

A Series

Recirculating Design
2 to 60 Ton Capacities

Cleanable, Recirculating Platform

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

Product Summary

- Indoor use
- Air-cooled, water-cooled or split system (remote condenser)
- Water, water/glycol, or oil-based fluids
- Fluid setpoint 50 to 90°F
- Capacities: 22,000 to 592,000 BTU/hr (see reverse for fluid temp and ambient as it varies with heat exchanger). Temps can vary but will affect capacity.
- Temperature stability $\pm 3^\circ\text{F}$ (Optional $\pm 1^\circ\text{F}$)
- Ambient temperature range 50 to 95°F
- Built to UL 1995
- 18-month parts and labor warranty
- 24/7 service and support
- Next day parts available

**Glen
Dimplex**
Thermal
Solutions



**Koolant
Koolers**



Base Configuration

Air-cooled condenser
Hermetic scroll compressor
Brazed plate or cleanable, shell and tube evaporators (vary w/ application)
Hot gas regulator
Phase monitor
Cleanable air filters
Fused disconnect
R407C refrigerant
Powder-coated cabinet

Options*

Remote or water-cooled condensers
Process pump
100-micron fluid filter
Voltage options
Motorized hot gas bypass
Insulation
Remote start/stop
Remote PGD (Up to 150')
Ambient tracking
50 and 60Hz power options
CE certified
CSA certified or compliant

*Not all options are available in all sizes.

MODEL	CAPACITY ^a	ELECTRICAL	FLA ^a	FITTINGS SIZE	BASIC PUMP (OPTIONAL ADD)	UNIT DIMENSIONS (Lx- WxH)	CRATED WEIGHT
WATER, WATER/GLYCOL, WATER-SOLUBLE OIL	BTU/HR	VOLTAGE	AMPS	INCH	GPM @ PSI	INCH	LBS
BRAZED PLATE	75°F fluid setpoint /95°F ambient						
AVI-2000-M	22,000	460/3/60	9.4	1.25	6 @ 15	36 x 28 x 55	700
		230/3/60	20.4				
AVI-3000-M	36,000	460/3/60	9.4	1.5	9 @ 15	51 x 30 x 64	900
		230/3/60	20.4				
AVI-5000-M	55,500	460/3/60	15.6	1.5	15 @ 15	51 x 30 x 64	900
		230/3/60	31.1				
AVI-7500-M	82,000	460/3/60	22.2	1.5	23 @ 15	58 x 38 x 64	1,000
		230/3/60	44.3				
AVI-10000-M	106,000	460/3/60	26.6	1.5	30 @ 15	58 x 38 x 64	1,000
		230/3/60	53.2				
AVI-15000-M	166,000	460/3/60	43.3	2	45 @ 15	58 x 45 x 91	1,500
		230/3/60	80.4				
AVI-20000-M	215,000	460/3/60	50.4	2	60 @ 15	72 x 45 x 97	2,100
		230/3/60	100.8				
AVI-30000-M	303,000	460/3/60	73.1	3	90 @ 15	108 x 45 x 97	2,300
AVI-40000-M	400,000	460/3/60	95.8	3	120 @ 15	86 x 76 x 95	4,200
AVI-60000	592,000	460/3/60	141.2	3	180 @ 15	86 x 110 x 105	4,800
STRAIGHT OIL	BTU/HR	VOLTAGE	AMPS	INCH	GPM @ PSI	INCH	LBS
CLEANABLE SHELL & TUBE	85°F fluid setpoint /95°F ambient						
AVI-2000-M	22,000	460/3/60	9.4	1.25	12 @ 15	60 x 28 x 62	700
		230/3/60	20.4				
AVI-3000-M	36,000	460/3/60	9.4	1.5	18 @ 15	60 x 30 x 75	900
		230/3/60	20.4				
AVI-5000-M	55,500	460/3/60	15.6	1.5	30 @ 15	60 x 30 x 75	900
		230/3/60	31.1				
AVI-7500-M	80,000	460/3/60	22.2	2	45 @ 15	86 x 38 x 97	1,000
		230/3/60	44.3				
AVI-10000-M	104,000	460/3/60	26.6	2	60 @ 15	86 x 38 x 97	1,000
		230/3/60	53.2				
AVI-15000-M	156,000	460/3/60	43.3	2	90 @ 15	110 x 45 x 104	1,500
		230/3/60	80.4				
AVI-20000-M	204,000	460/3/60	50.4	3	120 @ 15	TBD	2,100
		230/3/60	100.8				
AVI-30000-M	303,000	460/3/60	73.1	3	180 @ 15	TBD	2,300
AVI-40000-M	400,000	460/3/60	95.8	4	240 @ 15	TBD	4,200
AVI-60000-M	592,000	460/3/60	141.2	4	360 @ 15	TBD	4,800

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity.

^a Does not include pump.

