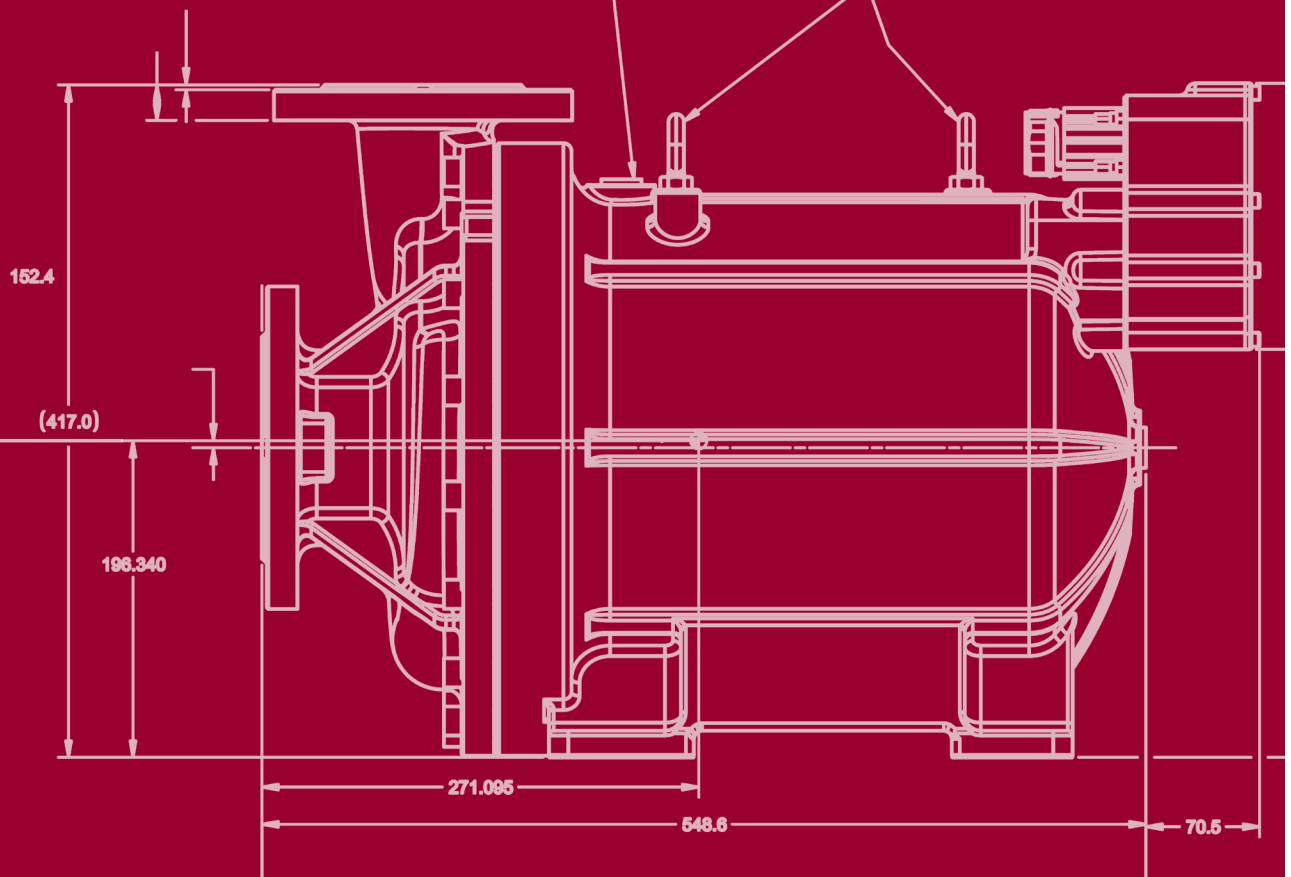


COREMOTION CM400

LIQUID COOLING PUMP
AND DRIVE SYSTEM



October 2026

COOLING AT THE CORE.



