

MHE Series

Vertical / Horizontal Air Handler
Chilled Water - with electric heat
2 - 5 tons, 0 - 25KW



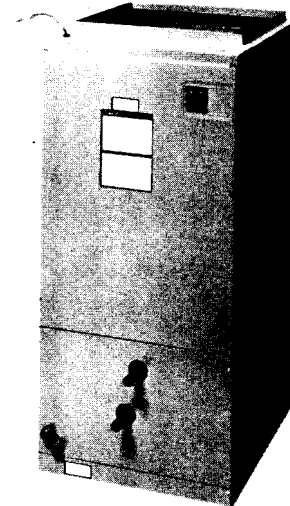
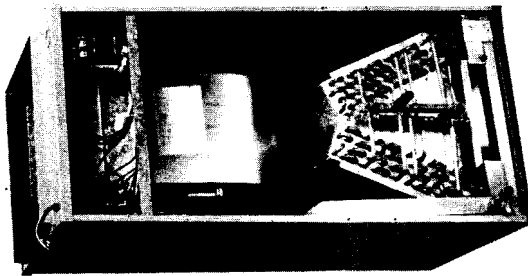
Description :

The MHE series air handler is designed to offer the industry an air handler that includes every available feature as well as the highest efficiency possible. The MHE is completely factory assembled with a chilled water cooling coil, electric heat (except 0KW models), 240V motor, relay / transformer, horizontal drain pan, electrical disconnect (above 10KW models), and throwaway filter. All components are installed within a fully insulated, galvanized steel cabinet with an attractive epoxy finish.

Maximum efficiency

Maximum cooling

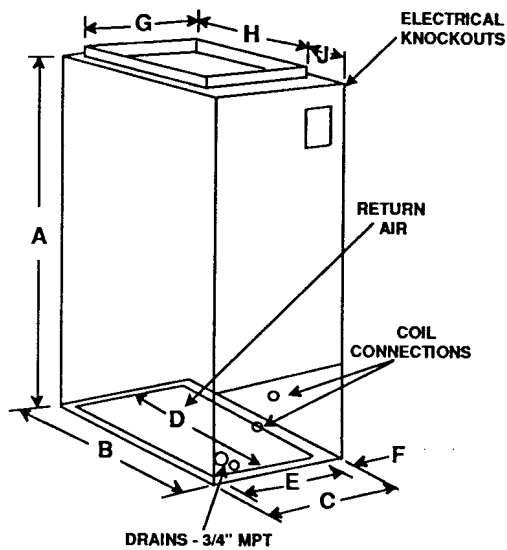
Maximum features



FEATURES:

1. Completely prewired with 0-25KW electric heat (except 0KW models)
2. High efficiency copper tube chilled water coil (4 row)
3. Throwaway filter
4. Fully insulated and painted galvanized steel cabinet
5. 24/240V. relay / transformer for low voltage control
6. Factory installed horizontal drain pan (airflow from right to left)
7. Factory installed electrical disconnect (except 0KW models)
8. Primary and secondary condensate drains

MHE Series



PHYSICAL DIMENSIONS											
UNIT MODEL	A	B	C	D	E	F	G	H	J	MANIFOLD CONNECTIONS	FILTER
24MHE	40	20	20	18-1/2	16	2	18	16	3	7/8 SWEAT	18 x 20 x 1
36MHE	42	23	20	21-1/2	16	2	18	17	5	7/8 SWEAT	20 x 22 x 1
48/60MHE	48	28	21-1/4	26-1/4	17	2	19-7/8	18-1/2	8-7/8	1-1/8 SWEAT	20 x 25 x 1

BLOWER DATA										
UNIT MODEL	FAN SPEED	DUTY	MOTOR H.P. (240V)	CFM vs. EXTERNAL STATIC PRESSURE						
				0.10	0.15	0.20	0.25	0.30	0.40	0.50
24MHE	HIGH LOW	COOL HEAT	1/6	900	880	860	830	790	700	600
				740	710	690	660	630	570	490
36MHE	HIGH LOW	COOL HEAT	1/3	1410	1380	1340	1310	1270	1190	1060
				1170	1150	1130	1100	1080	1030	970
48MHE	HIGH MED LOW	COOL COOL HEAT	1/2	1760	1730	1680	1640	1580	1480	1360
				1490	1460	1430	1400	1370	1300	1210
60MHE	HIGH LOW	COOL HEAT	3/4	2130	2110	2090	2060	2025	1930	1820
				1690	1680	1660	1640	1620	1580	1540

All technical specifications subject to change without notice.

