

Meridian

2AC14 14 SEER AIR CONDITIONERS



The Meridian 2AC14 series air conditioners utilize a very efficient and extremely durable Micro-Channel condenser coil. Used in tens of millions of cars and trucks as air conditioning evaporators and condensers, transmission coolers, and radiators, they have proved extremely reliable. Compared to conventional copper tube aluminum fin coils, Micro-Channel has proved superior in durability, corrosion resistance, and efficiency. Its superior efficiency allows for a more compact design. Micro-Channel gives you more air conditioner in less space. Be a step ahead with the Meridian 2AC14.

STANDARD FEATURES

COMPACT, HIGH EFFICIENCY DESIGN

POWDER PAINTED
GALVANIZED STEEL CASE WITH
FULL LOUVERED EXTERIOR

SOUND ABSORBING
INJECTION MOLDED TOP CAP

HIGH EFFICIENCY COMPRESSORS
SCROLLS ON 2.5-TON & LARGER

HIGH EFFICIENCY
MICRO-CHANNEL CONDENSER COIL

FACTORY SUPPLIED
LIQUID LINE FILTER DRIER

EASY ACCESS
BRASS SERVICE VALVES

ONE FOOT PRINT
2.0 THRU 5.0- TON SIZES

EASY SERVICE-ABILITY
A SINGLE SCREW OPENS
ELECTRICAL ACCESS PANEL

CONTRACTOR FRIENDLY
R-22 REFRIGERANT

EASIER COMPRESSOR SERVICE
MAXIMUM UNIT HEIGHT IS 36.5 IN.



10-YEAR LIMITED COMPRESSOR WARRANTY
5-YEAR LIMITED WARRANTY ON ALL FUNCTIONAL PARTS

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ALL ALUMINUM MICRO-CHANNEL CONDENSER COIL



What is Micro-Channel?

The Micro-Channel coil was developed by the automotive industry. It has been used in cars and trucks for over 25 years. The coil consists of multiple flat aluminum tubes containing precise channels the refrigerant flows through. Air passes over the flat tubes and the aluminum fins that are sandwiched between two layers of tubes and then brazed.

What are the benefits of Micro-Channel?

- More efficient than traditional copper /aluminum condensers, therefore smaller
- Uses about 40% less refrigerant than copper/aluminum condensers
- Greatly reduced brazed connections – less chance for leaks
- Much tougher than copper/aluminum. Standing on the coil does not bend the fins.
- The smaller coil allows for a smaller cabinet, less metal, less refrigerant, less freight, and less warehouse space.

Why is Micro-Channel More Efficient?

The Micro-Channel provides more surface area for the air to contact and the air is in contact with the flat tube longer than a round tube. This provides better heat transfer. The fins are braised to the flat tubes which improves heat transfer than mechanically fitted aluminum fins on copper tubes. Micro-Channel offers less resistance to the airflow allowing more air to pass through the coil will less fan capacity.



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Designed by contractors, for contractors!



Removing.....

just one screw

and the electrical control box cover slides down giving full access to all operating controls!



UNIT SPECIFICATIONS

	2	2.5	3	3.5	4	5
Nominal Capacity	2	2.5	3	3.5	4	5
Model Number	2AC14024	2AC14030	2AC14036	2AC14042	2AC14048	2AC14060
Rated BTUH	23000	29000	34500	40500	45000	55000
SEER	14.0	14.0	14.0	14.0	14.0	14.0
Compressor Type	Recip.	Compliant Scroll				
Compressor Manufacturer	Copeland					
Condensing Coil	Aluminum Micro Channel					
Liquid Line Connection	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Connection	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
Refrigerant	R-22	R-22	R-22	R-22	R-22	R-22
Cabinet	Fully Louvered Galvanized Steel with Powder Coat Protection					

