

AIR HANDLERS



AIR HANDLERS

SHLL- High Efficiency
featuring Earth-Friendly
R-410A Refrigerant

R-410A

SHSL- Standard Efficiency
featuring Earth-Friendly
R-410A Refrigerant

R-410A

Features

- SHLL features Genteq X-13 motor which provides enhanced efficiency.
- 1 $\frac{1}{2}$ ton [5.3 kW] through 5 $\frac{1}{2}$ ton [19.3 kW] models are between 42 $\frac{1}{2}$ to 55 $\frac{1}{2}$ inches [1080 to 1410 mm] tall and 22 inches [559 mm] deep.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Factory-installed high efficiency indoor coil.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Sturdy construction with 1.0 inch [.24 kPa] of reinforced foil faced jacket insulation for excellent thermal and sound insulation.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet requirements for service disconnect in most cases.



Engineering Features

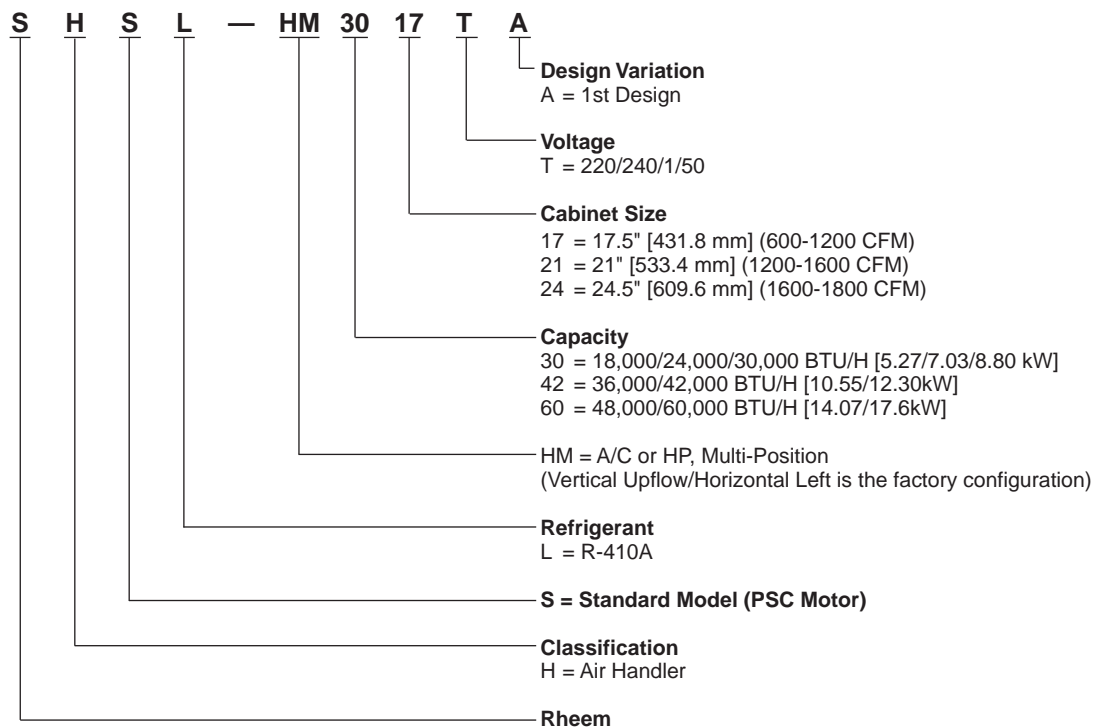
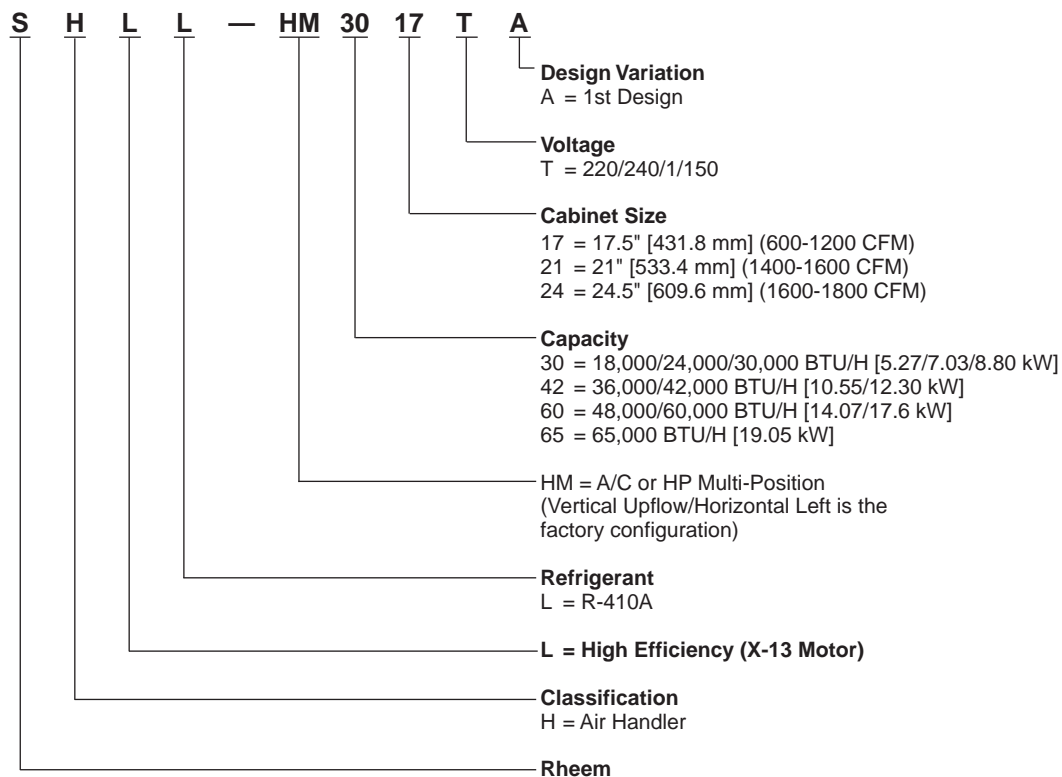
SHLL/SHSL- Series

