



A **NIBE** GROUP MEMBER

CLIMATEMASTER® AIR HANDLER



RHCLP

Nominal Sizes 7.5 & 10 Tons
[26.4 & 35.2 kW]

Manufactured for
ClimateMaster®
ClimateMaster.com



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CABINET—The pre-painted, sheet-metal cabinet uses 18-gauge material for structural components with an under-lying coat of G60 electro deposition powder coating that is tested to withstand a rigorous 500-hour salt spray test, per ASTM B117.

MOTOR—Inherently protected motors are mounted inside of insulated cabinet to reduce motor noise. A choice of motor horsepower 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. MERV 13 & MERV 8 filters are available as an accessory.

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.

VARIABLE FREQUENCY DRIVE—Provides 2-stage airflow for improved part load efficiency. Meets California Title 24 requirements.

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.

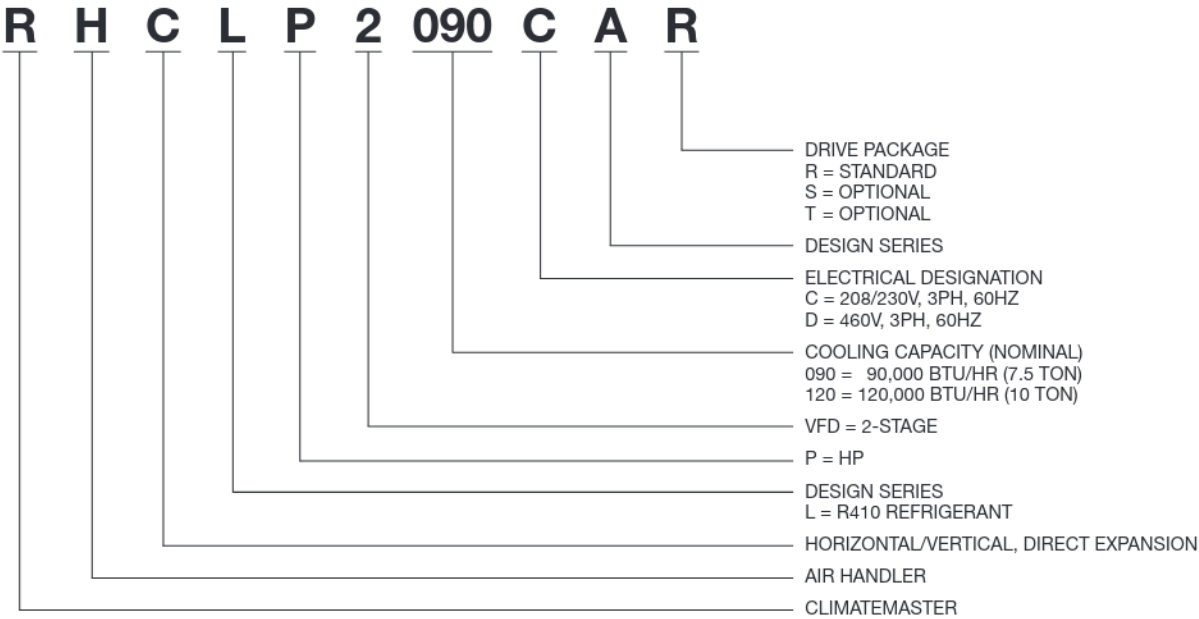
SERVICE ACCESS—Two removable panels on top and each side of the unit are easily removed for access to motors, blowers, sheaves, and filters.

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

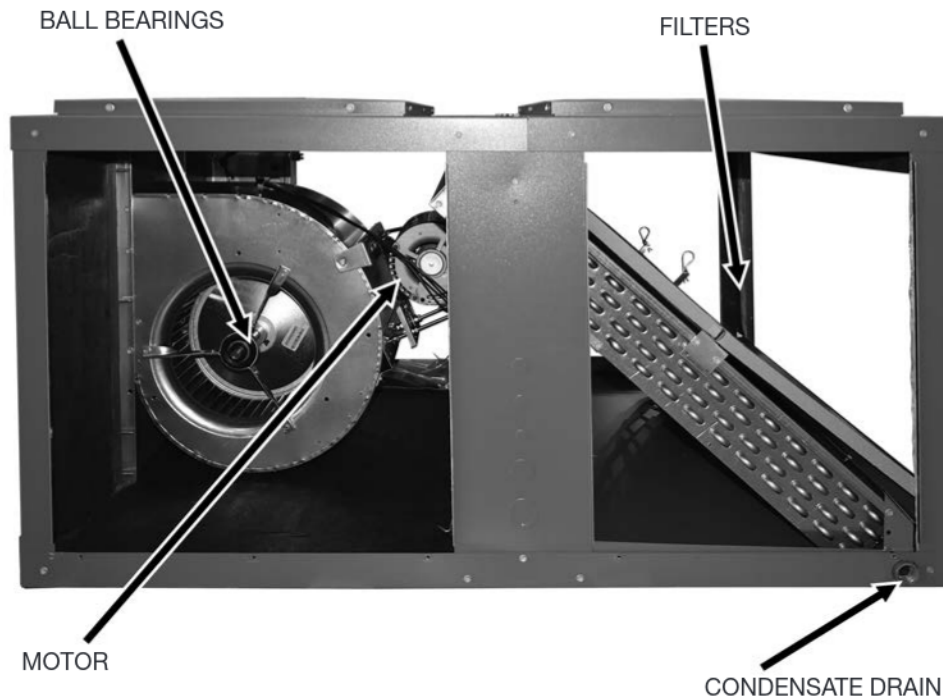
TESTING—All units are run tested at the factory prior to shipment. Units are shipped with a holding charge of nitrogen.

HEAT PUMP—The RHCLP Air Handler is designed for heat pump applications. It has two TX valves with internal check valves that allow reverse flow to occur, providing superior control during heating and cooling cycles. The RHCLP Air Handler has been rated and certified to operate with matching size RPCL heat pumps.

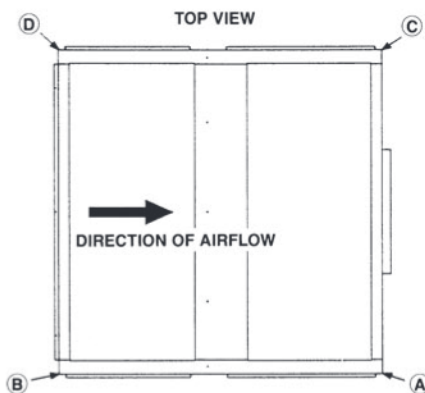
[] Designates Metric Conversions



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Unit with side panel removed for coil connections and air filter access.

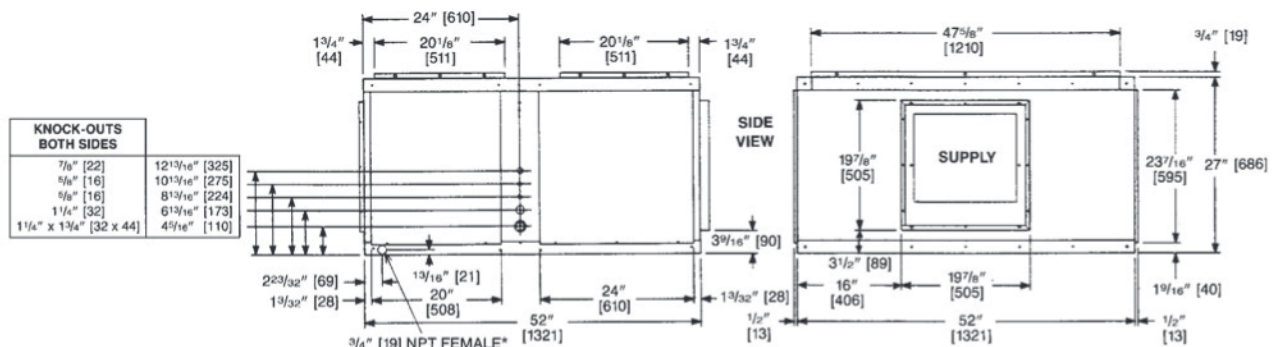


RETURN AIR OPENINGS = 47³/₈" [1203] WIDTH x 19⁷/₈" [505] HEIGHT

7.5 & 10 NOMINAL TONS [26.4 & 35.2 kW]

REFRIGERANT STUB SIZES, IN. [mm]				
MODEL	DUAL LIQ.	DUAL SUC.	SINGLE LIQ.	SINGLE SUC.
090	1/2, 1/2 [13, 13]	7/8, 7/8 [22, 22]	1/2 [13]	1 1/8 [29]
120	1/2, 1/2 [13, 13]	7/8, 7/8 [22, 22]	5/8 [16]	1 3/8 [35]

MODEL	REFRIGERANT STUB SIZES, IN. [mm]				TOTAL WEIGHT	GROSS WEIGHT
	A	B	C	D		
090	127 [57]	57 [25]	50 [22]	131 [59]	365 [165]	409 [185]
120	127 [57]	57 [25]	50 [22]	131 [59]	365 [165]	409 [185]



*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.