ELECTRICAL DATA											
UNIT MODEL	ELECTRIC HEAT CAPACITY				TOTAL AMPS		MIN. CIR. AMPACITY		MAX. FUSE OR HACR BREAKER		
	KW		BTUH								
	240V	208V	240V	208V	240V	208V	240V	208V	240V	208V	
24MHE	0	0	0	0	1.6						
	3	3	2.3	10,200	7,700	14	13	18	16	20	
	4	4	3	13,600	10,200	19	16	23	20	20	
	5	5	3.8	17,000	13,000	23	20	28	25	25	
	6	6	4.5	20,500	15,400	27	24	36	29	40	
	8	8	6	27,300	20,500	35	31	46	38	50	
36MHE	10	10	7.5	34,100	25,600	44	38	54	47	60	
	0	0	0	0	2.5						
	5	5	3.8	17,000	13,000	24	21	30	26	30	
	8	8	6	27,300	20,500	36	32	46	40	50	
	10	10	7.5	34,100	25,600	45	39	56	49	60	
	(1) 15	15	11.3	51,100	38,500	45	39	56	49	60	
48MHE	(1) 15	15	11.3	51,100	38,500	45	39	56	49	60	
	0	0	0	0	3.5						
	5	5	3.8	17,000	13,000	25	22	30	27	30	
	8	8	6	27,300	20,500	37	33	47	40	50	
	10	10	7.5	34,100	25,600	46	40	57	50	60	
	(1) 15	15	11.3	51,100	38,500	46	40	57	50	60	
	(1) 15	15	11.3	51,100	38,500	46	40	57	50	60	
	(1) 20	20	15	68,200	51,100	46	40	57	50	60	
	(1) 20	20	15	68,200	51,100	46	40	57	50	60	
	(1) 25	25	18.75	85,250	63,900	42	36	53	46	60	
	(1) 25	25	18.75	85,250	63,900	42	36	53	46	60	
	60MHE	(1) 25	25	18.75	85,250	63,900	42	36	53	46	60
0		0	0	0	6.0						
5		5	3.8	17,000	13,000	27	24	34	30	35	
8		8	6	27,300	20,500	40	35	49	44	50	
10		10	7.5	34,100	25,600	48	42	60	53	60	
(1) 15		15	11.3	51,100	38,500	48	42	60	53	60	
(1) 15		15	11.3	51,100	38,500	48	42	60	53	60	
(1) 20		20	15	68,200	51,100	48	42	60	53	60	
(1) 20		20	15	68,200	51,100	48	42	60	53	60	
(1) 25		25	18.75	85,250	63,900	42	36	53	46	60	
(1) 25		25	18.75	85,250	63,900	42	36	53	46	60	

NOTES:

- 15KW and 20KW models require 2 supply circuits. 25KW models require 3 supply circuits.
- Units suitable for installation with 0" clearance to combustible material.



