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Ø Ruud Air Handler



RHBL- Series

X-13 (ECM) Motor Efficiencies up to 16 SEER

RHAL- Series PSC Motor Efficiencies up to 14.5 SEER



- Front or Bottom Return
- Flow Check Piston for cooling or heat pump operation
- Wall-hanging brackets
- Built in Filter Rack
- AHRI Certified
- UL Certified
- Molex Plug Connections for field installed heater kits

- Dual Voltage Direct Drive Blower with multi-speed motor
- Thermoplastic Drain Pan with bottom primary and secondary connections
- Optional Decorative Grill for front return applications
- Optional Factory Installed Condensate Float Switch which shuts off the outdoor unit in event the condensate pan becomes clogged



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Engineering Features

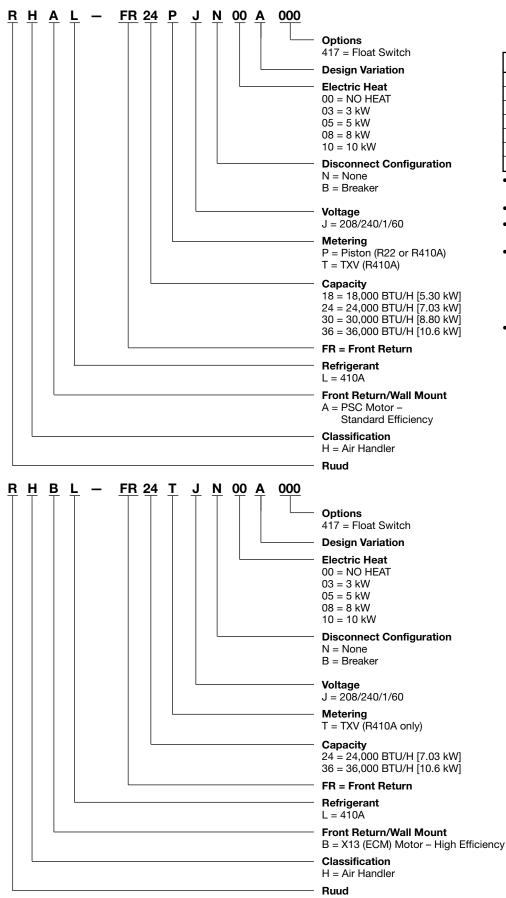
RHBL/RHAL-Series

- The most compact unit design available, all standard heat air handler models only 36" [915 mm].
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation for excellent thermal and sound performance.
- Four leg blower motor mount.
- Traditional open wire element design for heat applications.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.

- Coils are constructed of aluminum fins and internally grooved copper tubing.
- Molded polymer corrosion resistant condensate drain pan is provided for all indoor coils.
- 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 1³/₈ inch inches [35 mm] for ⁷/₈ inch [22 mm] conduit.



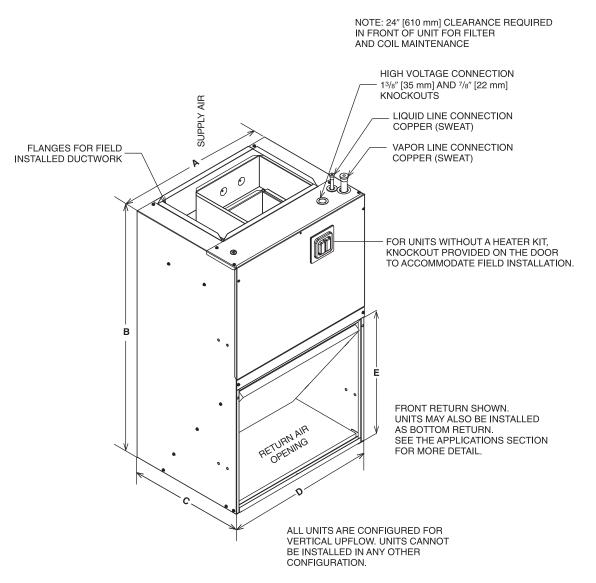
Model Number Identification



Available Models at J Voltage RHAL-FR18PJ RHAL-FR24PJ RHAL-FR30PJ RHAL-FR36PJ RHAL-FR36TJ RHBL-FR24TJ RHBL-FR24TJ RHBL-FR36TJ

 Supply circuit protective devices may be fuses or "HACR" type circuit breakers.

