

## OTM Series: Stationary Air-cooled & Water-cooled Chillers



### Features

- 15 to 50 Tons (50 to 175 kW) of cooling capacity
- Opti Temp patented advanced refrigeration control circuitry
- Digital PLC controller with RS485 communication
- Temperature 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

### Additional Options & Features

#### Electrical and Controls

- NEMA 4 (outdoor) controls
- 24V control systems
- Phase monitor
- Power cord extensions
- CE compliance
- UL & CSA certifications
- Color touchscreen display (HM1)
- Low flow indication (LF2)
- Flow meter (FS2)
- Low water indication (LW2)
- Temperature deviation alarm (TA1)
- Pressure transducer (PT2)
- Audible alarm with silence (AA2)
- Audible & Visual Alarm Beacon (AV1)
- Remote start/stop (RS2)

#### Mechanical

- Specialty wetted construction materials
- Outdoor packages (OD1)
- Multiple pump upgrades
- Extended warranty
- Pressure gauges (PG1)
- Anti-drain backs packages (AD2)
- Condenser filters (CFT) for air-cooled units
- Isolation ball valves (BV1)
- Stainless steel reservoirs (RE1)
- Casters (CA1)
- Remote temperature sensing and control
- Custom paint (PNT)

#### Fluid Conditioning

- Start-up heating packages
- PI control heating
- Particle filters
- Active DI control system (D02)
- Passive DI control system (D01)
- pH control package (PH1)
- UV filtration (UVB)
- OPTISHIELD® Corrosion Inhibitor

For a quotation, please contact [information@optitemp.com](mailto:information@optitemp.com)

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

Description		OTM-15	OTM-20	OTM-25	OTM-30	OTM-40	OTM-50
Standard Flow Rating <sup>(2)</sup>	GPM	36	48	60	72	96	120
	PSI	51	65	64	61	45	55
Max Available Flow Range <sup>(3)</sup>	GPM	96	120	120	120	120	120
Pump (Standard)	HP	3	5	5	5	5	7.5
	Model	CT5	CT6	CT6	CT6	CT6	CT7
Connection	MPT	1.5	2	2	2	2.5	2.5
Capacity <sup>(4)</sup>	kW	50	70	88	105	140	175
	BTU/hr	180,000	240,000	300,000	360,000	480,000	600,000
	tons	15	20	25	30	40	50
Compressor	HP	15	20	25	30	(2)20	2(25)
	Type	H	H	H	H	H	H
Dimensions <sup>(5)</sup>	Height	54	54	54	54	78	78
	Width	38	72	72	72	84	84
	Depth	86	62	86	86	126	126
Weight	lbs.	1400	2000	2300	2500	4000	5000
Internal Reservoir	Gallon	20	50	75	75	150	200
Temp Stability <sup>(6)</sup>	°F	± 5	± 5	± 5	± 5	± 5	± 5
Refrigerant	Type	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 55 °F LWT and 95 °F ambient air temperature. Capacities may be ± 5% as reserved by compressor manufacturer. Contact factory for 50 Hz applications engineering. (5) Dimensions are approximate and do not include filters. (6) Cooling stability only. Optional heating stability ± 5.0°F.

Pump Curves