- The most compact unit design available, all standard heat air handler models only 42¹/₂ to 55¹/₂ inches [1079 to 1409 mm] high.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment for excellent thermal and sound performance.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Traditional open wire element design for heat applications.
- Field convertible for vertical downflow, horizontal left hand or right hand air supply.
- 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Expansion valve on indoor coil provides for operation with air conditioning or heat pump using the same coil.
- Coils are constructed of aluminum fins bonded to internally grooved copper tubing.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical, connections available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1¹/₂ inch [38 mm] conduit.
- Front refrigerant and drain connections.

[] Designates Metric Conversions



Model Identification



[] Designates Metric Conversions

Unit Dimensions

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE
HIGH VOLTAGE CONNECTION 7/8" [22.2 mm],
1 1/32" [27.8 mm], 1 1/8" [50 mm] DIA. KNOCKOUTS.

LOW VOLTAGE CONNECTION
5/8" [15.9 mm] AND 7/8" [22.2 mm] KNOCKOUT

AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

VAPOR LINE CONNECTION
COPPER (SWEAT)

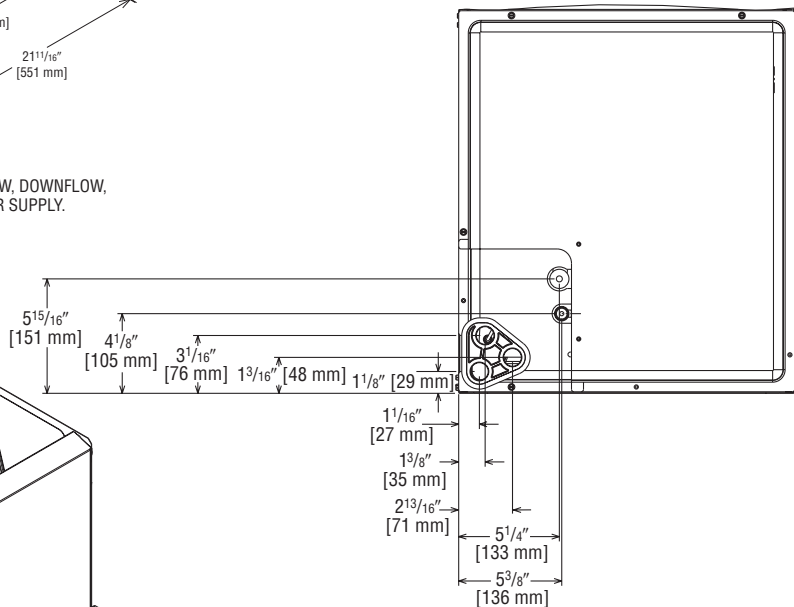
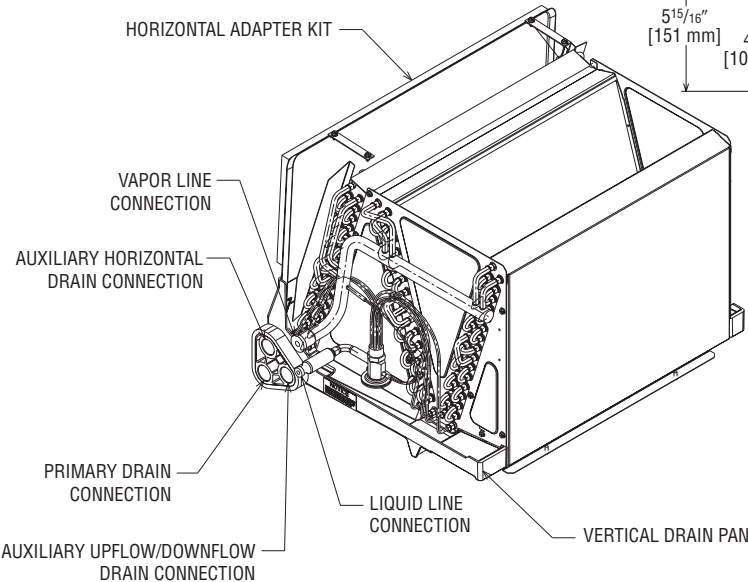
SUPPLY AIR

NOTE: 24" CLEARANCE REQUIRED IN FRONT OF
UNIT FOR FILTER AND COIL MAINTENANCE.

Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
17	15 7/8	19 3/4
21	19 3/8	19 3/4
24	22 7/8	19 3/4

UPFLOW UNIT SHOWN:
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
HORIZONTAL RIGHT OR LEFT AIR SUPPLY.