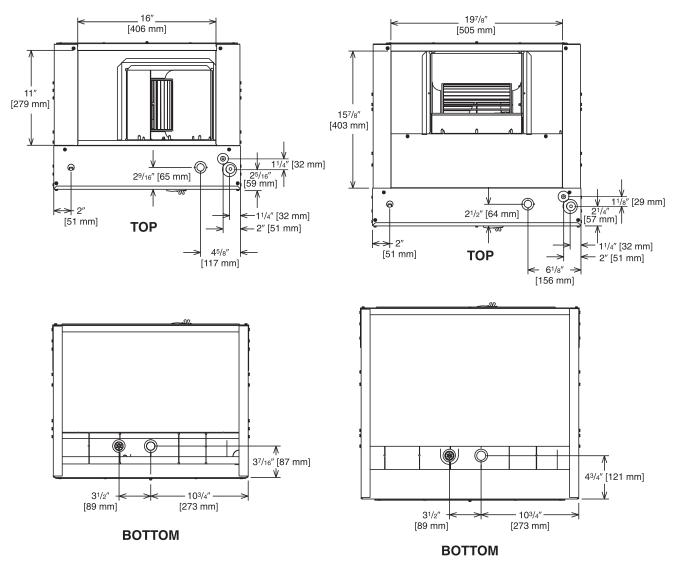
- Largest motor load is included in single circuit.
- If non-standard fuse size is specified, use the next larger fuse size.
- J Voltage (230V) single-phase air handler is designed to be used with single or three phase 230 volt power. In the case of connecting 3-phase power to the air handler terminal block, bring only two leads to the terminal block. Cap, insulate and fully secure the third lead.
- The air handlers are shipped from the factory with the proper indoor coil installed, and cannot be ordered without a coil.

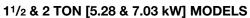


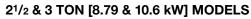
Unit Dimensions & Weights

	Dimensional Data											
Model	(A) Unit Width	(B) Unit Height	(C) Unit Depth	(D) Return Air Opening Width	g Air Opening Filler Size Height in. x in. x in.		Air Opening Air Opening Filter Size CFM (Nom.) [L/ Width Height in. x in. x in.				Unit Weight/ Shipping Weight (Lbs.) [kg]	
	In. [mm]	In. [mm]	In. [mm]	In. [mm]	ln. [mm]	[mm x mm x mm]	Low	High	(LUS.) [KY]			
RHAL-18	211/2 [546.1]	36 [914.4]	17 [431.8]	20 [508]	177/16 [442.9]	20 X 20 X 1 [508 X 508 X 25.4]	600 [283]	_	80 [36] / 90 [41]			
RHAL-24	211/2 [546.1]	36 [914.4]	17 [431.8]	20 [508]	17 ⁷ /16 [442.9]	20 X 20 X 1 [508 X 508 X 25.4]	800 [378]	—	80 [36] / 90 [41]			
RHAL-30	24 [609.6]	36 [914.4]	21 [533.4]	23 [584.2]	213/8 [542.9	20 X 25 X 1 [508 X 635 X 25.4]	1000 [472]	-	95 [43] x 105 [48]			
RHAL-36	24 [609.6]	36 [914.4]	21 [533.4]	23 [584.2]	21 ³ /8 [542.9	20 X 25 X 1 [508 X 635 X 25.4]	1200 [566]		95 [43] x 105 [48]			
RHBL-24	211/2 [546.1]	36 [914.4]	17 [431.8]	20 [508]	177/16 [442.9]	20 X 20 X 1 [508 X 508 X 25.4]	600 [283]	800 [378]	95 [43] x 105 [48]			
RHBL-36	24 [609.6]	36 [914.4]	21 [533.4]	23 [584.2]	21 ³ /8 [542.9	20 X 25 X 1 [508 X 635 X 25.4]	1000 [472]	1200 [566]	95 [43] x 105 [48]			

Unit Dimensions (con't.)







Airflow Performance

Airflow performance data is based on cooling performance with a coil and 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

Airflow Operating Limits

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.

Cooling BTUH x 1,000 Cooling Tons Nominal	-18 1.5	-24 2	-30 2.5	-36 3
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)	675 [319]	900 [425]	1125 [531]	1350 [637]
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)	600 [283]	800 [378]	1000 [472]	1200 [566]
Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (30.0 CFM [14 L/s]/1,255 BTUH) (360 CFM [170 L/s]/Ton Nominal)	540 [255]	720 [340]	900 [425]	1080 [510]
Maximum kW Electric Heating & Minimum Electric Heat CFM [L/s]	8 450 [212]	10 690 [326]	10 808 [381]	10 976 [461]
Maximum Electric Heat Rise °F [°C]	54 [12]	44 [7]	44 [7]	44 [7]

208V/240V Airflow Performance Data—RHAL (PSC Motor)

Nominal	Manufacturer	Blower Size/	Motor				I	PSC CFM wet	coil with filte	er and heaters	S			
Cooling Capacity	Recommended Air-Flow Range	Motor HP (W)	Speed From				E	cternal Static	Pressure-Inc	hes W.C. [kP	a]			
Tons	(Min/Max) CFM	# of Speeds	Factory	opoou		0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]		
					CFM	850 [260]	807 [271]	763 [283]	723 [283]	644 [295]	568 [295]	538 [295]		
		10x6		High	RPM	948	970	989	1003	1021	1037	1046		
1.5	850/450 CFM	1/5 HP [149]	High		Watts	269	262	252	245	238	226	221		
1.0	[401/212 L/s]	2 Speed	підії		CFM	642 [271]	606 [260]	575 [366]	521 [366]	450 [366]	—	—		
		Dual Voltage		Low	RPM	766	798	817	864	912	—	—		
					Watts	175	170	168	158	149	-	_		
					CFM	1016 [389]	966 [389]	927 [389]	885 [389]	834 [413]	780 [425]	718 [425]		
		10x6	High -	High	RPM	1083	1090	1096	1101	1109	1114	1121		
2	1016/690 CFM	1/5 HP [149]			Watts	380	365	360	349	338	328	311		
2	[479/326 L/s]	2 Speed Dual Voltage		Low	CFM	830 [425]	805 [425]	772 [425]	735 [425]	690 [425]	_	_		
		Dual Voltage			RPM	932	950	974	994	1014	_	_		
					Watts	270	262	253	244	235	_	_		
			High		CFM	1190 [566]	1116 [566]	1058 [578]	997 [578]	927 [566]	851 [566]	762 [566]		
		10x8				High	RPM	900	927	950	974	997	1018	1038
2.5	1190/808 CFM	1/4 HP [186]			Watts	374	361	346	331	320	307	290		
2.0	[562/381 L/s]	2 Speed	riigii		CFM	1034 [566]	983 [555]	931 [555]	868 [566]	808 [578]	_	—		
		Dual Voltage		Low	RPM	836	860	892	921	944	-	_		
					Watts	300	291	281	269	260	-	_		
					CFM	1330 [566]	1262 [566]	1184 [767]	1066 [779]	968 [779]	871 [779]	_		
		10x8		High	RPM	1029	1047	1060	1082	1095	1104	_		
3 1330/976 CFM	1/3 HP [186]	High		Watts	478	456	437	403	376	355	—			
0	[628/461 L/s]	2 Speed Dual Voltage	riigii		CFM	1189 [791]	1135 [779]	1054 [779]	976 [767]	—	—	—		
		Duai voitage		Low	RPM	958	984	1012	1037	—	—	—		
					Watts	402	385	362	341	—	-	_		

Notes: • All 208/240V PSC motors have voltage taps for 208 and 240 volts.

• All 208/240V 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 (208/240V motors):

• Move the orange lead to transformer 208V 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 with maximum heater allowed for each model.

208V/240V Airflow Performance Data—RHBL (X-13 (ECM) Motor)

Nominal Manufacturer		Blower Size/	Motor)	C-13 CFM wet	coil with filt	er and heater	s							
Cooling Capacity	Recommended Air-Flow Range	Motor HP (W)	Speed From	Speed Motor From Speed			Ex	xternal Static	Pressure-Inc	hes W.C. [kP	a]							
Tons	(Min/Max) CFM	# of Speeds	Factory	opoou		0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]						
					CFM	827 [390]	804 [379]	779 [368]	740 [349]	708 [334]	659 [311]	608 [287]						
		10x6	5	3	RPM	1020	1035	1068	1095	1119	1138	1147						
1.5	827/474 CFM	1/3 HP [249]			Watts	198	207	206	204	211	205	189						
1.0	[390/224 L/s]	2 Speed			CFM	599 [283]	578 [273]	544 [257]	509 [240]	474 [224]	—	_						
		Dual Voltage	5	2	RPM	832	875	905	935	963	_	_						
					Watts	95	96	108	102	112	-	—						
					CFM	977 [461]	930 [439]	898 [424]	850 [401]	801 [378]	746 [352]	687 [324]						
		10x6	10v6	5	5	RPM	1120	1132	1136	1141	1146	1153	1160					
2	977/708 CFM	1/3 HP [249]			Watts	294	271	266	257	239	231	214						
2	[461/334 L/s]	2 Speed			CFM	811 [383]	785 [370]	759 [358]	726 [343]	708 [334]	_	—						
		Dual Voltage 10x8 1/2 HP [373]	5	4	RPM	982	1008	1026	1050	1081	—	—						
					Watts	177	186	182	188	189	—	—						
					CFM	1170 [552]	1127 [532]	1085 [512]	1048 [495]	1012 [478]	973 [459]	943 [445]						
			1/2 HP [373]	10x8	10x8	10x8	10x8	10x8	5	3	RPM	886	921	958	986	1022	1053	1083
2.5	1170/897 CFM					Watts	267	275	287	290	301	305	315					
2.0	[552/423 L/s]	2 Speed Dual Voltage			CFM	1053 [497]	1003 [473]	969 [457]	928 [438]	897 [423]		—						
		Dual voltage	5	2	RPM	835	864	903	933	973	—	—						
					Watts	212	216	227	232	242	_	—						
		10x8			CFM	1316 [621]	1275 [602]	1229 [580]	1191 [562]	1151 [543]	1093 [516]	1039 [490]						
	3 1316/1049 CFM		5	5	RPM	974	1006	1036	1063	1098	1120	1131						
3		1/2 HP [373]			Watts	365	378	383	390	399	393	377						
	[621/495 L/s]	2 Speed Dual Voltage			CFM	1208 [570]	1172 [553]	1125 [531]	1087 [513]	1049 [495]	—	—						
		Duai voitaye	5	4	RPM	906	938	968	1002	1030	—	—						
					Watts	284	299	306	315	322	—	—						

Notes: X-13 motor speed changes.

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

X-13 air handlers are always shipped from factory at speed tap 5. To change to 1.5-ton or 2.5-ton airflow, move the blue wire to speed tap 2 or 3 on the

X-13 motor. The low static speed tap 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static speed tap 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate speed tap as required by the application needs.

• The airflow for continuous fan (speed tap 1) is 50% of the speed tap 4 airflow.

• The above airflow table lists the airflow information for air handlers with maximum heater allowed for each model.

