The new degree of comfort.™

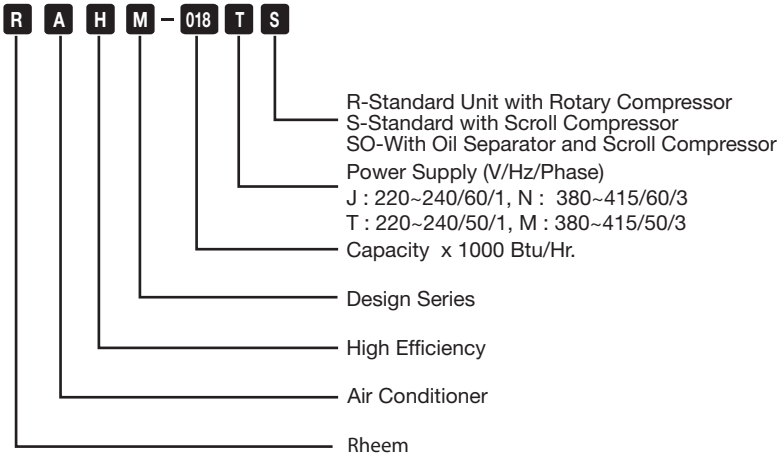
High Efficiency

Low Height Air Handler With Side Discharge Condensing Unit

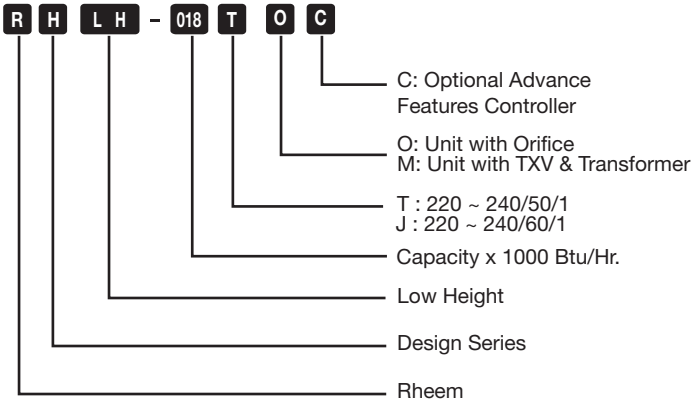
R-410A REFRIGERANT

NOMENCLATURE

Outdoor Unit:



Indoor Unit:



ENGINEERING FEATURES

RHLH Series Indoor Units

Cabinet:

Polyester based Powder coated, made from Hot deep galvanized steel sheet metal for high corrosion resistance of 1008 hrs salt spray test as per ASTM-B117 std.

Motor:

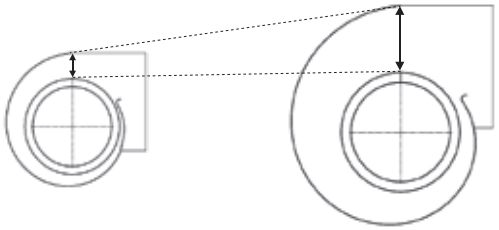
Multi speed, internally protected Ultra high efficiency with Class-B insulation mounted on resilient neoprene rubber mountings to reduce noise level
Ultra high efficiency & low RPM motors:
6 Pole Motors (920 RPM)

Motor Mounting Arrangement:

Specially designed mounting arrangement for motors to have center alignment of motor & fan blower assembly with housing which provide absolute sturdiness against vibrations.

Silent Operation :

The motor & fans are designed to achieve performance by running at lower RPM to reduce tip speeds for extremely silent operation. Motors used in the units are 8 pole or 6 pole. The fans are designed to operate at lower blower outlet & coil face velocity for quiet & highly efficient operation of units.



Low Height:

Height 12 to 16 inches. Allows for horizontal installation in most standard or replacement work.

Expansion Device:

Thermostatic expanison valve is provided as standard for scroll system for safe operation of refrigeration system under low & high indoor and outdoor temperature environment.

Brass Distributor

Distributor is used in all the indoor units to distribute refrigerant uniformly in the evaporator circuits for best performance in the evaporator coil.

ENGINEERING FEATURES

Blower :
Direct driven, Centrifugal, forward curved, double inlet double width type, made from galvanized steel sheet.

Blower Housing:
Double inlet orifice, Profile to give advantage in low noise, high efficiency and uniform air flow, made form galvanized steel sheet.


Old Conventional Design


New Design

Insulation:
12mm thick irradiated grade EPE, fire retardant lining, odour free material for thermal, hygiene and acoustic application.

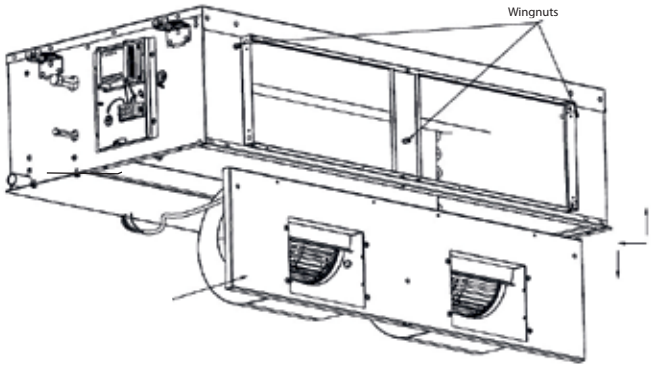
Evaporator Coil :
Coils are constructed with inner grooved copper tubes (IGT) & aluminium fins. Fins mechanically bonded to the tubes for maximum heat transfer capabilities. Coated highly corrosion resistant aluminium fins are provided as standard features in all the units.

Antifreeze Protection For Coil :
Antifreeze temperature sensor is provided on coil against freezing during abnormal operating conditions.

Refrigerant Connections :
For field piping connections, sweat solder type joints are provided outside the unit. Rubber plugs with positive pressure inside the coil are provided on the connection for ease of installation.

Filters:
5mm thick woven synthetic, permanent washable filters are standard on all units. provision for fixing 1/2" thk field supplied filters is standard feature on all the units. Multiple filters are provided for 48 & above model for easy accessibility for servicing purpose.

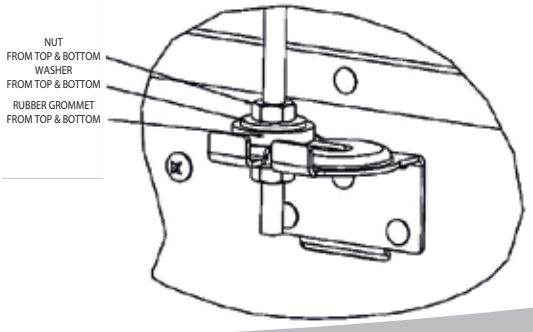
Service Access:
Removable panels at the bottom of the unit are provided for service access to blower, blower housing, motors & expansion valve. Entire fan and motor section assembly can be separated from the cabinet by opening special bolts for servicing and maintenance purpose in all the units. This feature provide the complete access of components without opening the ducting & refrigerant connections. Filter access provision is made without removing any part of unit (Lift and Remove from backside).



Drain Pan:
Insulated & powder coated galvanized steel drain pan is designed with adequate slope to have proper condensate drain. The sandwich insulation kept between upper and lower sheet metal panels provides drip free performance.

Drain Pan Cleaning:
The construction of cabinet is designed to remove the drain pan for servicing & cleaning purpose through bottom access under installed condition without disturbing the installation of the unit.

Unit Suspension:
Rolled up rigid brackets for proper and easy mounting / installation of units. Rubberized cushions are provided at hanging brackets for suspending the unit from the ceiling / concrete slab to eliminate vibration.



ENGINEERING FEATURES

Microprocessor Based Controller:
Microprocessor based electronic controller with built in programming for complete control of system, time delays for refrigeration systems protection & interlocking arrangement with safeties are provided as standard feature on all the indoor units.