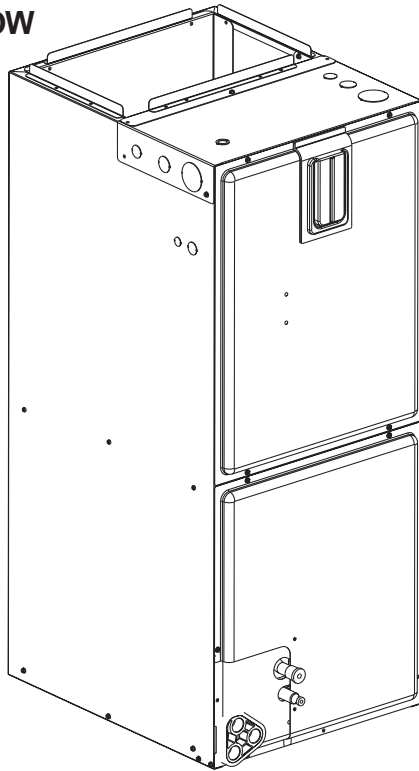
[] Designates Metric Conversions
() Designates Unit with Double Coil Cabinet

Unit Dimensions & Weights

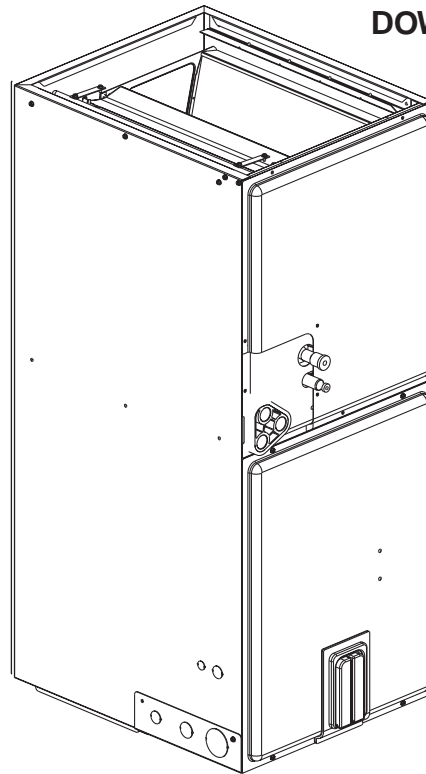
Model Size	Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Supply Duct "A" In. [mm]	Air Flow CFM (Nom.) [L/s]		Unit Weight/Shipping Weight (Lbs.) [kg]
				Lo	Hi	
3017	17 1/2 [445]	42 1/2 [1080]	16 [406]	600 [283]	800 [378]	82/96 [37/44]
4217	17 1/2 [445]	42 1/2 [1080]	16 [406]	1000 [472]	1200 [566]	92/106 [37/48]
6021	21 [533]	50 1/2 [1282]	19 1/2 [495]	1400 [661]	1600 [755]	150/166 [68/75]
6524	24 1/2 [622]	55 1/2 [1410]	23 [584]	—	1800 [850]	181/198 [82/90]

Airflow Directions

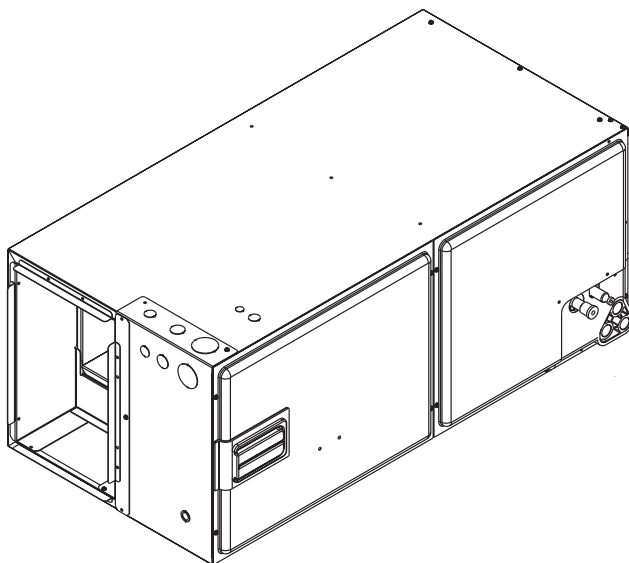
UPFLOW



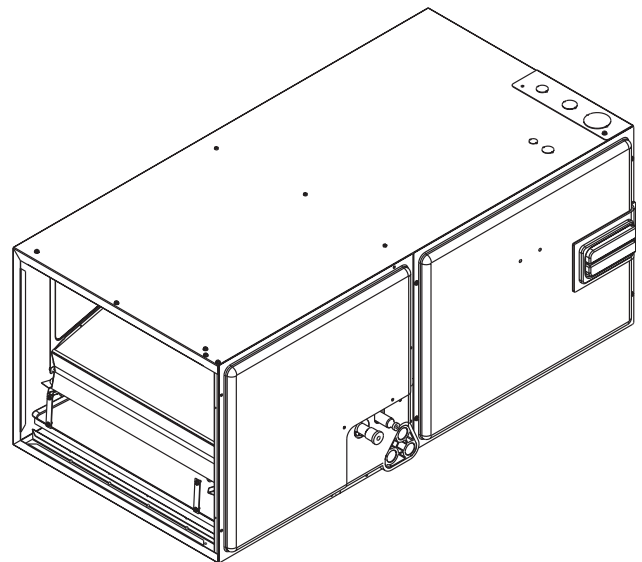
DOWNFLOW



**HORIZONTAL LEFT
HAND AIRFLOW**



**HORIZONTAL RIGHT
HAND AIRFLOW**



Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table

below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .3 [8 mm] to .7 inches [18 mm] W.C. external static range. Units with coils should be applied with a minimum of .1 inch [3 mm] W.C. external static range.

Airflow Operating Limits

Model Cabinet Size	17					21		24
System Net Capacity	16.5K BTUH	21.1K BTUH	24.8K BTUH	30.0K BTUH	34.0K BTUH	39.8K BTUH	54.3K BTUH	66.0K BTUH
Heat Pump or Air Conditioning Maximum Heat/Cool CFM [L/s] (37.5 CFM [18 L/s]/1,000 BTUH)* (450 CFM [212 L/s]/Ton Nominal)*	620 [292]	790 [372]	930 [438]	1125 [531]	1275 [602]	1490 [703]	2035 [960]	2150 [1012]
Heat Pump or Air Conditioning Nominal Heat/Cool CFM [L/s] (33.3 CFM [16 L/s]/1,000 BTUH)** (400 CFM [189 L/s]/Ton Nominal)**	550 [260]	700 [330]	825 [389]	1000 [472]	1130 [533]	1325 [625]	1810 [854]	1800 [970]
Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (29.2 CFM [14 L/s]/1,000 BTUH)*** (350 CFM [170 L/s]/Ton Nominal)***	480 [226]	615 [290]	725 [342]	875 [413]	990 [467]	1160 [547]	1585 [748]	1650 [780]
Maximum kW Electric Heating & Minimum Electric Heat CFM [L/s]	10 500 [236]	10 650 [307]	15 865 [408]	15 1015 [400]	20 1200 [566]	20 1400 [600]	20 1400 [600]	25 1730 [821]
Maximum Electric Heat Rise °F [°C]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]

*The Airflow Operating Limits for the 24" cabinet was calculated using 32.5 CFM [15 L/s]/1000 BTUH & 390 CFM [184 L/s]/Ton Nominal.

**The Airflow Operating Limits for the 24" cabinet was calculated using 27 CFM [12.5 L/s]/1000 BTUH & 325 CFM [153 L/s]/Ton Nominal.

***The Airflow Operating Limits for the 24" cabinet was calculated using 25 CFM [12 L/s]/1000 BTUH & 300 CFM [142 L/s]/Ton Nominal.

[] Designates Metric Conversions

Airflow Performance Data—SHSL (PSC Motor)

Model No.	Motor Speed from Factory	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—240 Volts						
					External Static Pressure—Inches W.C. [kPa]						
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-3017 No Heater	High 220/240V	4 Pole 1/3 HP 3 Speed	Low	CFM	684 [323]	678 [320]	648 [306]	610 [288]	558 [263]	497 [234]	382 [180]
				RPM	535	623	679	730	777	820	872
				Watts	194	185	176	166	155	143	123
			Medium	CFM	918 [433]	892 [421]	858 [405]	807 [381]	734 [346]	652 [308]	531 [250]
				RPM	672	726	767	805	840	866	897
				Watts	259	247	232	217	200	185	166
			High	CFM	1284 [606]	1206 [570]	1128 [532]	1041 [492]	947 [447]	845 [399]	721 [340]
				RPM	907	921	931	943	952	961	968
				Watts	505	482	468	443	428	416	402
-3017 with 13 kW Heater	High 220/240V	4 Pole 1/3 HP 3 Speed	Low	CFM	658 [311]	653 [307]	624 [293]	587 [276]	537 [252]	478 [224]	367 [172]
				RPM	561	654	712	766	815	861	915
				Watts	186	177	168	159	148	137	118
			Medium	CFM	884 [415]	859 [404]	826 [388]	777 [365]	706 [332]	628 [295]	511 [240]
				RPM	705	762	805	845	882	909	937
				Watts	248	237	222	208	192	177	160
			High	CFM	1236 [581]	1161 [547]	1086 [510]	1002 [472]	912 [429]	813 [383]	694 [326]
				RPM	952	967	977	990	999	1009	1016
				Watts	484	462	449	425	410	399	385
-4217 No Heater	High 220/240V	4 Pole 1/3 HP 3 Speed	Low	CFM	1113 [525]	1076 [505]	1041 [489]	1000 [470]	958 [450]	925 [434]	866 [407]
				RPM	683	730	772	818	856	897	953
				Watts	497	491	488	483	477	473	468
			Medium	CFM	1321 [620]	1299 [610]	1262 [593]	1222 [574]	1186 [557]	1147 [539]	1087 [510]
				RPM	794	832	863	895	928	961	992
				Watts	630	635	629	618	614	605	588
			High	CFM	1453 [682]	1414 [664]	1379 [648]	1353 [635]	1312 [616]	1266 [595]	1217 [571]
				RPM	846	883	915	940	974	1003	1037
				Watts	736	730	716	711	703	690	681
-4217 with 18 kW Heater	High 220/240V	4 Pole 1/3 HP 3 Speed	Low	CFM	1091 [514]	1055 [498]	1021 [481]	981 [462]	939 [443]	907 [428]	850 [401]
				RPM	718	768	812	861	910	944	1003
				Watts	519	513	510	505	498	494	489
			Medium	CFM	1295 [611]	1274 [601]	1238 [584]	1198 [565]	1163 [548]	1125 [530]	1066 [503]
				RPM	835	875	907	941	976	1010	1043
				Watts	659	664	657	646	642	632	615
			High	CFM	1425 [672]	1387 [654]	1352 [638]	1327 [626]	1287 [607]	1241 [585]	1193 [563]
				RPM	890	928	962	988	1024	1055	1090
				Watts	769	763	748	744	735	719	712

- Notes:
- All 220/240V PSC motors have voltage taps for 220 and 240 volts.
 - All 220/240V PSC motors are shipped on high speed and 240 volts.
 - If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
 - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
 - Replace the cap on the black motor wire.
 - Voltage change (220/240V motors):
 - Move the orange lead to transformer 220V tap from 240V tap. Replace the wire cap on 240V tap.
 - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
 - Replace the cap on the purple motor wire.
 - The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
 - The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
 Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

Airflow Performance Data—SHSL (PSC Motor) (con't.)

Model No.	Motor Speed from Factory	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—240 Volts						
					External Static Pressure—Inches W.C. [kPa]						
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-6021 No Heater	High 220/240V	4 Pole 1/2 HP 3 Speed	Low	CFM	1493 [704]	1471 [694]	1443 [681]	1412 [665]	1374 [648]	1337 [631]	1301 [614]
				RPM	750	798	848	886	928	964	998
				Watts	684	677	661	650	631	624	608
			Medium	CFM	1624 [766]	1594 [751]	1563 [737]	1536 [724]	1498 [707]	1461 [689]	1408 [664]
				RPM	804	848	894	928	963	996	1035
				Watts	776	756	745	730	711	692	675
			High	CFM	1841 [868]	1809 [853]	1777 [838]	1742 [821]	1705 [804]	1661 [783]	1616 [761]
				RPM	894	929	967	998	1031	1060	1091
				Watts	917	903	878	860	845	829	803
-6021 with 25 kW Heater	High 220/240V	4 Pole 1/2 HP 3 Speed	Low	CFM	1418 [673]	1397 [667]	1370 [653]	1341 [638]	1305 [622]	1270 [605]	1235 [589]
				RPM	802	853	907	948	992	1031	1067
				Watts	673	626	611	601	583	577	562
			Medium	CFM	1542 [735]	1514 [720]	1484 [707]	1459 [695]	1423 [678]	1387 [661]	1337 [637]
				RPM	860	907	956	992	1030	1065	1107
				Watts	717	699	689	675	657	640	624
			High	CFM	1748 [833]	1718 [818]	1688 [804]	1654 [788]	1619 [771]	1577 [751]	1535 [730]
				RPM	956	994	1034	1067	1103	1134	1167
				Watts	848	835	812	795	781	766	742

- Notes:
- All 220/240V PSC motors have voltage taps for 220 and 240 volts.
 - All 220/240V PSC motors are shipped on high speed and 240 volts.
 - If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
 - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
 - Replace the cap on the black motor wire.
 - Voltage change (220/240V motors):
 - Move the orange lead to transformer 220V tap from 240V tap. Replace the wire cap on 240V tap.
 - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
 - Replace the cap on the purple motor wire.
 - The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
 - The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
 Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

Airflow Performance Data—SHLL (X-13 Motor)

Model No.	Motor Speed From Factory	Blower Size/ Motor HP [W] # of Speed	Motor Speed		X-13 CFM [L/s] Air Delivery/RPM/Watts—115/208/240 Volts						
					External Static Pressure—Inches W.C. [kPa]						
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-3017 No Heater	5	10x6 1/3 HP [249] 5 Speed	2	CFM	689 [325]	644 [304]	602 [284]	563 [266]	509 [240]	—	—
				RPM	580	633	683	728	781	—	—
				Watts	66	84	86	88	91	—	—
			3	CFM	835 [394]	796 [375]	760 [358]	724 [341]	681 [321]	644 [304]	603 [285]
				RPM	660	708	750	790	835	879	916
				Watts	106	113	123	133	136	143	152
-3017 with 13 kW Heater	5	10x6 1/3 HP [249] 5 Speed	2	CFM	670 [316]	625 [295]	583 [275]	544 [257]	490 [231]	—	—
				RPM	608	661	711	756	809	—	—
				Watts	75	93	95	47	100	—	—
			3	CFM	816 [385]	778 [367]	743 [350]	708 [334]	666 [314]	629 [297]	588 [277]
				RPM	675	723	766	807	855	899	936
				Watts	112	120	130	141	144	151	160
-3017 No Heater	5	10x6 1/3 HP [249] 5 Speed	4	CFM	875 [413]	839 [396]	804 [379]	762 [360]	730 [345]	—	—
				RPM	679	724	765	810	852	—	—
				Watts	121	131	135	142	143	—	—
			5	CFM	490 [467]	957 [451]	924 [436]	895 [422]	862 [407]	828 [391]	801 [378]
				RPM	746	785	830	985	904	940	970
				Watts	187	191	186	191	203	215	228
-3017 with 13 kW Heater	5	10x6 1/3 HP [249] 5 Speed	4	CFM	856 [404]	820 [387]	785 [370]	743 [351]	711 [336]	—	—
				RPM	707	752	793	838	880	—	—
				Watts	130	140	144	151	152	—	—
			5	CFM	961 [453]	929 [438]	897 [423]	870 [410]	837 [395]	803 [379]	776 [366]
				RPM	762	802	848	900	924	960	990
				Watts	194	198	193	201	211	223	288
-4217 No Heater	5	10x8 1/2 HP [373] 5 Speed	2	CFM	1093 [516]	1050 [496]	1017 [480]	977 [461]	935 [441]	—	—
				RPM	671	725	764	809	852	—	—
				Watts	153	168	174	180	188	—	—
			3	CFM	1221 [576]	1185 [559]	1156 [545]	1118 [527]	1084 [512]	1040 [491]	1001 [472]
				RPM	739	783	820	858	896	936	971
				Watts	207	213	232	234	249	257	261
-4217 with 18 kW Heater	5	10x8 1/2 HP [373] 5 Speed	2	CFM	1068 [504]	1025 [484]	992 [468]	952 [449]	910 [429]	—	—
				RPM	711	765	804	849	892	—	—
				Watts	164	179	185	191	199	—	—
			3	CFM	1191 [562]	1156 [545]	1127 [531]	1091 [514]	1059 [500]	1015 [479]	976 [461]
				RPM	775	759	862	900	936	976	1011
				Watts	219	225	247	253	260	268	272
-4217 No Heater	5	10x8 1/2 HP [373] 5 Speed	4	CFM	1270 [599]	1237 [584]	1199 [566]	1165 [550]	1130 [533]	—	—
				RPM	775	816	846	882	926	—	—
				Watts	237	249	259	268	277	—	—
			5	CFM	1401 [661]	1371 [647]	1342 [633]	1309 [617]	1275 [602]	1244 [587]	1211 [571]
				RPM	827	861	898	930	963	999	1029
				Watts	300	318	324	332	338	348	363
-4217 with 18 kW Heater	5	10x8 1/2 HP [373] 5 Speed	4	CFM	1245 [588]	1212 [572]	1174 [554]	1140 [538]	1105 [521]	—	—
				RPM	815	856	886	922	966	—	—
				Watts	248	260	270	279	288	—	—
			5	CFM	1371 [647]	1342 [633]	1313 [619]	1281 [604]	1250 [590]	1219 [575]	1186 [560]
				RPM	864	899	938	971	1003	1039	1069
				Watts	312	330	337	345	349	359	374

Notes: X-13 motor speed changes.

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.

X-13 air handlers are always shipped from factory at Speed tab 5.

The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.

• The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.

• The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.

• The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.

Approximate Airflow = Airflow without heater – (Airflow without heater – Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

Airflow Performance Data—SHLL (X-13 Motor) (con't.)

Model No.	Motor Speed From Factory	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—115/208/240 Volts						
					External Static Pressure—Inches W.C. [kPa]						
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-6021 No Heater	5	10x10 3/4 HP [559] 5 Speed	2	CFM	1473 [695]	1442 [681]	1401 [661]	1373 [648]	1337 [631]	—	—
				RPM	781	825	867	905	949	—	—
				Watts	257	271	303	307	315	—	—
			3	CFM	1613 [761]	1562 [737]	1532 [723]	1503 [709]	1447 [683]	1433 [676]	1402 [662]
				RPM	827	865	908	942	987	1034	1065
				Watts	322	348	366	373	394	406	405
-6021 with 20 kW Heater	5	10x10 3/4 HP [559] 5 Speed	2	CFM	1433 [676]	1402 [662]	1361 [642]	1333 [629]	1297 [612]	—	—
				RPM	831	875	919	954	989	—	—
				Watts	277	295	313	319	325	—	—
			3	CFM	1568 [740]	1518 [716]	1489 [702]	1460 [689]	1333 [629]	1300 [613]	1267 [593]
				RPM	880	920	966	987	1011	1046	1030
				Watts	347	375	394	384	350	364	377
-6021 No Heater	5	10x10 3/4 HP [559] 5 Speed	4	CFM	1665 [785]	1631 [770]	1601 [756]	1572 [742]	1535 [724]	—	—
				RPM	853	893	934	968	1015	—	—
				Watts	351	387	401	406	422	—	—
			5	CFM	1771 [836]	1741 [821]	1714 [809]	1689 [797]	1654 [781]	1624 [766]	1563 [738]
				RPM	895	925	960	996	1036	1078	1095
				Watts	436	448	460	467	500	513	523
-6021 with 25 kW Heater	5	10x10 3/4 HP [559] 2 Speed	4	CFM	1625 [767]	1591 [751]	1561 [737]	1532 [723]	1495 [706]	—	—
				RPM	894	932	970	1020	1052	—	—
				Watts	389	400	410	430	450	—	—
			5	CFM	1728 [815]	1699 [801]	1672 [789]	1648 [777]	1614 [762]	1584 [748]	1523 [719]
				RPM	937	969	1006	1043	1085	1090	1105
				Watts	438	458	487	495	514	520	530
-6524 No Heater	5	11x11 3/4 HP [559] 5 Speed	4	CFM	1902 [898]	1862 [879]	1809 [854]	1781 [840]	1739 [821]	—	—
				RPM	712	749	787	815	856	—	—
				Watts	389	409	419	432	459	—	—
			5	CFM	2079 [981]	2031 [958]	1994 [941]	1950 [920]	1905 [899]	1866 [881]	1832 [865]
				RPM	759	793	829	855	894	924	950
				Watts	481	498	526	533	565	570	592
-6524 with 30 kW Heater	5	11x11 3/4 HP [559] 5 Speed	4	CFM	1862 [879]	1822 [860]	1769 [835]	1741 [822]	1699 [802]	—	—
				RPM	750	790	810	850	880	—	—
				Watts	410	420	430	455	479	—	—
			5	CFM	2035 [960]	1988 [938]	1952 [921]	1909 [901]	1865 [880]	1826 [862]	1792 [846]
				RPM	800	835	872	900	920	945	970
				Watts	506	524	553	561	565	587	610

Notes: X-13 motor speed changes.

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.

X-13 air handlers are always shipped from factory at Speed tab 5.

The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.

- The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.

Approximate Airflow = Airflow without heater – (Airflow without heater – Airflow with maximum heater) x (N kW/maximum heater kW)

[] Designates Metric Conversions

SHSL Electrical Data – Blower Motor Only – No Electric Heat

Model SHSL	Voltage	Application Phase*	Hertz	HP	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
3017	220/240	1	50	1/3	900	3	1.8	3.0	15
4217				1/3	1030	3	3.0	4.0	15
6021				1/2	1100	3	4.2	5.0	15

* Blower motors are all single phase motors.

SHLL Electrical Data – Blower Motor Only – No Electric Heat

Model SHLL	Voltage	Application Phase*	Hertz	HP	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
3017	220/240	1	50	1/3	300-1100	4	1.6	2.0	15
4217				1/2	300-1100	4	2.7	4.0	15
6021				3/4	300-1100	4	3.8	5.0	15
6524				3/4	300-1100	4	4.6	6.0	15

* Blower motors are all single phase motors.

SHSL Electrical Data – with Electric Heat

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Model No. SHSL	Model No.	Heater kW (220/240V)	PH/Hz	No. Elements - kW Per	Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
3017	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	1.7	16/18	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	1.7	24/28	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	1.7	35/40	35/40
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	1.7	46/53	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	1.7	59/68	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	1.7	21/24	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	1.7	21/24	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	1.7	28/31	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	1.7	35/40	35/40
4217	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	2.5	17/19	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.5	25/29	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.5	36/41	40/45
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.5	47/54	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	2.5	60/69	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	2.5	22/25	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.5	68/79	70/80
	RXBH-17A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.5	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-17A18J	12.8/17.0	1/60	3-5.68	SINGLE	61.6/70.8	2.5	81/92	90/100
	RXBH-17A18J	4.3/5.7	1/60	1-5.68	MULTIPLE CKT 1	20.5/23.6	2.5	29/33	30/35
		8.5/11.3	1/60	2 - 5.68	MULTIPLE CKT 2	41.1/47.2	0	52/59	60/60
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.5	22/25	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.5	29/32	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	2.5	36/41	40/45
	RXBH-17A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.5	41/47	45/50
	RXBH-17A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.5	48/55	50/60

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)

- T voltage (220/240V) single phase air handler is designed to be used with single or three phase 220/240V volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.

SHSL Electrical Data – with Electric Heat (con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Model No. SHSL	Model No.	Heater kW (220/240V)	PH/Hz	No. Elements - kW Per	Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
6021	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	5.2	29/32	30/35
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	5.2	39/44	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	5.2	50/57	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	5.2	72/82	80/90
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	5.2	29/32	30/35
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	5.2	84/95	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	5.2	45/51	45/60
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0.0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	5.2	93/107	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	5.2	50/57	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	5.2	115/132	125/150
	RXBH-24A25J (5-ton only) (060)	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	5.2	42/49	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0.0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0.0	36/42	40/45
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	5.2	26/29	30/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	5.2	32/36	35/40
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	5.2	44/50	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	5.2	51/58	60/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	5.2	58/65	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	5.2	32/36	35/40
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0.0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	5.2	64/79	70/80
	RXBH-24A25C (5-ton only) (060)	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	5.2	38/43	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0.0	32/37	35/40

* Values only. No single point kit available.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)

- T voltage (220/240V) single phase air handler is designed to be used with single or three phase 220/240V electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.

SHLL Electrical Data – with Electric Heat

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Model No. SHLL	Model No.	Heater KW 220/240V	PH/HZ	No. Elements - KW Per	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
3017	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	1.6	16/18	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	1.6	24/27	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	1.6	35/40	35/40
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	1.6	46/52	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	1.6	59/68	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	1.6	21/24	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	1.6	21/24	25/25
4217	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	1.6	27/31	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	1.6	35/40	35/40
	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	2.7	17/19	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.7	25/29	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.7	36/41	40/45
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.7	47/54	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	2.7	60/69	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	2.7	23/26	25/30
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.7	69/79	70/80
	RXBH-17A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.7	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-17A18J	12.8/17.0	1/60	3-5.68	SINGLE	61.6/70.8	2.7	81/92	90/100
	RXBH-17A18J	4.3/5.7	1/60	1-5.68	MULTIPLE CKT 1	20.5/23.6	2.7	29/33	30/35
		8.5/11.3	1/60	2 - 5.68	MULTIPLE CKT 2	41.1/47.2	0	52/59	60/60
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.7	23/25	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.7	29/33	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	2.7	36/41	40/45
	RXBH-17A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.7	41/47	45/50
	RXBH-17A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.7	48/55	50/60
6021	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	3.8	27/30	30/30
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	3.8	38/43	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	3.8	48/55	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	3.8	70/80	70/80
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	3.8	27/30	30/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	3.8	82/94	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	3.8	44/49	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0.0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	3.8	92/105	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	3.8	48/55	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	3.8	113/130	125/150
	RXBH-24A25J (5-ton only) (060)	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	3.8	41/47	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0.0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0.0	36/42	40/45
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	3.8	24/27	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	3.8	30/34	30/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	3.8	43/48	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	3.8	50/56	50/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	3.8	55/63	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	3.8	30/34	30/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0.0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	3.8	68/77	70/80
	RXBH-24A25C (5-ton only) (060)	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	3.8	36/41	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0.0	32/37	35/40

- * Values only. No single point kit available.
- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- T voltage (220/240V) single phase air handler is designed to be used with single or three phase 220/240V volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.

SHLL Electrical Data – with Electric Heat (con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Model No. SHLL	Model No.	Heater KW 220/240V	PH/HZ	No. Elements - KW Per	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
6524	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	3.8	27/30	30/30
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	4.6	39/44	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	4.6	49/56	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	4.6	71/81	80/90
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	4.6	28/31	30/35
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	4.6	83/95	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	4.6	45/50	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	4.6	93/106	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	4.6	49/56	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	4.6	114/131	125/150
	RXBH-24A25J	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	4.6	42/48	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0	36/42	40/45
	RXBH-24A30J	21.6/28.8	1/60	6-4.8	SINGLE	103.8/120.	4.6	136/156	150/175
	RXBH-24A30J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	4.6	49/56	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 3	34.6/40.0	0	44/50	45/50
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	4.6	25/28	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	4.6	31/35	35/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	4.6	44/49	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	4.6	51/57	60/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	4.6	56/64	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	4.6	31/35	35/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	4.6	69/78	70/80
	RXBH-24A25C	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	4.6	37/42	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0	32/37	35/40
	RXBH-24A30C*	21.6/28.8	3/60	6-4.8	SINGLE	60.0/69.4	4.6	81/93	90/100
	RXBH-24A30C	10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 1	30.0/34.7	4.6	44/50	45/50
		10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 2	30.0/34.7	0	38/44	40/45

* Values only. No single point kit available.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.

- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- T voltage (220/240V) single phase air handler is designed to be used with single or three phase 220/240V electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.

Electrical Wiring:

Power Wiring

- Field wiring must comply with the National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- Supply wiring must be 75°C minimum copper conductors only.
- See electrical data for product Ampacity rating and Circuit Protector requirement.

Grounding

- This product must be sufficiently grounded in accordance with National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- A grounding lug is provided.

Accessories-Kits—Parts

• Combustible Floor Base RXHB-

Model Cabinet Size	Combustible Floor Base Model Number
17	RXHB-17
21	RXHB-21
24	RXHB-24

- **Jumper Bar Kit 3 Ckt. to 1 Ckt. RXBJ-A31** is used to convert single phase multiple three circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Jumper Bar Kit 2 Ckt. to 1 Ckt. RXBJ-A21** is used to convert single phase multiple two circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Note:** No jumper bar kit is available to convert three phase multiple two circuit units to a single supply circuit.

• Auxiliary Horizontal Overflow Pan Accessory RXBM-

Nominal Cooling Capacity-Tons	Auxiliary Horizontal Overflow Pan Accessory Model Number
1 1/2 - 3	RXBM-AC48
3 1/2 - 5	RXBM-AC61

• External Filter Rack RXHF-B17, B21, B24

Model Cabinet Size	Filter Size In. [mm]	Part Number*	A	B
17	16 x 20 [406 x 508]	RXHF-B17	16.90	20.77
21	20 x 20 [508 x 508]	RXHF-B21	20.40	20.77
24	25 x 20 [635 x 508]	RXHF-B24	25.00	21.04

*Accommodates 1" filter

• Auxiliary Electric Heater Kits RXBH-

Heater Kits include circuit breakers which meet UL and cUL requirements for service disconnect. See the Electric Heat Electrical Data in this specification sheet for specific Heater Kit Model numbers.

• Horizontal Adapter Kit RXHH-

This horizontal adapter kit is used to convert Upflow/Downflow only models to horizontal flow. See the following table to order proper horizontal adapter kit.

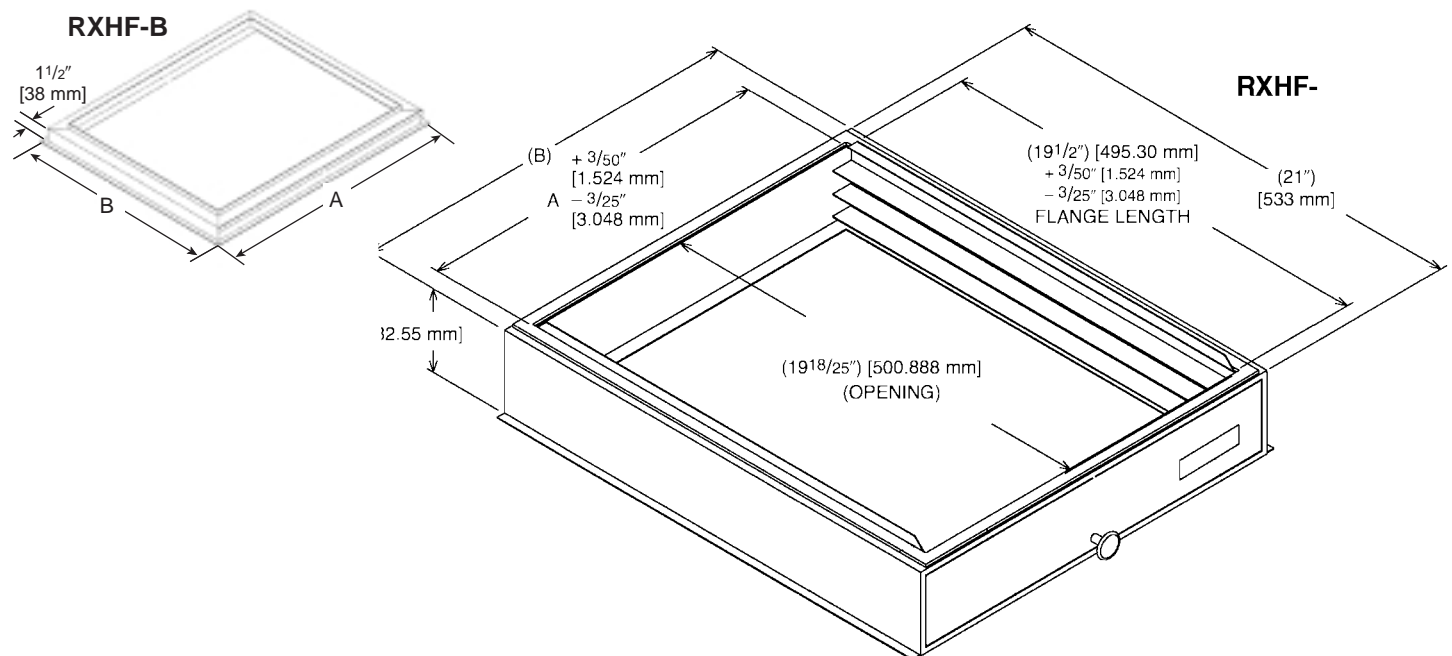
Coil Model	Horizontal Adapter Kit Model Number (Single Qty.)	Horizontal Adapter Kit Model Number (10-Pack Qty.)
2414	RXHH-A01	RXHH-A01 x 10
2417	RXHH-A02	RXHH-A02 x 10
3617/3621	RXHH-A03	RXHH-A03 x 10
4821/4824	RXHH-A04	RXHH-A04 x 10
8024	RXHH-A05	RXHH-A05 x 10

• External Filter Base RXHF-

Model Cabinet Size	Filter Size In. [mm]	Part Number*	A	B
17	16 x 20 [406 x 508]	RXHF-17	15.70	17.5
21	20 x 20 [508 x 508]	RXHF-21	19.20	21.0
24	25 x 20 [635 x 508]	RXHF-24	22.70	25.5

*Accommodates 1" or 2" filter

[] Designates Metric Conversions



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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.

**Rheem Heating,
Cooling and
Water Heating**

P.O. Box 17010, Fort Smith, AR 72917



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