Piston Sizing Chart

Indoor Unit	Factory Piston	SEER Rating OD Unit	Nominal Tons	Refrigerant	Orifice Size
		13	1.5	R410a	0.047
		14	1.5	R410a	0.049
RHAL-FR18PJ	0.047	13	1.5	R22	0.049
		12	1.5	R22	0.051
		10	1.5	R22	0.053
		13	2	R410a	0.053
		14	2	R410a	0.057
RHAL-FR24PJ	0.053	13	2	R22	0.057
		12	2	R22	0.061
		10	2	R22	0.063
		13	2.5	R410a	0.061
	0.061	14	2.5	R410a	0.063
RHAL-FR30PJ		13	2.5	R22	0.065
		12	2.5	R22	0.065
		10	2.5	R22	0.065
		13	3	R410a	0.065
	-	14	3	R410a	0.068
RHAL-FR36PJ	0.065	13	3	R22	0.069
		12	3	R22	0.070
		10	3	R22	0.070

Model/Nominal Cooling Tons	Voltage	Phase	Hertz	HP [W]	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
RHAL18	208/230	1	60	1/5 [149]	1075	2	1.5	3	15
RHAL24	208/230	1	60	1/5 [149]	1075	2	1.5	3	15
RHAL30	208/230	1	60	1/4 [186]	1075	2	2.5	4	15
RHAL36	208/230	1	60	1/3 [249]	1075	2	2.5	4	15
RHBL24	208/230	1	60	1/3 [249]	300-1100	4	1.6	3	15
RHBL36	208/230	1	60	1/2 [373]	300-1100	4	2.7	4	15

RHAL/RHBL Electrical Data – Blower Motor Only – No Electric Heat

*Blower motors are all single phase motors.