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Moog CoreMotion combines advanced sealless architecture and integrated drive technology to deliver exceptional operational continuity, efficiency, and long-term reliability. Designed for next-generation liquid cooling systems, CoreMotion helps meet the rapidly growing thermal demands of AI and high-density computing workloads.

The CM400 CoreMotion Pump delivers high-performance liquid cooling in a compact, integrated design. ***Designed based on Google Deschutes 5.0 CDU specification*** and engineered for long lasting reliability against demanding data center applications. The CM400 provides the cooling capacity, efficiency, and reliability needed to support increasing compute density while minimizing maintenance and downtime.

FEATURES:

Long-Life Reliability

Seal-less integrated motor and pump design reduces wear and maintenance while supporting 15+ years of continuous operation.

High-Efficiency Performance

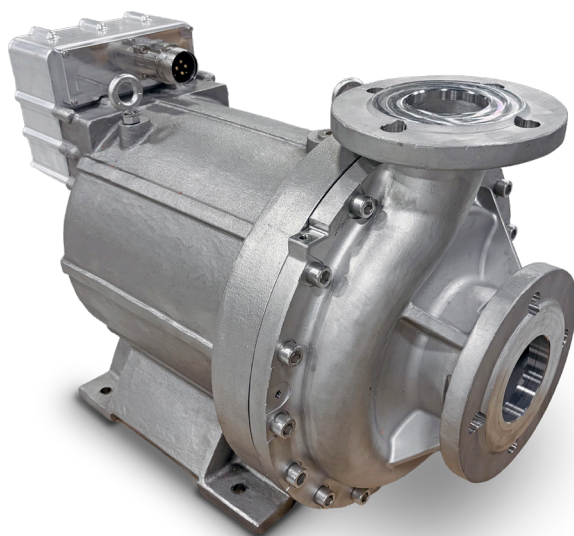
PMSM motor technology delivers approximately 20% higher efficiency than induction motors, reducing power consumption and operating costs.

Compact, High-Density Design

Approximately 2/3 the size of comparable DCC pumps, freeing valuable rack space for increased cooling and compute density.

Scalable and Ready to Integrate

Rapid volume scalability with qualification support helps meet accelerated production demands while providing a reliable, qualified second-source solution.

