

A-SERIES

Recirculating Design
2 to 60 Ton Capacity Units



A-Series chiller from top.

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, water/glycol, water soluble 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 $\pm 3^\circ\text{F}$
- 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

BASE CONFIGURATION

- Air-cooled condenser
- Hermetic scroll compressor
- Brazed plate
- Hot gas regulator
- Phase monitor
- Cleanable air filters
- Fused disconnect
- R407C & **513A** refrigerant
- Powder-coated cabinet
- c.pCO Mini controller
- Remote start/stop
- CSA compliant

OPTIONS

- Remote or water-cooled condensers outdoor
- Process pump
- 100-micron fluid filter
- Voltage options
- Motorized hot gas bypass ($\pm 1^\circ\text{F}$)
- Insulation
- Remote start/stop
- Remote Display (Up to 150')
- Ambient tracking
- 50 and 60Hz power options
- CE & CSA certified
- High Ambient and/or Fluid Temp

MODEL	CAPACITY (a)	ELECTRICAL	FLA (a)	FITTINGS SIZE	MIN FLOW	UNIT DIMENSIONS (LxWxH)	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	1.25	6 @ 15	36 x 28 x 55	700
		230/3/60	18				
AVI-3000-M	36,000	460/3/60	9	1.5	9 @ 15	51 x 30 x 64	900
		230/3/60	18				
AVI-5000-M	55,500	460/3/60	12	1.5	15 @ 15	51 x 30 x 64	900
		230/3/60	24				
AVI-7500-M	82,000	460/3/60	18	1.5	23 @ 15	58 x 38 x 64	1,000
		230/3/60	36				
AVI-10000-M	106,000	460/3/60	22	1.5	30 @ 15	58 x 38 x 64	1,000
		230/3/60	44				
AVI-15000-M	166,000	460/3/60	37	2	45 @ 15	59 x 45 x 91	1,500
		230/3/60	74				
AVI-20000-M	215,000	460/3/60	52	2	60 @ 15	72 x 45 x 86	2,100
		230/3/60	104				
AVI-30000-M	303,000	460/3/60	78	3	90 @ 15	102 x 45 x 91	2,300
AVI-40000-M	400,000	460/3/60	86	3	120 @ 15	72 x 86 x 95	4,200
AVI-60000-M	592,000	460/3/60	133	3	180 @ 15	103 x 86 x 104	4,800
STRAIGHT OIL	BTU/HR	VOLTAGE	AMPS	INCH	GPM @ PSI	INCH	LBS
BRAZED PLATE	85°F fluid setpoint /95°F ambient						
AVI-2000-M	22,000	460/3/60	9	1.25	12 @ 15	36 x 28 x 55	700
		230/3/60	18				
AVI-3000-M	36,000	460/3/60	9	1.5	18 @ 15	51 x 30 x 64	900
		230/3/60	18				
AVI-5000-M	55,500	460/3/60	12	1.5	30 @ 15	51 x 30 x 64	900
		230/3/60	24				
AVI-7500-M	80,000	460/3/60	18	2	45 @ 15	58 x 38 x 64	1,000
		230/3/60	36				
AVI-10000-M	104,000	460/3/60	22	2	60 @ 15	58 x 38 x 64	1,000
		230/3/60	44				
AVI-15000-M	156,000	460/3/60	37	2	90 @ 15	59 x 45 x 91	1,500
		230/3/60	74				
AVI-20000-M	204,000	460/3/60	52	3	120 @ 15	72 x 45 x 86	2,100
		230/3/60	104				
AVI-30000-M	303,000	460/3/60	78	3	180 @ 15	102 x 45 x 91	2,300
AVI-40000-M	400,000	460/3/60	86	4	240 @ 15	72 x 86 x 95	4,200
AVI-60000-M	592,000	460/3/60	133	4	360 @ 15	103 x 86 x 104	4,800

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

* oil at 90 SSU (a) Does not include pump.

