REFRIGERATED RE-CIRCULATING FLUID CHILLERS

OTM Series - Portable Air Cooled

Models OTM-.5A to 30A

For Machine Tool, High Flow and other Industrial Applications

Model OTM-5.0A to 10A shown

Features:

- 0.5 to 30 ton (1.3 to 105 kW) cooling capacity
- Standard OPTI TEMP patented *advanced refrigeration control* (ARC) circuitry
- 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
- Swivel casters standard
- Removable cover and side access panels
- NEMA 1 electrical enclosure standard
- S.S. brazed plate evaporator
- Power cord provided
- One year limited warranty

Contact Information:

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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

- 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.

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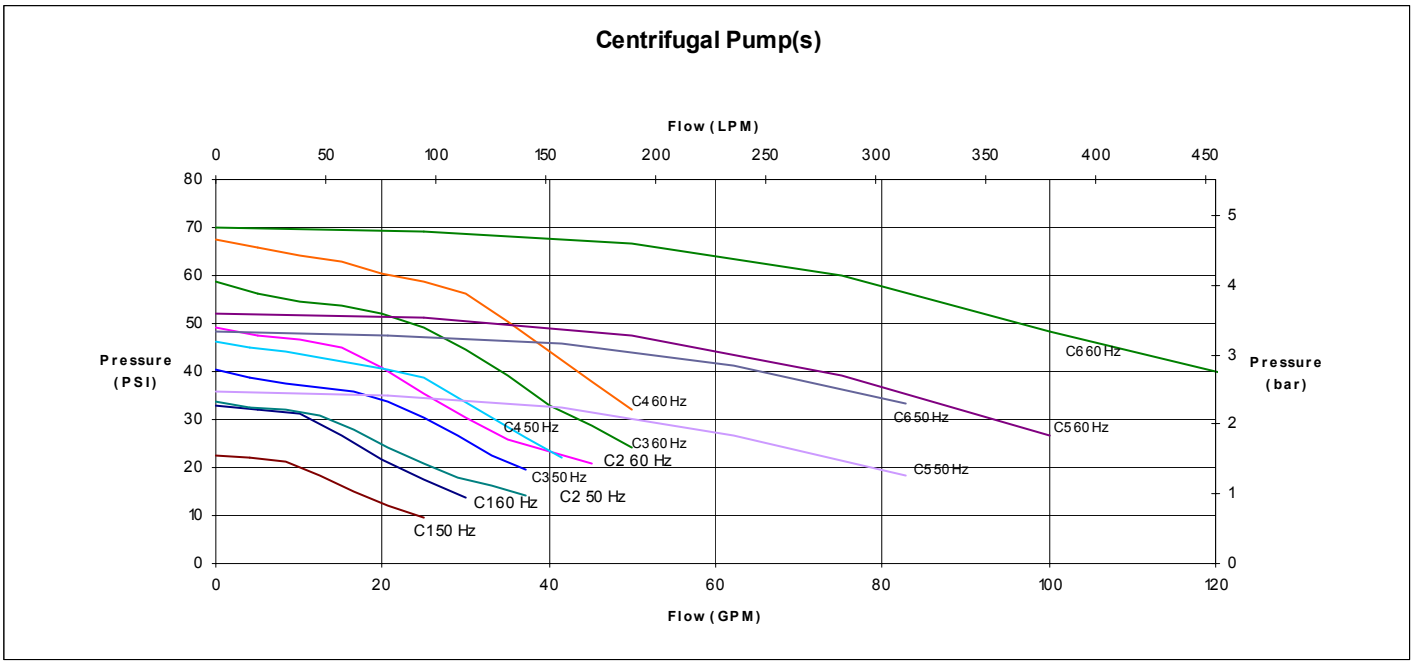
Specifications[1]:

Description	OTM	.5A	1.0A	1.5A	2.0A	3.0A	5.0A	7.5A	10A	15A	20A	25A	30A
Standard Flow Rating[2]	GPM at PSI	12 30	12 30	12 30	18 43	18 43	26 48	30 55	30 55	36 51	48 48	60 64	72 61
Max Available Flow Range	GPM	18	18	18	30	30	48	48	48	96	96	120	120
Pump (Standard)	HP Code	0.5 C1	0.5 C1	0.5 C1	1 C2	1 C2	1.5 C3	2 C4	2 C4	3 C5	3 C5	5 C6	5 C6
Connection	MPT	1	1	1	1.25	1.25	2	2	2	2.5	2.5	2.5	3
Capacity[3]	KW	1.3	2.8	5	6	10.5	16	24	35	50	70	88	105
	BTU/hr	4570	9550	17000	20700	36100	54400	82000	120000	180000	240000	300000	360000
	tons	0.4	0.8	1.4	1.7	3	4.5	6.8	10	15	20	25	30
Compressor	HP	0.5	1	1.5	2	3.5	5	7.5	12	15	20	25	30
	Type	H	H	H	H	S	H	S	S	H	H	H	H
Full Load Amps[4]	115/1/60	19											
	100/1/50												
	230/1/60	9	15	22	29	46	48						
	230/1/50				26	42	44						
	230/3/60		12	16	17	31	36	57	60	90	110	120	122
	460/3/60		6	8	10	15	14	23	35	45	55	70	61
Dimensions[5]	Height	25	25	25	36	36	45	45	45	52	78	78	78
	Width	28	28	28	42	42	46	46	46	66	52	52	52
	Depth	25	25	25	36	36	46	46	46	48	109	109	109
Weight	lbs.	230	285	305	305	500	715	770	795	1500	3000	3500	4000
Internal Reservoir	Gallon	10	10	10	20	20	30	30	30	75	75	150	150
Temp Stability[6]	°F	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.5	± 0.5	± 0.5	± 2.7	± 2.7	± 2.7	± 2.7
Refrigerant	Type	R134A	R134A	R134A	R134A	R134A	R22	R22	R22	R22	R22	R22	R22

(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 or castors. (6) ±1.4 temp stability on OTM-15A thru 30A optional.

Pump Curves:



Standard pumps shown, other optional pumps available