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		RHCLP	
Cooling Size		090	120
Nominal size (tons)		7-1/2	10
Nominal CFM @ Rated E.S.P. (2nd Stage)		3000 @ .25"	4000 @ .30"
# of Blower Speeds		2	2
1st Stage Blower RPM %		63%	66%
MOTOR HORSEPOWER	Standard— 1750 RPM 3 phase	2 HP	2 HP
	Optional— 1750 RPM 3 phase	2 HP, 3 HP	2 HP, 3 HP
Blower Size—diameter x width		12 X 12	12 X 12
Blower Shaft Diameter		3/4	3/4
Motor Sheave	1750 RPM 3 phase	1VP50	AVL40
Belt Type & Size Std.		A-50	A-52
Coil Face Area (sq. ft.)		10.2	12.6
Coil Tube Diameter		3/8	3/8
Coil, Rows Deep-Fins Per Inch		4/15	4/15
T.X. Valve Refrigerant Control		(2) CBBIZE-5-GA	(2) CBBIZE-6-GA
Filter Size (std.)* No. Req'd		(4) 16 X 25 X 1	Field Installed
CABINET:			
Finish		Prepaint	Prepaint
Sheet Metal		Galvanized	Galvanized
Gauge: Top		18	18
Sides		16	16
Bottom		18	18
Door and Covers		20 min.	20 min.
UNIT WEIGHTS:			
Operating	R—Drive	330	447
	S—Drive	330	458
	T—Drive	341	458
Shipping	R—Drive	396	513
	S—Drive	396	535
	T—Drive	407	535

AIRFLOW PERFORMANCE RHCLP2090 — 7.5 TON [26.4kW] — 60 Hz — SIDEFLOW

(-) HCLP2090		Voltage 208/230 — 3 phase 60 Hz																			
Air Flow CFM [L/s]	RPM	External Static Pressure—Inches of Water [kPa]																			
		0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]
2400 [1133]	—	—	626	590	673	644	720	696	767	745	803	792	843	854	883	915	921	976	959	1036	995
2500 [1187]	—	—	641	634	688	688	734	741	780	790	815	835	855	898	883	961	931	1023	968	1084	1004
2600 [1227]	—	—	657	680	703	736	748	788	793	838	828	883	867	948	904	1012	941	1075	977	1138	1012
2700 [1274]	628	671	673	730	718	786	763	839	806	890	840	936	878	1003	915	1068	951	1133	987	1197	1001
2800 [1321]	645	724	690	783	734	839	778	893	815	926	853	995	890	1063	927	1130	962	1196	996	1261	1012
2900 [1368]	663	779	707	839	750	896	793	951	829	989	866	1059	903	1128	938	1196	973	1264	1006	1331	1022
3000 [1416]	682	838	725	898	767	956	806	985	843	1057	879	1128	915	1199	950	1269	983	1338	1016	1406	1032
3100 [1463]	701	900	743	961	784	1019	820	1056	857	1130	893	1203	928	1275	961	1346	994	1416	1012	1466	1043
3200 [1510]	720	965	761	1026	802	1085	836	1133	871	1208	906	1283	940	1356	973	1429	1005	1500	1023	1551	1054
3300 [1557]	740	1033	780	1095	815	1139	851	1216	886	1292	920	1368	953	1442	985	1516	1017	1590	1035	1640	1065
3400 [1604]	760	1104	799	1167	831	1225	866	1303	900	1381	934	1458	966	1534	998	1610	1015	1654	1046	1735	1076
3500 [1652]	781	1179	812	1236	847	1316	882	1396	915	1475	948	1554	979	1631	1010	1708	1027	1749	1057	1833	1088
3600 [1699]	800	1247	831	1297	868	1377	903	1457	940	1554	979	1631	1010	1708	1027	1749	1057	1833	1088	1919	1117
3700 [1746]	820	1318	851	1358	888	1438	924	1518	961	1625	997	1699	1041	1781	1046	1825	1092	1901	1135	1987	1164
3800 [1793]	840	1389	871	1419	909	1500	945	1579	982	1696	1016	1769	1062	1842	1067	1899	1117	2006	1146	2096	1175
3900 [1840]	860	1460	891	1480	929	1581	966	1640	1003	1767	1039	1842	1085	1913	1088	1949	1147	2096	1146	2096	1175
4000 [1888]	880	1531	911	1541	950	1662	989	1701	1024	1838	1062	1913	1106	2006	1146	2096	1146	2096	1146	2096	1146

Airflow CFM [L/s]	AIRFLOW CORRECTION FACTORS *			Wet Coil			COMPONENT AIRFLOW RESISTANCE		
	Total MBH	Sensible MBH	Power kW	Resistance Inches of Water [kPa]	Resistance Inches of Water	Resistance Inches of Water	MERV 8 Filter	MERV 13 Filter	Resistance Inches of Water
2400 [1133]	0.93	0.73	0.96	0.04 [0.01]	0.097	0.103	0.097	0.103	0.103
2500 [1180]	0.93	0.74	0.96	0.05 [0.01]	0.106	0.112	0.106	0.112	0.112
2600 [1227]	0.94	0.76	0.97	0.05 [0.01]	0.115	0.121	0.115	0.121	0.121
2700 [1274]	0.94	0.78	0.97	0.05 [0.01]	0.124	0.130	0.124	0.130	0.130
2800 [1321]	0.95	0.80	0.97	0.05 [0.01]	0.133	0.138	0.133	0.138	0.138
2900 [1368]	0.95	0.81	0.97	0.06 [0.01]	0.142	0.147	0.142	0.147	0.147
3000 [1416]	0.95	0.83	0.98	0.06 [0.01]	0.151	0.156	0.151	0.156	0.156
3100 [1463]	0.96	0.85	0.98	0.06 [0.01]	0.160	0.164	0.160	0.164	0.164
3200 [1510]	0.96	0.87	0.98	0.06 [0.01]	0.169	0.173	0.169	0.173	0.173
3300 [1557]	0.97	0.88	0.99	0.07 [0.02]	0.178	0.182	0.178	0.182	0.182
3400 [1604]	0.97	0.90	0.99	0.07 [0.02]	0.188	0.190	0.188	0.190	0.190
3500 [1652]	0.98	0.92	0.99	0.07 [0.02]	0.197	0.199	0.197	0.199	0.199
3600 [1699]	0.98	0.93	0.99	0.08 [0.02]	0.206	0.208	0.206	0.208	0.208
3700 [1746]	0.99	0.95	1.00	0.08 [0.02]	0.215	0.217	0.215	0.217	0.217
3800 [1793]	0.99	0.97	1.00	0.08 [0.02]	0.224	0.225	0.224	0.225	0.225
3900 [1840]	1.00	0.99	1.00	0.08 [0.02]	0.233	0.234	0.233	0.234	0.234
4000 [1888]	1.00	1.00	1.01	0.09 [0.02]	0.242	0.243	0.242	0.243	0.243

* Multiply correction factor times gross performance data — resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE RHCLP2120 — 10 TON [35.2 kW] — 60 Hz — SIDEFLOW

