

### **Rheem Commercial Air Handler**



### **RHGM Series**

Featuring 2-Stage Airflow Nominal Sizes 7.5 & 10 Ton [26 & 35 kW]







### **TABLE OF CONTENTS**

Unit Features	3
Model Number Identification	4
Component Location	5
Unit Dimensions	6
Physical Data/Drive Package Data	7
Airflow Performance	8-10
Performance Data	11
Electric Heater Kits and Electric Data	12-13
Accessories	14-20
Piping	21
Guide Specifications	22
Limited Warranty	23



**CABINET**—Unit cabinet should be constructed of galvanized, pre-painted steel.

**MOTOR**—Inherently protected motors are mounted inside of insulated cabinet to reduce motor noise. A choice of motor horsepowers and drive combinations are available to allow you to meet specified CFM at various static pressures up to 2" [.498 kPa] external static pressure.

**LOW PROFILE**—Allows for horizontal installation in most standard drop ceiling applications, and the movement of units through most standard doorways for addition or replacement work.

THERMAL EXPANSION VALVES—Standard all models.

**FILTERS**—One inch [25 mm] throwaway filters are standard, but filter racks are designed to accept either one inch [25 mm] or two inch [51 mm] filters.

**EVAPORATOR COIL**—Two circuit, interlaced row split coils are constructed with copper tubes and aluminum fins mechanically bonded to the tubes for maximum heat transfer capabilities. All coil assemblies are leak tested up to 450 PSIG [3100 kPa] internal pressure prior to installation into units.

**REFRIGERANT CONNECTIONS**—Field piping connections are made through a fixed post between two side access panels on either side of the unit. Allows flexibility to meet most field conditions as well as full accessibility after the installation is complete. Units may be used with two straight cool condensing units or single circuit manifolded in the field using the copper fittings shipped with each unit. The RHGM Air Handler has not been tested, rated or certified to operate with dual residential remote heat pumps.

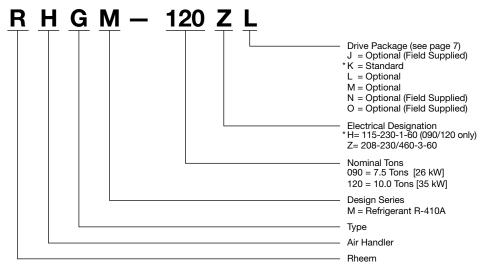
**DRAIN PAN**—The galvanized steel drain pan is designed to trap condensate in either vertical or horizontal installations. Condensate drain connections are located on both sides of the unit allowing complete flexibility to meet most field conditions.

**SERVICE ACCESS**—Two removable panels on top and each side of the unit are easily removed for access to motors, blowers, sheaves, and filters.

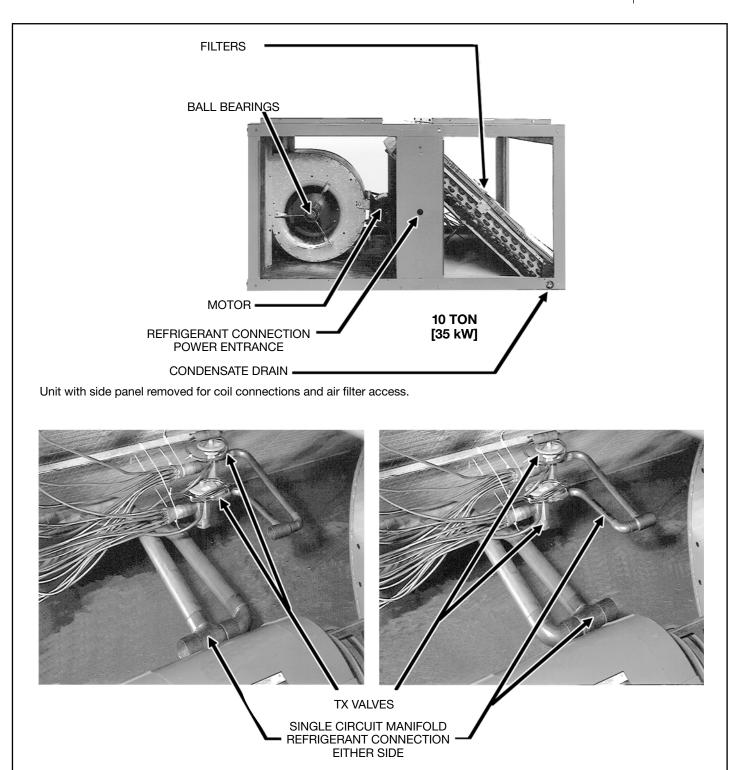
**HORIZONTAL OR VERTICAL**—All models are designed for either application and can be installed in either position as supplied from the factory.

**TESTING**—All units are run tested at the factory prior to shipment. Units are shipped with a holding charge of nitrogen.

**HEAT PUMP**—The RHGM Air Handler is designed for heat pump and air conditioning applications. It has two TX valves with internal check valves that allow reverse flow to occur, providing superior control during heating and cooling cycles. RHGM Air Handler has been rated and certified to operate with 7.5 ton [26 kW] and 10 ton [35 kW] condensing units and 7.5 ton [26 kW] and 10 ton [35 kW] remote heat pumps. A 7.5 ton [26 kW] heat pump air handler is **NOT** available.

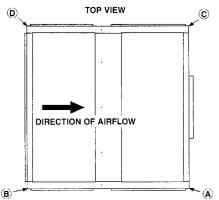


\*"H" voltage models are available with "K" drive package only.



[ ] Designates Metric Conversions



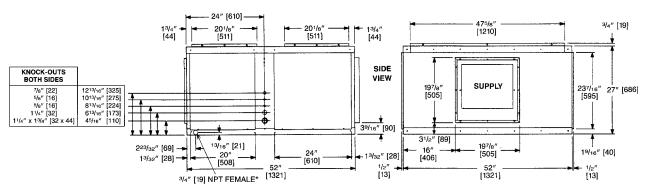


RETURN AIR OPENINGS = 473/8" [1203] WIDTH x 197/8" [505] HEIGHT

### 10 NOMINAL TONS [35 kW]

	REFRIGERA	NT STUB SIZES, IN.	[mm]								
MODEL DUAL DUAL SINGLE SINGLE LIQ. SUC.											
090	1/2, 1/2 [13, 13]	7/8, 7/8 [22, 22]	5/8 [16]	13/8 [35]							
120	1/2, 1/2 [13, 13]	7/8, 7/8 [22, 22]	5/8 [16]	13/8 [35]							

DRIVE	COF	RNER WEIG	HTS, LBS.	[kg]	TOTAL
PACKAGE	Α	В	С	D	WEIGHT
090	98 [44]	86 [40]	97 [44]	84 [38]	365 [166]
120	100 [45]	88 [40]	97 [44]	87 [40]	372 [169]



\*Drain connections are provided on both sides of the drain pan. The drain can be connected to either side of the drain pan, but not both. The drain must be trapped.

