OTC Series - Portable Air Cooled

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

OTC-5.0A

Models OTC-.25A to OTC-10A
0.25-10 Ton, 0.6-35 kW

Features:

- 0.25 to 10 Tons (0.6 to 35 kW) of cooling capacity
- Opti Temp patented *advanced refrigeration control circuitry* (ARC) standard
- PLC controller with digital display. RS485 communication standard
- 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
- NEMA 1 electrical enclosure standard
- Copper brazed plate evaporator
- One year limited warranty

Options:

Controls / Interlocks

- PLC controller
- Ethernet ready controller
- Remote start/stop
- Audible alarm with silence
- Visual alarm beacon
- Remote control
- 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

Contact Information:

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

Specifications [1]

Description		OTC-.25A	OTC-.33A	OTC-.5A	OTC-.75A	OTC-1.0A	OTC-1.5A	OTC-2.0A	OTC-3.0A	OTC-5.0A	OTC-7.5A	OTC-10A
Standard Flow Rating[2]	GPM at PSI	3.2 65	3.2 65	3.2 65	4 65	4 65	4 65	5.5 65	7 55	12 53	18 61	24 58
Max Available Flow Range[3]	GPM	3.2	3.2	4.0	5.2	5.2	5.2	26	26	38	48	48
Pump (Standard)	HP Code	0.33 P1	0.33 P1	0.33 P1	0.33 P3	0.33 P3	0.33 P3	0.5 P5	1.5 C3	1.5 C3	2 C4	2 C4
Connection	MPT	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1.25	1.5
Capacity[4]	kW	0.6	0.8	1.3	2.8	3.4	6	7.3	12.7	19.1	28.8	42.2
	BTU/hr	2000	2,800	4,570	9,460	11,460	20,400	24,840	43,320	65,280	98,400	144,000
	tons	0.25	0.33	0.4	0.8	0.96	1.7	2.1	3.6	5.4	8.2	12
Compressor	HP	0.25	0.33	0.5	0.75	1.8	1.8	3	3.5	5	7.5	10
	Type	H	H	H	H	S	S	S	S	S	S	S
Full Load Amps[5]	115/1/60	12.8	14	19	23							
	100/1/50	12	13.1	17.8	20							
	230/1/60		6.9	9	13	17.6	17.6	29.6	37.4	48		
	230/1/50		6.5	8.4	12.2							
	230/3/60					13.6	13.6	19.1	23.8	36	57	60
	460/3/60					6.4	6.4	9.5	12.6	14	23	35
Dimensions[6]	Height	22.5”	22.5”	22.5”	22.5”	28”	28”	35”	35”	55”	55”	55”
	Width	15”	15”	15”	24”	31”	31”	36.5”	36.5”	38”	38”	38”
	Depth	23”	23”	23”	24.5”	30”	30”	36.5”	36.5”	62”	62”	62”
Weight	lbs.	130	130	155	205	210	215	425	455	815	855	900
Internal Reservoir	Gallon	0.75	0.75	0.75	2.5	2.5	2.5	2.5	2.5	20	20	20
Temp Stability[7]	°F	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.5	± 0.5	± 0.5
Refrigerant	Type	R134A	R134A	R134A	R134A	R407C	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) Max flow rating with optional pumps. (4) Capacity based on 68 °F LWT and 95 °F ambient air temperature. Capacities may be ± 5% as reserved by compressor manufacturer. (5) 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. (6) Dimensions are approximate and do not include filters. (7) Cooling stability only. Optional heating stability ± 2.0°F.

Pump Curves: