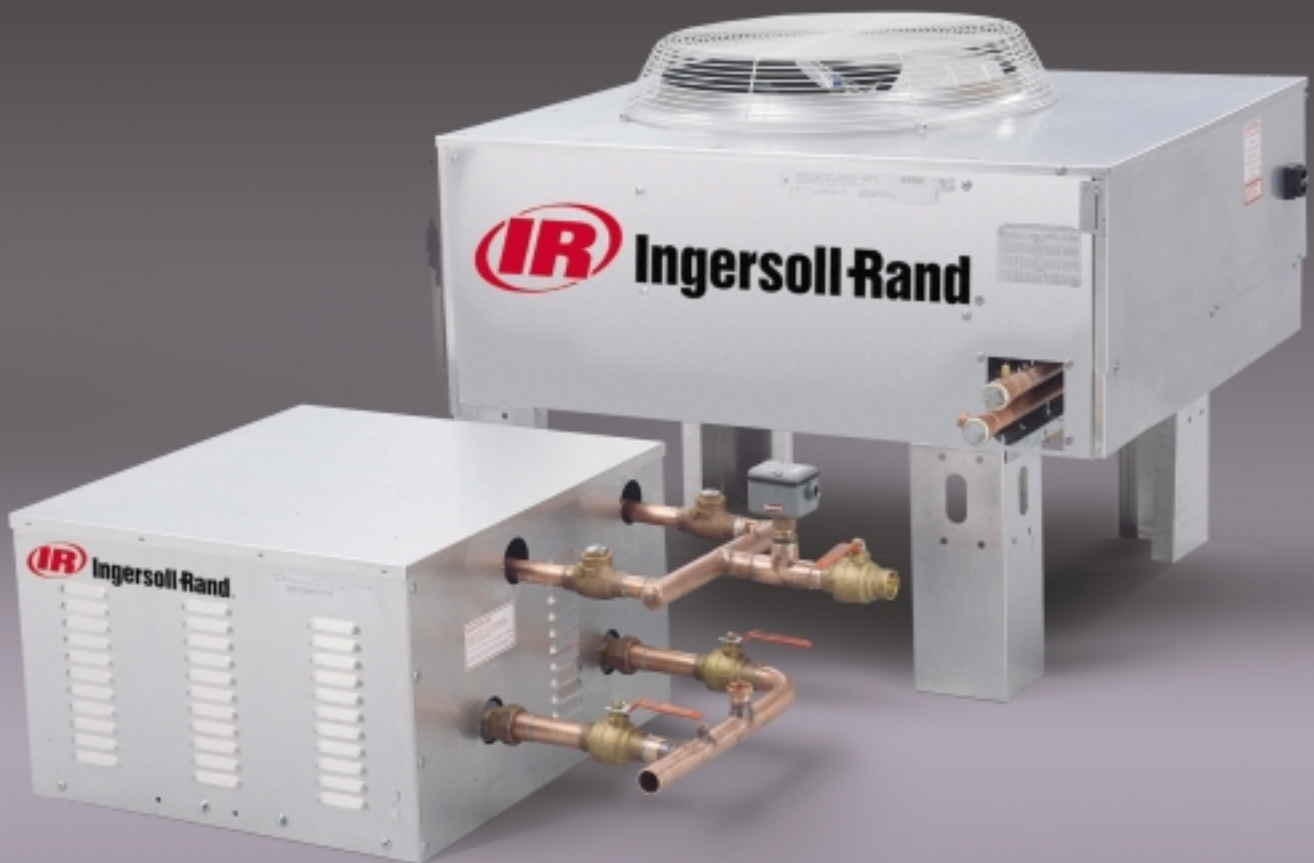


# Ingersoll-Rand®

## IR Closed Loop Fluid Coolers



**IR** Ingersoll-Rand®

# The IR Fluid Cooler

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The Ingersoll-Rand Dry Fluid Coolers are designed to meet your cooling requirements while minimizing or eliminating expensive water and sewer costs. All IR Fluid Coolers are UL/CSA approved and feature a weather-proof enclosure which contain all necessary electrical components.