	ITEM	MODEL N	IO. RHGM-
	ITEM	090	120
Nomi	inal Size tons [kW]	7.5 [26]	10 [35]
	inal CFM [L/s] @ Rated E.S.P., Pa] of water	3000 @ .25 [1416 @ .062]	3000 @ .25 [1416 @ .062] 4000 @ .30 [1888 @ .075]
MOTOR	Standard—3450 RPM [W] 1 Ø 1725 RPM [W] 3 Ø	1 HP [766] 1 HP [766]	2 HP [1491] 1½ HP [1119]
MOTOR	Optional— 1725 RPM [W] 3 Ø	1 <sup>1</sup> / <sub>2</sub> HP [1119]	2 HP, 3 HP [1491, 2237]
Blow	er Size—diameter & width, in. [mm]	12 x 12 [305 x 305]	12 x 12 [305 x 305]
Blow	er Shaft Size (diameter) in. [mm]	3/4 [19]	3/4 [19]
	or Sheave Size 3450 RPM 1 Ø ustment (std.) in. [mm] 1725 RPM 3	1.9-2.9 [48-74] 3.4-4.4 [86-112]	2.4-3.2 [61-81] 4.0-5.0 [102-127]
Coil I	Face Area, sq. feet [m²]	10.2 [.95]	10.2 [.95]
Coil <sup>-</sup>	Tube Diameter in. [mm]	3/8 [10]	<sup>3</sup> /8 [10]
Coil,	Rows Deep—Fins Per Inch [mm]	4/15 [.59]	4/15 [.59]
	gerant Control—Thermal ansion Valves (Quantity)	BBIZE-5-GA (2)	CBBIZE-6-GA (2)
	Size, in. [mm] mber Required) Disposable*	16 x 25 x 1 (4) [406 x 635 x 25]	16 x 25 x 1 (4) [406 x 635 x 25]
<b>CAB</b> Fini	INET: sh	Powder Paint	Powder Paint
She	et Metal	Galvanized	Galvanized
Gau To <sub>l</sub>	uge (nominal) p	18	18
Sic	des	16	16
Во	ttom	18	18
Do	ors and Covers	20 min.	20 min.
	WEIGHTS: erating (lbs.) [kg]	365 [166]	372 [170]
Ship	oping (lbs.) [kg]	411 [186]	418 [190]
	KAGED DIMENSIONS: (W x L) [mm]	31 <sup>1</sup> / <sub>2</sub> " x 56" x 57 <sup>1</sup> / <sub>4</sub> " [800 x 1422 x 1454]	31 <sup>1</sup> / <sub>2</sub> " x 56" x 57 <sup>1</sup> / <sub>4</sub> " [800 x 1422 x 1454]

<sup>\*</sup>Unit will accept 2" [51 mm] filters.

NOTE: If a factory accessory heater kit is not used, a field supplied fan contactor is required and should have a 24 volt coil with contacts rated to handle the evaporator motor FLA at desired voltage. A factory supplied 30 Amp 3 Pole or 30 Amp 2 Pole contactor may be purchased from the Parts Department.

# INDOOR BLOWER PERFORMANCE (DRY COIL) RHGM-090 HK & 120 HK

	_	_				I							
	[0.50]	~	≥ .										
	2.0	RPI	T.0						Irives				
	0.47	3	>						onal c				
	1.9	RPM	T.0.						e opti	≿∣			
	.45]	3	>						equir	ICIEN			
	1.8 [[	RPM	T.0.				Ø	£#	lines	REF	er		
	.42]	3	>				[M	75 lbs	eavy	10TO	746 sepowe	eeq	
	1.7 [0	M	0.				K = IVP34, AZ90, 2 HP [1491 W] 1Ø	T.O. = Turns Open 1. Standard air @ .075 lbs/ft <sup>3</sup>	<ol> <li>Operation below heavy lines require optional drives.</li> <li>Meter afficiance = 70</li> </ol>	4. BHP = WATTS × MOTOR EFFICIENCY	746 5. BHP = Brake Horsepower	er Sp	
	40]	3	<u>'</u> ⊏	096			2 HP	NOTES: T.O. = Turns Open 1. Standard air @ .	ion be	WAT	Brake	Blow	
	·0] 9	M	0.	120			۱Z90,	= Tul	perat	3HP =	H ∃	SPM =	
	7] 1.	<u>~</u>	<u>⊢</u>	70	30		P34, /	 	20.0	. <del>4</del> .	5. E	_	
	6 [0.3	Σ	<u>.</u>	18	5 21		\ = \	10 10 10 10 10 10 10 10 10 10 10 10 10 1					
	1.5	쮼	Ξ.	0 100	111	22		_					
	[0.35	-	≥ .	178	203	232							
	1.4	RPI	T.0	1060	1080	£ -							
Б	0.32]	3	≥	1670	1918	2190							
Ϋ́	1.3	RPM	T.0.	1035	1055	1070							
E.S.P.—INCHES OF WATER [kPa]	.1 (8.02) 2 (8.05) 3 (8.07) 4 (8.10) 5 (8.12) 6 (8.15) 7 (8.10.2) 8 (8.020) 9 (8.022) 1.0 (8.25) 1.1 (8.27) 1.2 (8.30) 1.3 (8.32) 1.4 (8.35) 1.5 (8.37) 1.6 (8.45) 1.7 (8.42) 1.7 (8.42) 1.8 (8.45) 1.9 (8.47) 2.0 (8.50)	RPM     RPM	≥	$1200 \frac{860}{4} 1280 \frac{895}{3.5} 1350 \frac{936}{3} 1440 \frac{960}{26} 1500 \frac{930}{26} 1550 \frac{930}{23} 1545 \frac{1005}{2} 1590 \frac{1150}{15} 1670 \frac{1001}{1} 1780 \frac{1090}{5} 1870 \frac{1120}{0} 1960$	$1360 \ \ \frac{890}{3.6} \ \ 1440 \ \ \frac{910}{3.2} \ \ 1520 \ \ \frac{950}{2.8} \ \ 1595 \ \ \frac{980}{2.4} \ \ 1660 \ \ \frac{1005}{2} \ \ 1730 \ \ \frac{1030}{1.5} \ \ 1820 \ \ \frac{1055}{1.1} \ \ 1915 \ \ \frac{1080}{6} \ \ 2030 \ \ \frac{1115}{1.1} \ \ 2130 \ \ \frac{1000}{1.1} \ \ \frac{1000}$	$1620 \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2380						
	1.2[	RPM	T.0.	1005	1030	1050	$1725 \begin{array}{ c c c c c c c c c c c c c c c c c c c$						
×	.27]	3	>	1545	1730	955	2230						
F	1.1 [0	PM	0.	980	2	1025	1.1						
S	25]  1	3	<u>'</u> ⊏	200	099	088	110						
뽀	.0] 0.	PΜ	0	1 97	80	2 1	200 2						
2	2] 1	æ	<u> </u>	40	95	08.	05	85					
=	(0.2	Σ	, 	14	8 15	71 17	1 20	1015 2285					
بّ	9.	윤	Ë	50	20 95	)5 <sup>97</sup>	30 99	55 10 <sup>-</sup>					
S	[0.20	5	≤ 	136	15,	14	48	$1930 \begin{array}{ c c c c c c c c c c c c c c c c c c c$					
	8.	R	T.0	3.5	910	0 945	0 960	0 985	2				
	[0.17]	-	≥ .	128	-144	162	180	-203	2205 980 2315				
	12	RPIV	T.0.	860	3.6	3.3	3	960	2.1				
	15]	3	>	1200	1360	1530 900	1725	1930	2205				
	)] 9·	RPM	T.0.	820	850	3.7	3.3	920	955				
	.12]	*	8	1110	1270-	1440	1630	1840	2075	2365			
	.5 [0	RPM	T.0.	780	820	840	870 3.8	3.4	920	960			
	10]	3	W T.0. W		1200	1330	1545	1725	975				
	.4 [0.	ΡM	0.		280	790	835	3.8	860         1860         900         1975         920         2075         956           3.8         1860         3.3         1975         3         2075         2.5	$\frac{900}{3.3}$ 2095 $\frac{930}{2.9}$ 2240			
	[2]	3	<u>                                     </u>			1130	1465	1655	098	960			
	3 [0.0	M	0.			5 1	4.6	830 4.2	90	3 2			
	; [6	æ	<u> </u>			7	1400	80 8	1770	00	22		
	10.05	Σ	> 				14	1580		<del>5</del> 2000	2275		
	1 .2	A.	W T.O. W T.O. W T.O.				77.	0 810	5 4.2	3.7	5 3.2		
	[0.02	7	≥ .					151	169	830 4.2 1890	-214		
	<del>-</del> .	RPM	T.O.					s) 2770 1510 (s	305	330	3.6		
		_		3000 [1416 L/s]	3200 [1510 L/s]	3400 [1605 L/s]	3600 [1699 L/s]	3800 [1793 L/s]	000 [1888 L/s] 805 1695 825 4.2	4200 [1982 L/s]	4400 [2077 L/s] 870 2145 900 3.2	4600 [2171 L/s]	4800 [2265 L/s]
į		5		0 [141	0 [151	J [160	0 [16	J [175	0 [188	3 [198	0 [207	0 [217	J [22€
				3000	3200	3400	3600	3800	4000	4200	440(	460(	4800
!	DRIVE	2						>	<				
	_												