Controller Features:
-Standard with all units
-Microprocessor based unit
-High pressure and low pressure protection
-Antifreeze protection
-Built in time delay for compressor

Advance Controller Features (Optional):
Weekly Scheduling
Remote ON/OFF
BMS Compatibility
Wireless remote controller
Drain Pump supply

Connecting Cable Flexibility:
Quick connector is provded for interconnecting communication cable (10 meter Long) from main controller to Controller User Interface. This provides the flexiblity for Quick connections, avoiding miss connections in terminals and ensure safety for service personel.

Provision For Direct Duct Connection:
Flanges are provided on the front of units, suitable to connect flexible duct.

Testing:
All units are run tested at the factory prior to shipment.

Riveted Panels:
Non serviceable panels in the cabinet are joined with the help of rigid steel rivets. The riveted panel provide very good stability, fit and finish.

RAHM Series Outdoor Units:

Compressor:
Compressor used in the units are hermetically sealed scroll type and incorporates internal high temperature motor overload protection, and durable insulation on the motor winding. The compressors used are tropical compressors optimized for performance & reliability for high temperature environmental conditions. It is internally spring mounted and externally mounted on rubber grommets to reduce vibration and noise. compressor has an internal pressure - relief assembly to protect agains excessive pressure differential.

Model	Scroll	Rotary
12		✓
18		✓
24	✓	✓
30	✓	✓
36	✓	✓
42	✓	
48	✓	
54	✓	
65	✓	

Condenser Fan Motor:
Internally protected, totally enclosed and permanently lubricated type.

Fan:
Metallic Condenser fan blades ensure safety & high durability.

ENGINEERING FEATURES

Fan Guard:
Metallic wire guard confirms to IEC safety standard & high durability.

Cabinet:
Polyester Powder coated, made from hot dip galvanized steel sheet metal for high corrosion resistance of 1008 hrs salt spray as per ASTM-B117 std. Pressed parts like Base, Foot, Top, Front, Fan Motor Bracket and Side grille are adding sturdiness to the cabinet.

Refrigerant Connections:
All connections are sweat and soldered type on exterior of the unit, located close to the ground for neat appearing installation.

Service Valves:
Standard on all models. These valves are provided outside the unit with service port for connecting gauges for ease of installation, additional refrigerant charging and monitoring of system.

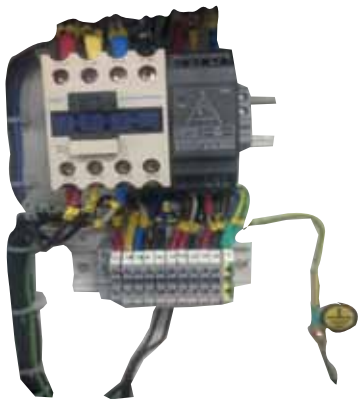
Serviceability:
The compressor the electrical box is located in separate compartement of the cabinet provideing for easy access through service panel.

Filter Drier:
Filter drier is supplied loose as standard accessory with the units for installation in liquid line in field. The filter drier prevents the unwanted moisture in the system and help in enhancing the life of the system

Precharged:
Every unit is factory charged and run tested before shipment.

Pressure Cut-Outs:
High Pressure and Low Pressure safety controls are a standard feature on all the models. Single Phase, Phase Reversal & Phase Imbalance Protection:
All the 3 Phase units are provided with Single Phase reversal & phase imbalance protection module for safety of electrical components.

Contactor:
Relays are proved as standard for switching the compressor in all models.



Low Ambient Kit:
Low ambient kit is standard feature for protection of refrigeration system operation under low ambient conditions.

Condenser Coil:
Coils are constructed with inner grooved copper tube (IGT) & aluminum fins mechanially bonded to the tubes for maximum heat transfer capabilites. Coated highly corrosion resistant aluminum fins are provided as standard features in all the units.

PHYSICAL AND ELECTRICAL DATA (Scroll Compressor)

TABLE FOR TECHNICAL DATA											
AIR HANDLING UNIT MODEL				RHLH-024TM	RHLH-030TM	RHLH-036TM	RHLH-042TM	RHLH-042TM	RHLH-048TM	RHLH-054TM	RHLH-065TM	RHLH-065TM
CONDENSING UNIT MODEL				RAHM-024TS	RAHM-030TS	RAHM-036TS	RAHM-042TS	RAHM-042MS	RAHM-048MS	RAHM-054MS	RAHM-054MS	RAHM-065MS
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	27 DB / 19 WB °C	TMBH	21.9	25.2	29.5	37.4	38.1	39.1	45.4	48.9	58.7
			SMBH	17.7	20.9	25.2	29.5	30.0	31.5	36.5	42.7	47.7
		24.4 DB / 17.2 WB °C	TMBH	20.7	23.7	27.7	35.5	36.0	36.9	42.7	46.3	55.5
			SMBH	17.1	19.5	23.7	28.2	28.3	29.8	34.5	40.7	45.3
AMBIENT TEMP 46 °C	EVAP ENTERING AIR TEMP.	29 DB / 19 WB °C	TMBH	19.8	22.9	27.1	33.8	34.1	34.5	40.3	44.0	51.0
			SMBH	18.9	21.3	25.5	31.7	31.7	32.3	38.1	43.1	50.6
		24.4 DB / 17.2 WB °C	TMBH	18.2	21.0	24.0	31.3	31.3	32.2	37.3	40.9	48.4
			SMBH	15.9	18.0	21.4	26.1	26.0	27.3	31.8	37.6	42.0
AIR FLOW PERFORMANCE (DRY COIL)		LOW	CFM	745	795	1170	1250	1250	1195	1315	1740	1740
		MED		770	840	1225	1290	1290	1355	1450	1865	1865
		HIGH		790	890	1275	1355	1355	1495	1645	1990	1990
NOISE LEVEL		LOW	dBA	40.8	46.3	45.8	45.9	45.9	46.9	48.1	51.3	51.3
		MED		41.3	46.5	46.3	46.7	46.7	48.1	49.1	52	52
		HIGH		41.7	47.5	47.1	47.4	47.4	49.1	50.7	52.6	52.6
EXTERNAL STATIC PRESSURE (ESP)			IN (Pa)	0.1 (25)	0.1 (25)	0.15 (37)	0.15 (37)	0.15 (37)	0.15 (37)	0.2 (50)	0.2 (50)	0.2 (50)
NUMBER OF COMPRESSORS				1	1	1	1	1	1	1	1	1
NUMBER OF REFRIGERANT CIRCUIT FOR AHU				1	1	1	1	1	1	1	1	1
EXPANSION DEVICE/REFRIGERANT - R410A				Thermostatic Expansion Valve								
ELECTRICAL DATA	POWER SUPPLY	AIR HANDLING UNIT	PH-HZ-VOLT	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230
		CONDENSING UNIT		1-50-230	1-50-230	1-50-230	1-50-230	3-50-400	3-50-400	3-50-400	3-50-400	3-50-400
	POWER INPUT	AIR HANDLING UNIT	KW	0.10	0.15	0.17	0.23	0.23	0.27	0.29	0.40	0.40
		CONDENSING UNIT		1.68	1.99	2.26	2.88	2.94	2.98	3.54	3.54	4.61
	CIRCUIT BREAKER SIZE	AIR HANDLING UNIT	AMPS	15	15	15	15	15	15	15	15	15
		CONDENSING UNIT		25	25	32	32	20	20	25	25	25
	FULL LOAD CURRENT	AIR HANDLING UNIT	AMPS	0.4	0.6	0.9	1.4	1.3	1.3	1.4	1.7	1.8
		CONDENSING UNIT		7.5	9.0	9.8	12.5	6.1	6.2	7.1	7.1	8.9
COIL FACE AREA		AIR HANDLING UNIT	SQ. FT	3.56	3.56	4.47	4.47	4.47	6.10	6.10	8.20	8.20
		CONDENSING UNIT		6.71	6.71	9.18	9.18	9.18	9.18	10.34	10.34	11.92
NO OF FANS		AIR HANDLING UNIT	NOS.	2	2	2	2	2	2	2	2	2
		CONDENSING UNIT		1	1	1	1	1	1	1	1	1
NET WEIGHT		INDOOR UNIT	KG	37	42	52	52	52	68	68	76	76
		OUTDOOR UNIT	KG	54	58	72	82	82	92	89	89	95

* Electrical data is mentioned at T1 condition.

