

J Series

This compact air-cooled unit provides reliable temperature control of process fluids from 50-80°F in ambient temperatures from 50-95°F. Its casters yield effortless portability and allow for use with several machines in a process.

Its size, simple operation and ease of maintenance make it the chiller of choice for hundreds of applications. Most models need no special wiring - it is truly a plug and play design.

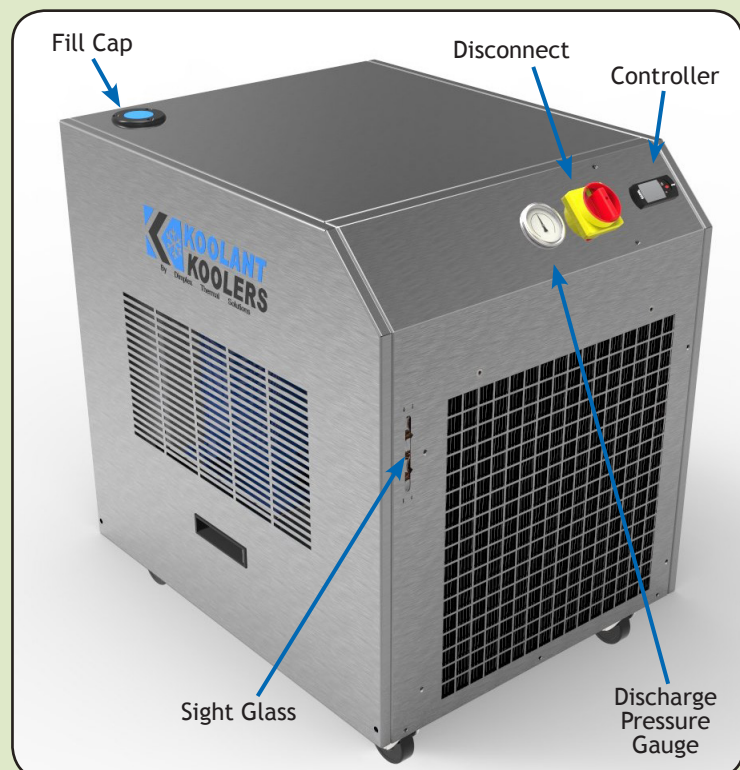
- Air cooled, closed-loop refrigeration circuit for water or water/glycol operations
- Provides from 1/8 to 2 tons of cooling for indoor use
- Optimized layout of internal components for ease of service
- Various voltage and pressure options available (standard configurations on reverse)
- Streamlined manufacturing process for short lead-times
- State-of-the-art 18 month comprehensive warranty
- 24/7 service and support with next day parts service
- Ongoing support offered for the life of the equipment

Sample of Applications:

- Hydraulics
- Waterjet
- Jacketed Cooling
- Laboratory
- Small lasers
- Spot welders
- Spindles
- Induction Heaters
- Diffusion Pumps

Environmental:

- Recommended ambient 50 - 95°F. Higher ambients possible but will affect capacity.
- Capacity based on 65°F LFT & 95°F ambient. Fluid temps and ambient can vary - consult factory for effect on capacity.
- Temperature stability +/- 3°F
- Water or water/glycol (70%/30%)
- UL1995



Base Model Includes:

- Stainless steel cabinet
- Carel IR33 digital controller
- Hermetic compressor
- Brazed plate evaporator
- Manual fluid bypass
- Hot gas bypass regulator
- Discharge pressure gauge
- Air filter
- Refrigerant & tank level sight glasses
- Refrigerant filter dryer
- Flush-mounted fill port
- Heavy duty casters

Packaged Upgrades Include:

1. Base + MAM Model:

Base model features + mechanical auto makeup

2. Base + MAM + PRBV Model:

Base model features + mechanical auto makeup + pressure relief bypass

3. Deluxe Model:

Motorized hot gas bypass (+/-1°F) + mechanical auto makeup + low flow/low level alarms + pressure relief bypass

