



Technical Details

Designed to Cool:	Orion 1.5T (standard gradient only) Fortian 1.5T	
Refrigerant:	R454B	
Pump Capacity:	100 LPM @ 38 psi delta	
Coolant:	Clean, potable distilled water 35% lab-grade glycol mixture	
Reservoir Volume:	25 gallons	95 liters
Electrical:	460V-3Ø-60Hz	
Voltage Tolerance:	±10%	
Min. Circuit Ampacity:	41.8 A	
Max. Overcurrent Protection:	60 A	
Connections:	1-½" FNPT	
Shipping Weight:	1,200 lbs	544 kg

Features

- Hermetically sealed scroll compressor
- Variable speed fan for less noise & improved reliability
- Vertical air discharge through microchannel condensers
- E-coated condensers for corrosion resistance
- Multi-stage stainless steel centrifugal pump
- Closed loop design w/ non-ferrous wetted components
- Control circuit breaker in lieu of fuses
- IP65 standard electrical box
- PLC controller with alarm descriptions and logging
- Powder-coated galvanized metal frame and enclosure
- Factory tested under load
- Factory performance testing includes high ambient test, UL rain test, and dielectric-voltage test

Customizations

- Remote monitoring via cellular connection
- Sensors to monitor additional critical operating parameters

Certifications

- cETLus label per UL and CSA specifications
- Seismic certification (OSHPD)

Ambient Air Conditions

Temperature Range: -30°F to +120°F -34°C to +49°C
Air Discharge: Vertical
Condensers treated for compatibility with coastal installations

Location

- Install outdoors
- Maintain a clearance of 72" (183cm) on condenser sides
- Maintain a clearance of 36" (92cm) on non-condenser side
- Maintain an unobstructed space for free air discharge above unit
- Consult Haskris if clearances will be smaller than these recommendations. Haskris will evaluate individual site conditions and provide guidance on how to use the smaller space to ensure proper operation.

Included Accessories

- Hand shut off ball valves with flush ports
- [3] 5 gallon pails of propylene glycol concentrate

CUSTOMER/PROJECT		CANON MEDICAL SYSTEMS USA, INC.		
DESCRIPTION		OPC15-7BG3C24-MR-12-M538		
	CONFIDENTIAL	CREATED	11 NOV 2020	KSR
	NOT TO SCALE	UPDATED	17 JAN 2025	KSR
	SHEET 1 OF 1	APPROVED	17 JAN 2025	KSR