# RHGM-090 Z, -120 Z

		.50]	>	1700	1790	1880	1980	2160	2315	2575	2895	3165	ı	ı	ı	1	ı
		1.8 [0.45]   1.9 [0.47]   2.0 [0.50]	RPM	1150	1160	1175 1880	1185 1980	1190	1200 2315	1220	2770 1265 2	1275	Ι	Ι	Ι	Ι	I
l		0.47]	×	1670	1730	1800	1920	2090	2270	2510	2770	3090	1	1	1	1	Ι
l		1.9 [	RPM	1630 1130	1680 1140	1720 1150	1880 1160	1985 1155 2045 1175	1180	1195	2710 1220	1260	-	1	1	-	1
l		0.45]	Μ	1630	1680	1720	1880	2045	2245	2460	2710	2985 1260	-	1	1		I
l		1.8 [(	RPM	1100	1120	1130	1140	1155	1165	1175	1190	1215	1	1	1	1	I
l		1.7 [0.42]	M	1490	1100 1510 1120	1650	1800	1985	2185	2400	1170 2650	2920	_	—	_	-	I
l			RPM	1350 1080 1490	1100	1590 1120 1650	1750 1110 1800 1140	1125	1140	1155	1170	1185	-	_	_	_	1
l		0.40]	>		1460			1890	2095	2325	2590	2855	3145	١	1	1	1
l		1.5 [0.37] 1.6 [0.40]	RPM	1320 1040	1400 1060	1040 1530 1080	1065 1690 1100	1095 1880 1095 1890 1125	1940 1055 1900 1080 1975 1110 2095 1140 2185 1165 2245 1180	1135	1130 2495 1150	1145 2785 1170 2855 1185	3080 1190	١	1	1	1
l		0.37]	≥		1400	1530	1690	1880	1975	2225	2495	2785	3080	_	1	1	I
		1.5 [	RPM	1000	995 1310 1020	1040	1065	1095	1080	1105	1130	1145	1165	١	1	1	1
		1.4 [0.35]	>	990 1200	1310	1370 1000 1450	1500 1035 1620	1820	1900	2165	2390	2570 1130 2690	3000	١	1	1	1
		1.4[	RPM			1000	1035	1065	1055	1080	1100	1130	1150	١	1	1	1
	ā	0.32]	M	1110	1230	1370	1500	1740	1940	2160	2270	2570	2890	-	1	Ι	1
	R P	1.3	RPM	955	096	980	1010	1620 1030 1740 1065 1820	1860 1055	1080	1075	1100	1130	Ι	-	1	I
	ä	1.1 [0.27] 1.2 [0.30] 1.3 [0.32]	×	1125	1150	1285	980 1425 1010	1620		1020   1995   1050   2080   1080   2160   1080   2165   1105   2225   1135   2325   1155   2400   1175   2460   1195	1045 2225 1075 2315 1075 2270 1100 2390	1075 2490 1075 2445 1100	1080 2685 1100 2795 1130	3115	_	1	Ι
	Å.	1.2 [	RPM	920	930	950		1010	1025	1050	1075	1075	1100	1130	Ι	1	I
	⋛	0.27]	≥	940	890 1070	915 1210	1380	975 1540	995 1725 1025	1995	2225	2490	2685	2985	Ι	I	1
	OF		RPM	875		915	922	975	995					1100	-	1	I
I	ES		Ν	098	066	885 1165	920 1290	950 1470	970 1650	990 1855	2145	2400		2855	_	-	Ι
I	H U	1.0[	RPM	845	860		_				1025	1050	1080	1085	Ι	Ι	I
١	ž	.9 [0.22] 1.0 [0.25]	W	908	910	1075	885 1190	910 1390	945 1590	960 1780	990 2050 1025 2145	1020 2300 1050 2400	2560	2755 1055 2760 1085 2855	3070	_	Ι
١	٥. آ	J 6.	RPM	815	830	855			945			1020	1050	1055	1080	Ι	I
١	E.S.P.—INCHES OF WATER [kPaj	.8 [0.20]	W	755	098	975	1130	1285	910 1500	1715	1905	990 2180	1025 2470 1050 2560 1080 2680	2755	2960	_	Ι
١	Ш	.8 [1	RPM	062	810	825	928	880	_	942	955		1025	1050	1055	—	1
l		.7 [0.17]	>	029	795	915	825 1065	850 1225	875 1390	905 1620	940 1840	970 2110	995 2365	1030 2650	40 1035 2950	3180	1
l		12.	RPM	260	780	795								1030	1035	1055	Ι
l		1.15]	>	610	720	850	790 1005	1150	845 1320	875 1510	1740	2010	2260	2550	2840	45	1
		.6 [0.15	RPM	720	750	775		815 11			902 17	940 20	965 22	995 25	1030	1035	_
		0.12]	8	220	999	775	940	1080	810 1240	1435	875 1630	910 1880	940 2160	970 2430	2750	3040	Ι
		.5	RPM W	069 (	715	740	755	1005 785 1080		845				926 ر	1010	1035	1
		0.10]	8	510	620	720	880	1005	780 1160	810 1340 845 1435	840 1550	880 1780	920 2060	950 2320	980 2620 1010 2750 1030 28	2940	-
		.3 [0.07] .4 [0.10] .5 [0.12]	RPM	650	5 675	5 705	5 730	) 750								985 2810 1015 2940 1035 3040 1035 30	
		0.07]	>	1	545	99 9	5 775	026 (	745 1090	780 1250	810 1455	1690	5 1925	925 2195	955 2495	5 2810	3135
		-	RPM	1	635	5 665	969 (	730				5 850	3 885				1020
		.2 [0.05]	8	1	1	595	230	860	1000	1175	1350	1575	1840	2100	930 2375	2680	3010
		-	RPM	1	1	630	099 (	992	725	1100 745 1175	5 780	5 810	922	5 905	5 930	960	066 (
		.1 [0.02]	8	1	1	1	099	810	940	1100	1265	1465	1750	1925	2225	2555	2870
		1	RPM	]	-		] 630	] 660	] 690	1 730	1 745	1 780	1 825	1 845	1 915	1 930	1 960
١	_			33 L/s]	?7 L/s]	?1 L/s]	16 L/s]	10 L/s]	)5 L/s]	39 L/s]	33 L/s]	38 L/s]	32 L/s]	77 L/s]	71 L/s]	35 L/s]	30 L/s]
	CTS	GF		2400 [1133 L/s]	2600 [1227 L/s]	2800 [1321 L/s]	3000 [1416 L/s]	3200 [1510 L/s]	3400 [1605 L/s]	3600 [1699 L/s] 730	3800 [1793 L/s] 745	4000 [1888 L/s] 780   1465	4200 [1982 L/s] 825  1750	4400 [2077 L/s] 845   1925   905   2100	4600 [2171 L/s] 915   2225	4800 [2265 L/s] 930  2555   960  2680	5000 [2360 L/s] 960 [2870   990   3010   1020   3135
		J		240	260	280	300	320	340	360	380	400	420	440	460	480	500
١	DRIVE	PKG		L			_	_	×	_	Σ	zı	0				_

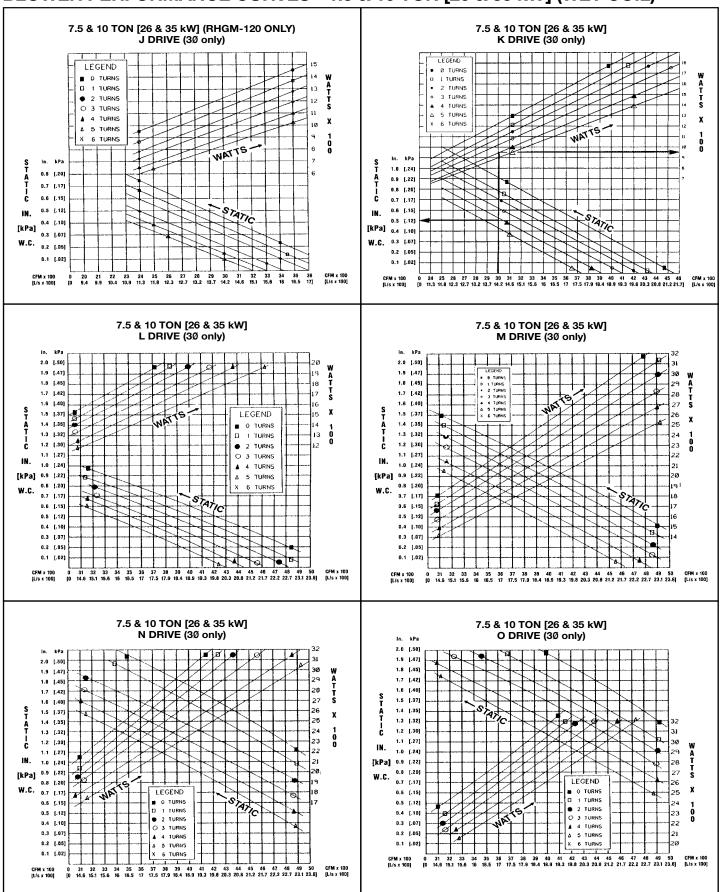
J = IVP50, AZ100, 11/2 HP [1119 W] [Field Supplied]
K = IVP56, AZ100, 11/2 HP [1119 W]
L = IVP68, AZ100, 2 HP [1491 W]
M = IVP68, AZ100, 3 HP [2237 W]
N = IVP66, AZ80, 3 HP [2237 W] [Field Supplied]
O = IVP75, AZ90, 3 HP [2237 W] [Field Supplied]
NOTE: Bold lines separate J, K, L, M, N and O drives respectively.

### **COMPONENT AIR RESISTANCE RHGM 10 TON [35 kW]**

CFM [L/s]	1800 [850]	2200 [1038]	2600 [1227]	3000 [1416]	3400 [1605]	3800 [1793]	4200 [1982]	4600 [2171]	5000 [2360]
Electric Heater 20KW, 30KW	.060 [.015]	.100 [.025]	.140 [.034]	.160 [.040]	.230 [.057]	.320 [.080]	.410 [.102]	.500 [.124]	.600 [.150]
Mixing Box (R/A Damper Open)	.006 [.001]	.008 [.002]	.012 [.003]	.024 [.006]	.038 [.009]	.053 [.013]	.068 [.017]	.080 [.020]	.095 [.024]
Discharge Grille (Set Max. Open)	.008 [.002]	.011 [.003]	.015 [.004]	.020 [.005]	.025 [.006]	.031 [.008]	.039 [.010]	.046 [.012]	.055 [.014]
Inlet Grille	.008 [.002]	.010 [.002]	.014 [.003]	.020 [.005]	.026 [.006]	.032 [.008]	.039 [.010]	.049 [.012]	.058 [.014]
Discharge Plenum	.02 [.005]	.04 [.010]	.05 [.012]	.065 [.016]	.085 [.021]	.100 [.025]	.120 [.030]	.150 [.037]	.180 [.045]

NOTE: Add component resistance to duct resistance to determine total E.S.P.

### BLOWER PERFORMANCE CURVES - 7.5 & 10 TON [26 & 35 kW] (WET COIL)



### **EVAPORATOR PERFORMANCE DATA (GROSS CAPACITY)**

	EVA					R RHGN ID TEN					_/s]		
75/63°F 80/67°F 55/71°F													
AIRFLOW	TEMP	тс	sc	LDB °F	LWB °F	тс	sc	LDB °F	LWB °F	тс	sc	LDB °F	LWB °F
	40	101,593	73,674	52.9	51.0	127,358	84,666	63.8	51.9	153,992	94,880	54.9	53.1
3000	45	80,928	62,952	57.3	54.8	103,594	73,170	58.8	56.3	130,995	83,959	59.4	57.3
	50	59,031	52,456	61.6	66.7	80,997	82,400	63.0	50.2	105,321	72,678	64.1	61.6

	EVA		TOR/A 105°F (4								_/s]		
	75/63°F 80/67°F 85/71°F												
AIRFLOW	TEMP	тс	sc	LDB °F	LWB °F	тс	sc	LDB °F	LWB °F	тс	sc	LDB °F	LWB °F
	40	154,071	108,420	49.6	48.2	190,237	123,295	50.5	48.1	189,959	10,8803	60.4	58.6
3800	45	121,745	92,384	54.1	52.3	157,209	107,660	66.0	53.4	196,257	122,470	55.9	54.3
	50	88,849	77,108	58.5	56.3	122,773	91,908	59.5	57.5	159,969	108,803	60.4	56.6

NOTES: 1. Total and sensible capacity is gross with no deduction for indoor blower motor heat. 2. Interpolation is permissible. Do not extrapolate.

3. Capacities are based on  $105^{\circ}F$  ( $40.6^{\circ}C$ ) liquid temperature at the TXV or about  $95^{\circ}F$  ( $35^{\circ}C$ ) dry bulb outdoor ambient. TC = Total Capacity, BTUH LDB = Leaving Air Dry Bulb

SC = Sensible Capacity, BTUH LWB = Leaving Air Wet Bulb

### **AIRFLOW CORRECTION FACTORS**

	RHGM-090 @ 3000 CFM [1416 L/s]														
ACTUAL—CFM         2400         2600         2800         3000         3200         3400         3600           [L/s]         [1133]         [1227]         [1321]         [1416]         [1510]         [1605]         [1699]															
TOTAL MBH	0.85	0.90	0.95	1.00	1.04	1.09	1.13								
SENSIBLE MBH	0.83	0.88	0.94	<b>SENSIBLE MBH</b> 0.83 0.88 0.94 1.00 1.06 1.11 1.16											

NOTES: 1. Multiply correction factor times gross performance data.

2. Resulting sensible capacity cannot exceed total capacity.

			R	HGM-	120 @ 3	3800 C	FM [17	<b>793 L/s</b>	<b>s</b> ]				
ACTUAL—CFM [L/s]	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]	4000 [1888]	4200 [1982]	4400 [2077]	4600 [2171]	4800 [2265]
TOTAL MBH	0.76	0.79	0.82	0.85	0.89	0.93	0.97	1.00	1.03	1.06	1.10	1.12	1.15
SENSIBLE MBH	0.68	0.73	0.78	0.82	0.87	0.91	0.96	1.00	1.04	1.08	1.13	1.17	1.21

**NOTES:** 1. Multiply correction factor times gross performance data.

2. Resulting sensible capacity cannot exceed total capacity.



### **ELECTRIC HEATER KIT CHARACTERISTICS**

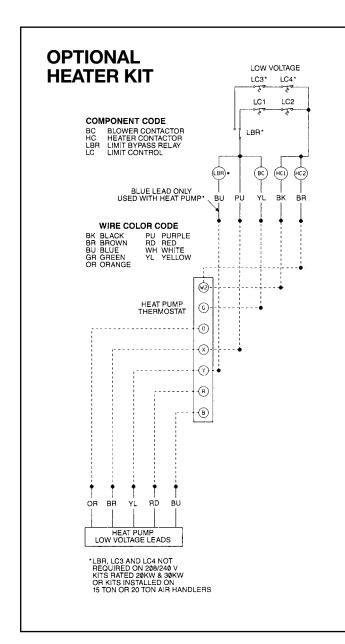
AIR HANDLER MODEL	HEATER KIT MODEL	HEATER KIT VOLTAGE	HEATER KIT [kW]	HEATER KIT AMPS	HEATING CAPACITY [kW]	HEATING CAPACITY MBH	MINIMUM CIRCUIT AMPACITY	MAX. FUSE OR HACR BREAKER SIZE
RHGM-090 / RHGM-120	RXHE-DE020CA	208/240	20	43.1/48.9	15.6/20.2	53.2/68.9	67/73	70/80
RHGM-090 / RHGM-120	RXHE-DE030CA	208/240	30	60.8/70.2	22.0/29.6	75.1/101	89/100	90/100
RHGM-090 / RHGM-120	RXHE-DE020DA	480	20	24.7	20.2	68.9	37	40
RHGM-090 / RHGM-120	RXHE-DE030DA	480	30	35	29.7	101.3	50	50

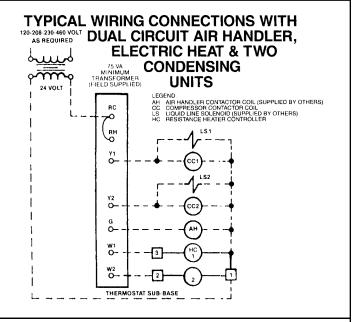
NOTE: All kits have two stages of capacity, first stage heating is 50% of total capacity.

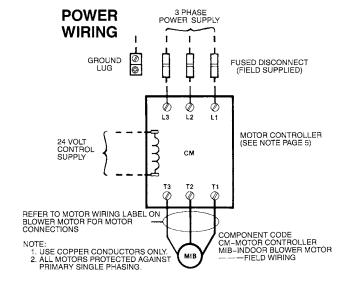
### **ELECTRICAL DATA TABLE**

A	IR HANDLER MOTOR		RATING PLATE	MOTOR LRA	MINIMUM CIRCUIT	RECOMMENDED MINIMUM Cu WIRE SIZE	MAX. FUSES
HP [W]	VOLTS	PHASE	AMPS	LKA	AMPACITY	(3% VOLTAGE 75°C DROP) MAX. RUN IN FEET	BREAKERS
1 [746]	208-230	30	4.0/3.6	23.9/21.6	15	#14/240	15
1 [746]	460	30	1.8	10.8	15	#14/400	15
1 [746]	115-230	10	16/8	96/48	20/15	#12/120 #14/180	20/15
1 <sup>1</sup> / <sub>2</sub> [1119]	208-230	3Ø	5.7/5.2	34.5/31.2	15	#14/230	15
1 <sup>1</sup> / <sub>2</sub> [1119]	460	3Ø	2.6	15.6	15	#14/300	15
2 [1491]	208-230	30	7.5/6.8	45.1/40.8	15	#14/165	15
2 [1491]	460	30	3.4	20.4	15	#14/275	15
2 [1491]	115-230	10	24/12	144/72	30/15	#10/140 #14/120	30/15
3 [2237]	208-230	3Ø	10.6/9.6	64.1/58	15	#14/135	15
3 [2237]	460	3Ø	4.8	26.8	15	#14/230	15

NOTE: N.E.C., C.E.C. and local codes take precedence over suggested wire and fuse sizes.







### **AIR HANDLER ACCESSORIES**

ACCESSORY DESCRIPTION	MODEL NUMBER	SIZES USED ON	NET WEIGHT (LBS) [kg]
Hot Water Coil	RXHC-C74W	090, 120	200 [91]
Steam Coil	RXHC-C74S	090, 120	200 [91]
Filter Frame Kit	RXHF-B74A	090, 120	90 [41]
Inlet Grille Kit	RXHG-C74A	090, 120	9 [4]
Discharge Grille Kit	RXHG-C74B	090, 120	15 [7]
Discharge Plenum Kit	RXHL-C74B	090, 120	38 [17]
Mixing Box	RXHM-BC74H	090, 120	120 [54]
Auxiliary	RXHE-DE020*A	090, 120	75 [34]
Heater Kit	RXHE-DE030*A	090, 120	75 [34]

NOTE: \*Designates "C", "D" or "Y" Voltage

### [ ] Designates Metric Conversions

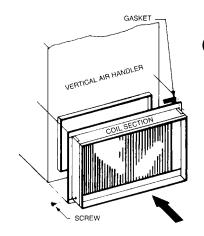
### **RXHM MIXING BOX**



### **RXHE ELECTRIC HEATER KIT**

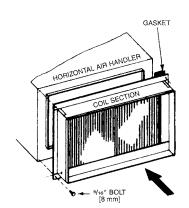


### **HOT WATER OR STEAM COILS**



(090, 120) RXHC-C74W RXHC-C74S

(090, 120) RXHC-C74W RXHC-C74



### **AIR HANDLER ACCESSORIES (con't)**

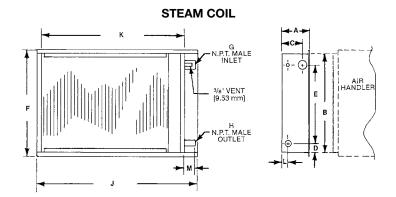
### **PHYSICAL SPECIFICATIONS**

NOMINAL TONS [kW]	FINNED HEIGHT- IN. [mm]	FINNED LENGTH- IN. [mm]	FACE AREA FT <sup>2</sup> [m <sup>2</sup> ]	CIRCUITS & TUBES HIGH
71/2 [26.38]-10 [35.17]	18 [457]	40 [1016]	5.0 [.46]	12

### **GROSS COIL PERFORMANCE**

NOMINAL	NOMINA	L BTUH	NOMINAL	VELOCITY		
TONS [kW]	STEAM	WATER	CFM [ L/s]	FPM		
71/2 [26.38]	242,500	185,000	3,000 [1416]	600		
10 [35.17]	285,000	240,000	4,000 [1888]	800		

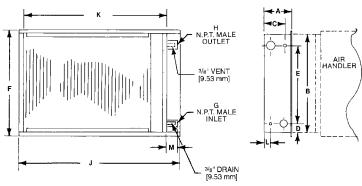
- 1. Entering air temperature @ 60°F
- 2. Entering steam @ 5 PSIG
- 3. Entering water @ 200°F
- 4. Face velocity =  $\frac{C_{\text{Fiv}}}{\text{Face Area}}$



STEAM COIL COIL DIMENSIONS—INCHES [mm]

MODEL	NOMINAL TONS [kW]	Α	В	С	D	E	F	G	Н	J	K	L	М
RXHC-C74	7 <sup>1</sup> / <sub>2</sub> [26.38]-	9 <sup>1</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>8</sub>	5 <sup>3/8</sup>	3 <sup>3</sup> / <sub>16</sub>	15	24	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	51 <sup>1</sup> / <sub>2</sub>	47 <sup>5</sup> / <sub>8</sub>	2 <sup>13/</sup> 16	3 <sup>1</sup> / <sub>4</sub>
	10 [35.17]	[230]	[543]	[137]	[81]	[381]	[610]	[38]	[32]	[1308]	[1210]	[71]	[83]