RHAL/RHBL 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.	Heater kW (208/240V)	PH/Hz	No. Elements - kW Per	Type Supply Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
RXHJ-21B/T03J	2.25/3.0	1/60	1-3.0	Single	10.8/12.5	1.5	16/18	20/20
RXHJ-21B/T05J	3.6/4.8	1/60	1-4.8	Single	17.3/20.0	1.5	24/27	25/30
RXHJ-21B/T08J	5.4/7.2	1/60	2-3.6	Single	26.0/30.0	1.5	35/40	35/40
RXHJ-21B/T03J	2.25/3.0	1/60	1-3.0	Single	10.8/12.5	1.5	16/18	20/20
RXHJ-21B/T05J	3.6/4.8	1/60	1-4.8	Single	17.3/20.0	1.5	24/27	25/30
RXHJ-21B/T08J	5.4/7.2	1/60	2-3.6	Single	26.0/30.0	1.5	35/40	35/40
RXHJ-21B/T10J	7.2/9.6	1/60	2-4.8	Single	34.6/40.0	1.5	46/52	50/60
RXHJ-24B/T03J	2.25/3.0	1/60	1-3.0	Single	10.8/12.5	2.5	17/19	20/20
RXHJ-24B/T05J	3.6/4.8	1/60	1-4.8	Single	17.3/20.0	2.5	25/29	25/30
RXHJ-24B/T08J	5.4/7.2	1/60	2-3.6	Single	26.0/30.0	2.5	36/41	40/45
RXHJ-24B/T10J	7.2/9.6	1/60	2-4.8	Single	34.6/40.0	2.5	47/54	50/60
RXHJ-24B/T03J	2.25/3.0	1/60	1-3.0	Single	10.8/12.5	2.5	17/19	20/20
RXHJ-24B/T05J	3.6/4.8	1/60	1-4.8	Single	17.3/20.0	2.5	25/29	25/30
RXHJ-24B/T08J	5.4/7.2	1/60	2-3.6	Single	26.0/30.0	2.5	36/41	40/45
RXHJ-24B/T10J	7.2/9.6	1/60	2-4.8	Single	34.6/40.0	2.5	47/54	50/60
	No. RXHJ-21B/T03J RXHJ-21B/T05J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-21B/T03J RXHJ-24B/T03J RXHJ-24B/T03J	Wulder kW No. (208/240V) RXHJ-21B/T03J 2.25/3.0 RXHJ-21B/T05J 3.6/4.8 RXHJ-21B/T03J 2.25/3.0 RXHJ-21B/T03J 2.25/3.0 RXHJ-21B/T03J 2.25/3.0 RXHJ-21B/T03J 2.25/3.0 RXHJ-21B/T03J 5.4/7.2 RXHJ-21B/T03J 2.25/3.0 RXHJ-24B/T03J 2.25/3.0 RXHJ-24B/T03J 2.25/3.0 RXHJ-24B/T03J 5.4/7.2 RXHJ-24B/T03J 5.4/7.2 RXHJ-24B/T03J 5.4/7.2 RXHJ-24B/T03J 5.4/7.2 RXHJ-24B/T03J 5.4/7.2 RXHJ-24B/T03J 2.25/3.0 RXHJ-24B/T03J 2.25/3.0 RXHJ-24B/T03J 2.25/3.0 RXHJ-24B/T03J 3.6/4.8 RXHJ-24B/T03J 3.6/4.8 RXHJ-24B/T03J 3.6/4.8 RXHJ-24B/T03J 3.6/4.8 RXHJ-24B/T03J 3.6/4.8 RXHJ-24B/T05J 3.6/4.8 RXHJ-24B/T05J 3.6/4.8 RXHJ-2	NOULEI KW PH/Hz No. (208/240V) 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-21B/T05J 3.6/4.8 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-21B/T03J 3.6/4.8 1/60 RXHJ-21B/T03J 5.4/7.2 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-21B/T03J 2.25/3.0 1/60 RXHJ-24B/T03J 2.25/3.0 1/60 RXHJ-24B/T03J 3.6/4.8 1/60 RXHJ-24B/T03J 5.4/7.2 1/60 RXHJ-24B/T03J 5.4/7.2 1/60 RXHJ-24B/T03J 2.25/3.0 1/60 RXHJ-24B/T03J 3.6/4.8 1/60	kW PH/Hz NO. Etements - kW Per No. (208/240V) PH/Hz NO. Etements - kW Per RXHJ-21B/T03J 2.25/3.0 1/60 1-3.0 RXHJ-21B/T05J 3.6/4.8 1/60 1-4.8 RXHJ-21B/T03J 2.25/3.0 1/60 1-3.0 RXHJ-21B/T03J 2.25/3.0 1/60 1-4.8 RXHJ-21B/T03J 2.25/3.0 1/60 1-4.8 RXHJ-21B/T04J 3.6/4.8 1/60 1-4.8 RXHJ-21B/T05J 3.6/4.8 1/60 2-3.6 RXHJ-21B/T04J 7.2/9.6 1/60 2-3.6 RXHJ-24B/T03J 2.25/3.0 1/60 1-4.8 RXHJ-24B/T03J 3.6/4.8 1/60 1-4.8 RXHJ-24B/T04J 7.2/9.6 1/60 2-3.6 RXHJ-24B/T03J 5.4/7.2 1/60 2-3.6 RXHJ-24B/T03J 7.2/9.6 1/60 2-4.8 RXHJ-24B/T03J 2.25/3.0 1/60 1-4.8 RXHJ-24B/T03J 2.25/3.0 1/60 1-3.0	Would No. kW (208/240V) PH/Hz Nu. Elements - kW Per Type Suppry Circuit RXHJ-21B/T03J 2.25/3.0 1/60 1-3.0 Single RXHJ-21B/T03J 2.25/3.0 1/60 1-4.8 Single RXHJ-21B/T03J 5.4/7.2 1/60 2-3.6 Single RXHJ-21B/T03J 2.25/3.0 1/60 1-4.8 Single RXHJ-21B/T03J 2.25/3.0 1/60 1-3.0 Single RXHJ-21B/T03J 2.25/3.0 1/60 1-4.8 Single RXHJ-21B/T03J 5.4/7.2 1/60 2-3.6 Single RXHJ-21B/T03J 5.4/7.2 1/60 2-3.6 Single RXHJ-24B/T03J 2.25/3.0 1/60 2-4.8 Single RXHJ-24B/T03J 2.25/3.0 1/60 1-4.8 Single RXHJ-24B/T03J 5.4/7.2 1/60 2-3.6 Single RXHJ-24B/T03J 