PHYSICAL AND ELECTRICAL DATA (Rotary Compressor)

TABLE FOR TECHNICAL DATA								
AIR HANDLING UNIT MODEL				RHLH-012TO	RHLH-018TO	RHLH-024TO	RHLH-030TO	RHLH-042TO
CONDENSING UNIT MODEL				RAHM-012TR	RAHM-018TR	RAHM-024TR	RAHM-030TR	RAHM-036TR
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	27°DB / 19 WB °C	TMBH	11.6	17.9	21.1	24.5	30.2
			SMBH	10.1	14.4	17.4	19.8	25.4
		24.4°DB / 17.2° WB°C	TMBH	10.6	16.7	19.9	22.7	28.8
			SMBH	9.6	13.4	16.3	18.6	24.2
AMBIENT TEMP 46 °C	EVAP ENTERING AIR TEMP.	29°DB / 19°WB°C	TMBH	10.4	15.7	19.2	21.5	27.6
			SMBH	9.9	15.0	18.1	20.6	26.4
		24.4°DB / 17.2° WB °C	TMBH	9.0	13.9	17.4	19.6	24.9
			SMBH	8.5	12.2	15.0	17.0	22.1
AIR FLOW PERFORMANCE (DRY COIL)		LOW	CFM	360	485	745	795	1145
		MED		435	570	770	840	1200
		HIGH		500	650	790	890	1250
SOUND LEVEL		LOW	dBA	38.6	38.4	40.8	46.3	44.8
		MED		39.3	39.1	41.3	46.5	45.4
		HIGH		39.7	40.5	41.7	47.5	45.9
EXTERNAL STATIC PRESSURE (ESP)			IN (Pa)	0.1 (25)	0.1 (25)	0.1 (25)	0.1 (25)	0.15 (37)
NUMBER OF COMPRESSORS				1	1	1	1	1
NUMBER OF REFRIGERANT CIRCUIT FOR AHU				1	1	1	1	1
EXPANSION DEVICE/REFRIGERANT - R410A				Orifice				
ELECTRICAL DATA	POWER SUPPLY	AIR HANDLING UNIT	PH-HZ-VOLT	1-50-230	1-50-230	1-50-230	1-50-230	1-50-230
		CONDENSING UNIT		1-50-230	1-50-230	1-50-230	1-50-230	1-50-230
	POWER INPUT	AIR HANDLING UNIT	KW	0.06	0.08	0.10	0.15	0.17
		CONDENSING UNIT		0.92	1.41	1.59	1.92	2.30
	CIRCUIT BREAKER SIZE	AIR HANDLING UNIT	AMPS	15	15	15	15	15
		CONDENSING UNIT		25	25	25	25	32
	FULL LOAD CURRENT	AIR HANDLING UNIT	AMPS	0.3	0.4	0.4	0.7	0.8
		CONDENSING UNIT		4.1	6.2	7.1	8.6	11.0
COIL FACE AREA		AIR HANDLING UNIT	SQ. FT	2.7	2.7	3.6	3.6	4.5
		CONDENSING UNIT		6.7	6.7	6.7	6.7	9.2
NO OF FANS		AIR HANDLING UNIT	NOS.	2	2	2	2	2
		CONDENSING UNIT		1	1	1	1	1
NET WEIGHT		INDOOR UNIT	KG	34	36	37	42	52
		OUTDOOR UNIT	KG	49	58	60	60	83
MAXIMUM AVAILABLE VERTICAL SEPARATION (ODU ABOVE)			Meter	10	21	21	21	21
MAXIMUM AVAILABLE VERTICAL SEPARATION (ODU BELOW)			Meter	6	9	9	9	9
TOTAL AVAILABLE EQUIVALENT PIPING			Meter	20	30	30	30	30

* Electrical data is mentioned at T1 condition.

PERFORMANCE DATA (Scroll Unit)

MODEL			RHLH-024TM/RAHM-024TS									RHLH-030TM/RAHM-030TS								
INDOOR TEMP OF			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27C) DB / 63.0° F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.19	0.21	0.23	0.19	0.21	0.23	0.19	0.21	0.23	0.15	0.17	0.19	0.15	0.17	0.19	0.15	0.17	0.19
CFM AIR VOL.			790	770	745	790	770	745	790	770	745	890	840	795	890	840	795	890	840	795
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	25.3	25.2	25.1	23.3	23.2	23.1	21.9	21.8	21.7	29.0	28.7	28.5	26.9	26.7	26.5	25.5	25.3	25.1
		SMBH	15.1	14.9	14.7	18.4	18.2	17.9	20.8	20.5	20.2	16.8	16.5	16.3	20.5	20.1	19.7	23.1	22.5	21.9
		Power	1.45	1.43	1.42	1.46	1.44	1.43	1.47	1.45	1.44	1.76	1.74	1.71	1.75	1.73	1.70	1.74	1.72	1.70
	80°F(26.7°C)	TMBH	25.0	24.9	24.8	23.0	22.9	22.8	21.6	21.5	21.4	28.6	28.4	28.2	26.6	26.4	26.2	25.2	25.0	24.8
		SMBH	15.0	14.8	14.6	18.3	18.1	17.8	20.7	20.4	20.1	16.7	16.4	16.1	20.4	20.0	19.5	22.9	22.3	21.8
		Power	1.54	1.52	1.51	1.55	1.53	1.52	1.55	1.54	1.52	1.87	1.85	1.83	1.86	1.84	1.82	1.86	1.84	1.82
	85°F(29.4°C)	TMBH	24.7	24.6	24.4	22.7	22.6	22.5	21.3	21.2	21.1	28.1	27.9	27.8	26.2	26.0	25.8	24.9	24.7	24.5
		SMBH	14.8	14.7	14.5	18.2	17.9	17.7	20.5	20.3	19.9	16.5	16.2	15.9	20.2	19.8	19.4	22.7	22.2	21.6
		Power	1.62	1.60	1.59	1.63	1.61	1.60	1.64	1.62	1.60	1.97	1.95	1.92	1.96	1.94	1.92	1.96	1.94	1.92
	90°F(32.3°C)	TMBH	24.2	24.2	24.1	22.3	22.2	22.1	20.9	20.8	20.7	27.6	27.4	27.2	25.7	25.5	25.3	24.4	24.2	24.0
		SMBH	14.7	14.5	14.4	18.0	17.8	17.5	20.4	20.1	19.8	16.3	16.0	15.7	20.0	19.5	19.1	22.5	21.9	21.4
		Power	1.70	1.68	1.67	1.70	1.69	1.67	1.71	1.70	1.68	2.05	2.03	2.01	2.05	2.03	2.01	2.05	2.03	2.01
	95°F(35.0°C)	TMBH	23.8	23.7	23.6	21.9	21.8	21.7	20.4	20.4	20.3	27.0	26.8	26.6	25.2	25.0	24.8	23.9	23.7	23.6
		SMBH	14.5	14.3	14.2	17.8	17.6	17.3	20.2	19.9	19.6	16.0	15.7	15.5	19.7	19.3	18.9	22.2	21.7	21.2
		Power	1.77	1.76	1.74	1.78	1.76	1.75	1.79	1.77	1.75	2.14	2.12	2.10	2.14	2.11	2.09	2.13	2.11	2.09
	100°F(37.8°C)	TMBH	23.3	23.2	23.1	21.4	21.3	21.2	20.0	19.9	19.8	26.3	26.1	26.0	24.6	24.4	24.2	23.3	23.1	22.9
		SMBH	14.3	14.1	14.0	17.6	17.4	17.1	19.9	19.7	19.4	15.7	15.4	15.2	19.4	19.0	18.6	22.0	21.4	20.9
		Power	1.85	1.83	1.82	1.85	1.84	1.82	1.86	1.85	1.83	2.23	2.21	2.19	2.22	2.20	2.18	2.22	2.20	2.17
	105° F(40.6°C)	TMBH	22.7	22.6	22.5	20.8	20.7	20.6	19.5	19.4	19.3	25.6	25.4	25.3	23.9	23.8	23.6	22.6	22.5	22.4
		SMBH	14.1	13.9	13.8	17.4	17.2	16.9	19.5	19.4	19.1	15.4	15.1	14.9	19.1	18.7	18.3	21.7	21.1	20.6
		Power	1.93	1.91	1.90	1.94	1.92	1.91	1.94	1.93	1.91	2.32	2.30	2.28	2.31	2.29	2.27	2.31	2.29	2.27
	110°F(43.3°C)	TMBH	22.0	21.9	21.8	20.2	20.1	20.0	19.1	18.9	18.8	24.9	24.7	24.6	23.3	23.1	22.9	22.0	21.9	21.7
		SMBH	13.8	13.7	13.5	17.3	17.0	16.7	19.1	18.9	18.8	15.1	14.8	14.6	18.8	18.4	18.0	21.4	20.8	20.3
		Power	2.02	2.00	1.99	2.02	2.01	1.99	2.03	2.01	2.00	2.43	2.41	2.39	2.42	2.40	2.37	2.41	2.39	2.37
	115F(46.1C)	TMBH	21.3	21.2	21.1	19.5	19.4	19.3	18.5	18.4	18.3	24.1	24.0	23.9	22.6	22.4	22.3	21.3	21.2	21.1
		SMBH	13.6	13.4	13.2	17.0	16.8	16.5	18.5	18.4	18.3	14.7	14.5	14.3	18.5	18.1	17.7	21.1	20.6	19.9
		Power	2.12	2.10	2.09	2.12	2.11	2.09	2.13	2.11	2.10	2.55	2.53	2.51	2.54	2.52	2.49	2.53	2.50	2.48
	120F(48.9C)	TMBH	20.5	20.5	20.4	18.7	18.6	18.6	18.0	17.9	17.7	23.4	23.3	23.1	21.9	21.8	21.6	20.7	20.5	20.4
		SMBH	13.3	13.1	13.0	16.7	16.5	16.2	18.0	17.9	17.7	14.4	14.2	14.0	18.2	17.7	17.4	20.7	20.2	19.7
		Power	2.23	2.22	2.20	2.24	2.22	2.21	2.24	2.23	2.21	2.70	2.68	2.65	2.68	2.66	2.64	2.67	2.64	2.62
	125F(51.7C)	TMBH	19.7	19.6	19.6	17.9	17.8	17.8	17.4	17.3	17.1	22.7	22.5	22.4	21.2	21.1	21.0	20.1	19.9	19.7
		SMBH	13.0	12.8	12.7	16.4	16.2	15.9	17.4	17.3	17.1	14.1	13.9	13.6	17.8	17.5	17.1	20.1	19.9	19.5
		Power	2.36	2.35	2.33	2.37	2.35	2.34	2.37	2.36	2.34	2.87	2.84	2.82	2.84	2.82	2.80	2.83	2.81	2.78

MODEL			RHLH-036TM/RAHM-036TS									RHLH-042TM/RAHM-042TS								
INDOOR TEMP OF			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27C) DB / 63.0° F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.25	0.27	0.29	0.25	0.27	0.29	0.25	0.27	0.29	0.20	0.22	0.24	0.20	0.22	0.24	0.20	0.22	0.24
CFM AIR VOL.			1275	1225	1170	1275	1225	1170	1275	1225	1170	1355	1290	1250	1355	1290	1250	1355	1290	1250
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	34.5	34.3	34.2	32.4	32.3	32.1	30.8	30.6	30.5	44.5	44.2	44.0	41.2	41.0	40.8	39.0	38.8	38.6
		SMBH	20.7	20.5	20.3	26.0	25.6	25.1	29.5	29.0	28.4	26.6	26.1	25.8	32.6	31.9	31.4	36.9	36.1	35.5
		Power	2.00	1.97	1.94	1.99	1.96	1.93	1.98	1.95	1.92	2.57	2.49	2.46	2.56	2.48	2.45	2.56	2.48	2.44
	80°F(26.7°C)	TMBH	33.7	33.5	33.4	31.7	31.5	31.4	30.1	30.0	29.9	43.6	43.3	43.1	40.4	40.0	40.0	38.1	37.8	37.7
		SMBH	20.4	20.1	19.9	25.5	25.2	24.7	29.3	28.8	28.1	26.2	25.7	25.4	32.2	31.5	31.1	36.6	35.7	35.1
		Power	2.11	2.07	2.04	2.09	2.06	2.03	2.08	2.05	2.02	2.70	2.62	2.59	2.69	2.61	2.57	2.68	2.60	2.57
	85°F(29.4°C)	TMBH	32.9	32.8	32.6	31.0	30.9	30.7	29.4	29.4	29.2	42.7	42.4	42.2	39.4	39.1	38.9	37.1	36.9	36.7
		SMBH	20.0	19.8	19.5	25.2	24.8	24.4	28.9	28.5	27.8	25.9	25.4	25.1	31.8	31.1	30.6	36.2	35.3	34.7
		Power	2.21	2.18	2.15	2.20	2.17	2.14	2.19	2.16	2.13	2.83	2.75	2.72	2.82	2.74	2.71	2.81	2.73	2.70
	90°F(32.3°C)	TMBH	32.0	31.9	31.8	30.3	30.1	30.0	28.8	28.6	28.5	41.7	41.4	41.2	38.5	38.2	38.0	36.1	35.9	35.8
		SMBH	19.6	19.4	19.2	24.9	24.5	24.1	28.4	28.1	27.5	25.5	25.0	24.7	31.4	30.7	30.3	35.9	34.9	34.3
		Power	2.32	2.29	2.26	2.31	2.28	2.25	2.30	2.27	2.24	2.97	2.89	2.86	2.96	2.88	2.85	2.95	2.87	2.84
	95°F(35.0°C)	TMBH	31.2	31.1	30.9	29.5	29.4	29.3	28.1	28.0	27.8	40.7	40.4	40.3	37.4	37.3	37.1	35.1	35.0	34.8
		SMBH	19.2	19.0	18.8	24.4	24.1	23.7	28.1	27.6	27.1	25.1	24.6	24.3	31.1	30.3	29.9	35.1	34.5	33.9
		Power	2.44	2.41	2.38	2.43	2.40	2.37	2.42	2.39	2.36	3.12	3.04	3.01	3.11	3.03	3.00	3.10	3.02	2.98
	100°F(37.8°C)	TMBH	30.3	30.2	30.1	28.8	28.7	28.5	27.4	27.3	27.1	39.6	39.4	39.2	36.5	36.3	36.2	34.5	34.0	33.6
		SMBH	18.8	18.6	18.4	24.1	23.8	23.3	27.4	27.2	26.7	24.7	24.2	23.9	30.8	30.0	29.5	34.5	34.0	33.4
		Power	2.56	2.53	2.50	2.55	2.52	2.49	2.55	2.51	2.48	3.28	3.20	3.17	3.27	3.19	3.16	3.26	3.18	3.14
	105° F(40.6°C)	TMBH	29.3	29.3	29.2	27.9	27.8	27.7	26.8	26.6	26.4	38.6	38.3	38.2	35.4	35.3	35.1	33.7	33.2	33.0
		SMBH	18.3	18.1	18.0	23.6	23.3	22.9	26.8	26.6	26.4	24.3	23.8	23.5	30.5	29.7	29.1	33.7	33.2	33.0
		Power	2.70	2.67	2.64	2.69	2.66	2.63	2.68	2.65	2.62	3.45	3.37	3.34	3.44	3.36	3.33	3.43	3.35	3.32
	110°F(43.3°C)	TMBH	28.4	28.3	28.2	27.1	27.0	26.9	26.1	25.9	25.7	37.5	37.2	37.1	34.4	34.2	34.0	32.9	32.5	32.2
		SMBH	17.9	17.7	17.5	23.2	22.8	22.5	26.1	25.9	25.7	23.9	23.4	23.1	30.1	29.3	28.8	32.9	32.5	32.2
		Power	2.84	2.81	2.78	2.84	2.81	2.77	2.83	2.80	2.77	3.64	3.55	3.52	3.63	3.54	3.51	3.62	3.54	3.51
	115F(46.1C)	TMBH	27.4	27.3	27.2	26.2	26.1	26.0	25.3	25.2	24.9	36.3	36.1	35.9	33.3	33.1	33.0	32.1	31.7	31.4
		SMBH	17.3	17.2	17.0	22.7	22.3	22.0	25.3	25.2	24.9	23.5	23.0	22.7	29.7	28.9	28.5	32.1	31.7	31.4
		Power	3.00	2.97	2.94	2.99	2.96	2.93	2.99	2.96	2.93	3.83	3.75	3.72	3.82	3.74	3.71	3.82	3.74	3.70
	120F(48.9C)	TMBH	26.3	26.2	26.2	25.2	25.2	25.0	24.5	24.4	24.1	35.1	34.9	34.7	32.1	31.9	31.8	31.1	30.8	30.5
		SMBH	16.8	16.6	16.5	22.2	21.9	21.5	24.5	24.4	24.1	23.0	22.5	22.2	29.3	28.5	28.1	31.1	30.8	30.5
		Power	3.17	3.14	3.11	3.17	3.14	3.11	3.16	3.13	3.10	4.04	3.96	3.93	4.04	3.96	3.93	4.04	3.96	3.93
	125F(51.7C)	TMBH	25.2	25.1	25.0	24.2	24.1	24.0	23.6	23.4	23.3	33.8	33.6	33.5	30.9	30.8	30.6	30.2	29.8	29.6
		SMBH	16.2	16.1	15.9	21.6	21.3	20.9	23.6	23.4	23.3	22.5	22.0	21.7	28.8	28.1	27.6	30.2	29.8	29.6
		Power	3.36	3.33	3.30	3.35	3.32	3.29	3.35	3.32	3.29	4.26	4.18	4.15	4.27	4.19	4.16	4.27	4.19	4.15