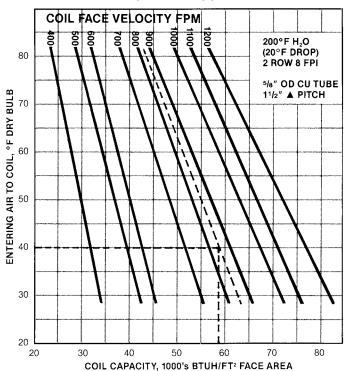


### HOT WATER COIL DIMENSIONS - INCHES [mm]

MODEL	NOMINAL TONS [kW]	Α	В	С	D	E	F	G	Н	J	K	L	М
RXHC-C74W	71/2 [26.38]- 10 [35.17]	9 <sup>1</sup> / <sub>16</sub> [230]	21 <sup>3</sup> / <sub>8</sub> [543]	5 <sup>3</sup> / <sub>8</sub> [137]	3 <sup>3</sup> / <sub>16</sub> [81]	15 [381]	24 [610]	1 <sup>1</sup> / <sub>4</sub> [32]	1 <sup>1</sup> / <sub>4</sub> [32]	51 <sup>1</sup> / <sub>2</sub> [1308]	47 <sup>5</sup> / <sub>8</sub> [1210]	2 <sup>13/</sup> 16 [71]	3 [76]

# AIR HANDLER ACCESSORIES (con't) HOT WATER COILS

CURVE 2 HOT WATER COIL



### **TABLE IV**

Curve 2 ratings are based on 200°F entering water and 20°F temperature drop. For other conditions use the following correction factors:

ENTERING WATER °F	FACTOR	WATER TEMPERATURE DROP °F	FACTOR
220	1.14	10	1.030
210	1.07	15	1.015
200	1.00	20	1.000
190	.98	25	.985
180	.93	30	.970

### **HOT WATER COIL SELECTION:**

### Specified:

Entering Air Temp. @ 40°F 5000 CFM @ 6000 Ft. Elevation 220°F Entering Water Temp. @ 36 GPM

### **Select 10 Ton Nominal Coil:**

Face Area = 5 Ft<sup>2</sup> Circuits = 12

### **Determine Coil Performance:**

From Table I, Altitude and Temperature Correction Factor = 1.19 Std. CFM = 5000/1.19 = 4202

Face Velocity = 4202/5 = 840 FPM

From Curve 2, BTUH/Ft $^2$  = 57,500

Coil Capacity = 5 x 58,000 = 287,500 BTUH

Water Temp. Drop =  $290,000/(500 \times 36) = 16.1$ °F

From Table IV, Water Temp. Factor = 1.14

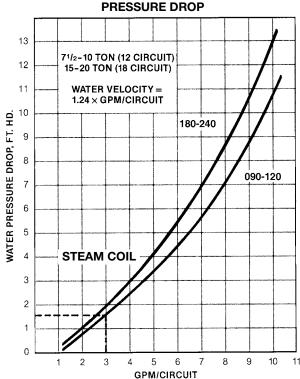
From Table IV, Water Temp. Drop Factor = 1.012

Total Capacity = 287,500 x 1.14 x 1.015 = 334,570 BTUH

From Curve 3, Water Pressure Drop 36 GPM/12 Circuits = 3 GPM/Circuit = 1.6 FT. HD.

From Table II, Air Side Pressure Drop = .38" H<sub>2</sub>O





### **BASIC FORMULA:**

Air Temperature Rise, °F =  $\frac{BTUH}{1.08 \times CFM}$ 

Water Temperature Drop,  $^{\circ}F = \frac{BTUH}{500 \times GPM}$ 

# AIR HANDLER ACCESSORIES (con't) STEAM COILS AIRFLOW

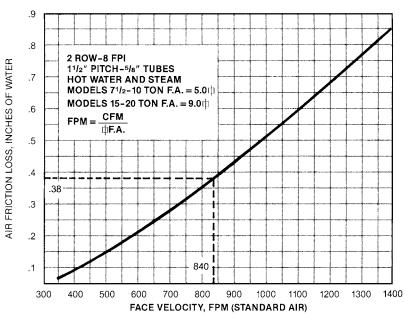
## TABLE I ALTITUDE AND TEMPERATURE CORRECTION FACTOR TABLE

AIR		ALTITUDE IN FEET ABOVE SEA LEVEL														
TEMP. (F)	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	7000	8000	9000	10,000
0	.87	.89	.91	.92	.94	.96	.98	.99	1.01	1.03	1.05	1.09	1.13	1.17	1.22	1.26
40	.94	.96	.98	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.19	1.23	1.28	1.32	1.36
70	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.19	1.18	1.20	1.25	1.30	1.35	1.40	1.45
100	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.25	1.28	1.33	1.38	1.43	1.48	1.54
120	1.09	1.12	1.14	1.16	1.18	1.20	1.23	1.25	1.28	1.30	1.32	1.38	1.43	1.48	1.53	1.58

**EXAMPLE:** Determine Equivalent "Standard Air" for use in System Performance Calculations:

Standard Air =  $\frac{\text{Specified CFM}}{\text{Correction Factor}}$ 

### TABLE II AIR FRICTION LOSS



### **AIR HANDLER ACCESSORIES (con't)**

### STEAM COILS **CURVE 1** STEAM COIL CAPACITY 120 110 2 ROW 8 FPI **5 PSIG PRESSURE** 100 °F DRY BULB COIL FACE VELOCITY FPM 90 90 80 ENTERING AIR TO COIL, 70 60 50 40 30 20

### **TEMPERATURE OF STEAM AT VARIOUS PRESSURES**

COIL CAPACITY, 1000's BTUH/FT2 FACE AREA

55 60 65 70

50

66.5

Approximate Gauge Pressure (lbs.)	2	5	10	15	20	30
Temperature °F	218	227	240	250	259	275

### **TABLE III**

Steam Coil Capacity, factors are based on 5 PSIG Steam Pressure. For other conditions use the adjacent correction factors.

STEAM PR., PSIG	FACTOR
2	.96
5	1.00
10	1.06
15	1.11
20	1.16
30	1.24

### **BASIC FORMULA:**

Air Temperature Rise, °F =  $\frac{1000}{1.08 \times CFM}$ 

### STEAM COIL SELECTION:

### Specified:

Steam @ 30 PSIG Entering Air Temp. @ 40°F Dry Bulb 5000 CFM @ 6000 Ft. Elevation

### **Select 10 Ton Nominal Coil:**

Face Area =  $5 \text{ Ft}^2$ Circuits = 12

### **Determine Coil Performance:**

From Table I (page 21), Altitude and Temperature Correction Factor = 1.19

Std. CFM = 5000/1.19 = 4202

Face Velocity = 4202/5 = 840 FPM

From Curve 1, BTUH/Ft = 66,500

Coil Capacity = 5 x 65,000 = 325,000 BTUH

From Table III, Steam Correction Factor = 1.24

Total Coil Capacity = 1.24 x 332,500 = 412,300 BTUH

Air Temp. Rise =  $403,000/(1.08 \times 4202) = 90.85$ °F

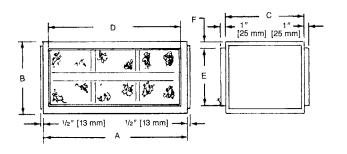
From Table II, Air Side Pressure Drop = .38" H<sub>2</sub>O

### **FILTER RACK**

10

The filter rack accessory can be connected directly to the hot water/steam coil accessory. The filter rack accessory is ONLY needed when hot water steam coils are used.

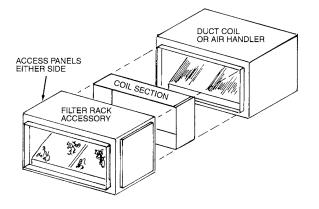
MODEL	AIR HANDLER	R HANDLER IN. [mm]							
NO.	SIZES USE ON	Α	В	O	D	Е	F		
RXHF-B74A	090, 120	511/2	24	251/8	473/8	197/8	21/16		
DARF-D/4A	090, 120	[1308]	[610]	[638]	[1203]	[505]	[52]		



MODEL NO.	FILTER SIZE (QTY.) TYPE
RXHF-B74A	16x20x1 (4) Disposable 20x20x1 (2) Disposable

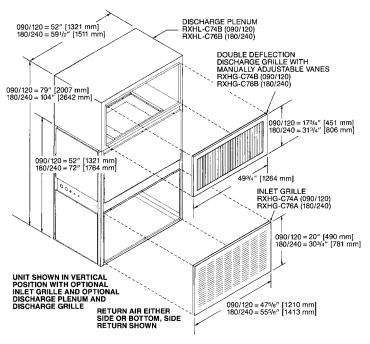
### FILTER PRESSURE DROP:

MODEL NO.	CFM [L/s] x 1000 [472]								
	2	3	4	5	6	7	8	9	10
RXHF-B74A	.01 [2]	.02 [4]	.03 [7]	.07 [16]	.10 [22]	.15 [33]	_	_	_



### AIR HANDLER ACCESSORIES (con't)

### **UNIT WITH ACCESSORIES** 7.5 THROUGH 10 NOMINAL TONS [26 THROUGH 35 kW]



### **DOUBLE DEFLECTION DISCHARGE GRILLE**

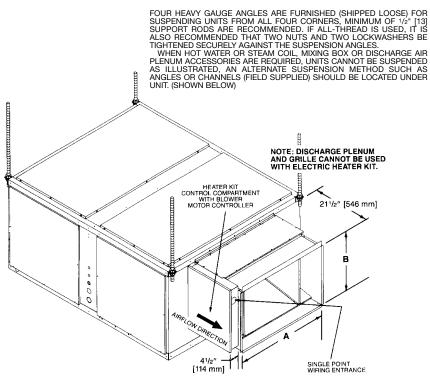
MODEL NO.	AIR HANDLER SIZES USED ON	NOMINAL CFM [L/s]	FT. [m] OF THROW
RXHG-C74B	090		0° DEFLECTION - 43' [13.1] 22° DEFLECTION - 37' [11.3] 45° DEFLECTION - 22' [6.7]
	120	4000 [1888]	0° DEFLECTION - 53' [16.2] 22° DEFLECTION - 46' [14] 45° DEFLECTION - 27' [8.2]

### TYPICAL APPLICATION **7.5 & 10 NOMINAL TONS** [26 & 35 kW]

OPTIONAL ELECTRICAL HEATER KIT SHOWN INSTALLED IN HORIZONTAL POSITION AND CONNECTED DIRECTLY TO THE AIR HANDLER. THE HEATER KIT MAY ALSO BE INSTALLED WITH THE AIR HANDLER SET IN THE VERTICAL POSITION. IN EITHER POSITION THE HEATER KIT CONTROL COMPARTMENT MUST BE ON THE LEFT SIDE FACING THE AIR DISCHARGE OPENING.

MODEL NO.	AIR HANDLERS	IN. [mm]		
WIODEL NO.	SIZES USED ON	Α	В	
RXHE-DE****A	090, 120	20 [508]	20 [508]	

THE BOTTOM OF THE AIR HANDLER SHOULD BE SLOPED IN TWO PLANES THAT PITCH THE CONDENSATE TO THE DRAIN CONNECTION. THE DRAIN PAN SHOULD NOT LEAVE PUDDLES LARGER THAN 2 INCHES IN DIAMETER AND 1/8 INCH DEEP FOR MORE THAN 3 MINUTES.



### MIXING BOX ACCESSORY—OPERATING SEQUENCE

**COOLING SEASON**—Thermostat set at "Cool" and "Fan Auto," outside air damper goes to "minimum fresh air" position when cooking thermostat closes, energizing mechanical cooling. When cooling thermostat is satisfied, mechanical cooling is de-energized, and outside air damper closes.

INTERMEDIATE SEASON—Same as for cooling season, except that cooling thermostat closes, starting indoor blower motor, the enthalpy control, mounted on outside air, determines if "free" cooling or mechanical cooling should be utilized. If outside air conditions are suitable for cooling, the mechanical cooling remains off and the mixed air controller modulates the damper motor to assume the proper damper position to maintain mixed air setting. If outside conditions

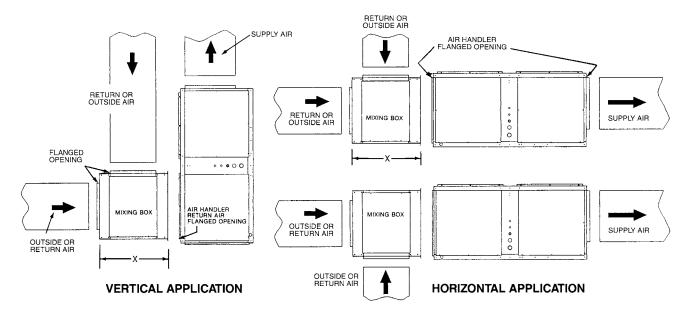
are not suitable for cooling, then the dampers go to "minimum fresh air" position and mechanical cooling is energized.

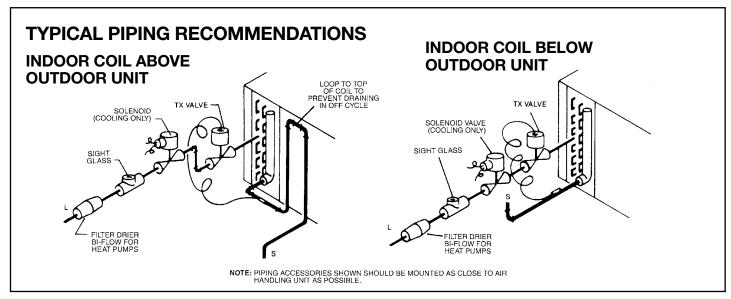
**HEATING SEASON**—Damper always stays at "minimum fresh air" position while fan motor is operating. Outside air damper closes when blower motor is off. "Minimum fresh air" position must not allow mixed air temperatures to air handler below 50°F. [10°C] during heating seasons.

CAUTION: IT IS NOT RECOMMENDED THAT HOT WATER OR STEAM COILS BE USED WITH THE MIXING BOX ACCESSORY WITHOUT A SUITABLE FREEZE-STAT TO PREVENT THE POSSIBILITY OF FREEZING THE COIL.

### **MIXING BOX**

MODEL NO.	AIR HANDLER	FLANGED DUC	IN. [mm]	
WIODEL NO.	SIZES USED ON	LENGTH IN. [mm]	WIDTH IN. [mm]	"X"
RXHM-BC74H	090, 120	42 [1067]	16 <sup>7</sup> /8 [454]	27 [686]





The 7.5 [26 kW] and 10 [35 kW] Air Handlers are designed as two (2) circuit, full face equal distribution coils. As shipped from the factory, the suction and liquid lines are dual circuits. Copper fittings are supplied in the unit to field manifold the suction and liquid lines for single circuit.

NOTE: The expansion valve bulbs must be secured to the corresponding suction lines. The circuits are marked accordingly. See illustration under Typical Piping recommendations for additional information.

