

REFRIGERATED RE-CIRCULATING FLUID CHILLERS

OTM Series - Air Cooled

A Partial List of Process Cooling Markets: Aero. & Defense, Digital Printing, Food & Beverage, Mobile Imaging, Plastics Photonics, Research, & Semi-Conductor.



Model OTM-20A shown

Features:

- 15 to 50 Ton (50 to 175 kW) cooling capacity
- Micro processor based PID auto tuning controller with digital display
- Programmable high temp alarm or high/low temp alarm, for temp out of tolerance
- Temp output in °C or °F
- Dual frequency compatibility
- Operating temperature ranges up to 90°C
- Rugged powder coated steel cabinetry
- Stainless steel MNPT process connection
- Side access panels
- NEMA 4 electrical enclosure standard
- S.S. brazed plate evaporator
- One year limited warranty

Contact Information:

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Models OTM-15A to 50A 15-50 Ton, 50 to 175 kW

Options:

Controls / Interlocks

- PLC controller
- RS232 and RS485 communication
- Ethernet ready controller
- Remote start/stop
- Audible alarm with silence
- Visual alarm beacon
- Remote control tether
- Fluid monitoring and control devices

Electrical

- NEMA 4 (outdoor) controls
- 24V control systems
- Phase monitor
- Power cord extension
- CE compliance
- NRTL certifications

Mechanical

- Standard OPTI TEMP patented *advanced refrigeration control circuitry* (ARCC)
- Specialty wetted construction materials
- Multiple pump upgrades
- Anti-drain back prevention
- Particle filters
- UV filters
- Immersion heaters
- Remote temp sensing
- Fluid circuit insulation
- Manifolds
- Drain kits
- Extended warranty

Other

- Fluid conductivity control systems
- Automatic fluid pH control systems
- OPTISHIELD® corrosion inhibitors

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

1 D003309AI OTM Series Air Cooled Product Literature, 15A-50A |

REFRIGERATED RE-CIRCULATING FLUID CHILLERS

Specifications⁽¹⁾

Description		OTM-15A	OTM-20A	OTM-25A	OTM-30A	OTM-40A	OTM-50A
Standard Flow Rating ⁽²⁾	GPM at	36	58	60	72	96	120
	PSI	51	65	64	61	45	55
Max Available Flow Range	GPM	96	120	120	120	120	120
Pump (Standard)	HP	3	5	5	5	5	7.5
	Code	C5	C6	C6	C6	C6	C7
Connection	MPT	1.5	2	2	2	2.5	2.5
	KW	50	70	88	105	140	175
Capacity ⁽³⁾	BTU/hr	180000	240000	300000	360000	480000	600000
	tons	15	20	25	30	40	50
	HP	15	20	25	30	40	50
Compressor	Type	R	R	R	R	R	R
	Full Load Amps ⁽⁴⁾	230/3/60	90	100	120		
	460/3/60	45	50	60	75	90	100
	Dimensions ⁽⁵⁾	Height	54	54	54	54	78
Width		38	72	72	72	84	84
Depth		85	62	85	85	126	126
Weight	lbs.	1400	2000	2300	2500	4000	5000
Internal Reservoir	Gallon	20	50	75	75	150	200
Temp Stability ⁽⁶⁾	°F	± 2.7	± 2.7	± 2.7	± 2.7	± 2.7	± 2.7
Refrigerant	Type	R407c	R407c	R407c	R407c	R407c	R407c

(1) As a result of continuous improvement efforts, specifications are subject to change without notice or liability. (2) Pump pressures at pump discharge. (3) Capacity based on 55 °F LWT and 95 °F ambient air temperature. Capacities may be ± 5% as reserved by compressor manufacturer. (4) Full load amps for models with standard pumps. Consult applications engineering for models with optional pumps. 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) ±1.4 temp stability on OTM-15A thru 30A optional. Cooling stability only. Optional heating stability: ± 2.0°F.

Pump Curves:

