

Low Temperature Test Chillers-Air & Water Cooled

OTT Series – Low Temperature

A Partial List of Process Cooling Applications: Laboratory Testing, Component, Battery, and Dynamometers



Model OTT-5A shown

Features:

- 3 to 9 kW of cooling capacity at -30°C
- LWT Range: -30°C to 85°C (with optional heat)
- Micro-processor based PLC temperature controller
- Temp Output in °C or °F
- Dual 50/60 Hz compatible
- Air or Water Cooled
- Standard or Custom Fluids
- Pump Bypass Standard
- SS Reservoir Standard
- Non-Ferrous Hard Pipe Standard
- Performance Tested prior to Shipment
- Stainless steel MNPT process connections
- Swivel Casters Standard
- Copper Brazed plate Evaporator
- Fluid Circuit Insulation
- One year limited warranty

Contact Information:

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Models OTT 3 kW to 9 kW Air or Water Cooled

Options:

Controls

- RS485 communication (standard)
- Ethernet ready PLC controller
- Data Logging
- Remote Start/Stop
- Audible Alarm with Silence
- Programmable Temperature Alarms
- Visual Alarm Beacon
- Remote HMI
- Pressure Fluid monitoring

Electrical

- Outdoor NEMA 4 Electrical
- 5-10kW Heat
- Phase Monitor
- Remote Temperature Sensing
- Power Cord
- CE compliance
- NRTL certifications

Mechanical

- Specialty wetted construction materials
- NI Evaporator
- Pump upgrades
- Anti drain-back prevention
- Particle Filter
- Manifolds
- Isolation Valves
- Extended warranty

Please contact our sales & applications department for a more complete list of available options.

Low Temperature Test Chillers-Air & Water Cooled

Specifications⁽¹⁾

Description		OTT-5A Air Cooled	OTT-10A Air Cooled	OTT-20A Air Cooled	OTT-5W Water Cooled	OTT-10W Water Cooled	OTT-20W Water Cooled
Standard Flow Rating	GPM at PSI	7 GPM 65 PSI	14 GPM 65 PSI	20 GPM 65 PSI	7 GPM 65 PSI	14 GPM 65 PSI	20 GPM 65 PSI
Pump (2)	HP	1 (R5)	1 ½ (R7)	3 (T51M)	1 (R5)	1 ½ (R7)	3 (T51M)
Connection	MPT	3/4"	1.5"	1.5"	3/4"	1.5"	1.5"
Capacity ⁽³⁾	KW	3	6	9	3	6	9
	BTU/hr	10,236	20,472	30,708	10,236	20,472	30,708
	HP	5	10	20	5	10	20
Optional Immersion Heater	KW	CF	CF	CF	CF	CF	CF
Full Load Amps (4)	230/3/60	CF	CF	CF	CF	CF	CF
	460/3/60	CF	CF	CF	CF	CF	CF
Dimensions ⁽⁵⁾	Height	55"	55"	55"	55"	55"	55"
	Width	38"	38"	38"	38"	38"	38"
	Depth	62"	62"	86"	62"	62"	86"
Weight	lbs.	800	1000	1500	800	1000	1500
Internal Reservoir	Gallon	20	20	20	20	20	20
Temp Stability ⁽⁶⁾	°F	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Price		CF	CF	CF	CF	CF	CF

(1) As a result of continuous improvement efforts, specifications are subject to change without notice or liability. (2) Pump pressures at pump discharge. (3) Air Cooled capacity based on -30°C/-22°F LWT and 95°F ambient temperature. Water cooled capacity based on -30°C/-22°F LWT and 80°F condensing water. (4) Full load amps- consult factory (CF). Consult applications engineering for models with optional pumps or heaters. Full load amps must be used for sizing disconnects and supply wiring. Contact factory for 50 Hz applications engineering. (5) Dimensions are approximate and do not include filters. (6) Cooling stability only. Optional heating stability ± 2.0°F. Recommended fluids: to -30°C-Ethylene Glycol, or Syltherm XLT.

Pump Curves: To be provided Upon Request