OTX Series - Air Cooled Outdoor Chiller

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

Model OTX-1.5A shown

Models OTX-.75A to OTX-10A
0.75 to 10 Tons, 2.5 to 35 kW

Features:

- 0.75 to 10 Tons (2.5 to 35 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
- Ambient operating temperature ranges from -40°C up to 55°C
- All stainless steel cabinetry prevents rusting in harsh outdoor conditions
- Stainless steel MNPT process connections
- Removable cover and side access panels
- NEMA 4 S.S. weather proof electrical enclosure
- S.S. brazed plate evaporator
- Stainless steel process filter housing w/30micron particle filter cartridge
- Heavy-duty electrical components, switches, motor starters and lights
- Power cord provided
- Environmental Chamber Testing under load at temperatures from -40°C (-40°F) up to 46°C (115°F)
- One year limited warranty

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
- Phase monitor
- Power cord extension
- CE compliance
- NRTL certifications

Mechanical

- Specialty wetted construction materials
- Multiple pump upgrades
- Extreme Ambient
- Anti-drain back prevention
- Heater options
- Remote temperature sensing
- Fluid circuit insulation
- Manifolds
- Interconnect Hose
- Extended warranty

Contact Information:

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

Specifications[1]

Description		OTX-.75A Extended Ambient	OTX-1.5A Standard Ambient	OTX-1.5A Extended Ambient	OTX-1.5A Extreme Ambient	OTX-3.0A Standard Ambient	OTX-3.0A Extended Ambient	OTX-3.0A Extreme Ambient	OTX-7.5A Standard Ambient	OTX-10A Standard Ambient
Min/Max Ambient	°C	-40° to 49°C	-40° to 40°C	-40° to 49°C	-40° to 55°C	-40° to 40°C	-40° to 49°C	-40° to 55°C	-40° to 40°C	-40° to 40°C
Standard Flow Rating[2]	GPM at PSI	4.4 60	7 90	7 90	7 90	15 90	15 90	30 90	30 90	36 90
Standard Pump[3]	HP	0.33	1.0	1.0	1.0	3.0	3.0	3.0	5.0	5.0
Connection	MPT	¾"	1"	1"	1"	1"	1"	1 ½ "	1 ½ "	2"
Capacity[4]	KW	2.5	5	5	5	10.5	10.5	16	24	35
	BTU/hr	8530	17000	17000	17000	36100	36100	54400	82000	120000
	tons	0.75	1.4	1.4	1.4	3	3	4.5	6.8	10
Compressor	HP	1.5	1.5	1.5	1.5	3.5	3.5	5	7.5	12
	Type	Hermetic	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Full Load Amps[5]	230/1/60	23.5								
	230/3/60		26	27	27	38	39	39		
	460/3/60		13	13.5	13.5	19	19.5	19.5	30	38
Internal Reservoir	Gallon	2.5	5.5	5.5	5.5	5.5	5.5	30	30	45
Temp Stability[6]	°F	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2
Refrigerant	Type	R134A	R134A	R134A	R134A	R134A	R134A	R134A	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) Pump curves provided upon request. (4) Capacity based on 55 °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) Cooling stability only. Optional heating stability ± 2.0°F.