Power: Total Unit Input Power (kW)

DR: Depression Ratio

dbE: Entering Air Temperature in ^{0}F

When the entering air dry bulb temperature is other than 80.6^{0}F, adjust the sensible capacity from the table by adding 1.1 x CFM X (1-DR) X (dbE-80.6)

PERFORMANCE DATA (Scroll Unit)

MODEL			RHLH-042TM/RAHM-042MS									RHLH-048TM/RAHM-048MS								
INDOOR TEMP OF			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27C) DB / 63.0° F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.20	0.22	0.24	0.20	0.22	0.24	0.20	0.22	0.24	0.20	0.22	0.24	0.20	0.22	0.24	0.20	0.22	0.24
CFM AIR VOL.			1355	1290	1250	1355	1290	1250	1355	1290	1250	1495	1355	1195	1495	1355	1195	1495	1355	1195
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	45.0	44.7	44.5	41.5	41.2	41.0	39.0	38.8	38.7	45.1	44.6	43.8	42.1	41.6	40.7	40.0	39.6	38.7
		SMBH	26.6	26.1	25.8	32.4	31.7	31.3	36.6	35.6	35.2	26.5	25.8	24.8	32.7	31.6	30.0	37.2	35.7	33.4
		Power	2.62	2.60	2.58	2.61	2.58	2.56	2.59	2.57	2.55	2.65	2.60	2.54	2.64	2.58	2.53	2.63	2.58	2.53
	80°F(26.7°C)	TMBH	44.2	43.8	43.7	40.8	40.5	40.3	38.4	38.2	38.0	44.4	43.9	43.2	41.5	41.0	40.2	39.4	39.0	38.2
		SMBH	26.2	25.7	25.5	32.1	31.4	30.9	36.3	35.4	34.8	26.2	25.5	24.5	32.5	31.3	29.7	36.8	35.3	33.2
		Power	2.75	2.73	2.71	2.73	2.71	2.69	2.72	2.70	2.68	2.79	2.74	2.68	2.78	2.73	2.67	2.77	2.72	2.67
	85°F(29.4°C)	TMBH	43.2	42.9	42.7	40.0	39.7	39.5	37.6	37.4	37.2	43.5	43.1	42.4	40.8	40.3	39.5	38.7	38.3	37.6
		SMBH	25.8	25.4	25.1	31.7	31.0	30.6	35.9	35.1	34.5	25.8	25.1	24.2	32.1	31.0	29.4	36.5	35.0	32.9
		Power	2.89	2.87	2.84	2.87	2.85	2.83	2.86	2.84	2.82	2.94	2.89	2.83	2.93	2.87	2.82	2.92	2.87	2.81
	90°F(32.3°C)	TMBH	42.2	41.9	41.7	39.0	38.8	38.6	36.7	36.5	36.4	42.5	42.1	41.4	39.9	39.4	38.7	37.9	37.5	36.8
		SMBH	25.4	25.0	24.7	31.2	30.6	30.2	35.5	34.7	34.2	25.4	24.7	23.8	31.7	30.5	29.0	36.2	34.6	32.5
		Power	3.03	3.01	2.99	3.01	2.99	2.97	3.00	2.98	2.96	3.09	3.04	2.99	3.08	3.03	2.98	3.07	3.02	2.97
	95°F(35.0°C)	TMBH	41.1	40.8	40.7	38.1	37.8	37.7	35.7	35.6	35.4	41.3	41.0	40.4	39.0	38.5	37.8	36.9	36.5	36.0
		SMBH	25.0	24.5	24.3	30.9	30.2	29.8	35.1	34.1	33.7	24.8	24.2	23.3	31.2	30.1	28.6	35.6	34.1	32.1
		Power	3.19	3.17	3.14	3.17	3.15	3.13	3.16	3.14	3.12	3.26	3.21	3.16	3.25	3.20	3.14	3.24	3.19	3.13
	100°F(37.8°C)	TMBH	40.0	39.7	39.6	37.1	36.9	36.7	34.8	34.6	34.5	40.2	39.9	38.8	37.9	37.5	36.8	35.9	35.5	35.0
		SMBH	24.5	24.1	23.8	30.4	29.8	29.4	34.8	33.9	33.3	24.3	23.7	22.5	30.7	29.6	28.1	35.2	33.7	31.7
		Power	3.35	3.33	3.31	3.34	3.31	3.29	3.32	3.30	3.28	3.44	3.39	3.33	3.43	3.37	3.32	3.42	3.36	3.31
	105° F(40.6°C)	TMBH	38.8	38.6	38.4	36.0	35.8	35.7	33.9	33.6	33.4	38.9	38.6	38.0	36.8	36.4	35.8	34.8	34.5	34.0
		SMBH	24.1	23.6	23.4	29.9	29.3	28.9	33.9	33.5	32.9	23.7	23.1	22.3	30.1	29.0	27.6	34.7	33.2	31.2
		Power	3.53	3.51	3.49	3.51	3.49	3.47	3.50	3.48	3.46	3.63	3.57	3.52	3.62	3.56	3.51	3.61	3.55	3.50
	110°F(43.3°C)	TMBH	37.7	37.4	37.3	34.9	34.8	34.6	33.1	32.7	32.4	37.6	37.4	36.9	35.7	35.3	34.7	33.8	33.4	32.9
		SMBH	23.6	23.2	22.9	29.6	28.8	28.4	33.1	32.7	32.4	23.1	22.6	21.8	29.6	28.5	27.1	33.8	32.7	30.8
		Power	3.72	3.70	3.68	3.71	3.68	3.66	3.70	3.67	3.65	3.83	3.78	3.73	3.82	3.77	3.72	3.81	3.76	3.70
	115F(46.1C)	TMBH	36.5	36.3	36.1	33.8	33.6	33.5	32.2	31.8	31.6	36.3	36.0	35.6	34.5	34.2	33.6	32.9	32.3	31.8
		SMBH	23.1	22.7	22.4	29.1	28.5	28.0	32.2	31.8	31.6	22.5	22.0	21.2	29.0	28.0	26.6	32.9	32.1	30.2
		Power	3.93	3.91	3.88	3.91	3.89	3.87	3.90	3.88	3.86	4.05	4.00	3.94	4.04	3.99	3.94	4.03	3.98	3.92
	120F(48.9C)	TMBH	35.2	35.1	35.0	32.7	32.5	32.4	31.4	31.0	30.7	35.0	34.7	34.4	33.3	33.0	32.5	31.9	31.3	30.7
		SMBH	22.6	22.2	22.0	28.8	28.0	27.6	31.4	31.0	30.7	21.8	21.3	20.6	28.3	27.4	26.0	31.9	31.3	29.5
		Power	4.15	4.12	4.10	4.13	4.11	4.09	4.13	4.11	4.08	4.28	4.23	4.18	4.27	4.22	4.17	4.27	4.22	4.16
	125F(51.7C)	TMBH	34.0	33.9	33.7	31.5	31.4	31.3	30.5	30.1	29.9	33.6	33.4	33.1	32.2	31.9	31.4	30.9	30.4	29.6
		SMBH	22.1	21.7	21.5	28.4	27.7	27.2	30.5	30.1	29.9	21.1	20.7	20.0	27.7	26.8	25.5	30.9	30.4	29.2
		Power	4.38	4.36	4.34	4.37	4.35	4.33	4.37	4.34	4.32	4.53	4.48	4.43	4.53	4.48	4.42	4.52	4.47	4.42

