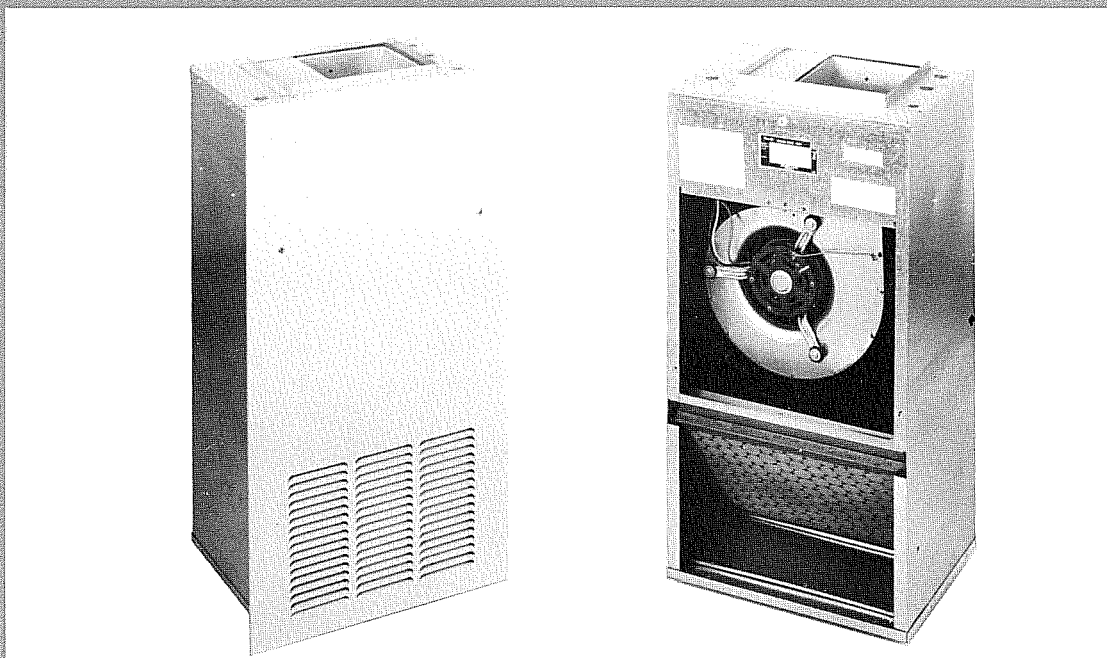


Series RVT
Vertical Fan Coil
Economaster



FIRST CO.

Cost-Cutting Wall-Recessed Fan Coil Units 1½ Ton thru 3 Ton Sizes



The **ECONOMASTER** is designed to provide the builder with the optimum low cost heating and cooling system. Savings are realized by the elimination of an equipment closet. Saves interior closet finishing — no dry wall . . . no taping and bedding . . . no painting. Saves closet door framing. Saves closet door. The **ECONOMASTER** comes from the factory with a finished wall panel that quickly attaches to the unit and provides a return air grille and complete ready access to all unit components for servicing. Direct expansion cooling 1½ to 3 ton sizes. Resistance electric heating 3 KW to 15 KW.

Cabinet — Constructed of heavy gauge galvanized steel with fully insulated interior surfaces.

Wall Panel — Galvanized steel construction with stamped return air louvers. Finished with rugged epoxy paint. Off-white is standard color.

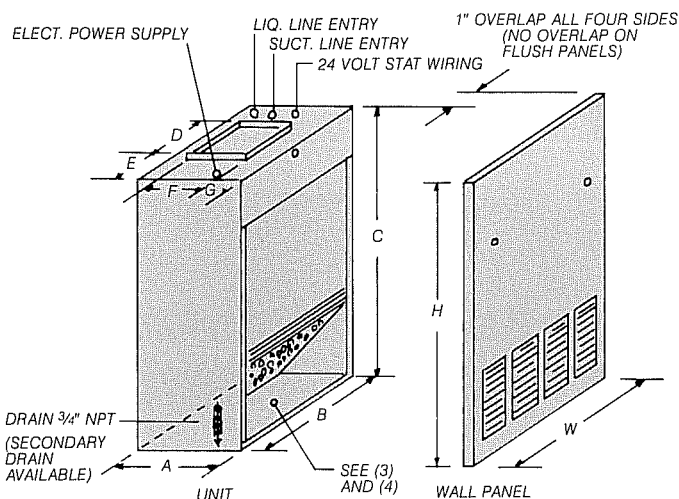
Coils — Fabricated of copper tubes mechanically expanded to highly efficient aluminum fins to maximize heat transfer. Capillary tubes, strainer, and sweat fittings are standard.