Air Flow CFM [L/s]		(-)HCLP2120 Voltage 208/230, 460, 575 3 phase 60 Hz																																								
		External Static Pressure—Inches of Water [kPa]																																								
		0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																					
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W																			
3200 [1510]	—	—	—	—	591	1058	623	1093	653	1132	684	1174	713	1219	743	1268	771	1320	800	1375	827	1434	854	1496	881	1562	907	1631	933	1703	958	1778	983	1857	1007	1939	1031	2025	1054	2114		
3300 [1557]	—	—	—	—	601	1093	632	1131	662	1171	692	1215	721	1263	750	1313	778	1367	806	1425	834	1486	861	1550	887	1617	913	1688	938	1762	963	1840	987	1921	1011	2005	1035	2092	1057	2183		
3400 [1604]	—	—	—	—	610	1132	641	1172	671	1214	700	1260	729	1310	758	1362	786	1419	813	1478	840	1541	867	1607	893	1676	918	1749	943	1825	968	1905	992	1988	1015	2074	1038	2163	1061	2256		
3500 [1652]	—	—	—	—	589	1137	620	1175	650	1217	680	1261	709	1309	738	1361	766	1415	793	1473	821	1535	847	1600	873	1668	899	1739	924	1814	949	1892	973	1974	997	2059	1020	2147	1042	2238	1065	2333
3600 [1699]	—	—	—	—	599	1182	630	1222	659	1265	689	1312	718	1362	746	1415	774	1472	801	1532	828	1595	854	1662	880	1732	905	1806	930	1883	954	1963	978	2046	1001	2133	1024	2223	1047	2317	1068	2414
3700 [1746]	—	—	—	—	610	1230	640	1272	669	1318	698	1366	726	1418	754	1474	782	1532	809	1594	835	1660	861	1729	887	1801	912	1876	936	1955	960	2037	984	2123	1006	2211	1029	2304	1051	2399	1072	2498
3800 [1793]	590	1242	620	1282	650	1326	679	1374	707	1424	736	1478	763	1536	790	1596	817	1660	843	1728	869	1799	894	1873	918	1980	942	2031	966	2115	989	2203	1012	2293	1034	2388	1055	2485	1076	2586		
3900 [1840]	601	1296	631	1338	660	1384	689	1433	717	1486	745	1542	772	1601	799	1664	825	1730	851	1800	876	1872	901	1949	925	2028	949	2111	972	2197	995	2286	1017	2379	1039	2475	1060	2575	1081	2678		
4000 [1888]	612	1353	641	1398	670	1446	699	1497	727	1552	754	1610	781	1671	807	1736	833	1804	859	1875	884	1950	908	2028	932	2110	955	2114	978	2282	1001	2374	1022	2469	1044	2567	1065	2666	1085	2773		
4100 [1935]	623	1414	652	1461	681	1511	709	1564	737	1621	764	1681	790	1744	816	1811	842	1881	867	1955	891	2031	915	2111	939	2195	962	2282	984	2372	1006	2465	1028	2562	1049	2662	1070	2769	1080	2873		
4200 [1982]	635	1480	663	1528	692	1580	719	1635	747	1694	773	1756	799	1821	825	1890	850	1962	875	2038	899	2116	923	2198	946	2284	969	2373	991	2465	1013	2560	1034	2659	1054	2761	1075	2867	1094	2976		
4300 [2029]	646	1548	675	1599	703	1653	730	1710	757	1771	783	1835	809	1902	834	1973	859	2047	883	2124	907	2205	931	2289	953	2377	976	2467	998	2562	1019	2659	1040	2760	1060	2864	1080	2972	1099	3082		
4400 [2076]	658	1621	686	1674	714	1730	741	1789	767	1851	793	1917	819	1987	844	2059	868	2136	892	2215	916	2298	939	2384	961	2473	983	2566	1004	2662	1025	2762	1046	2864	1066	2971	1085	3080	1104	3193		
4500 [2123]	670	1697	698	1752	725	1810	752	1871	778	1936	803	2004	828	2075	853	2150	877	2228	901	2309	924	2394	947	2482	969	2573	990	2668	1011	2766	1032	2868	1059	2973	1072	3081	1091	3192	1109	3307		
4600 [2171]	682	1777	710	1834	736	1894	763	1957	788	2024	814	2094	838	2167	863	2244	886	2324	910	2407	933	2494	955	2584	977	2677	998	2774	1019	2874	1039	2978	1059	3085	1078	3195	1097	3308	1115	3425		
4700 [2218]	694	1861	721	1920	748	1982	774	2047	799	2116	824	2188	849	2263	872	2342	896	2424	919	2509	941	2598	963	2690	985	2785	1005	2884	1026	2986	1046	3092	1065	3200	1084	3313	1102	3428	1120	3547		
4800 [2265]	707	1949	733	2009	760	2073	785	2140	810	2211	835	2285	859	2362	882	2443	905	2527	928	2614	950	2705	972	2799	993	2897	1013	2997	1033	3102	1053	3209	1072	3320	1090	3434	1109	3551	1126	3672		

NOTE: A-Drive left of bold line, B-Drive right of bold line, C-Drive right of double line.

Airflow CFM [L/s]	AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE			
	Sensible MBH		Power kW		Wet Coil		MERV 8 Filter	
	Total MBH				Resistance Inches of Water [kPa]		Resistance Inches of Water	Resistance Inches of Water
3200 [1510]	0.96	0.87	0.98		0.04 [0.01]		0.169	0.173
3300 [1557]	0.97	0.88	0.99		0.05 [0.01]		0.178	0.182
3400 [1604]	0.97	0.90	0.99		0.05 [0.01]		0.188	0.190
3500 [1652]	0.98	0.92	0.99		0.05 [0.01]		0.197	0.199
3600 [1699]	0.98	0.93	0.99		0.05 [0.01]		0.206	0.208
3700 [1746]	0.99	0.95	1.00		0.06 [0.01]		0.215	0.217
3800 [1793]	0.99	0.97	1.00		0.06 [0.01]		0.224	0.255
3900 [1840]	1.00	0.99	1.00		0.06 [0.01]		0.233	0.234
4000 [1888]	1.00	1.00	1.01		0.06 [0.01]		0.242	0.243
4100 [1935]	1.00	1.02	1.01		0.07 [0.02]		0.251	0.251
4200 [1982]	1.01	1.04	1.01		0.07 [0.02]		0.260	0.260
4300 [2029]	1.01	1.06	1.01		0.07 [0.02]		0.269	0.269
4400 [2076]	1.02	1.07	1.02		0.08 [0.02]		0.278	0.277
4500 [2123]	1.02	1.09	1.02		0.08 [0.02]		0.287	0.286
4600 [2171]	1.03	1.11	1.02		0.08 [0.02]		0.296	0.295
4700 [2218]	1.03	1.12	1.03		0.08 [0.02]		0.305	0.303
4800 [2265]	1.04	1.14	1.03		0.09 [0.02]		0.314	0.312

* Multiply correction factor times gross performance data — resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions

PERFORMANCE DATA @ AHRI STANDARD CONDITIONS

MODEL NUMBERS		80°F [26.5°C] DB 67°F [19.5°C] WB INDOOR AIR 95°F [35°C] DB OUTDOOR AIR					RATED INDOOR CFM [L/s]
OUTDOOR UNIT RPCL-	INDOOR COIL AND/OR AIR HANDLER	TOTAL CAPACITY BTU/H [kW]	NET SENSIBLE BTU/H [kW]	NET LATENT BTU/H [kW]	EER	IEER	
RPCL2090	RHCLP2090	85000 [24.9]	58200 [17.1]	26800 [7.8]	11.0	12.2	2650
RPCL2120	RHCLP2120	113000 [33.1]	83100 [24.3]	29900 [8.8]	11.2	12.2	3400

COOLING PERFORMANCE DATA — RPCL2090CAZ+RHCLP2090CA(-)

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①															
WDE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			61°F [16.1°C]			59°F [15.0°C]	
CFM [L/s]		3600 [1699]	3225 [1522]	2400 [1133]	3600 [1699]	3225 [1522]	2400 [1133]	3600 [1699]	3225 [1522]	2400 [1133]	3600 [1699]	3225 [1522]	2400 [1133]	3600 [1699]	3225 [1522]
DR ③		0.21	0.19	0.12	0.21	0.19	0.12	0.21	0.19	0.12	0.21	0.19	0.12	0.21	0.19
75 [23.9]	Total BTUH [KW]	104.3 [30.6]	102.2 [29.9]	97.4 [28.5]	97.0 [28.4]	95.0 [27.8]	90.5 [26.5]	86.3 [25.3]	84.5 [24.8]	80.6 [23.6]	79.4 [23.3]	77.7 [22.8]	74.1 [21.7]	71.1 [20.8]	69.7 [20.4]
	Sens BTUH [KW]	66.6 [19.5]	63.1 [18.5]	55.6 [16.3]	73.7 [21.6]	69.9 [20.5]	61.5 [18.0]	71.6 [21.0]	68.0 [19.9]	59.8 [17.5]	66.8 [19.6]	63.4 [18.6]	55.8 [16.4]	59.3 [17.4]	56.2 [16.5]
	Power	7.2	7.1	6.9	6.6	6.6	6.4	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.5
80 [26.7]	Total BTUH [KW]	102.5 [30.0]	100.4 [29.4]	95.7 [28.0]	95.1 [27.9]	93.1 [27.3]	88.8 [26.0]	84.4 [24.7]	82.7 [24.2]	78.8 [23.1]	77.5 [22.7]	75.9 [22.2]	72.4 [21.2]	69.3 [20.3]	67.9 [19.9]
	Sens BTUH [KW]	66.0 [19.3]	62.6 [18.3]	55.1 [16.2]	73.1 [21.4]	69.4 [20.3]	61.1 [17.9]	71.1 [20.8]	67.4 [19.8]	59.4 [17.4]	66.3 [19.4]	62.9 [18.4]	55.4 [16.2]	58.7 [17.2]	55.7 [16.3]
	Power	7.4	7.3	7.2	6.9	6.8	6.6	6.3	6.2	6.1	6.0	6.0	6.0	5.8	5.7
85 [29.4]	Total BTUH [KW]	100.3 [29.4]	98.2 [28.8]	93.7 [27.4]	92.9 [27.2]	91.0 [26.7]	86.8 [25.4]	82.3 [24.1]	80.6 [23.6]	76.8 [22.5]	75.3 [22.1]	73.8 [21.6]	70.4 [20.6]	67.1 [19.7]	65.7 [19.3]
	Sens BTUH [KW]	65.2 [19.1]	61.8 [18.1]	54.4 [16.0]	72.3 [21.2]	68.6 [20.1]	60.4 [17.7]	70.3 [20.6]	66.7 [19.5]	58.7 [17.2]	65.5 [19.2]	62.1 [18.2]	54.7 [16.0]	57.9 [17.0]	54.9 [16.1]
	Power	7.7	7.6	7.5	7.2	7.1	6.9	6.6	6.5	6.4	6.3	6.3	6.3	6.1	6.0
90 [32.2]	Total BTUH [KW]	97.8 [28.7]	95.8 [28.1]	91.3 [26.8]	90.4 [26.5]	88.6 [26.0]	84.5 [24.7]	79.8 [23.4]	78.1 [22.9]	74.5 [21.8]	72.9 [21.3]	71.3 [20.9]	68.0 [19.9]	64.6 [18.9]	63.3 [18.5]
	Sens BTUH [KW]	64.0 [18.8]	60.7 [17.8]	53.5 [15.7]	71.2 [20.9]	67.5 [19.8]	59.4 [17.4]	69.1 [20.3]	65.6 [19.2]	57.7 [16.9]	64.3 [18.9]	61.0 [17.9]	53.7 [15.7]	56.8 [16.6]	53.8 [15.8]
	Power	8.0	8.0	7.8	7.5	7.4	7.3	6.9	6.9	6.7	6.7	6.7	6.6	6.4	6.4
95 [35]	Total BTUH [KW]	95.0 [27.8]	93.0 [27.3]	88.7 [26.0]	87.6 [25.7]	85.8 [25.2]	81.8 [24.0]	77.0 [22.6]	75.4 [22.1]	71.9 [21.1]	70.1 [20.5]	68.6 [20.1]	65.4 [19.2]	61.8 [18.1]	60.5 [17.7]
	Sens BTUH [KW]	62.6 [18.3]	59.4 [17.4]	52.3 [15.3]	69.7 [20.4]	66.1 [19.4]	58.2 [17.1]	67.7 [19.8]	64.2 [18.8]	56.5 [16.6]	62.9 [18.4]	59.7 [17.5]	52.5 [15.4]	55.3 [16.2]	52.5 [15.4]
	Power	8.4	8.4	8.2	7.9	7.8	7.6	7.3	7.3	7.1	7.1	7.1	7.0	6.8	6.8
100 [37.8]	Total BTUH [KW]	91.9 [26.9]	90.0 [26.4]	85.8 [25.1]	84.5 [24.8]	82.8 [24.3]	78.9 [23.1]	73.9 [21.6]	72.3 [21.2]	69.0 [20.2]	66.9 [19.6]	65.5 [19.2]	62.5 [18.3]	58.7 [17.2]	57.5 [16.8]
	Sens BTUH [KW]	60.9 [17.8]	57.7 [16.9]	50.8 [14.9]	68.0 [19.9]	64.5 [18.9]	56.8 [16.6]	66.0 [19.3]	62.6 [18.3]	55.1 [16.1]	61.2 [17.9]	58.0 [17.0]	51.1 [15.0]	53.6 [15.7]	50.8 [14.9]
	Power	8.9	8.8	8.6	8.3	8.2	8.0	7.8	7.7	7.5	7.5	7.5	7.4	7.2	7.1
105 [40.6]	Total BTUH [KW]	88.5 [25.9]	86.6 [25.4]	82.6 [24.2]	81.1 [23.8]	79.4 [23.3]	75.7 [22.2]	70.4 [20.6]	69.0 [20.2]	65.8 [19.3]	63.5 [18.6]	62.2 [18.2]	59.3 [17.4]	55.3 [16.2]	54.1 [15.9]
	Sens BTUH [KW]	58.8 [17.2]	55.8 [16.4]	49.1 [14.4]	65.9 [19.3]	62.6 [18.3]	55.1 [16.1]	63.9 [18.7]	60.6 [17.8]	53.4 [15.6]	59.1 [17.3]	56.1 [16.4]	49.4 [14.5]	51.5 [15.1]	48.9 [14.3]
	Power	9.4	9.3	9.1	8.8	8.7	8.5	8.2	8.2	8.0	8.0	8.0	7.9	7.7	7.7
110 [43.3]	Total BTUH [KW]	84.7 [24.8]	83.0 [24.3]	79.1 [23.2]	77.3 [22.7]	75.7 [22.2]	72.2 [21.2]	66.7 [19.5]	65.3 [19.1]	62.2 [18.2]	59.7 [17.5]	58.5 [17.1]	55.8 [16.3]	51.5 [15.1]	50.4 [14.8]
	Sens BTUH [KW]	56.5 [16.6]	53.6 [15.7]	47.2 [13.8]	63.6 [18.6]	60.3 [17.7]	53.1 [15.6]	61.6 [18.0]	58.4 [17.1]	51.4 [15.1]	56.8 [16.6]	53.9 [15.8]	47.4 [13.9]	49.2 [14.4]	46.7 [13.7]
	Power	9.9	9.8	9.6	9.3	9.2	9.0	8.8	8.7	8.5	8.5	8.5	8.4	8.2	8.1
115 [46.1]	Total BTUH [KW]	80.6 [23.6]	79.0 [23.1]	75.3 [22.1]	73.3 [21.5]	71.7 [21.0]	68.4 [20.0]	62.6 [18.3]	61.3 [18.0]	58.4 [17.1]	55.7 [16.3]	54.5 [16.0]	52.0 [15.2]	47.4 [13.9]	46.5 [13.6]
	Sens BTUH [KW]	53.9 [15.8]	51.1 [15]	45.0 [13.2]	61.0 [17.9]	57.8 [16.9]	50.9 [14.9]	58.9 [17.3]	55.9 [16.4]	49.2 [14.4]	54.1 [15.9]	51.4 [15.1]	45.2 [13.3]	46.6 [13.6]	44.2 [12.9]
	Power	10.5	10.4	10.1	9.9	9.8	9.6	9.4	9.3	9.1	9.1	9.1	9.0	8.8	8.7
120 [48.9]	Total BTUH [KW]	76.2 [22.3]	74.7 [21.9]	71.2 [20.9]	68.9 [20.2]	67.5 [19.8]	64.3 [18.8]	58.2 [17.1]	57.0 [16.7]	54.4 [15.9]	51.3 [15.0]	50.2 [14.7]	47.9 [14.0]	43.1 [12.6]	42.2 [12.4]
	Sens BTUH [KW]	50.9 [14.9]	48.3 [14.2]	42.5 [12.5]	58.0 [17.0]	55.0 [16.1]	48.5 [14.2]	56.0 [16.4]	53.1 [15.6]	46.8 [13.7]	51.2 [15.0]	48.6 [14.2]	42.8 [12.5]	43.1 [12.6]	41.4 [12.1]
	Power	11.1	11.0	10.7	10.5	10.4	10.2	10	9.9	9.7	9.7	9.7	9.6	9.4	9.3
125 [51.7]	Total BTUH [KW]	71.5 [21]	70.1 [20.5]	66.8 [19.6]	64.2 [18.8]	62.8 [18.4]	59.9 [17.6]	53.5 [15.7]	52.4 [15.4]	50.0 [14.6]	46.6 [13.7]	45.6 [13.4]	43.5 [12.7]	38.4 [11.2]	37.6 [11]
	Sens BTUH [KW]	47.7 [14]	45.2 [13.3]	39.8 [11.7]	54.8 [16.1]	52.0 [15.2]	45.8 [13.4]	52.8 [15.5]	50.1 [14.7]	44.1 [12.9]	46.6 [13.7]	45.5 [13.3]	40.1 [11.7]	38.4 [11.2]	37.6 [11]
	Power	11.8	11.7	11.4	11.2	11.1	10.9	10.7	10.6	10.3	10.4	10.4	10.3	10.1	10.1
OUTDOOR DRY BULB TEMPERATURE °F [°C]															

