

FIELD INSTALLED HEATER KITS FOR AH AIR HANDLERS

MODEL NO.	PHASE	K.W. @ 240V	MBTUH @ 208/240 V
7603-707	1	5	12.6 / 17.1
7603-708	1	7.5	19.1 / 25.6
7603-709	1	10	25.6 / 34.1
7603-710	1	15	38.4 / 51.2
7603-711	1	20	51.2 / 68.2
7603-712	3	11	28.6 / 38.3
7603-713	3	15	38.4 / 51.2

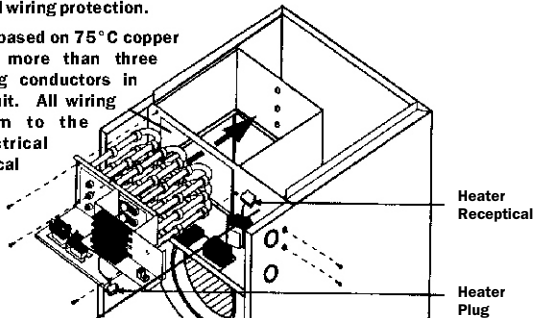
1. **AMPACITIES** and over current protection based on largest air handler motor load. Refer to specific name plate for exact ampacity and overcurrent protection size. Minimum wire ampacity values are used for sizing field power conductors. Refer to the National Electric Code (latest version), Article 310, for sizing conductors.

NOTE: when more than three current-carrying conductors are in the same conduit, the conductor's ampacity must be derated. See Note 8 of Table 310 for ampacity adjustment factors.

2. **MAXIMUM FUSE SIZE** for HACR-type circuit breaker for field wiring protection.

3. **WIRE SIZE** based on 75°C copper wire with no more than three current-carrying conductors in the same conduit. All wiring must conform to the National Electrical Code and all local codes.

NOTE: 25KW factory installed only Special order.



AIR HANDLER DEPICTED WITH OPTIONAL ELECTRIC HEAT INSTALLED

AIR HANDLER AIR FLOW DATA

UNIT MODEL	MOTOR SPEED	CFM @ EXTERNAL DUCT STATIC (IN. W.C.)				
		.4	.5	.6	.7	.8
08	HIGH	870	815	745	640	440
	MED	765	720	650	400	N/A
	LOW	670	615	515	N/A	N/A
12	HIGH	1310	1220	1045	850	600
	MED	1225	1115	945	740	595
	LOW	965	870	755	620	480
16	HIGH	1790	1740	1690	1630	1540
	MED	1435	1420	1380	1335	1290
	LOW	1140	1130	1120	1100	1085
21	HIGH	2230	2105	1990	1895	1725
	MED	1950	1930	1840	1770	1590
	LOW	1360	1350	1340	1185	1080

Air flow shown at the following conditions:

1. No coil in air handler. See coil specifications for indoor coil pressure drop. This must be subtracted from the available static pressure to obtain air volume with coil in place.
2. No heat elements in Air Handler, decrease CFM 1% for each element installed in the Air Handler.
3. 230 volts, decrease CFM 6% for 208 volt operation.
4. Standard Air Handler Filter.

MODEL NUMBER IDENTIFICATION GUIDE

MODEL SERIES: AH 12: Nominal Air Handling Capacity in 100's of CFM
VINTAGE SERIES: B

1=1 PHASE 10 - KW rating, factory installed heat
3=3 PHASE

Specifications and performance data subject to change without notice.

HEATER KIT SPECIFICATIONS

KW 240 VAC	PHASE	NO. OF SUPPLY CIRCUITS	MBTUH 208/240	HEAT LOAD AMPS	SINGLE CIRCUIT SUPPLY				DUAL CIRCUIT SUPPLY																
					MIN WIRE ¹ AMPACITY	MAX FUSE ² SIZE	WIRE SIZE ³ AWG MM2	GROUND SIZE ³ AWG MM2	MIN WIRE ¹ AMPACITY			MAX FUSE ² SIZE			WIRE SIZE ³			GROUND SIZE ³							
									CKT 1	CKT 2	CKT 3	CKT 1	CKT 2	CKT 3	CKT 1	CKT 2	CKT 3	CKT 1	CKT 2	CKT 3	CKT 1	CKT 2	CKT 3		
0	1	1	--	--	5.0	15	14	2.1	14	2.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
5	1	1	12.6 / 17.1	20.9	30	30	10	5.9	10	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
7.5	1	1	19.1 / 25.6	31.3	43	50	8	8.4	10	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10	1	1	25.6 / 34.1	41.7	57	60	6	13.3	10	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
11	3	1	28.6 / 38.3	27.1	38	40	8	8.4	10	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
15	1	1 or 2	38.4 / 51.2	62.5	83	90	4	21.2	8	8.4	57	26	---	---	60	30	---	6	13.3	10	5.3	---	---	---	
15	3	1	38.4 / 51.2	36.1	50	50	8	8.4	10	5.3	---	---	---	---	---	---	---	---	---	---	10	5.3	10	5.3	
20	1	1 or 2	51.2 / 68.2	83.4	109	110	2	33.6	6	13.3	57	53	---	---	60	60	---	6	13.3	6	13.3	10	5.3	10	5.3
25	1	3	85.3 / 63.7	104.2	---	---	---	---	---	---	57	53	26	---	60	60	30	6	13.3	6	13.3	10	5.3	10	5.3



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