

RE/REU Remote Evaporators

The new RE/REU remote evaporators are draw-through, ductable cooling units with rotatable, variable-speed blowers and integral water-displacing condensate pans. Model RE is equipped with a shaded pole blower. While model REU has a high efficiency PSC blower in which the motor is concealed. Models are available in capacities from 4-36K for RE units and 4-16K for REU's.

This type of DX evaporator is typically installed low in a closet, cabinet, or other enclosed space, with discharge air ducted to one

or more grills high in the cabin. One or two evaporators can be used with a single Cruisair type condensing unit of matched capacity; contact the Cruisair Applications department for assistance in design, prior to installation.

RE/REU units can be installed with a combination of plenums and flexible duct, or built-in ductwork may be used, to deliver discharge air to one or more outlet grills. The included hose adapter (4-24K units) is used to connect flexible duct to the blower outlet. If using built-in ductwork, a flexible transition between the blower and duct should be installed.

A mounting kit is included with the RE/REU unit to ease installation and provide vibration isolation. The blower is supported by a sturdy aluminum bracket with isolation grommets to further reduce possible vibration.

Blowers, used on RE and REU units, can be rotated so the discharge air is easily ducted. On model REU, the PSC (permanent split capacitor) motor is internal to the blower housing, which creates a narrower unit and promotes quieter operation than a blower with an external motor used on RE units. The PSC blower also performs in higher static pressure conditions favorably.

The condensate pan, blower housing, and all other metal surfaces over which air passes are covered with insulating foam which reduces noise and secondary condensation.

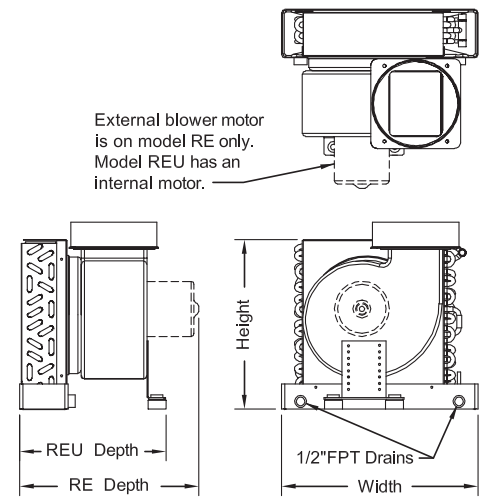
The condensate pan has an anti-slosh, antifungal foam lining. The "positive flow" condensate pan is designed to displace condensation through two 1/2" FPT drains, which are located on the rear of the pan (blower side). Condensate removal is accomplished by the condensate pan's unique raised center.

Cruisair DX evaporators can be controlled using the new SMXht or SMXir keypad/displays operating on the SMX II or SMX Net microprocessor control systems. Or a mechanical rotary-knob switch assembly is also available.

Features

- Compact ductable cooling or heating unit
- Rotatable, variable speed blower
- Insulated condensate pan with anti-slosh, antifungal foam lining
- Air filter included
- "Positive Flow" water displacing condensate pan
- High efficiency evaporator coil
- Larger blower inlet for increased air flow across coil
- Single piece shroud and coil enclosure
- Hose adapter included on 4-24K units
- Blower bracket with vibration isolation grommets installed
- Mounting kit included
- Increased metal thickness on structural parts for strength
- For use with water-cooled and air-cooled condensers. Air-cooled product line is limited to models 4-16.

Unit Capacity (BTU/Hr)	Minimum Grill Sizes (sq in/cm)		Min. Duct (in/mm)
	Return	Disch.	
4,000	64/413	32/206	4/102
5,000	64/413	32/206	4/102
7,000	80/516	45/290	5/127
8,000	89/574	47/303	5/127
10,000	100/645	60/387	6/152
12,000	130/839	70/452	6/152
16,000	160/1032	80/516	7/178
20,000	200/1290	110/710	9/229
24,000	240/1548	140/903	9/229
30,000	350/2258	170/1097	10/254
36,000	360/2323	196/1265	10/254

