

REFRIGERATED RE-CIRCULATING FLUID CHILLERS

OTM Series – Stationary Water Cooled

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



Model OTM-40W to 50W shown

Features:

- 15.7 to 53 Ton (55 to 184 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:

Opti Temp Inc.
1500 International Dr.
Traverse City, MI 49686
P: 231-946-2931
F: 231-946-0128
E: information@optitemp.com

Models OTM-15W to 50W 15.7-53 Ton, 55 to 184 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.

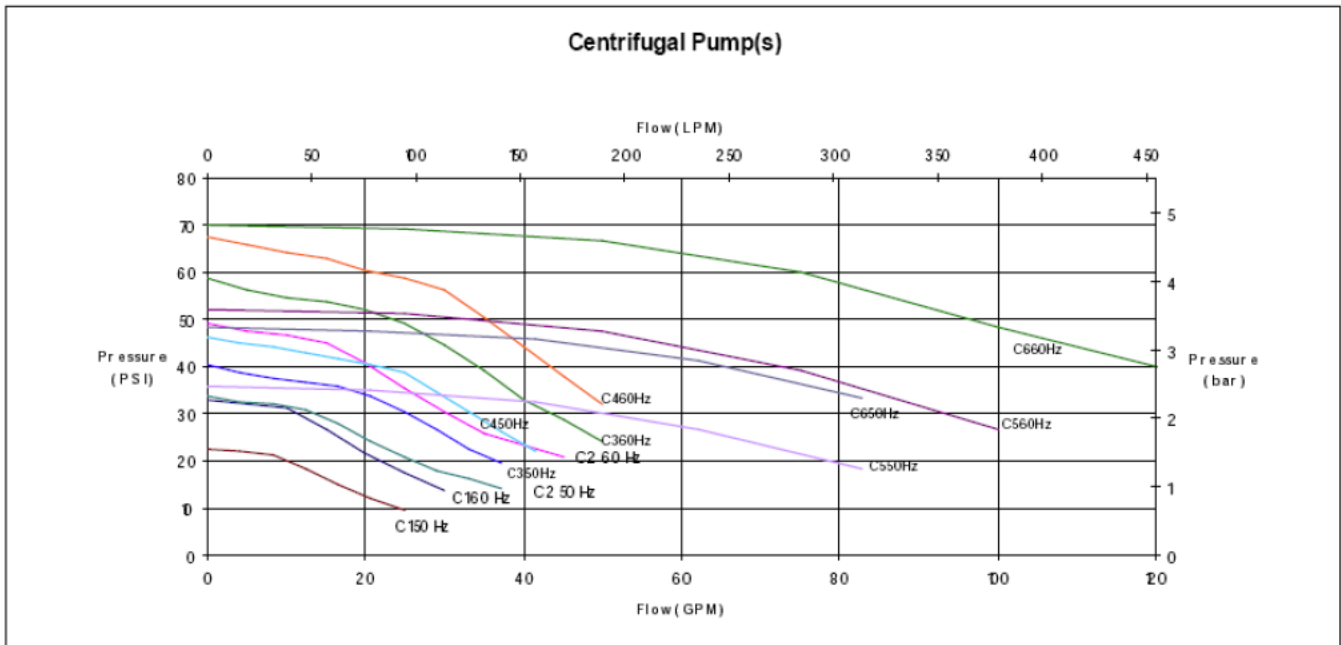
REFRIGERATED RE-CIRCULATING FLUID CHILLERS

Specifications⁽¹⁾

Description		OTM-15W	OTM-20W	OTM-25W	OTM-30W	OTM-40W	OTM-50W
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	C5	C6	C6	C6	C6
Connection	MPT	2	2	2	2	2.5	2.5
	KW	55.4	73.8	92.3	110	148	184
Capacity ⁽³⁾	BTU/hr	189000	252000	315000	378000	504000	630000
	tons	15.7	21	26.3	31.5	42	52.5
	HP	15	20	25	30	40	50
Compressor	Type	H	R	R	R	R	R
	Full Load Amps ⁽⁴⁾	230/3/60	90	100	120		
Dimensions ⁽⁵⁾	460/3/60	45	50	60	75	90	100
	Height	54	54	54	54	78	78
	Width	38	72	72	72	84	84
Weight	Depth	85	62	85	85	126	126
	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:



Standard pumps shown, other optional pumps available