### **REFRIGERANT PIPING** (See Tables at Right)

The following will be of help in accomplishing a successful installation.

- Size liquid line for no more than 50 PSIG [345 kPa] pressure drop.
- Size suction lines for no more than 2°F [1.1°C] loss which corresponds to approximately 5 PSIG [34 kPa] pressure drop.
- 3. When indoor unit is installed below outdoor unit, do not exceed the recommended vapor line O.D. This will insure adequate velocities for proper oil return.
- 4. Install strainer-drier and sight glass in liquid line.
- Pitch all horizontal suction lines downward in the direction of flow for cooling only applications.
- 6. Locate the outdoor unit and indoor unit as close together as possible to minimize piping runs.
- A liquid line solenoid installed just ahead of the expansion value is recommended for cooling only applications. Be sure condensing unit is suitable for pump down.
- Piping runs between condenser and evaporator not to exceed 150' [46 m] linear length (90' [27 m] linear length for heat pumps).

NOTE: Refer to suction and liquid line pressure drop charts found in condensing unit and remote heat pump literature.

### [ ] Designates Metric Conversions

### CONDENSATE DRAIN PIPING

- Consult local codes or ordinances for specific requirements regarding condensate drain.
- Condensate drain is open to atmosphere and must be trapped.
   Trap must be at least 3 inches [76 mm] deep and made of flexible material or fabricated to prevent freeze-up.
- Pitch the drain line at least 1/4 inch [6 mm] per foot away from the drain pan.
- Do not reduce the drain line size from the connection size provided on the unit.
- Do not connect the drain line to a closed sewer line.

PIPING SIZES 090 & 120							
LINEAR		UID , IN. [mm]	SUCTION LINE O.D., IN. [mm]				
LENGTH, FT. [m]	090	120	090	120			
0-50 [0-15]	1/2 [13]	5/8 [16]	1 <sup>1</sup> /8 [29]	1 <sup>3</sup> /8 [35]			
51-100* [16-30]	1/2 [13]	5/8 [16]	1 <sup>3</sup> /8 [35]	1 <sup>5</sup> /8 [41]			
101-150 [31-46]	1/2 [13]	5/8 [16]	13/8 [35]	15/8 [41]			

\*For cooling only, refer to remote heat pump literature for piping recommendations.

EQUIVALENT LENGTH, FT. [m] OF STRAIGHT TYPE "L" TUBING FOR NON-FERROUS VALVES AND FITTINGS (BRAZED)							
TUBE SIZE INCHES [mm]	SOLE- NOID VALVE	l	GLE LVE	SHORT RADIUS ELL	LONG RADIUS ELL	TEE LINE FLOW	TEE BRANCH FLOW
1/2 [13]	70 [21.3]	8.3	[2.5]	1.6 [0.5]	1.0 [0.3]	1.0 [0.3]	3.1 [0.9]
5/8 [16]	72 [21.9]	10.4	[3.2]	1.9 [0.8]	1.2 [0.4]	1.2 [0.4]	3.6 [1.1]
3/4 [19]	75 [22.9]	12.5	[3.8]	2.1 [0.7]	1.4 [0.4]	1.4 [0.4]	4.2 [1.3]
7/8 [22]	78 [23.8]	14.8	[4.4]	2.4 [0.7]	1.6 [0.5]	1.6 [0.5]	4.8 [1.5]
11/8 [29]		18.8	[5.7]	3.0 [0.9]	2.0 [0.6]	2.0 [0.6]	6.0 [1.8]
13/8 [35]		22.9	[7.0]	3.6 [1.1]	2.4 [0.7]	2.4 [0.7]	7.2 [2.2]
15/8 [41]		27.1	[8.3]	4.2 [1.3]	2.8 [0.8]	2.8 [0.8]	8.4 [2.6]
21/8 [54]		35.4	[10.8]	5.3 [1.6]	3.5 [1.1]	3.5 [1.1]	10.7 [3.3]

### **OPERATING SEQUENCE**

NOTE: Please refer to specification sheets covering RAWL- condensing units for operating sequence.

### **GUIDE SPECIFICATIONS**

Furnish and install as shown on the drawing Rheem Model \_\_\_\_\_ draw through air handler suitable for both horizontal and vertical applications. The entire assembly shall be UL and cUL listed with the cooling (and heat pump heating) capacity AHRI Certified.

**DRIVE PACKAGE**—A complete drive package shall be factory or field installed. Package shall consist of a 3 phase 1750 RPM open drip proof internally protected motor, not requiring an external starter. Variable pitch motor sheave, fixed pitch fan sheave, and belt.

**COILS**—Coils shall be fabricated of <sup>3</sup>/<sub>8</sub>" [10 mm] O.D. seamless copper tubing expanded into aluminum fins. All coils shall be submitted to an air pressure test of up to 550 PSIG [2068 kPa] under water after fabrication and dehydrated prior to assembly in unit. Units shall be shipped with a nitrogen holding charge. Airflow shall be draw through design providing uniform air distribution across the coil surface.

**BLOWER, BEARINGS AND SHAFT**—Fans shall be a double width, double inlet, forward curve, centrifugal type, statically and dynamically balanced, and constructed of galvanized steel. They shall be mounted on <sup>3</sup>/<sub>4</sub>" [19 mm], diameter solid shafts made of high carbon steel, centerless ground and polished, supported by resilient mounted sealed bearings.

**DRAIN PAN**—The drain pan shall be manufactured of zinc coated steel. The pan shall have internally threaded pipe size drain connections and shall be designed to accept condensate in either horizontal or vertical type applications on either side of unit.

**FILTERS**—Filter mounting hardware shall be designed to accept up to 2" [51 mm] filters for field replacement. One inch [25 mm] throw away filters shall be furnished with the unit.

**CABINET**—Cabinets shall be manufactured of galvanized steel subjected to multi-stage cleaning. Units shall have removable service access panels on each side and top.

**INSULATION**—Cabinets shall be insulated with 1/2" [13 mm] by 11/2 pound [.68 kg] density fiberglass insulation coated with neoprene and bonded to the cabinet surface with a U.L. approved adhesive. Insulation shall have fire retarding characteristics in accordance with smoke developed rating not to exceed 50 and flame spread rating of 25 per Underwriters Laboratories testing procedures.

**FACTORY TESTING**—In addition to the pre-assembly testing mentioned above, each coil shall be leak tested after assembly into the unit. While under pressure, the coil shall be leak tested using an Electronic Leak Detector.

**ELECTRIC HEATERS**—UL and cUL listed electric heater kits shall be available in a wide range of capacities. All kits shall offer two stages of capacity, blower motor controller and single point connection. Heater kits shall be available for installation directly on the supply fan discharge for either horizontal or vertical application.

MIXING BOX—Mixing box accessory shall be available for mixing return air with outside air before entering the air handler. The accessory shall include both return and outside air dampers and economizer controls factory mounted. Economizer controls shall include enthalpy and mixed air sensors and damper motors. Mixing box accessory shall be available for installation to the return air section of the air handler for either horizontal or vertical applications.

**DISCHARGE PLENUM AND GRILLE**—Shall be available for vertical application. Discharge grille shall provide manually adjustable double deflection discharge vanes.

**RETURN AIR GRILLES**—Shall be provided for vertical return applications.

**HOT WATER OR STEAM COILS**—Shall be available for field installation. All coils shall be tested to 300 psi. Coils shall be available for either horizontal or vertical air handler applications.



### **GENERAL TERMS OF LIMITED WARRANTY\***

Rheem will furnish a replacement for any part of this product \*For Complete Details of the Limited Warranty, Including which fails in normal use and services within the applicable periods stated below, in accordance with the terms of the limited warranty.

Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Any Part.....One (1) Year



In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