PERFORMANCE DATA

UNIT MODEL	CFM	GPM	P.D. FT. WTR.	45°F ENTERING WATER						42°F ENTERING WATER					
				80°F DB/67°F WB ENT. AIR			75°F DB/63°F WB ENT. AIR			80°F DB/67°F WB ENT. AIR			75°F DB/63°F WB ENT. AIR		
				TOTAL MBH	SENS. MBH	TEMP. RISE	TOTAL MBH	SENS. MBH	TEMP. RISE	TOTAL MBH	SENS. MBH	TEMP. RISE	TOTAL MBH	SENS. MBH	TEMP. RISE
24MHE	600 (LOW)	3.0	2.5	19.0	13.8	12.7	14.5	12.1	9.7	20.7	14.4	13.8	15.8	12.6	10.5
		4.5	5.5	22.4	15.1	9.9	17.1	13.1	7.6	24.4	15.9	10.8	18.6	13.7	8.3
		6.0	9.5	24.4	15.9	8.2	18.7	13.7	6.2	26.6	16.8	8.9	20.3	14.4	6.8
	800 (HIGH)	3.5	3.4	23.1	17.3	13.2	17.6	15.2	10.1	25.2	18.1	14.4	19.2	15.8	11.0
		5.0	6.7	26.9	18.7	10.7	20.5	16.3	8.2	29.3	19.6	11.7	22.4	17.1	8.9
		6.5	11.0	29.2	19.6	9.0	22.3	17.0	6.9	31.8	20.6	9.8	24.3	17.8	7.5
36MHE	1000 (LOW)	4.0	2.4	28.3	21.6	14.1	21.6	19.0	10.8	30.8	22.5	15.4	23.6	19.7	11.8
		6.0	4.8	33.9	23.7	11.3	25.9	20.6	8.6	36.9	24.8	12.3	28.2	21.6	9.4
		8.0	7.9	37.3	25.0	9.3	28.5	21.7	7.1	40.6	26.3	10.2	31.0	22.7	7.8
	1200 (HIGH)	5.0	3.5	33.7	25.5	13.5	25.8	22.4	10.3	36.8	26.6	14.7	28.1	23.3	11.3
		6.5	5.5	38.0	27.1	11.7	29.1	23.7	8.9	41.5	28.4	12.8	31.7	24.7	9.7
		8.0	7.9	41.0	28.2	10.3	31.3	24.6	7.8	44.7	29.6	11.2	34.1	25.7	8.5
48MHE	1400 (MED)	4.5	2.0	36.2	29.2	16.1	27.7	25.8	12.3	39.5	30.3	17.6	30.1	26.7	13.4
		6.0	3.3	42.4	31.4	14.1	32.4	27.6	10.8	46.2	32.8	15.4	35.3	28.7	11.8
		7.5	4.8	46.9	33.1	12.5	35.8	28.9	9.6	51.1	34.7	13.6	39.0	30.2	10.4
	1600 (HIGH)	6.0	3.3	44.2	34.1	14.7	33.8	30.0	11.3	48.2	35.5	16.1	36.8	31.2	12.3
		8.0	5.4	51.0	36.6	12.7	38.9	32.0	9.7	55.5	38.3	13.9	42.4	33.4	10.6
		10.0	7.9	55.7	38.4	11.1	42.5	33.4	8.5	60.7	40.3	12.1	46.3	34.9	9.3
60MHE	1600 (LOW)	6.5	3.8	46.1	34.8	14.2	35.2	30.6	10.8	50.3	36.3	15.5	38.4	31.8	11.8
		8.5	6.0	52.3	37.1	12.3	39.9	32.4	9.4	57.0	38.8	13.4	43.5	33.8	10.2
		10.5	8.6	56.6	38.7	10.8	43.2	33.7	8.2	61.7	40.7	11.8	47.1	35.2	9.0
	2000 (HIGH)	7.0	4.3	52.4	40.9	15.0	40.0	36.1	11.4	57.1	42.6	16.3	43.6	37.4	12.5
		10.0	7.9	61.7	44.3	12.3	47.1	38.8	9.4	67.3	46.4	13.5	51.4	40.5	10.3
		13.0	12.5	67.5	46.5	10.4	51.6	40.5	7.9	73.6	48.8	11.3	56.2	42.4	8.6

NOTES:

1. Motors are two-speed direct drive (48 is 3 speed) and factory wired for high speed cooling, low or medium speed for heating.
2. Contact factory for capacities at other conditions.
3. All coils are 4 row.