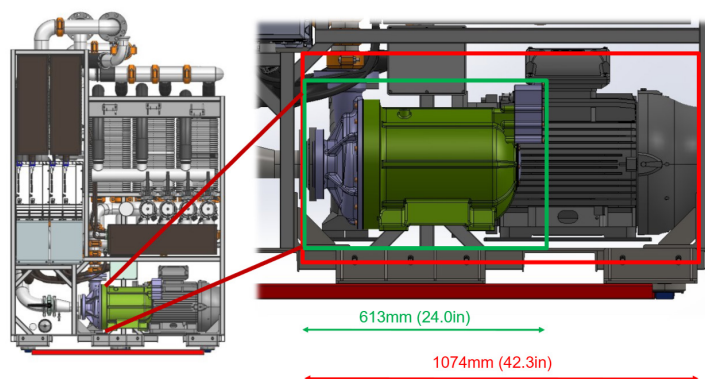


***Designed for 4U Deschutes
5th Generation CDU Footprint***

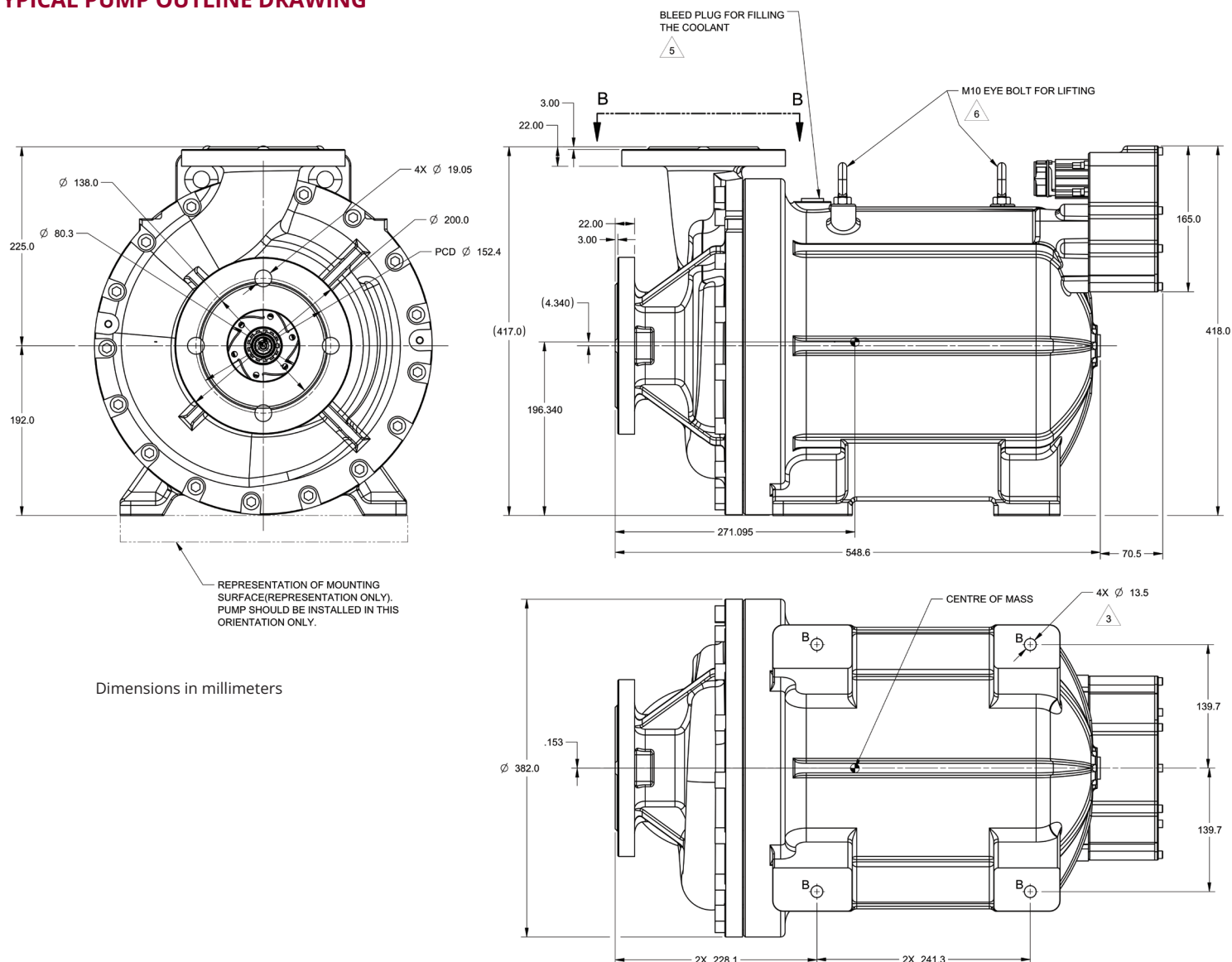
SPECIFICATIONS FOR MODEL CM400

TECHNICAL DATA FOR PUMP

CHARACTERISTIC	PERFORMANCE
Input Voltage	45 - 55 VDC
Power	45 kW
Variable Speed	800 - 4200 rpm
Thermal Safety	Thermistor-Controlled
Certification	UL 62368
Flow Rate	1900 LPM (500 GPM)
Differential Pressure	772 kPa (112 PSI)
Pump Mass	206 kg (454 lbm)
Fluids	Water, Propylene Glycol