Electrical — Completely factory wired, installation consists only of bringing power supply to the unit and running low voltage wiring to the thermostat. Control components are completely silent, no contactors banging on or off. Heating elements of top quality nickel-chromium wire. All elements are provided with in-line fuse links for an optimum over temperature safety system.

Motors/Blowers — Dynamically balanced blower assures smooth, quiet performance. Motors are provided with oil tubes for periodic oiling to assure optimum life.

Filter — Removable throwaway filter — standard with all models.

DIMENSIONAL DATA



All technical specifications
subject to change without notice.

PHYSICAL DIMENSIONS

MODEL	A	B	C	D	E	F	G	FILTER SIZE	LIQUID LINE	SUCTION LINE
18/24 RVT	16 $\frac{1}{8}$	20 $\frac{1}{8}$	39 $\frac{1}{4}$	12 $\frac{1}{2}$	4 $\frac{3}{8}$	10 $\frac{3}{8}$	3 $\frac{3}{4}$	16 × 20 × 1	$\frac{3}{8}$ " O.D.	$\frac{5}{8}$ " O.D.
30/36 RVT	21 $\frac{1}{8}$	24 $\frac{1}{8}$	44 $\frac{1}{4}$	12 $\frac{1}{2}$	6 $\frac{3}{8}$	12	4 $\frac{1}{8}$	20 × 24 × 1	$\frac{3}{8}$ " O.D.	$\frac{5}{8}$ " O.D.

Coil Connections — Sweat

BLOWER DATA

MODEL	FAN SPEED	DUTY	VOLTS	CFM VS. STATIC PRESSURE					
				0.05	0.10	0.15	0.20	0.25	0.30
18RVT	HIGH	COOL	240	725	705	680	655	635	605
			208	700	680	655	635	610	585
	LOW	HEAT	240	695	675	655	635	610	590
			208	670	650	625	605	580	555
24RVT	HIGH	COOL	240	820	805	790	770	750	735
			208	735	725	715	700	685	670
	LOW	HEAT	240	710	705	695	685	675	660
			208	605	600	595	585	580	570
30RVT	LOW	COOL	240	1065	1060	1055	1050	1035	1020
			208	925	920	915	910	900	890
	LOW	HEAT	240	1065	1060	1055	1050	1035	1020
			208	925	920	915	910	900	890
36RVT	HIGH	COOL	240	1255	1235	1215	1195	1175	1150
			208	1110	1105	1095	1085	1070	1055
	LOW	HEAT	240	1070	1060	1055	1050	1035	1020
			208	1000	995	985	970	955	940

PERFORMANCE DATA

MODEL	NOM. CFM	(1) NOM. COOL BTUH	HEATING CAPACITY				TOTAL AMPS		MIN. CIR. AMPACITY		MAX. FUSE OR BREAKER (HACR)	
			KW		BTUH							
			240V	208V	240V	208V	240V	208V	240V	208V	240V	208V
18RVT & 24RVT	600	18000	0	0	0	0	3.0	2.6				
			3	2.3	10,200	7,800	16	14	20	18	20	20
			4	3.0	13,600	10,200	20	17	25	22	25	25
	800	24000	5	3.8	17,000	13,000	24	21	30	27	30	30
			6	4.5	20,500	15,300	28	25	35	31	35	35
			8	6.0	27,300	20,500	36	32	47	40	50	40
10-240			10	7.5	34,100	25,600	45	39	56	49	60	50
30RVT & 36RVT	1000	30000	0	0	0	0	2.5	2.3				
			3	2.3	10,200	7,800	15	14	19	17	20	20
			4	3.0	13,600	10,200	19	17	24	22	25	25
			5	3.8	17,000	13,000	24	21	30	26	30	30
	1200	36000	6	4.5	20,500	15,300	28	25	35	31	35	35
			8	6.0	27,300	20,500	36	32	47	40	50	40
			10	7.5	34,100	25,600	45	39	56	49	60	50
			15 ⁽²⁾	11.3	51,100	38,500	65	57	82	71	90	80

(1) Nom. cooling at 45° suct. temp. 80 DB/67 WB air on. (2) 15 KW units have factory installed fuses.

WALL PANEL DIMENSIONS

WALL PANEL PART NO.	USED ON UNIT MODEL	SIZE W" × H"	TYPE
901	18/24 RVT	22 × 41	LOUVERED
901-1	18/24 RVT	22 × 41	NON-LOUVERED
902	30/36 RVT	26 × 46	LOUVERED
902-1	30/36 RVT	26 × 46	NON-LOUVERED

FLUSH PANEL DIMENSIONS (Closet Application)

901-2	18/24 RVT	B × C	SOLID
902-2	30/36 RVT	B × C	SOLID

NOTES:

- (1) All wall units are furnished standard with the louvered panel. If non-louvered panel is required, order must specify.
- (2) Flush mount doors are available so unit may be installed as a vertical closet unit. Units are bottom entry.



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