**Casing** - Built to last with corrosion resistant bright aluminum sheet. The casing is divided by baffles, into individual fan sections, to ensure proper air distribution through the coils and maximize efficiency at part loads.



**Single and Dual Pump Module** - The module comes complete with industrial grade, close-coupled, centrifugal pumps. The pumps are mounted on a common base and include inlet and discharge piping with throttling, isolating, and check valves. Smaller pump models are housed in an aluminum enclosure. Automatic switch-over and pump failure alarm contacts are standard features.

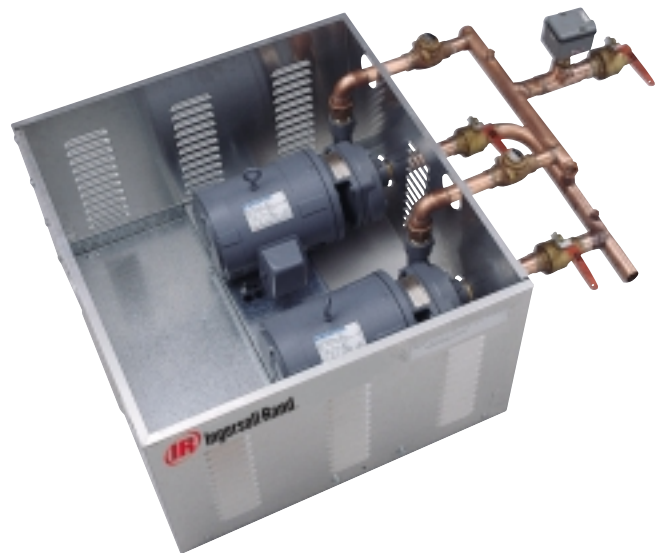
**Coils** - Constructed with copper tubes and aluminum fins for maximum performance. Coils are leak tested at 300 psig, dehydrated, evacuated, and sealed prior to shipment, to ensure safe, reliable operation.



**Fans** - Made from durable aluminum and balanced for quiet, vibration-free operation.

**Fan Motors** - 460 volt, 3/4 HP motor TEAO (Totally Enclosed Air Over) and mounted on rigid galvanized steel supports.

**Electrical Controls** - All electrical components are located in a weather-proof enclosure which is integral to the IR Cooler. A built-in disconnect is provided as a standard feature. Installation costs are greatly reduced. Fan cycling is also provided as an energy saving feature on all multi-fan coolers.



