, delivering one of the industry's highest power-to-size ratios and enabling greater cooling capacity within a standard 4U CDU footprint.

FEATURES:

Integrated Motor-Pump Design

Eliminates mechanical seals, couplings, and associated wear points, reducing leak paths and failure modes while improving overall system reliability, long-term performance, and maintenance requirements.

99.99% Uptime with Maintenance-Free Operation

Engineered for continuous operation with no routine seal maintenance, delivering extended service life, minimized downtime, and increased system availability for mission-critical cooling applications.

Compact Footprint Optimized for High-Density Racks

At approximately 2/3 the size of conventional DCC pumps, the compact design frees valuable rack space for additional heat exchangers and simplifies installation in dense data center environments.

Higher Cooling Capacity and Compute Density

Reduced pump footprint enables more heat exchangers per rack, supporting greater cooling capacity, increased server density, and higher compute power within the same data center floor space without sacrificing performance.

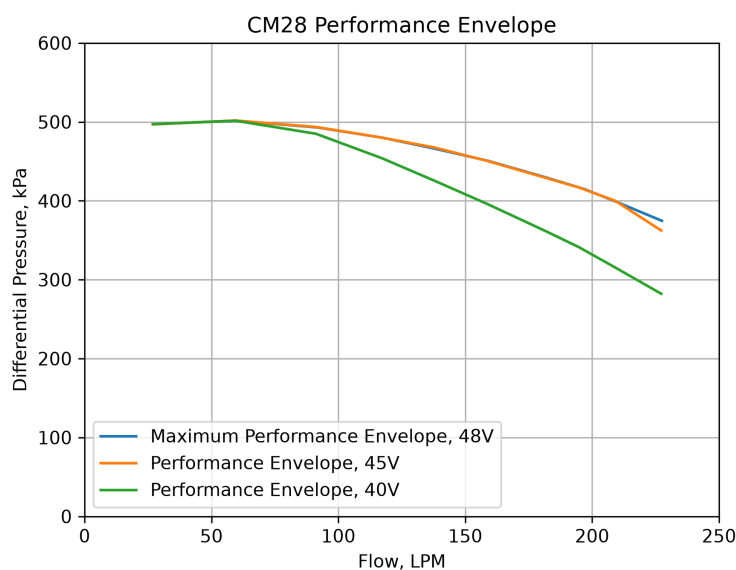


Model CM28 Designed for 4U CDU Footprint

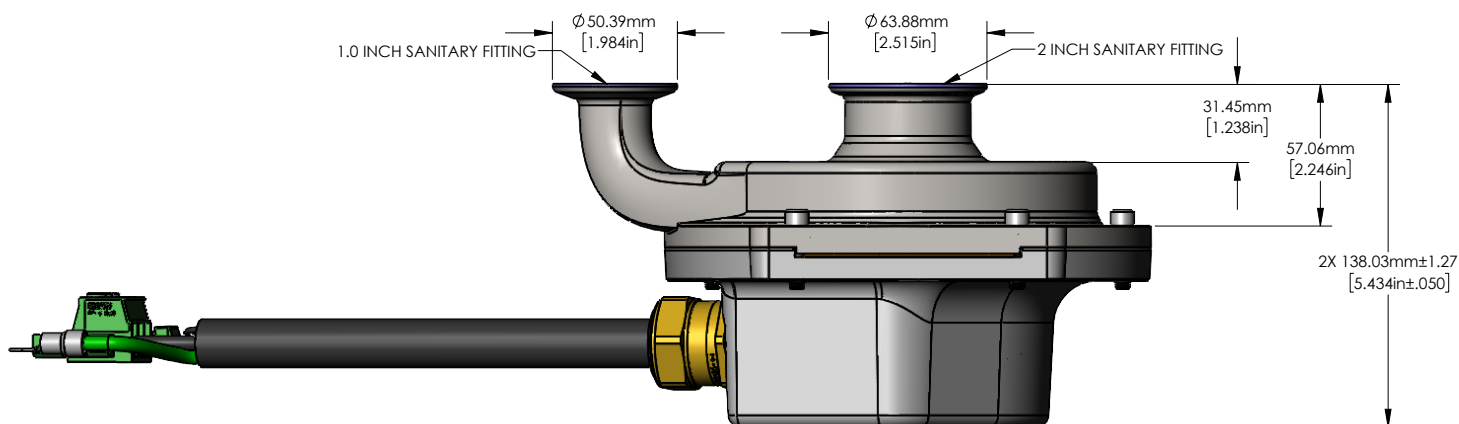
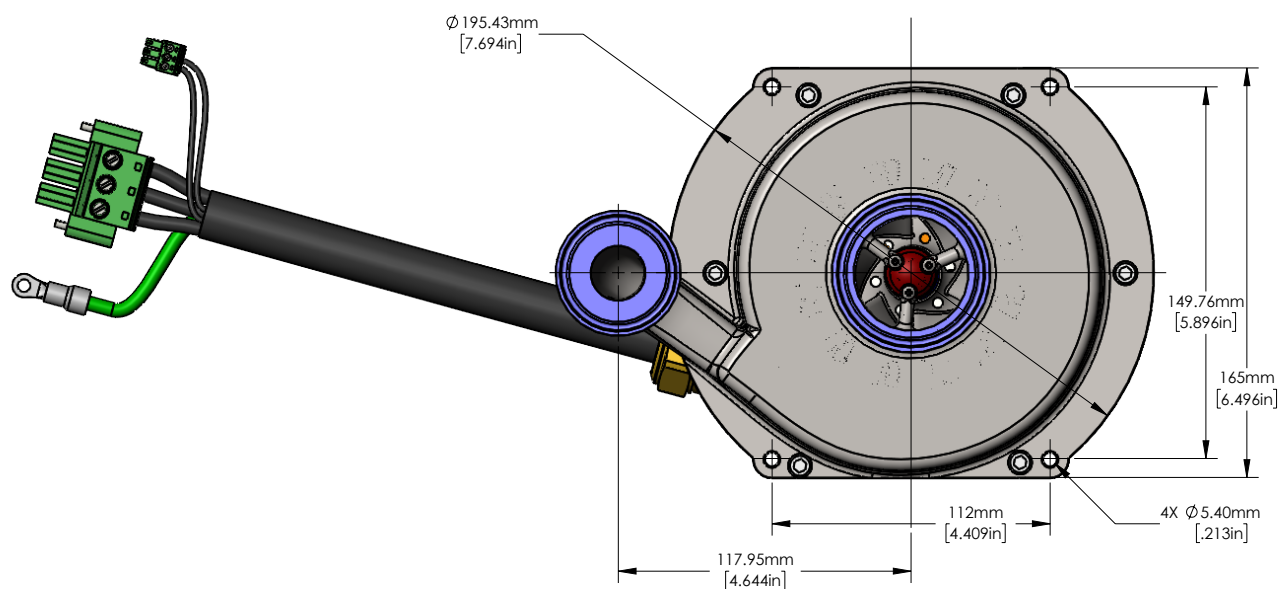
SPECIFICATIONS FOR MODEL CM28

TECHNICAL DATA FOR PUMP

CHARACTERISTIC	PERFORMANCE
Input Voltage	45 - 55 VDC
Power	2.8 kW
Variable Speed	450 - 4500 rpm
Thermal Safety	Thermistor-Controlled
Certification	UL 62368
Flow Rate	210 LPM (55.5 GPM)
Differential Pressure	500 kPa (72.5 PSI)
Pump Mass	7.7 kg (17 lbm)
Fluids	Water, Propylene Glycol