5.4/7.2 1/60 2-4.8 Single RXHJ-24B/T03J 2.25/3.0 1/60 1-4.8 Single <td>Wodel No.kW (208/240V)PH/HzNo.Iype Supply kW PerCircuitAmps.RXHJ-21B/T03J2.25/3.01/601-3.0Single10.8/12.5RXHJ-21B/T05J3.6/4.81/601-4.8Single17.3/20.0RXHJ-21B/T03J2.25/3.01/602-3.6Single26.0/30.0RXHJ-21B/T03J2.25/3.01/601-3.0Single10.8/12.5RXHJ-21B/T03J2.25/3.01/601-3.0Single26.0/30.0RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.0RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.0RXHJ-21B/T03J5.4/7.21/602-4.8Single34.6/40.0RXHJ-24B/T03J2.25/3.01/601-4.8Single17.3/20.0RXHJ-24B/T03J5.4/7.21/602-3.6Single26.0/30.0RXHJ-24B/T03J2.25/3.01/601-4.8Single17.3/20.0RXHJ-24B/T03J5.4/7.21/602-3.6Single26.0/30.0RXHJ-24B/T03J5.4/7.21/602-4.8Single34.6/40.0RXHJ-24B/T03J2.25/3.01/601-3.0Single34.6/40.0RXHJ-24B/T03J2.25/3.01/601-3.0Single10.8/12.5RXHJ-24B/T03J2.25/3.01/601-3.0Single10.8/12.5RXHJ-24B/T03J2.25/3.01/601-3.0Single10.8/12.5RXHJ-24B/T03J2.25/3.01/601-3.0</td> <td>Woder No.kW (208/240V)PH/HzNo. Elements - 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kW PerType Suppry CircuitCircuitMotor Amps.RXHJ-21B/T03J2.25/3.01/601-3.0Single10.8/12.51.5RXHJ-21B/T05J3.6/4.81/601-4.8Single17.3/20.01.5RXHJ-21B/T03J2.25/3.01/602-3.6Single26.0/30.01.5RXHJ-21B/T03J2.25/3.01/601-4.8Single10.8/12.51.5RXHJ-21B/T03J3.6/4.81/601-4.8Single17.3/20.01.5RXHJ-21B/T03J3.6/4.81/601-4.8Single26.0/30.01.5RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.01.5RXHJ-21B/T03J5.4/7.21/602-3.6Single10.8/12.52.5RXHJ-24B/T03J2.25/3.01/601-4.8Single10.8/12.52.5RXHJ-24B/T03J3.6/4.81/601-4.8Single17.3/20.02.5RXHJ-24B/T03J5.4/7.21/602-3.6Single26.0/30.02.5RXHJ-24B/T03J5.4/7.21/602-4.8Single17.3/20.02.5RXHJ-24B/T03J2.25/3.01/601-3.0Single34.6/40.02.5RXHJ-24B/T03J2.25/3.01/601-3.0Single10.8/12.52.5RXHJ-24B/T03J2.25/3.01/601-3.0Single10.8/12.52.5RXHJ-24B/T03J2.25/3.01/601-4.8 <td>Wodel No.RW (208/240V)PH/HzNo. Elements - kW PerIype Supply CircuitCircuit Amps.Motor AmpacityCircuit AmpacityRXHJ-21B/T03J2.25/3.01/601-3.0Single10.8/12.51.516/18RXHJ-21B/T03J3.6/4.81/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J2.25/3.01/601-4.8Single10.8/12.51.516/18RXHJ-21B/T03J2.25/3.01/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J3.6/4.81/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J2.25/3.01/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J2.25/3.01/601-4.8Single10.8/12.52.517/19RXHJ-24B/T03J2.25/3.01/601-4.8Single10.8/12.52.517/19RXHJ-24B/T03J3.6/4.81/601-4.8Single17.3/20.02.525/29RXHJ-24B/T03J5.4/7.21/602-3.6Single26.0/30.02.536/41RXHJ-24B/T03J2.25/3.01/601-4.8Single34.6/40.02.547/54RXHJ-24B/T03J2.25/3.01/602-3.6Single</td>	Wodel No.RW (208/240V)PH/HzNo. Elements - kW PerIype Supply CircuitCircuit Amps.Motor AmpacityCircuit AmpacityRXHJ-21B/T03J2.25/3.01/601-3.0Single10.8/12.51.516/18RXHJ-21B/T03J3.6/4.81/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J2.25/3.01/601-4.8Single10.8/12.51.516/18RXHJ-21B/T03J2.25/3.01/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J3.6/4.81/601-4.8Single17.3/20.01.524/27RXHJ-21B/T03J2.25/3.01/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J5.4/7.21/602-3.6Single26.0/30.01.535/40RXHJ-21B/T03J2.25/3.01/601-4.8Single10.8/12.52.517/19RXHJ-24B/T03J2.25/3.01/601-4.8Single10.8/12.52.517/19RXHJ-24B/T03J3.6/4.81/601-4.8Single17.3/20.02.525/29RXHJ-24B/T03J5.4/7.21/602-3.6Single26.0/30.02.536/41RXHJ-24B/T03J2.25/3.01/601-4.8Single34.6/40.02.547/54RXHJ-24B/T03J2.25/3.01/602-3.6Single