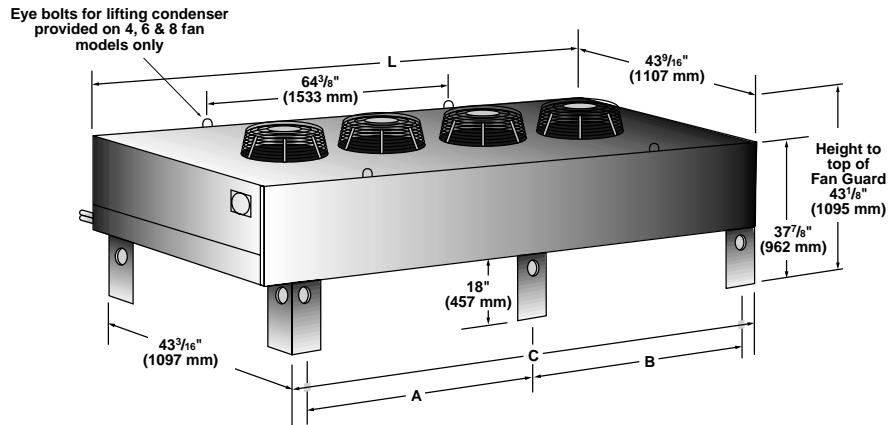
## IR Fluid Cooler Physical Data

IR2 Fluid Cooler	A	B	C	L	Rating BTU/Hr	# Fans and Motors**	CONN FNPT in/out
<b>Standard Models</b>							
IR2-069	42	-	44	51 1/2	57640	1	1 1/4
IR2-092	42	-	44	51 1/2	84700	1	1 1/2
IR2-109	42	-	44	51 1/2	100340	1	2
IR2-112	42	-	44	51 1/2	117320	1	2
IR2-139	82	-	84	91 1/2	123270	2	2
IR2-174	82	-	84	91 1/2	183910	2	2
IR2-197	82	-	84	91 1/2	225610	2	2
IR2-225	82	-	84	91 1/2	234070	2	2
IR2-260	122	-	124	131 1/2	260300	3	2
IR2-310	122	-	124	131 1/2	324410	3	2
IR2-350	122	-	124	131 1/2	406100	3	2
IR2-419	82	80	164	171 1/2	453410	4	2
IR2-466	82	80	164	171 1/2	483300	4	2 1/2
IR2-491	82	80	164	171 1/2	510610	4	2 1/2

\*\* Motors are 3/4 hp - standard models  
 • Rating based on 95°F entering air, 130°F entering fluid, 105°F leaving fluid, 40% glycol.

### Available Options Include:

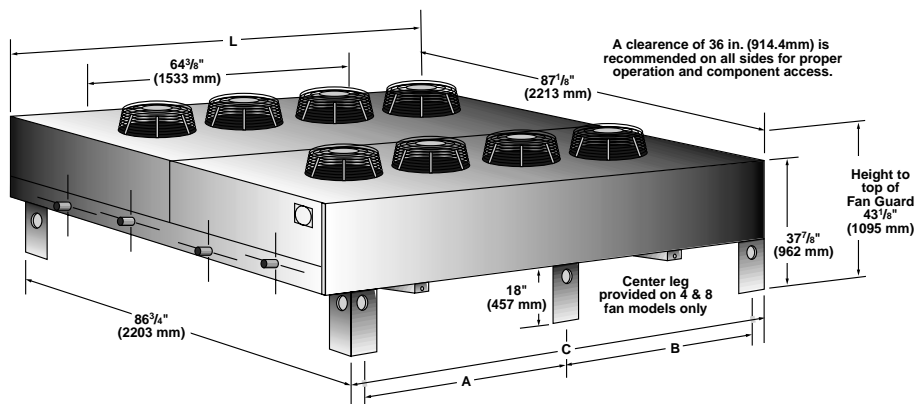
- single & dual pump packages
- trim cooler
- special voltages
- remote start/stop control
- thermostatic valve
- temperature and pressure gauges
- pump inlet strainer



## IR Fluid Cooler Physical Data

IR2 Fluid Cooler	A	B	C	L	Rating BTU/Hr	# Fans and Motors**	CONN FNPT in/out
<b>Standard Models</b>							
IR2-620	122	-	124	131 1/2	648820	6	2-2 1/8
IR2-650	122	-	124	131 1/2	723140	6	2-2 1/8
IR2-700	122	-	124	131 1/2	810670	6	2-2 1/8
IR2-790	82	80	164	171 1/2	906270	8	2-2 1/8
IR2-880	82	80	164	171 1/2	966290	8	2-2 5/8
IR2-940	82	80	164	171 1/2	1019620	8	2-2 5/8
IR2-1820 (See Eng. Page 11435.02A)					1647000	10	4-3 5/8***

\*\* Motors are 3/4 hp - standard models, except on IR2-1820 - Two hp motors are supplied.  
 \*\*\* 2 inlets & 2 outlets  
 • Rating based on 95°F entering air, 130°F entering fluid, 105°F leaving fluid, 40% glycol.



# More Than Answers. Solutions.

Online solutions: <http://www.irco.com>

Ingersoll-Rand air compressors are not designed, intended or approved for breathing air. Compressed air should not be used for breathing air applications unless treated in accordance with all applicable codes and regulations.

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