

REFRIGERATED RE-CIRCULATING FLUID CHILLERS

OTR Series – Rack Mount Air Cooled

For Laser, Semiconductor, Medical, X-Ray
& Laboratory Applications



Model OTR-.25A to 1.0A shown

Features:

- 0.25 to 1.0 ton (0.6 to 2.8 KW) of cooling capacity
- 1.5 to 3kW of heating capacity
- OPTI TEMP patented *advanced refrigeration control*
- 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:

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Models OTR-.25A to OTR-1.0A 0.24 to 0.60 Ton, 0.6 to 2.8 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.

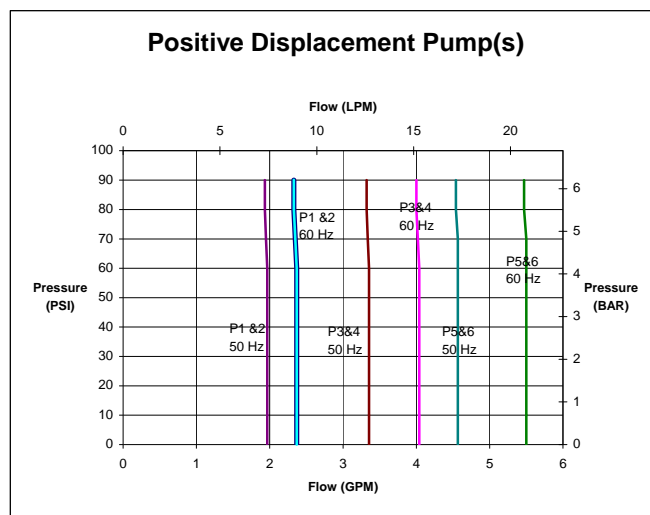
REFRIGERATED RE-CIRCULATING FLUID CHILLERS

Specifications⁽¹⁾

Description			OTR-.25A	OTR-.33A	OTR-.5A	OTR-.75A	OTR-1.0A
Standard Rating ⁽²⁾	Flow	GPM at	2	2	2	4	4
		PSI	65	65	65	65	65
Pump (Standard)	HP Code		1/3 P1	1/3 P1	1/3 P1	1/3 P3	1/3 P3
Connection	MPT		0.5	0.5	0.5	0.5	0.5
Std. Heater Size	kW		1.5	1.5	1.5	3	3
Capacity ⁽³⁾	KW		0.6	0.8	1.3	2.3	2.8
	BTU/hr		2000	2890	4570	7940	9550
	tons		0.2	0.25	0.4	0.7	0.8
Compressor	HP		0.25	0.33	0.5	0.75	1.0
	Type		H	H	H	H	H
Full Load Amps ⁽⁴⁾	115/1/60		25	27	31	48	NA
	230/1/60		NA	14	15	26	28
	230/3/60		NA	NA	NA	NA	24
	460/3/60		NA	NA	NA	NA	12
Dimensions ⁽⁵⁾	Height		22.5"	22.5"	22.5"	22.5"	22.5"
	Width		15"	15"	15"	24"	28"
	Depth		20"	20"	20"	24.5"	24.5"
Weight	lbs.		175	175	200	250	250
Internal Reservoir	Gallon		1	1	1	3.75	3.75
Temp Stability ⁽⁶⁾	°F		± 0.2	± 0.2	± 0.2	± 0.2	± 0.2
Refrigerant	Type		R134A	R134A	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 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) Cooling stability only. Optional heating stability ± 2.0°F.

Pump Curves:



Standard pumps shown, other optional pumps available