4. Ship loose options:

Feet, anti-back flow and fluid filter

Description	ID	Package:	Electrical:	Capacity (BTU):	Flow/Pressure (GPM):	Refrigerant (lbs):	Compressor (hp):	Pump (hp):	Tank (gal):	Fittings (FNPT/in):	FLA (amps):	Disconnect fuse (amps):	Dimensions/WxDxH (in):	Crafted weight (lbs):	Wet weight (lbs):
High Pressure Configurations															
JHI-180-M	800057	Base Model	115 / 1 / 60	2100	2 @ 50	0.5	0.25	1/3	5	1/2	11.7		21.125 x 21.625 x 28.625	245	290
JHI-500-M	800055	Base Model	115 / 1 / 60	4000	4 @ 50	1	0.5	1/3	5	1/2	15.5		21.125 x 21.625 x 28.625	310	345
JHI-500-M	800058	Base Model	230 / 1 / 60	4000	4 @ 50	1	0.5	1/3	5	1/2	9.3	15	21.125 x 21.625 x 28.625	310	345
JHI-500-M	800065	Deluxe Model	230 / 1 / 60	4000	4 @ 50	1	0.5	1/3	5	1/2	9.5	15	21.125 x 21.625 x 28.625	310	345
JHI-1000-M	800051	Base Model	230 / 1 / 60	12000	4 @ 50	2.5	1	1/3	10	1/2	17	25	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800316	Base + MAM + PRBV	230 / 1 / 60	12000	4 @ 75	2.5	1	1/3	10	1/2	17	25	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800593	Base Model	230 / 3 / 60	12000	4 @ 50	2.5	1.5	1/2	10	1/2	12	15	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800740	Base + MAM + PRBV	230 / 3 / 60	12000	4 @ 50	2.5	1.5	1/2	10	1/2	12	15	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800059	Base + MAM + PRBV	460 / 3 / 60	12000	4 @ 50	2.5	1	1/2	10	1/2	6.1	10	25.125 x 30.75 x 33.375	450	530
JHI-1500-M	800053	Base Model	230 / 1 / 60	18000	4 @ 50	2.8	1.5	1/3	10	1/2	24	30	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800392	Base + MAM + PRBV	230 / 1 / 60	18000	4 @ 50	2.8	1.5	1/3	10	1/2	24	30	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800545	Base Model	230 / 3 / 60	18000	4 @ 50	2.8	1.5	1/2	10	1/2	12	15	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800741	Base + MAM + PRBV	230 / 3 / 60	18000	4 @ 50	2.8	1.5	1/2	10	1/2	17	25	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800054	Base + MAM + PRBV	460 / 3 / 60	18000	4 @ 50	2.8	1.5	1/2	10	1/2	7.5	10	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800056	Deluxe Model	460 / 3 / 60	18000	4 @ 50	2.8	1.5	1/2	10	1/2	7.5	10	25.125 x 30.75 x 33.375	490	570
JHI-2000-M	800742	Base + MAM + PRBV	230 / 3 / 60	24000	10 @ 80	4	2	2	10	1	30	40	31.625 x 33.125 x 35.625	630	645
JHI-2000-M	800448	Base + MAM + PRBV	460 / 3 / 60	24000	10 @ 80	4	3	2	10	1	14	20	31.625 x 33.125 x 35.625	630	645

High Flow Configurations															
JHI-1000-M	800050	Base Model	230 / 1 / 60	12000	10 @ 35	2.5	1	1	10	1	21	25	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800498	Base Model	230 / 3 / 60	12000	10 @ 35	2.5	1	1	10	1	12.6	15	25.125 x 30.75 x 33.375	490	570
JHI-1000-M	800052	Base Model	460 / 3 / 60	12000	10 @ 35	2.5	1	1	10	1	7 / 8	10	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800060	Base + MAM	460 / 3 / 60	12000	10 @ 35	2.5	1	1	10	1	6.7	10	25.125 x 30.75 x 33.375	450	530
JHI-1000-M	800066	Deluxe Model	460 / 3 / 60	12000	10 @ 35	2.5	1	1	10	1	6.8	10	25.125 x 30.75 x 33.375	450	530
JHI-1500-M	800739	Base + MAM	230 / 3 / 60	18000	10 @ 35	2.8	1.5	1	10	1	18	25	25.125 x 30.75 x 33.375	490	570
JHI-1500-M	800062	Base + MAM	460 / 3 / 60	18000	10 @ 35	2.8	1.5	1	10	1	8.1	15	25.125 x 30.75 x 33.375	490	570
JHI-2000-M	800067	Base Model	230 / 1 / 60	24000	10 @ 35	4	3.5	1	10	1	34	45	31.625 x 33.125 x 35.625	630	645
JHI-2000-M	800068	Base Model	230 / 3 / 60	24000	10 @ 35	4	2	1	10	1	22	30	31.625 x 33.125 x 35.625	630	645
JHI-2000-M	800070	Base + MAM	460 / 3 / 60	24000	10 @ 35	4	3	1	10	1	10	15	31.625 x 33.125 x 35.625	630	645
JHI-2000-M	800072	Deluxe Model	460 / 3 / 60	24000	10 @ 35	4	3	1	10	1	10	12	31.625 x 33.125 x 35.625	630	645