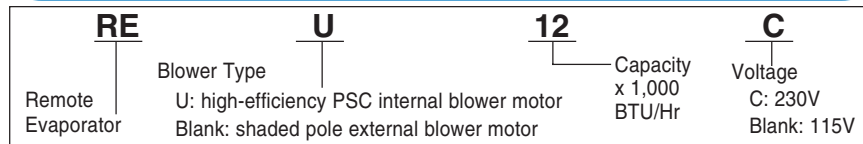


TECHNICAL SPECIFICATIONS

Item Number	Model Number	Capacity	Voltage (50/60Hz)	Blower Amps	Height (in/mm)		Width (in/mm)		Depth (in/mm)		Weight (lb/kg)		Air Flow (cfm/cmh)	
715000400	RE4	4,000	115	1.00	9.25	234.95	12.50	317.50	10.25	260.35	10.00	4.54	133	225.99
715010401	RE4C		230	0.51									166	282.07
715000501	RE5	5,000	115	1.00	11.25	285.75	13.75	349.25	11.63	295.40	14.00	6.35	233	395.91
715010500	RE5C		230	0.51									266	451.99
715000700	RE7	7,000	115	1.95	11.25	285.75	13.75	349.25	11.63	295.40	14.00	6.35	233	395.91
715010701	RE7C		230	0.83									266	451.99
715000801	RE8	8,000	115	1.95	11.25	285.75	14.25	361.95	13.38	339.85	18.50	8.39	333	565.83
715010800	RE8C		230	0.83									400	697.68
715001002	RE10	10,000	115	3.40	11.25	285.75	14.25	361.95	13.38	339.85	18.50	8.39	333	565.83
715011000	RE10C		230	1.45									400	697.68
715001201	RE12	12,000	115	3.40	13.25	336.55	15.75	400.05	14.25	361.95	22.00	9.98	533	905.67
715011202	RE12C		230	1.45									533	905.67
715001600	RE16	16,000	115	3.25	18.25	463.55	19.75	501.65	16.50	419.10	35.00	15.88	667	1133.40
715011603	RE16C		230	1.80									800	1359.40
715012001	RE20C	20,000	230	0.80	20.25	514.35	19.75	501.65	17.50	444.50	42.00	19.05	1000	1699.20
715012403	RE24C	24,000	230	0.80									1200	2039.00
715013000	RE30C	30,000	230	4.00	9.25	234.95	12.50	317.50	9.25	234.95	10.00	4.54	133	225.99
715013601	RE36C	36,000	230	8.00									166	282.07
715000401	REU4	4,000	115	0.78	11.25	285.75	13.75	349.25	10.00	254.00	14.00	6.35	233	395.91
715010402	REU4C		230	0.51									266	451.99
715000502	REU5	5,000	115	0.78	11.25	285.75	14.25	361.95	11.75	298.45	18.00	8.16	333	565.83
715010501	REU5C		230	0.51									400	697.68
715000701	REU7	7,000	115	1.74	13.25	336.55	15.75	400.05	11.75	298.45	24.00	10.89	533	905.67
715010702	REU7C		230	0.98									533	905.67
715000802	REU8	8,000	115	1.74	11.25	285.75	14.25	361.95	11.75	298.45	18.00	8.16	333	565.83
715010801	REU8C		230	0.98									400	697.68
715001003	REU10	10,000	115	1.32	13.25	336.55	15.75	400.05	11.75	298.45	24.00	10.89	533	905.67
715011001	REU10C		230	0.66									533	905.67
715001202	REU12	12,000	115	1.12	13.25	336.55	15.75	400.05	11.75	298.45	24.00	10.89	533	905.67
715011203	REU12C		230	0.56									533	905.67
715001601	REU16	16,000	115	2.09	13.25	336.55	15.75	400.05	11.75	298.45	24.00	10.89	533	905.67
715011604	REU16C		230	0.56									533	905.67

Hose adapter Height = 2.0937" additional to height of blower outlet

INTERPRETING MODEL NUMBERS



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