MODEL			RHLH-054TM/RAHM-054MS									RHLH-065TM/ RAHM-054MS								
INDOOR TEMP OF			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27C) DB / 63.0° F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.21	0.23	0.25	0.21	0.23	0.25	0.21	0.23	0.25	0.14	0.16	0.18	0.14	0.16	0.18	0.14	0.16	0.18
CFM AIR VOL.			1645	1450	1315	1645	1450	1315	1645	1450	1315	1990	1865	1740	1990	1865	1740	1990	1865	1740
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	52.9	52.1	51.3	49.4	48.6	47.8	46.9	46.1	45.4	57.3	57.0	56.6	53.8	53.4	52.9	51.1	50.3	50.0
		SMBH	30.6	29.5	28.7	37.4	35.8	34.5	42.0	39.8	38.3	35.5	34.7	34.0	45.2	43.8	42.4	51.1	50.2	48.3
		Power	3.15	3.08	3.03	3.14	3.06	3.02	3.13	3.05	3.01	3.26	3.23	3.21	3.24	3.21	3.19	3.23	3.20	3.18
	80°F(26.7°C)	TMBH	51.9	51.0	50.4	48.5	47.6	46.9	46.2	45.3	44.6	55.9	55.6	55.3	53.0	52.3	51.8	50.2	49.4	48.9
		SMBH	30.1	29.1	28.3	37.0	35.3	34.0	42.0	39.5	37.9	34.8	34.1	33.4	44.9	43.3	41.9	50.2	49.4	47.9
		Power	3.31	3.24	3.19	3.29	3.22	3.18	3.29	3.21	3.17	3.42	3.39	3.37	3.42	3.37	3.35	3.39	3.36	3.33
	85°F(29.4°C)	TMBH	50.8	50.0	49.3	47.5	46.7	46.0	45.1	44.4	43.8	54.5	54.2	54.0	51.4	51.1	50.7	49.3	48.5	47.8
		SMBH	29.6	28.6	27.8	36.4	34.8	33.6	41.1	39.0	37.5	34.1	33.5	32.8	44.3	42.8	41.4	49.3	48.5	47.4
		Power	3.48	3.40	3.36	3.46	3.39	3.34	3.45	3.37	3.33	3.59	3.56	3.54	3.57	3.54	3.52	3.56	3.53	3.50
	90°F(32.3°C)	TMBH	49.6	48.8	48.3	46.5	45.1	45.0	44.1	43.4	42.9	53.0	52.8	52.6	50.2	49.9	49.6	48.3	47.6	46.8
		SMBH	29.1	28.1	27.4	36.0	34.1	33.1	40.7	38.6	37.0	33.3	32.7	32.1	43.8	42.4	40.9	48.3	47.6	46.8
		Power	3.66	3.58	3.54	3.64	3.56	3.51	3.62	3.55	3.51	3.77	3.74	3.72	3.75	3.72	3.70	3.74	3.71	3.68
	95°F(35.0°C)	TMBH	48.4	47.7	47.2	45.4	44.7	44.1	43.1	42.4	41.9	51.5	51.3	51.1	48.9	48.6	48.4	47.3	46.6	45.8
		SMBH	28.6	27.6	26.9	35.4	33.9	32.7	40.2	38.1	36.5	32.5	32.0	31.4	43.3	41.9	40.4	47.3	46.6	45.8
		Power	3.85	3.77	3.73	3.83	3.75	3.71	3.81	3.74	3.69	3.96	3.93	3.91	3.94	3.91	3.89	3.93	3.89	3.87
	100°F(37.8°C)	TMBH	47.1	46.5	46.4	44.3	43.6	43.1	42.0	41.4	40.9	49.9	49.8	49.6	47.6	47.4	47.1	46.2	45.6	44.9
		SMBH	28.0	27.1	26.4	34.9	33.3	32.2	39.7	37.6	36.1	31.7	31.2	30.7	42.8	41.4	40.0	46.2	45.6	44.9
		Power	4.05	3.97	3.93	4.03	3.95	3.91	4.01	3.93	3.89	4.16	4.13	4.10	4.14	4.11	4.09	4.13	4.10	4.07
	105° F(40.6°C)	TMBH	45.9	45.3	44.8	43.1	42.5	41.9	40.9	40.1	39.9	48.3	48.2	48.1	46.1	46.0	45.7	45.1	44.5	43.8
		SMBH	27.5	26.5	25.8	34.3	32.8	31.7	39.4	37.5	35.6	30.8	30.4	29.9	41.9	40.9	39.5	45.1	44.5	43.8
		Power	4.26	4.18	4.14	4.24	4.16	4.12	4.22	4.14	4.08	4.37	4.34	4.32	4.35	4.32	4.30	4.34	4.31	4.28
	110°F(43.3°C)	TMBH	44.5	44.0	43.6	42.0	41.4	40.9	39.7	39.3	38.8	46.7	46.6	46.5	44.8	44.7	44.4	44.0	43.4	42.8
		SMBH	26.9	26.0	25.3	33.8	32.2	31.1	38.7	36.7	35.1	29.9	29.5	29.1	41.5	40.3	39.0	44.0	43.4	42.8
		Power	4.48	4.41	4.36	4.46	4.39	4.34	4.44	4.37	4.32	4.59	4.56	4.54	4.57	4.54	4.52	4.57	4.53	4.51
	115F(46.1C)	TMBH	43.1	42.7	42.3	40.8	40.2	39.7	38.6	37.8	37.7	45.0	44.9	44.8	43.4	43.2	43.0	42.8	42.3	41.7
		SMBH	26.2	25.4	24.7	33.2	31.7	30.6	38.1	35.8	34.6	29.1	28.6	28.2	40.8	39.7	38.4	42.8	42.3	41.7
		Power	4.72	4.64	4.60	4.70	4.62	4.58	4.68	4.60	4.55	4.82	4.79	4.77	4.81	4.78	4.75	4.80	4.77	4.74
	120F(48.9C)	TMBH	41.7	41.3	41.0	39.5	39.0	38.5	37.4	36.9	36.5	43.3	43.2	43.2	42.0	41.8	41.6	41.6	41.1	40.6
		SMBH	25.6	24.8	24.2	32.5	31.1	30.0	37.4	35.6	34.1	28.2	27.8	27.4	40.0	38.9	37.8	41.6	41.1	40.6
		Power	4.96	4.89	4.85	4.95	4.87	4.83	4.93	4.85	4.81	5.06	5.03	5.01	5.05	5.02	5.00	5.05	5.02	4.99
	125F(51.7C)	TMBH	40.2	39.9	39.3	38.2	37.7	37.3	36.4	36.0	35.4	41.5	41.5	41.5	40.4	40.3	40.1	40.3	39.9	39.4
		SMBH	24.9	24.2	23.3	31.9	30.5	29.4	36.4	35.2	33.6	27.2	26.9	26.5	39.2	38.1	37.0	40.3	39.9	39.4
		Power	5.22	5.15	5.10	5.21	5.13	5.09	5.23	5.12	5.07	5.32	5.29	5.27	5.31	5.28	5.26	5.31	5.28	5.25