DR — Depression ratio
dbE — Entering air dry bulb
WDE — Entering air wet bulb

NOTES:
① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[] Designates Metric Conversions

COOLING PERFORMANCE DATA — RPCL2120CAZ+RHCLP2120CA(-)

WDE		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												61°F [16.1°C]				59°F [15.0°C]			
		71°F [21.7°C]				67°F [19.4°C]				63°F [17.2°C]											
CFM [L/s]		4500 [2124]	3400 [1605]	3000 [1416]	4500 [2124]	3400 [1605]	3000 [1416]	4500 [2124]	3400 [1605]	3000 [1416]	4500 [2124]	3400 [1605]	3000 [1416]	4500 [2124]	3400 [1605]	3000 [1416]	4500 [2124]	3400 [1605]	3000 [1416]		
DR ①		0.07	0.02	-0.01	0.07	0.02	-0.01	0.07	0.02	-0.01	0.07	0.02	-0.01	0.07	0.02	-0.01	0.07	0.02	-0.01		
75°F [23.9°C]	Total BTUH [kW]	144.4 [42.3]	136.4 [40.0]	133.5 [39.1]	135.1 [39.6]	127.5 [37.4]	124.8 [36.6]	126.1 [37.0]	119.1 [34.9]	116.6 [34.2]	122.0 [35.7]	115.2 [33.8]	112.7 [33.0]	118.1 [34.6]	111.5 [32.7]	109.1 [32.0]	115.5 [32.7]	109.1 [32.0]	109.1 [32.0]		
	Sens BTUH [kW]	90.0 [26.4]	78.2 [22.9]	73.9 [21.7]	106.3 [31.2]	92.4 [27.1]	87.3 [25.6]	117.5 [34.4]	102.1 [29.9]	96.5 [28.3]	120.4 [35.3]	104.6 [30.6]	98.8 [29.0]	118.1 [34.6]	105.0 [30.8]	99.3 [29.1]	118.1 [34.6]	105.0 [30.8]	99.3 [29.1]		
	Power	8.0	7.7	7.7	7.9	7.6	7.6	7.7	7.7	7.5	7.5	7.7	7.5	7.4	7.6	7.4	7.6	7.4	7.3	7.3	
80°F [26.7°C]	Total BTUH [kW]	141.8 [41.5]	133.9 [39.2]	131.0 [38.4]	132.4 [38.8]	125.1 [36.6]	122.4 [35.9]	123.5 [36.2]	116.6 [34.2]	114.1 [33.4]	119.3 [35.0]	112.7 [33.0]	110.3 [32.3]	115.4 [33.8]	109.0 [31.9]	106.7 [31.3]	115.4 [33.8]	109.0 [31.9]	106.7 [31.3]		
	Sens BTUH [kW]	88.9 [26.1]	77.3 [22.6]	73.0 [21.4]	105.2 [30.8]	91.4 [26.8]	86.4 [25.3]	116.4 [34.1]	101.1 [29.6]	95.6 [28.0]	119.3 [35.0]	103.6 [30.4]	97.9 [28.7]	115.4 [33.8]	104.1 [30.5]	98.4 [28.8]	115.4 [33.8]	104.1 [30.5]	98.4 [28.8]		
	Power	8.3	8.1	8.0	8.2	8.0	7.9	8.1	8.1	7.9	7.8	8.0	7.8	7.7	8.0	7.8	8.0	7.8	7.7	7.7	
85°F [29.4°C]	Total BTUH [kW]	139.0 [40.7]	131.3 [38.5]	128.5 [37.6]	129.6 [38.0]	122.4 [35.9]	119.8 [35.1]	120.7 [35.4]	114.0 [33.4]	111.6 [32.7]	116.5 [34.2]	110.1 [32.3]	107.7 [31.6]	112.7 [33.0]	106.4 [31.2]	104.1 [30.5]	112.7 [33.0]	106.4 [31.2]	104.1 [30.5]		
	Sens BTUH [kW]	87.7 [25.7]	76.2 [22.3]	72.0 [21.1]	104.0 [30.5]	90.4 [26.5]	85.4 [25.0]	115.2 [33.8]	100.1 [29.3]	94.6 [27.7]	116.5 [34.2]	102.6 [30.1]	97.0 [28.4]	112.7 [33.0]	103.0 [30.2]	97.4 [28.5]	112.7 [33.0]	103.0 [30.2]	97.4 [28.5]		
	Power	8.7	8.4	8.4	8.6	8.3	8.3	8.3	8.5	8.2	8.1	8.4	8.2	8.1	8.4	8.1	8.4	8.1	8.0	8.0	
90 [32.2°C]	Total BTUH [kW]	136.1 [39.9]	128.5 [37.7]	125.8 [36.9]	126.7 [37.1]	119.7 [35.1]	117.1 [34.3]	117.8 [35.4]	111.3 [32.6]	108.9 [31.9]	113.6 [33.3]	107.3 [31.5]	105.0 [30.8]	109.8 [32.2]	103.7 [30.4]	101.4 [29.7]	109.8 [32.2]	103.7 [30.4]	101.4 [29.7]		
	Sens BTUH [kW]	86.4 [25.3]	75.1 [22.0]	70.9 [20.8]	102.7 [30.1]	89.2 [26.1]	84.3 [24.7]	113.8 [33.4]	98.9 [29.0]	93.5 [27.4]	113.6 [33.3]	101.4 [29.7]	95.8 [28.1]	109.8 [32.2]	101.9 [29.9]	96.3 [28.2]	109.8 [32.2]	101.9 [29.9]	96.3 [28.2]		
	Power	9.1	8.8	8.7	9.0	8.7	8.6	8.9	8.6	8.5	8.5	8.8	8.6	8.5	8.8	8.5	8.8	8.5	8.4	8.4	
95°F [35°C]	Total BTUH [kW]	133.1 [39.0]	125.7 [36.8]	123.0 [36.0]	123.7 [36.2]	116.8 [34.2]	114.3 [33.5]	114.8 [33.6]	108.4 [31.8]	106.1 [31.1]	110.6 [32.4]	104.5 [30.6]	102.2 [30.0]	106.7 [31.3]	100.8 [29.5]	98.6 [28.9]	106.7 [31.3]	100.8 [29.5]	98.6 [28.9]		
	Sens BTUH [kW]	84.9 [24.9]	73.8 [21.6]	69.7 [20.4]	101.2 [29.7]	87.9 [25.8]	83.1 [24.4]	112.4 [32.9]	97.6 [28.6]	92.3 [27.0]	110.6 [32.4]	100.1 [29.3]	94.6 [27.7]	106.7 [31.3]	100.6 [29.5]	95.1 [27.9]	106.7 [31.3]	100.6 [29.5]	95.1 [27.9]		
	Power	9.5	9.3	9.2	9.4	9.2	9.1	9.3	9.0	9.0	9.0	9.3	9.0	8.9	9.2	8.9	9.2	8.9	8.8	8.8	
100°F [37.8°C]	Total BTUH [kW]	129.9 [38.1]	122.7 [35.9]	120.1 [35.2]	120.5 [35.3]	113.8 [33.4]	111.4 [32.6]	111.6 [32.7]	105.4 [30.9]	103.1 [30.2]	107.4 [31.5]	101.5 [29.7]	99.3 [29.1]	103.6 [30.3]	97.8 [28.7]	95.7 [28.0]	103.6 [30.3]	97.8 [28.7]	95.7 [28.0]		
	Sens BTUH [kW]	83.3 [24.4]	72.3 [21.2]	68.4 [20.0]	99.6 [29.2]	86.5 [25.3]	81.8 [24.0]	110.7 [32.4]	96.2 [28.2]	90.9 [26.6]	107.4 [31.5]	98.7 [28.9]	93.3 [27.3]	103.6 [30.3]	97.8 [28.7]	93.7 [27.5]	103.6 [30.3]	97.8 [28.7]	93.7 [27.5]		
	Power	10.0	9.7	9.6	9.9	9.6	9.5	9.8	9.5	9.4	9.4	9.7	9.4	9.3	9.7	9.4	9.7	9.4	9.3	9.3	
105°F [40.6°C]	Total BTUH [kW]	126.6 [37.1]	119.6 [35.0]	117.0 [34.3]	117.2 [34.4]	110.7 [32.4]	108.3 [31.7]	108.3 [31.7]	102.3 [30.0]	100.1 [29.3]	104.1 [30.5]	98.3 [28.8]	96.2 [28.2]	100.3 [29.4]	94.7 [27.7]	92.7 [27.2]	100.3 [29.4]	94.7 [27.7]	92.7 [27.2]		
	Sens BTUH [kW]	81.5 [23.9]	70.8 [20.7]	66.9 [19.6]	97.8 [28.7]	85.0 [24.9]	80.3 [23.5]	108.3 [31.7]	94.7 [27.7]	89.5 [26.2]	104.1 [30.5]	97.2 [28.5]	91.8 [26.9]	100.3 [29.4]	94.7 [27.7]	92.3 [27.0]	100.3 [29.4]	94.7 [27.7]	92.3 [27.0]		
	Power	10.5	10.2	10.1	10.4	10.1	10.0	10.3	10.0	9.9	9.9	10.2	9.9	9.8	10.2	9.9	10.2	9.9	9.8	9.8	
110°F [43.3°C]	Total BTUH [kW]	123.2 [36.1]	116.3 [34.1]	113.8 [33.4]	113.8 [33.4]	107.5 [31.5]	105.2 [30.8]	104.9 [30.7]	99.0 [29.0]	96.9 [28.4]	100.7 [29.5]	95.1 [27.9]	93.1 [27.3]	96.8 [28.4]	91.4 [26.8]	89.5 [26.2]	96.8 [28.4]	91.4 [26.8]	89.5 [26.2]		
	Sens BTUH [kW]	79.6 [23.3]	69.1 [20.3]	65.3 [19.1]	95.9 [28.1]	83.3 [24.4]	78.7 [23.1]	104.9 [30.7]	93.0 [27.3]	87.9 [25.8]	100.7 [29.5]	95.1 [27.9]	90.3 [26.4]	96.8 [28.4]	91.4 [26.8]	88.5 [26.2]	96.8 [28.4]	91.4 [26.8]	88.5 [26.2]		
	Power	11.0	10.7	10.6	10.9	10.6	10.5	10.8	10.5	10.4	10.4	10.7	10.4	10.3	10.7	10.4	10.7	10.4	10.3	10.3	
115°F [46.1°C]	Total BTUH [kW]	119.6 [35.0]	112.9 [33.1]	110.5 [32.4]	110.2 [32.3]	104.1 [30.5]	101.9 [29.9]	101.3 [29.7]	95.7 [28.0]	93.6 [27.4]	97.1 [28.5]	91.7 [26.9]	89.8 [26.3]	93.2 [27.3]	88.1 [25.8]	86.2 [25.3]	93.2 [27.3]	88.1 [25.8]	86.2 [25.3]		
	Sens BTUH [kW]	77.5 [22.7]	67.4 [19.7]	63.7 [18.7]	93.8 [27.5]	81.5 [23.9]	77.0 [22.6]	101.3 [29.7]	91.2 [26.7]	86.2 [25.3]	97.1 [28.5]	91.7 [26.9]	88.6 [26.0]	93.2 [27.3]	88.1 [25.8]	86.2 [25.3]	93.2 [27.3]	88.1 [25.8]	86.2 [25.3]		
	Power	11.6	11.2	11.1	11.4	11.1	11.0	11.3	11.0	10.9	10.9	11.3	11.0	10.9	11.2	10.9	11.2	10.9	10.8	10.8	
120°F [48.9°C]	Total BTUH [kW]	115.9 [34.0]	109.4 [32.1]	107.1 [31.4]	106.5 [31.2]	100.6 [29.5]	98.4 [28.8]	97.6 [28.6]	92.2 [27.0]	90.2 [26.4]	93.4 [27.4]	88.2 [25.9]	86.3 [25.3]	89.5 [26.2]	84.6 [24.8]	82.8 [24.3]	89.5 [26.2]	84.6 [24.8]	82.8 [24.3]		
	Sens BTUH [kW]	75.3 [22.1]	65.4 [19.2]	61.9 [18.1]	91.6 [26.9]	79.6 [23.3]	75.2 [22.0]	97.6 [28.6]	89.3 [26.2]	84.4 [24.7]	93.4 [27.4]	88.2 [25.9]	86.3 [25.3]	89.5 [26.2]	84.6 [24.8]	82.8 [24.3]	89.5 [26.2]	84.6 [24.8]	82.8 [24.3]		
	Power	12.1	11.8	11.7	12.0	11.7	11.6	11.9	11.6	11.5	11.5	11.9	11.5	11.4	11.8	11.5	11.8	11.5	11.4	11.4	
125°F [51.7°C]	Total BTUH [kW]	112.1 [32.8]	105.8 [31.0]	103.6 [30.3]	102.7 [30.1]	97.0 [28.4]	94.9 [27.8]	93.8 [27.5]	88.6 [25.9]	86.7 [25.4]	89.6 [26.3]	84.6 [24.8]	82.8 [24.3]	85.7 [25.1]	81.0 [23.7]	79.2 [23.2]	85.7 [25.1]	81.0 [23.7]	79.2 [23.2]		
	Sens BTUH [kW]	73.0 [21.4]	63.4 [18.6]	59.9 [17.6]	89.3 [26.2]	77.6 [22.7]	73.3 [21.5]	93.8 [27.5]	87.3 [25.6]	82.5 [24.2]	89.6 [26.3]	84.6 [24.8]	82.8 [24.3]	85.7 [25.1]	81.0 [23.7]	79.2 [23.2]	85.7 [25.1]	81.0 [23.7]	79.2 [23.2]		
	Power	12.7	12.4	12.3	12.6	12.3	12.2	12.5	12.2	12.0	12.0	12.5	12.1	12.0	12.4	12.1	12.4	12.1	11.9	11.9	
OUT DOOR DRY BULB TEMPERATURE °F [°C]																					