TYPICAL PUMP OUTLINE DRAWING

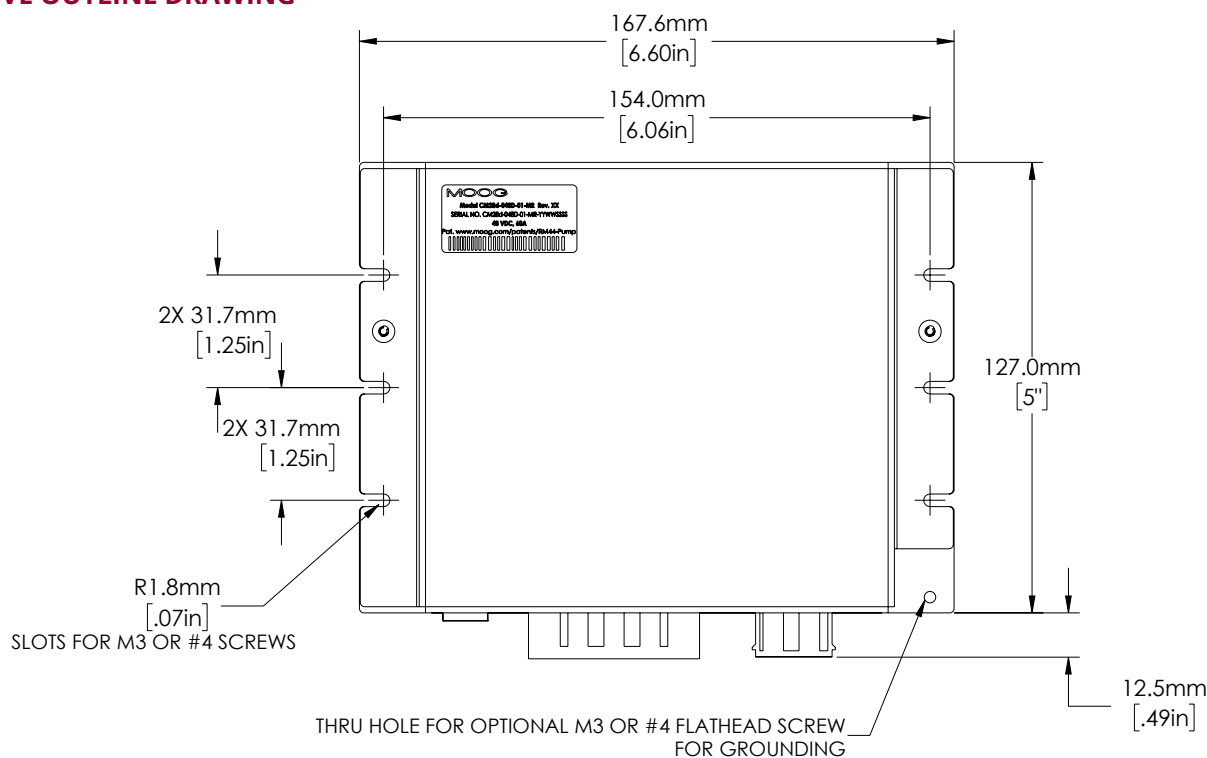


SPECIFICATIONS FOR MODEL CM28

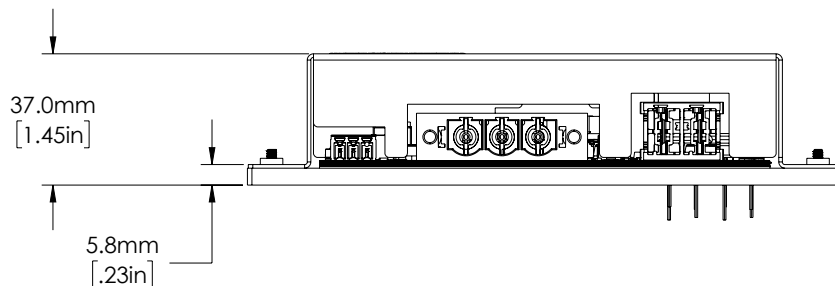
TECHNICAL DATA FOR DRIVE

DRIVE CHARACTERISTIC	PERFORMANCE
Input Voltage	48 VDC
Integrated Protections	Overcurrent, overvoltage, thermal
Drive Mass	0.5 kg (1.1 lbm)
Control Interface	MODBUS RTU control interface (other options available)

TYPICAL DRIVE OUTLINE DRAWING



Dimensions in millimeters [inches]



For product information, visit www.moog.com/cooling-pumps

For more information or the office nearest you, contact us online, em-motioncontrol@moog.com

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MCM/Rev. A, October 2026, Id. CDL69562-en

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