Power: Total Unit Input Power (kW)
DR: Depression Ratio
dbE: Entering Air Temperature in ^{0}F

When the entering air dry bulb temperature is other than 80.6^{0}F, adjust the sensible capacity from the table by adding 1.1 x CFM X (1-DR) X (dbE-80.6)

PERFORMANCE DATA (Scroll Unit)

MODEL			RHLH-065TM/RAHM-065MS								
INDOOR TEMP OF			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.14	0.16	0.18	0.14	0.16	0.18	0.14	0.16	0.18
CFM AIR VOL.			1990	1865	1740	1990	1865	1740	1990	1865	1740
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	70.3	69.6	68.8	64.4	63.7	63.1	60.4	59.9	59.3
		SMBH	41.5	40.5	39.4	51.2	49.5	47.8	57.5	55.6	53.6
		Power	4.22	4.16	4.13	4.20	4.15	4.12	4.19	4.14	4.11
	80°F(26.7°C)	TMBH	69.0	68.3	67.5	63.2	62.5	61.9	59.2	58.7	58.1
		SMBH	41.0	40.0	38.9	50.7	49.1	47.4	57.1	55.1	53.1
		Power	4.41	4.35	4.32	4.39	4.33	4.30	4.37	4.32	4.29
	85°F(29.4°C)	TMBH	67.5	66.8	66.1	61.8	61.7	60.6	58.0	57.5	57.2
		SMBH	40.5	39.4	38.4	50.2	48.7	47.0	56.4	54.6	52.8
		Power	4.60	4.55	4.52	4.59	4.53	4.50	4.57	4.52	4.49
	90°F(32.3°C)	TMBH	65.9	65.3	64.6	60.4	59.8	59.1	56.6	56.1	55.6
		SMBH	39.9	38.8	37.8	49.6	48.0	46.4	55.8	53.9	52.0
		Power	4.81	4.76	4.73	4.79	4.74	4.71	4.78	4.72	4.69
	95°F(35.0°C)	TMBH	64.3	63.7	63.0	58.7	58.3	57.7	55.2	54.7	54.2
		SMBH	39.3	38.2	37.2	49.1	47.4	45.8	55.0	53.2	51.4
		Power	5.03	4.98	4.95	5.01	4.96	4.93	5.00	4.94	4.90
	100°F(37.8°C)	TMBH	62.5	62.0	61.4	57.1	56.6	56.1	53.9	53.2	52.6
		SMBH	38.8	37.6	36.5	48.5	46.8	45.2	53.9	52.6	50.8
		Power	5.27	5.22	5.18	5.25	5.20	5.16	5.23	5.18	5.14
	105° F(40.6°C)	TMBH	60.6	60.1	59.5	55.4	54.9	54.6	52.7	51.7	51.1
		SMBH	38.3	37.2	36.1	47.8	46.2	44.6	52.7	51.7	50.1
		Power	5.51	5.46	5.43	5.50	5.45	5.41	5.48	5.42	5.39
	110° F(43.3°C)	TMBH	58.6	58.2	57.6	53.7	53.2	52.7	51.4	50.4	49.5
		SMBH	37.8	36.6	35.6	47.1	45.5	43.9	51.4	50.4	49.3
		Power	5.77	5.72	5.69	5.76	5.71	5.67	5.75	5.69	5.65
	115F(46.1C)	TMBH	56.7	56.3	55.7	51.9	51.4	51.0	49.9	49.0	48.1
		SMBH	37.1	36.0	35.0	46.2	44.8	43.2	49.9	49.0	48.1
		Power	6.04	5.99	5.96	6.03	5.98	5.95	6.02	5.97	5.93
	120F(48.9C)	TMBH	54.7	54.3	54.2	50.0	49.7	48.8	48.4	47.6	46.7
		SMBH	36.4	35.4	34.5	45.6	43.9	42.3	48.4	47.6	46.7
		Power	6.35	6.28	6.25	6.32	6.27	6.22	6.32	6.26	6.22
	125F(51.7C)	TMBH	52.8	52.3	51.8	48.1	47.7	47.3	46.9	46.1	45.3
		SMBH	35.6	34.6	33.6	44.7	43.2	41.7	46.9	46.1	45.3
		Power	6.63	6.57	6.54	6.63	6.57	6.54	6.62	6.57	6.53

Power: Total Unit Input Power (kW)
DR: Depression Ratio
dbE: Entering Air Temperature in ^{0}F

When the entering air dry bulb temperature is other than 80.6^{0}F, adjust the sensible capacity from the table by adding 1.1 x CFM X (1-DR) X (dbE-80.6)

PERFORMANCE DATA (Rotary Units)