DR — Depression ratio
dbE — Entering air dry bulb
wBE — Entering air wet bulb

NOTES:
① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

ELECTRICAL DATA—WITHOUT ELECTRIC HEAT

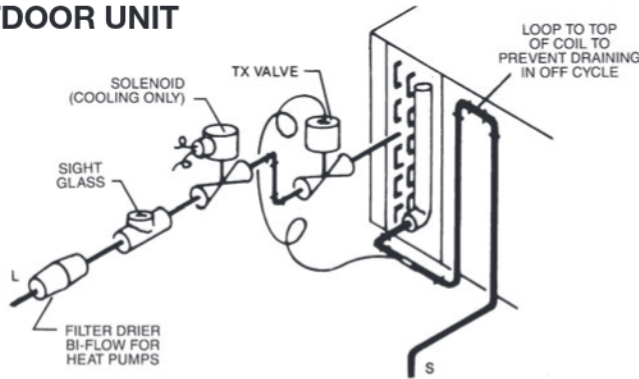
MODEL NUMBER	DRIVE PACKAGE	AIR HANDLER MOTOR					MINIMUM CIRCUIT AMPACITY	RECOMMENDED MINIMUM COPPER WIRE SIZE/ MAX. RUN IN FEET	MAXIMUM OVERCURRENT PROTECTION AMPS
		HP	VOLTS	PHASE	RATING PLATE AMPS	MOTOR LRA			
RHCLP2090C	R, S	2	208/230	3	6.2	47	15	#14 / 165	15
RHCLP2090D	R, S	2	460	3	3	24	15	#14 / 275	15
RHCLP2090C	T	3	208/230	3	9.2	74.5	15	#14 / 135	15
RHCLP2090D	T	3	460	3	4.6	38.1	15	#14 / 230	15
RHCLP2120C	R	2	208/230	3	6.2	47	15	#14 / 165	15
RHCLP2120D	R	2	460	3	3	24	15	#14 / 275	15
RHCLP2120C	S, T	3	208/230	3	9.2	74.5	15	#14 / 135	15
RHCLP2120D	S, T	3	460	3	4.6	38.1	15	#14 / 230	15

ELECTRICAL DATA—WITH ELECTRIC HEAT

MODEL NUMBER	HEATER KIT				HEATING CAPACITY		MIN. CIRCUIT AMPACITY	MAX FUSE OR HACR BREAKER SIZE
	MODEL	VOLTAGE	kW	AMPS	kW	MBH		
RHCLP2090C	RXHE-DE020CA	208/240	20	43.1/48.9	15.6/20.2	53.2/68.9	67/73	70/80
RHCLP2090C	RXHE-DE030CA	208/240	30	60.8/70.2	11.0/29.6	75.1/101	89/100	90/100
RHCLP2090D	RXHE-DE020DA	480	20	24.7	20.2	68.9	37	40
RHCLP2090D	RXHE-DE030DA	480	30	35	29.7	101.3	50	50
RHCLP2120C	RXHE-DE020CA	208/240	20	43.1/48.9	15.6/20.2	53.2/68.9	67/73	70/80
RHCLP2120C	RXHE-DE030CA	208/240	30	60.8/70.2	11.0/29.6	75.1/101	89/100	90/100
RHCLP2120D	RXHE-DE020DA	480	20	24.7	20.2	68.9	37	40
RHCLP2120D	RXHE-DE030DA	480	30	35	29.7	101.3	50	50

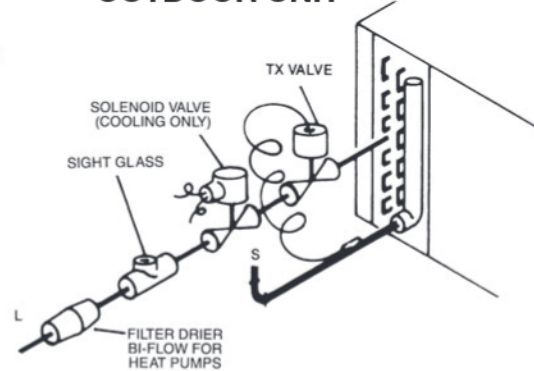
TYPICAL PIPING RECOMMENDATIONS

INDOOR COIL ABOVE OUTDOOR UNIT



NOTE: PIPING ACCESSORIES SHOWN SHOULD BE MOUNTED AS CLOSE TO AIR HANDLING UNIT AS POSSIBLE.

INDOOR COIL BELOW OUTDOOR UNIT



REFRIGERANT PIPING

1. Size liquid line for no more than 50 PSIG pressure drop.
2. Size suction lines for no more than 2°F loss, which corresponds to approximately 5 PSIG pressure drop.
3. When evaporator is installed below condensing unit, do not exceed the recommended suction line O.D. This will insure adequate velocities for proper oil return.
4. Install strainer-drier and sight glass in liquid line.
5. Pitch all horizontal suction lines downward in the direction of flow.
6. When making up refrigerant piping, take every precaution to prevent dirt and moisture from entering the piping.
7. Locate the condensing unit and evaporator(s) as close together as possible to minimize piping runs.
8. A liquid line solenoid installed just ahead of the expansion valve is recommended.
9. See tables below for general refrigerant line sizing and equivalent length of valves and fittings.
10. Refer to the vapor and liquid line selection procedure and charts in the outdoor unit installation manual or literature for more specific refrigerant line sizing information. When dual outdoor units are matched with the air-handler using dual circuits, size the refrigerant lines for each system independently.

RECOMMENDED VAPOR AND LIQUID LINE SIZES FOR VARIOUS LENGTHS OF RUN				
LINEAR LENGTH (FT.) [m]	LIQUID LINE O.D. SIZES (IN.) [mm]		VAPOR LINE O.D. SIZES (IN.) [mm]	
	090	120	090	120
0-40 [0-12.19]	1/2 [12.7]	5/8 [15.88]	1 1/8 [28.58]	1 3/8 [34.93]
41-90 [12.5-27.43]	1/2 [12.7]	5/8 [15.88]	1 3/8 [34.93]*	1 3/8 [34.93]*

*NOTE: With the outdoor unit located below the indoor air handler, all vertical vapor lines must not exceed 1 1/8" [28.58 mm] O.D.

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.

TYPICAL PIPING RECOMMENDATIONS

All models are provided with dual circuit coil manifolds that can be configured for dual condensing unit applications. The coil is circuited to provide full face coil operation for each system. Knock-outs are provided on both sides of the unit to allow the refrigerant tubing to enter from either side. Remove the rubber grommets from the parts bag and install them in the appropriate holes prior to running the line set tubing into the cabinet to seal around and protect the tubing. Copper fittings are provided in the parts bag to allow the two refrigerant circuits to be tied together for single condensing unit applications. The fittings may be installed to allow the tubing to enter the unit from either side as shown in Figure 5.