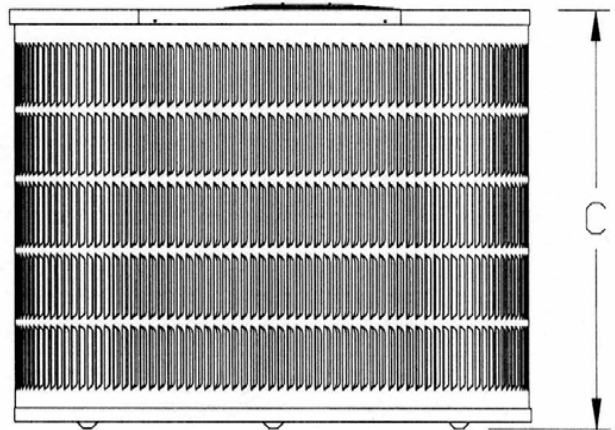
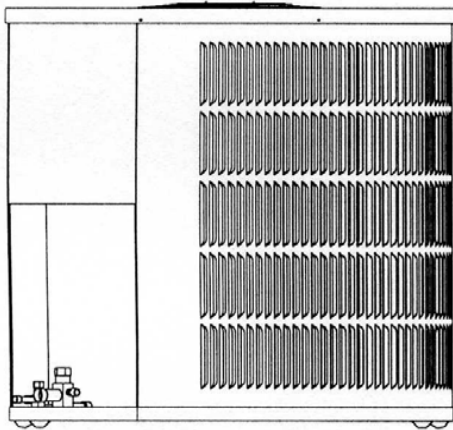
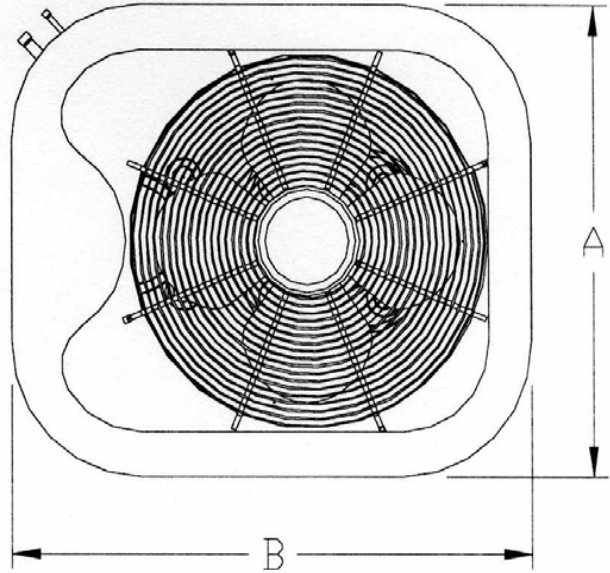


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2AC14 DIMENSIONS

MODEL	A	B	C
2AC14024	31.25	36.25	20.5
2AC14030	31.25	36.25	20.5
2AC14036	31.25	36.25	24.5
2AC14042	31.25	36.25	24.5
2AC14048	31.25	36.25 </td <td>28.5</td>	28.5
2AC14060	31.25	36.25	36.5

All measurements noted in inches



ELECTRICAL CHARACTERISTICS

Model Number	Phase	Freq. (Hz)	Voltage	Compressor		Fan Motor Full Load Amps	Minimum Circuit Amperes	Fuse/HACR Circuit Breaker	
				Rated Amperes (RLA)	Locked Amperes (LRA)			Min	Max
2AC14024	1	60	208/230	8.6	40	0.8	14/13	15/15	25/25
2AC14030	1	60	208/230	13.6	63	0.8	21/19	25/20	30/30
2AC14036	1	60	208/230	15.0	73	0.8	22/20	25/25	35/35
2AC14042	1	60	208/230	17.9	88	1.5	27/25	30/30	40/40
2AC14048	1	60	208/230	20.0	104	1.5	30/27	35/30	40/40
2AC14060	1	60	208/230	22.1	137	1.8	33/30	40/35	45/45

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