

## REFRIGERATED RE-CIRCULATING FLUID CHILLERS

### OTC Series – Rack Mount Water Cooled

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



Model OTC-R33W to OTC-R75W shown

#### Features:

- 0.33 to 0.86 Ton (1.2 to 3.0 kW) of cooling capacity
- Opti Temp patented *advanced refrigeration control circuitry* (ARC) standard
- Micro-processor based PID auto tuning controller with digital display
- Programmable high temp or high/low temp alarm
- Temp output in °C or °F
- Dual frequency compatible
- Operating temperature ranges up to 90°C
- Non-ferrous wetted construction standard
- Rugged powder coated steel cabinetry
- Stainless steel MNPT process connections
- Reservoir level indicator
- NEMA 1 electrical enclosure standard
- S.S. brazed plate evaporator
- Power connection provided
- 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](mailto:information@optitemp.com)

### Models OTC-R33W to OTC-R75W 0.33 to 0.86 Ton, 1.2 to 3.0 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
- Fluid monitoring and control devices

##### Electrical

- 24V control systems
- CE compliance
- NRTL certifications

##### Mechanical

- 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.

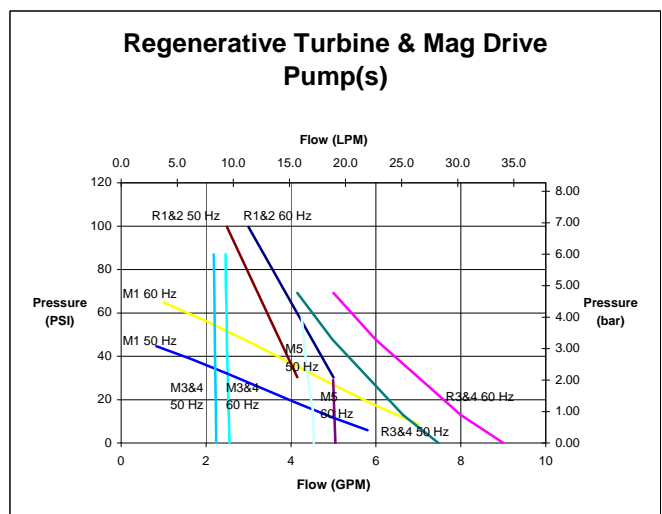
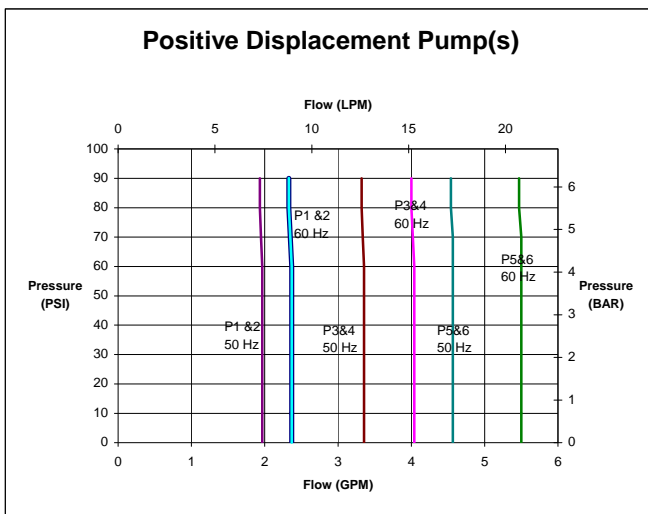
## REFRIGERATED RE-CIRCULATING FLUID CHILLERS

### Specifications<sup>(1)</sup>

Description		OTC-R33W	OTC-R50W	OTC-R75W
Standard Flow Rating <sup>(2)</sup>	GPM at PSI	2.3 65	2.3 65	4 65
Max Available Flow Range	GPM	3.5	3.5	5.5
Pump (Standard)	HP Code	0.33 P1	0.33 P1	0.33 P3
Process Connection	MPT	0.5	0.5	0.5
Cooling Fluid	Flow (GPM)	0.7	1	1.6
	Connection (MPT)	0.5	0.5	0.5
Capacity <sup>(3)</sup>	KW	1.2	2.0	3.0
	BTU/hr	4,020	6,840	10,360
	tons	0.33	0.57	0.86
Compressor	HP	0.33	0.5	0.75
	Type	H	H	H
Full Load Amps <sup>(4)</sup>	115/1/60	15.0	19.8	25.0
	100/1/50	12.5	16.5	20.8
	230/1/60	7.3	9.7	14.3
	230/1/50	6.1	8.1	11.9
Dimensions <sup>(5)</sup>	Height	15.75" 9U	15.75" 9U	15.75" 9U
	Width	19"	19"	19"
	Depth	25"	25"	25"
Weight	lbs.	110	135	165
Internal Reservoir	Gallon	0.8	0.8	0.8
Temp Stability <sup>(6)</sup>	°F	± 0.2	± 0.2	± 0.2
Refrigerant	Type	R134A	R134A	R134A

(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 75 °F incoming fluid temp. 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) Cooling stability only. Optional heating stability ± 2.0°F.

### Pump Curves:



Standard pumps shown, other optional pumps available