EQUIVALENT LENGTH (FT.) [m] OF STRAIGHT TYPE "L" TUBING FOR NON-FERROUS VALVES AND FITTINGS (BRAZED)				
TUBE SIZE INCHES [mm] O.D.	ANGLE VALVE	SHORT RADIUS ELL	LONG RADIUS ELL	TEE LINE FLOW
1/2 [12.7]	24 [7.32]	4.7 [1.43]	3.2 [0.98]	1.7 [0.52]
5/8 [15.88]	25 [7.62]	5.7 [1.74]	3.9 [1.19]	2.3 [0.70]
3/4 [19.05]	25 [7.62]	6.5 [1.98]	4.5 [1.37]	2.9 [0.88]
7/8 [22.23]	28 [8.53]	7.8 [2.38]	5.3 [1.62]	3.7 [1.13]
1 1/8 [28.58]	29 [8.84]	2.7 [0.82]	1.9 [0.58]	5.2 [1.59]
1 3/8 [34.93]	33 [10.06]	3.2 [0.98]	2.2 [0.67]	6.9 [2.10]

FIELD INSTALLED ACCESSORIES & KITS

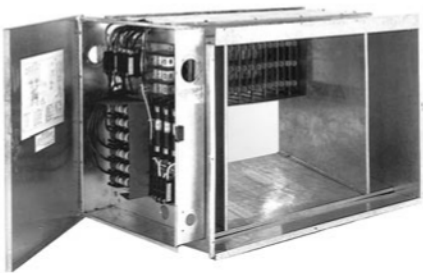
ACCESSORY DESCRIPTION	MODEL NUMBER	SIZE USED ON	NET WEIGHT (LBS) [kg]
Hot Water Coil	RXHC-C74W	090, 120	200 [91]
Steam Coil	RXHC-C714S	090, 120	200 [91]
Filter Frame Coil	RXHF-B74A	090, 120	90 [41]
Inlet Grille Kit	RXHG-C74A	090, 120	9 [4]
Discharge Grille Kit	RXHG-C74B	090, 120	15 [7]
Discharge Plenum Kit	RXHL-C74B	090, 120	38 [17]
Mixing Box	RXHM-BC74H	090, 120	120 [54]
Auxiliary Heater Kit	RXHE-DE020*A	090, 120	75 [34]
	RXHE-DE030*A	090, 120	75 [34]
MERV 8	RXMF-M08A11625	090, 120	2 [1]
MERV 13	RXMF-M13A11625	090, 120	2 [1]
External Filter Rack	RXHF-F1	090, 120	18 [8]

NOTE: *Designates “C”, “D” or “Y” Voltage

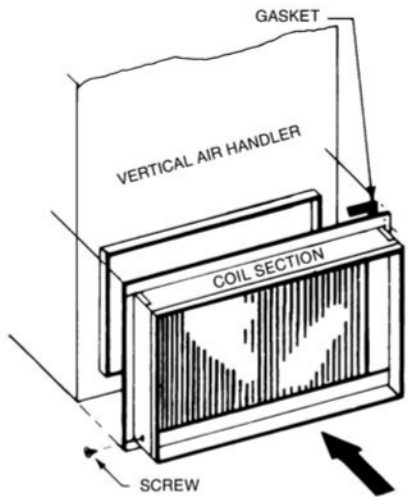
RXHM MIXING BOX



RXHE ELECTRIC HEATER KIT

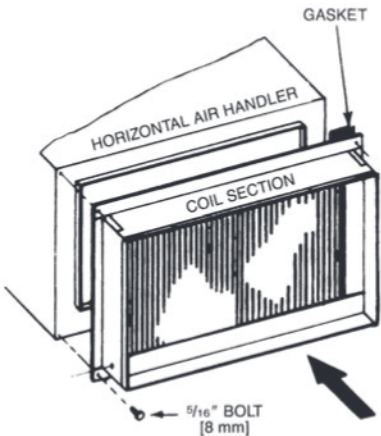


HOT WATER OR STEAM COILS



(090, 120) RXHC-C74W
RXHC-C74S

(090, 120) RXHC-C74W
RXHC-C74S



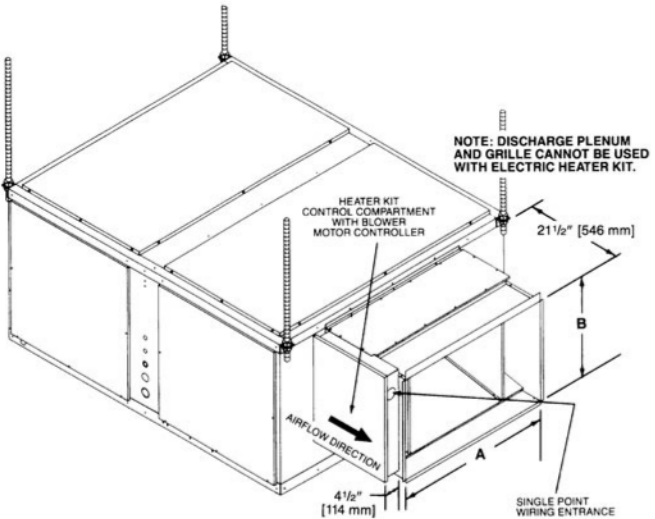
ELECTRIC RESISTANCE HEATER KITS

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.

AUXILIARY HEATER KIT

MODEL NO.	IN. [mm]	
	A	B
RXHE-DE****A	20 [508]	20 [508]

[] Designates Metric Conversions



FIELD INSTALLED ACCESSORIES (Cont.)

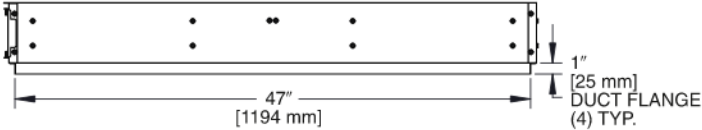
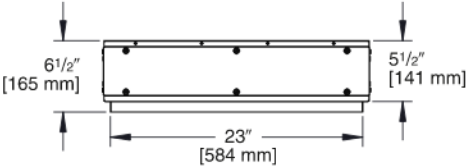
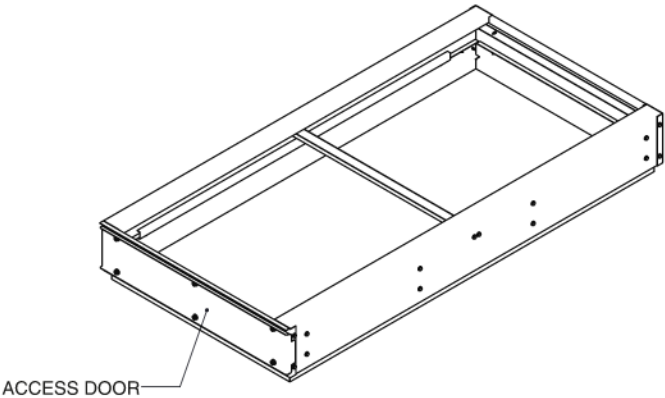
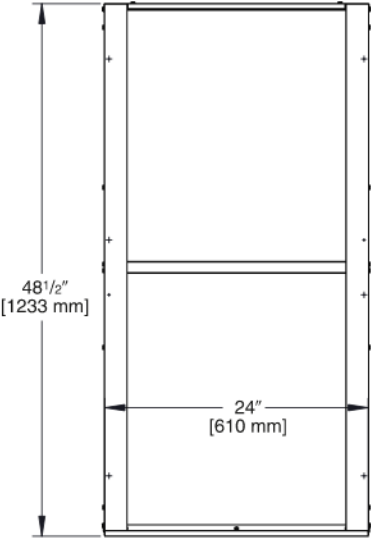


Illustration
ST-A1323-01

GUIDE SPECIFICATIONS

Furnish and install as shown on the drawing for both horizontal and vertical applications. The entire assembly shall be UL and cUL listed with the cooling (and heat pump heating) capacity A.R.I. Certified.

DRIVE PACKAGE—A complete drive package shall be factory or field installed. Package shall consist of a 3450 RPM dual volt-age, single phase open drip proof motor or 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 / " [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 3/4" [19 mm] = 7.5 ton [26 kW] 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. MERV 8 and MERV 13 filters are available as an accessory.

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

INSULATION—Cabinets shall be insulated with 1/2" [13 mm] by 1-1/2 pound [.68 kg] density fiberglass insulation coated with neo-prene 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.

[] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

ClimateMaster will furnish a replacement for any part of this product which fails in normal use and services within the applicable periods stated below, in accordance with the terms of the limited warranty.

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

*For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.