TYPICAL PUMP OUTLINE DRAWING

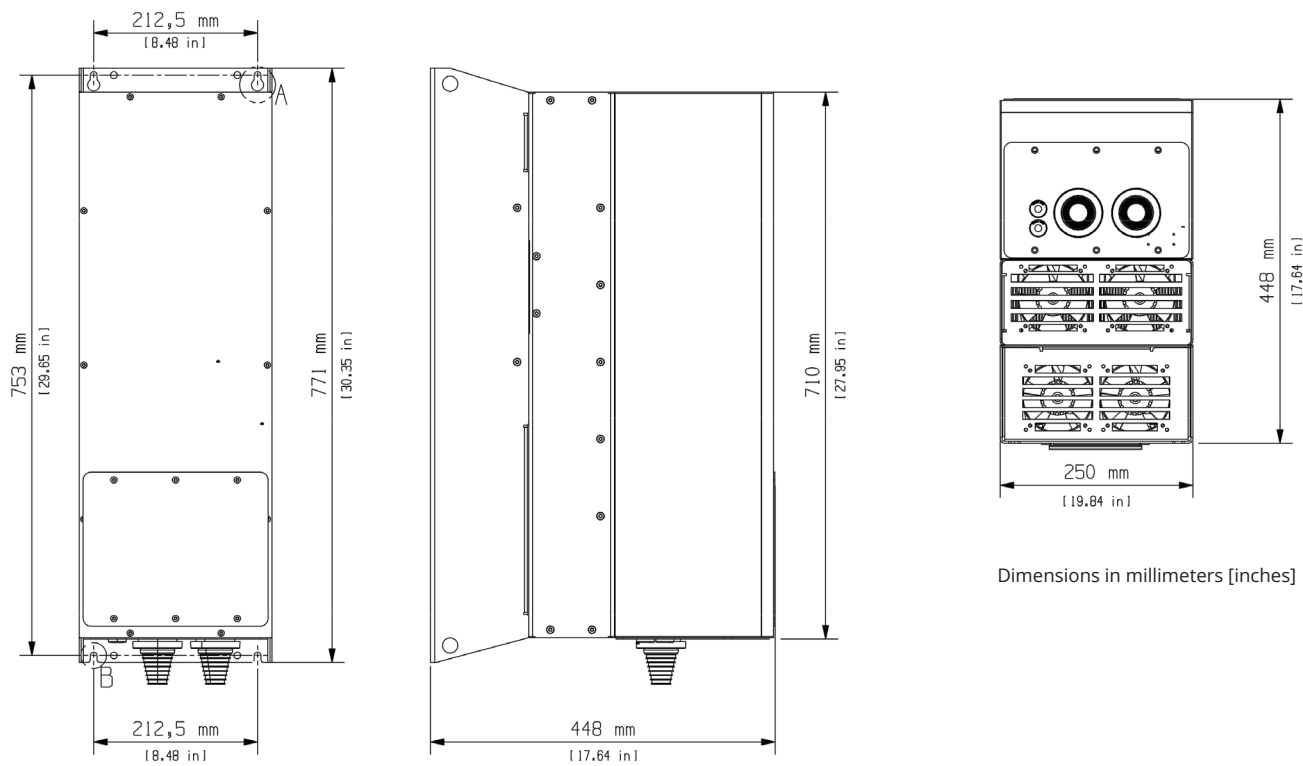


SPECIFICATIONS FOR MODEL CM400

TECHNICAL DATA FOR ULTRA LOW HARMONIC (ULH) DRIVE

DRIVE CHARACTERISTIC	PERFORMANCE
Input Voltage Range	380 - 480 VAC
Output Power Rating	45 kW
Continuous Output Current	80 ARMS
Control Interface	Modbus RTU
Ingress Protection	IP55 / NEMA 12
Weight	65 kg (143 lbm)

TYPICAL DRIVE OUTLINE DRAWING



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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Moog High Performance Cooling Pump and Drive System CM400 Technical Data Sheet
MCM/Rev. -, October 2026, Id. CDL69733-en