• 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.

· Largest motor load is included in single circuit or circuit 1 of multiple circuits.

• No electrical heating elements are permitted to be used with A Voltage (115V) air handler.

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.

[] Designates Metric Conversions

Grounding

• This product must be sufficiently grounded in accordance with National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.

230 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.

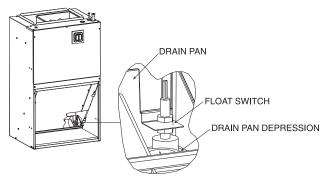
• A grounding lug is provided.

• Do not use 480 volts electrical heaters on 230 volts air handler.

Accessories RHBL/RHAL Series

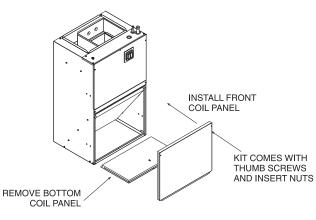
16.0 Accessories-Kits-Parts

• Drain Pan Over Flow Switch RXHK-A01 is used to detect condensate drain blockage and will shut down the outdoor unit in order to prevent structural damage to the surrounding structures of the air handler.



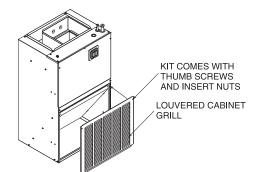
• Bottom Return Conversion Kit RXHK- is used to divert the return air from the factory standard front return to a bottom return.

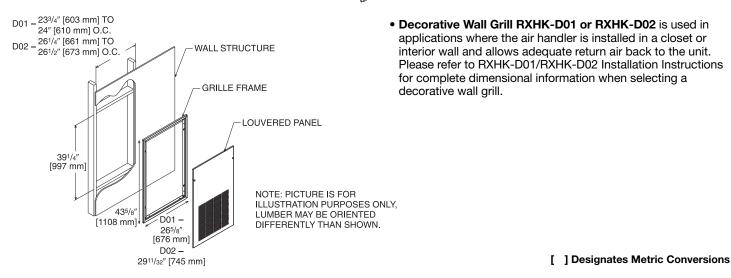
Accessory Number	Indoor Unit
	RHAL-FR18
RXHK-B01	RHAL-FR24
	RHBL-FR24
	RHAL-FR30
RXHK-B02	RHAL-FR36
	RHBL-FR36



• Louvered Cabinet Grill RXHK- is used as decorative grill which covers the return air opening of the front return air handler.

Accessory Number	Indoor Unit
	RHAL-FR18
RXHK-C01	RHAL-FR24
	RHBL-FR24
	RHAL-FR30
RXHK-C02	RHAL-FR36
	RHBL-FR36





GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty. Conditional Parts (Registration Required)Ten (10) Years

*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Notes RHBL/RHAL Series

Notes RHBL/RHAL Series



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

Ruud Heating, Cooling & Water Heating • P.O. Box 17010 Fort Smith, Arkansas 72917 • www.ruud.com Ruud Canada • 125 Edgeware Road, Unit 1 Brampton, Ontario • L6Y 0P5

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