

OTI Series: Fluid to Fluid Heat Exchangers



Features

- 5 to 100kW 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

- 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
- Multiple pump upgrades
- Extended warranty
- Pressure gauges (PG1)
- Anti-drain backs packages (AD2)
- 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

Specifications ⁽¹⁾

Description	OTI	5W	10W	15W	20W	30W	40W	60W	100W
Standard Flow Rating ⁽²⁾	GPM	4	4	5.5	5.5	12	15	25	40
	PSI	65	65	65	65	45	54	59	56
Max Available Flow Range	GPM	5	5	5.5	5.5	26	38	48	96
Pump (Standard)	HP	0.33	0.33	0.5	0.5	1.0	1.5	2.0	3.0
	Model	P3	P3	P5	P5	C2	C3	C4	C5
Connection	MPT	0.5"	0.5"	0.5"	0.5"	1.0"	1.25"	1.25"	1.50"
Capacity ⁽³⁾	kW	5	10	15	20	30	40	60	100
	BTU/hr	170,060	34,120	51,180	68,240	102,360	136,480	204,720	341,200
	tons	1.4	2.8	4.3	5.7	8.5	11.4	17	28.4
Dimensions ⁽⁴⁾	Height	23	23	23	23	23	45	45	45
	Width	10	10	10	25	25	35	35	35
	Depth	32	32	32	25	25	26	26	26
Weight	lbs.	90	105	120	145	165	265	315	415
Internal Reservoir	Gallon	2.5	2.5	2.5	2.5	2.5	9	9	9
Temp Stability ⁽⁵⁾	°F	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7

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 10°C approach differential temperature. (4) Dimensions are approximate and do not include filters. 2.5" height casters are used on models OTI-1W to 30W. 5" height casters used on models OTI-40W to 100W. (5) Cooling stability only. Optional heating stability ± 2.0°F. Please consult the factory for full load amps (FLA).

Pump Curves



