

A Series

Tankless/Flow-Through
2 – 60 Ton Capacity

Highly Customizable and Cleanable

Air-cooled industrial liquid chillers are recommended when a reservoir of fluid such as central coolant pits, storage tanks, or quench tanks must be cooled. They are used in cooling metalworking fluid, hydraulic fluids, and other liquids. Evaporator selection varies based on the fluid being cooled and the level of contaminants in the process.

Product Features

- Recirculating or Inline Cooling
- Air-Cooled Condenser
- Capacities from 27,000 BTU/hr to 800,000 BTU/hr
- Water, Water/Glycol, Water-Soluble, and Oil Based Fluids
- R407C Refrigerant
- Highly Customizable
- Indoor Use Only
- Powder Coated Cabinet
- Voltage Options Available
- Built to UL 1995
- Fluid Setpoint 50–90°F
- Ambient Temperature Range 50–95°F
- Temperature Stability $\pm 3^\circ\text{F}$ (Optional $\pm 1^\circ\text{F}$)
- 18-Month Parts and Labor Warranty
- 24/7 Service and Support
- Next Day Parts Available

(Fluid and ambient temperatures can vary. Consult factory for the effect on capacity. Stated capacity based on 85°F fluid setpoint and 95°F ambient.)

Glen
Dimplex
Thermal
Solutions



Koolant
Koolers



Base Configuration

Brazed Plate, Cleanable, Shell/Tube
Evaporators (vary w/ application)

Hermetic Scroll Compressor

Cleanable Air Filters

Fused Disconnect

Hot Gas Regulator

Options*

Remote or Water-Cooled Condenser

Process Pump

100 Micron Fluid Filter

Phase Monitor

Motorized Hot Gas Bypass

Remote Start/Stop

Remote PGD (up to 150')

Ambient Tracking

Service/Maintenance Packages

cUL Certification

*Not all options are available in all sizes.

| MODEL | CAPACITY | ELECTRICAL | FLA | FITTINGS SIZE | FLOW/ PRESSURE | UNIT DIMENSIONS (LxWxH) | CRATED WEIGHT |
|--|----------|----------------------|---------------|---------------|-------------------|-------------------------------|------------------|
| WATER WATER/GLYCOL WATER/SOLUBLE OIL | BTU/HR | VOLTAGE | AMPS | INCH | GPM | INCH | LBS |
| AVI-2000-M | 30,000 | 230/3/60 460/3/60 | 20.4 9.4 | 1 1/4 | 6 @ 15 | 36x25x55 | 700 |
| AVI-3000-M | 40,000 | 230/3/60 460/3/60 | 20.4 9.4 | 1 1/2 | 9 @ 15 | 50x27.5x64 | 900 |
| AVI-5000-M | 69,000 | 230/3/60 460/3/60 | 31.1 15.6 | 1 1/2 | 15 @ 15 | 50x28x42 | 900 |
| AVI-7500-M | 100,000 | 230/3/60 460/3/60 | 44.3 22.2 | 1 1/2 | 23 @ 15 | 58x36x64 | 1,000 |
| AVI-10000-M | 130,000 | 230/3/60 460/3/60 | 53.2 26.6 | 1 1/2 | 30 @ 15 | 58x36x64 | 1,000 |
| AVI-15000-M | 220,000 | 230/3/60 460/3/60 | 80.4 43.3 | 2 | 45 @ 15 | 58x41.5x90 | 1,500 |
| AVI-20000-M | 270,000 | 230/3/60 460/3/60 | 100.8 50.4 | 2 | 60 @ 15 | 69x41.5x90 | 2,100 |
| AVI-30000-M | 410,000 | 460/3/60 | 73.1 | 3 | 90 @ 15 | TBD | 2,300 |
| AVI-40000-M | 525,000 | 460/3/60 | 95.8 | 3 | 120 @ 15 | TBD | 4,200 |
| AVI-60000 | 800,000 | 460/3/60 | 141.2 | 3 | 180 @ 15 | TBD | 4,800 |

| STRAIGHT OIL | BTU/HR | VOLTAGE | AMPS | INCH | GPM | INCH | LBS |
|--------------|---------|----------|-------|-------|----------|------------|-------|
| AVI-2000-M | 30,000 | 230/3/60 | 20.4 | 1 1/4 | 12 @ 15 | 36x25x55 | 700 |
| | | 460/3/60 | 9.4 | | | | |
| AVI-3000-M | 40,000 | 230/3/60 | 20.4 | 1 1/2 | 18 @ 15 | 50x27.5x64 | 900 |
| | | 460/3/60 | 9.4 | | | | |
| AVI-5000-M | 69,000 | 230/3/60 | 31.1 | 1 1/2 | 30 @ 15 | 50x27.5x64 | 900 |
| | | 460/3/60 | 15.6 | | | | |
| AVI-7500-M | 100,000 | 230/3/60 | 44.3 | 2 | 46 @ 15 | 58x36x64 | 1,000 |
| | | 460/3/60 | 22.2 | | | | |
| AVI-10000-M | 130,000 | 230/3/60 | 53.2 | 2 | 60 @ 15 | 58x36x64 | 1,000 |
| | | 460/3/60 | 26.6 | | | | |
| AVI-15000-M | 220,000 | 230/3/60 | 80.4 | 2 | 90 @ 15 | 58x41.5x90 | 1,500 |
| | | 460/3/60 | 43.3 | | | | |
| AVI-20000-M | 270,000 | 230/3/60 | 100.8 | 3 | 120 @ 15 | TBD | 2,100 |
| | | 460/3/60 | 50.4 | | | | |
| AVI-30000-M | 410,000 | 460/3/60 | 73.1 | 3 | 180 @ 15 | TBD | 2,300 |
| AVI-40000-M | 525,000 | 460/3/60 | 95.8 | 4 | 240 @ 15 | TBD | 4,200 |
| AVI-60000-M | 800,000 | 460/3/60 | 141.2 | 4 | 360 @ 15 | TBD | 4,800 |