MODEL			RHLH-012TO/RAHM-012TR									RHLH-018TO/RAHM-018TR								
INDOOR TEMP °F			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.19	0.21	0.23	0.19	0.21	0.23	0.19	0.21	0.23	0.2	0.22	0.24	0.2	0.22	0.24	0.2	0.22	0.24
CFM AIR VOL.			500	435	360	500	435	360	500	435	360	650	570	485	650	570	485	650	570	485
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	14.0	13.7	13.3	12.9	12.6	12.3	12.0	11.9	11.6	21.5	21.0	20.4	19.7	19.2	18.7	18.4	18.1	17.6
		SMBH	8.3	8.0	7.6	10.2	9.7	9.1	11.4	10.8	10.0	12.6	12.0	11.4	15.2	14.4	13.4	17.0	16.0	14.8
		Power	0.76	0.75	0.75	0.77	0.76	0.75	0.77	0.76	0.75	1.15	1.13	1.12	1.16	1.14	1.13	1.16	1.15	1.14
	80°F(26.7°C)	TMBH	13.6	13.4	13.0	12.5	12.3	11.9	11.7	11.6	11.3	21.0	20.6	20.0	19.2	18.8	18.2	18.0	17.6	17.1
		SMBH	8.2	7.9	7.4	10.1	9.6	8.9	11.2	10.7	9.9	12.4	11.8	11.2	15.0	14.2	13.3	16.8	15.8	14.7
		Power	0.81	0.81	0.80	0.83	0.82	0.81	0.83	0.82	0.81	1.23	1.22	1.21	1.24	1.23	1.22	1.25	1.23	1.22
	85°F(29.4°C)	TMBH	13.3	13.1	12.7	12.2	12.0	11.7	11.5	11.2	11.0	20.5	20.1	19.5	18.7	18.3	17.8	17.5	17.2	16.7
		SMBH	8.1	7.8	7.3	9.9	9.4	8.8	11.1	10.5	9.8	12.2	11.6	11.0	14.8	14.0	13.1	16.6	15.6	14.5
		Power	0.86	0.86	0.85	0.88	0.87	0.86	0.88	0.87	0.87	1.31	1.30	1.29	1.32	1.31	1.30	1.33	1.32	1.30
	90°F(32.3°C)	TMBH	12.9	12.7	12.4	11.9	11.7	11.4	11.1	11.0	10.7	20.0	19.6	19.1	18.3	17.9	17.4	17.0	16.7	16.3
		SMBH	7.9	7.6	7.2	9.7	9.3	8.6	10.9	10.4	9.6	12.0	11.5	10.8	14.6	13.8	12.9	16.4	15.4	14.3
		Power	0.91	0.91	0.90	0.93	0.92	0.91	0.93	0.93	0.92	1.39	1.38	1.36	1.40	1.39	1.37	1.41	1.39	1.38
	95°F(35.0°C)	TMBH	12.6	12.4	12.1	11.6	11.4	11.1	10.9	10.7	10.4	19.5	19.1	18.6	17.8	17.4	16.9	16.5	16.3	15.9
		SMBH	7.8	7.5	7.1	9.6	9.1	8.5	10.7	10.2	9.5	11.8	11.3	10.6	14.4	13.6	12.7	16.2	15.2	14.1
		Power	0.96	0.95	0.95	0.98	0.97	0.96	0.98	0.98	0.97	1.47	1.45	1.44	1.48	1.46	1.45	1.48	1.47	1.46
	100°F(37.8°C)	TMBH	12.3	12.1	11.8	11.3	11.1	10.8	10.6	10.4	10.1	19.0	18.6	18.1	17.3	16.9	16.5	16.1	15.8	15.4
		SMBH	7.6	7.3	6.9	9.5	9.0	8.4	10.6	10.1	9.3	11.6	11.1	10.4	14.2	13.4	12.5	15.9	15.1	13.9
		Power	1.01	1.00	1.00	1.03	1.02	1.01	1.03	1.02	1.02	1.55	1.53	1.52	1.56	1.54	1.53	1.56	1.55	1.53
	105° F(40.6°C)	TMBH	11.9	11.7	11.5	11.0	10.8	10.5	10.4	10.1	9.8	18.4	18.1	17.6	16.8	16.5	16.0	15.7	15.3	15.0
		SMBH	7.5	7.2	6.8	9.3	8.8	8.2	10.4	9.9	9.2	11.4	10.9	10.2	14.1	13.2	12.3	15.7	14.9	13.8
		Power	1.06	1.05	1.05	1.08	1.07	1.06	1.08	1.07	1.07	1.63	1.62	1.61	1.64	1.63	1.61	1.64	1.63	1.61
	110° F(43.3°C)	TMBH	11.6	11.4	11.1	10.6	10.5	10.2	10.1	9.8	9.5	17.9	17.5	17.1	16.2	16.0	15.6	15.3	14.8	14.5
		SMBH	7.3	7.0	6.7	9.2	8.7	8.1	10.1	9.7	9.0	11.2	10.7	10.0	13.9	13.0	12.1	15.3	14.6	13.5
		Power	1.11	1.10	1.10	1.13	1.12	1.11	1.13	1.12	1.12	1.72	1.71	1.70	1.73	1.71	1.70	1.73	1.71	1.70
	115F(46.1C)	TMBH	11.2	11.0	10.8	10.3	10.2	9.9	9.8	9.5	9.3	17.3	17.0	16.5	15.7	15.4	15.1	14.9	14.4	14.0
		SMBH	7.2	6.9	6.5	9.0	8.6	8.0	9.8	9.5	8.9	11.0	10.4	9.8	13.7	12.8	11.9	14.9	14.4	13.3
		Power	1.16	1.16	1.15	1.18	1.17	1.17	1.19	1.18	1.17	1.82	1.81	1.79	1.82	1.81	1.79	1.82	1.81	1.79
	120F(48.9C)	TMBH	10.8	10.7	10.4	9.9	9.8	9.6	9.6	9.3	9.0	16.7	16.4	16.0	15.1	14.9	14.5	14.4	14.0	13.5
		SMBH	7.0	6.7	6.4	8.8	8.4	7.8	9.6	9.3	8.7	10.7	10.2	9.6	13.5	12.6	11.7	14.4	14.0	13.1
		Power	1.22	1.22	1.21	1.24	1.23	1.22	1.24	1.24	1.23	1.93	1.91	1.90	1.93	1.91	1.90	1.92	1.91	1.89
	125F(51.7C)	TMBH	10.4	10.3	10.0	9.5	9.5	9.2	9.3	9.0	8.7	16.0	15.7	15.4	14.5	14.3	14.0	14.0	13.5	13.0
		SMBH	6.9	6.6	6.2	8.7	8.2	7.7	9.3	9.0	8.6	10.5	10.0	9.4	13.2	12.4	11.5	14.0	13.5	12.9
		Power	1.29	1.28	1.27	1.30	1.29	1.29	1.31	1.30	1.29	2.05	2.03	2.02	2.04	2.03	2.01	2.04	2.02	2.00

PERFORMANCE DATA (Rotary Units)

MODEL			RHLH-024TO/RAHM-024TR									RHLH-030TO/RAHM-030TR								
INDOOR TEMP °F			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.19	0.21	0.23	0.19	0.21	0.23	0.19	0.21	0.23	0.2	0.22	0.24	0.2	0.22	0.24	0.2	0.22	0.24
CFM AIR VOL.			790	770	745	790	770	745	790	770	745	890	840	795	890	840	795	890	840	795
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	25.3	25.2	25.1	23.1	23.0	22.9	21.5	21.4	21.4	29.3	29.0	28.8	26.8	26.5	26.3	25.0	24.8	24.6
		SMBH	15.1	15.0	14.8	18.4	18.2	17.9	20.7	20.4	20.1	17.2	16.8	16.5	20.8	20.3	19.8	23.3	22.7	22.1
		Power	1.31	1.31	1.30	1.32	1.32	1.31	1.33	1.33	1.32	1.64	1.63	1.62	1.65	1.64	1.63	1.66	1.65	1.64
	80°F(26.7°C)	TMBH	24.7	24.6	24.5	22.5	22.4	22.3	20.9	20.9	20.8	28.6	28.4	28.1	26.1	25.9	25.7	24.4	24.2	24.0
		SMBH	14.9	14.8	14.6	18.2	18.0	17.7	20.4	20.2	19.8	16.9	16.6	16.3	20.6	20.0	19.6	23.0	22.4	21.9
		Power	1.41	1.40	1.40	1.42	1.41	1.41	1.42	1.42	1.42	1.75	1.74	1.73	1.76	1.75	1.74	1.76	1.75	1.74
	85°F(29.4°C)	TMBH	24.1	24.0	23.8	21.9	21.8	21.7	20.4	20.3	20.2	28.0	27.7	27.5	25.5	25.3	25.0	23.8	23.6	23.4
		SMBH	14.7	14.5	14.3	17.9	17.7	17.5	20.2	20.0	19.6	16.7	16.3	16.0	20.3	19.8	19.3	22.8	22.2	21.6
		Power	1.50	1.50	1.49	1.51	1.50	1.50	1.51	1.51	1.51	1.85	1.84	1.83	1.86	1.85	1.84	1.87	1.86	1.85
	90°F(32.3°C)	TMBH	23.4	23.3	23.2	21.3	21.3	21.2	19.9	19.8	19.7	27.3	27.0	26.8	24.8	24.6	24.4	23.1	22.9	22.8
		SMBH	14.4	14.3	14.1	17.7	17.5	17.2	19.8	19.6	19.4	16.4	16.1	15.7	20.0	19.5	19.1	22.5	21.9	21.3
		Power	1.59	1.59	1.58	1.60	1.59	1.59	1.60	1.60	1.59	1.96	1.95	1.94	1.97	1.96	1.95	1.97	1.96	1.95
	95°F(35.0°C)	TMBH	22.8	22.7	22.6	21.0	20.9	20.9	19.4	19.3	19.1	26.6	26.3	26.1	24.2	24.0	23.8	22.5	22.3	22.1
		SMBH	14.2	14.0	13.9	17.5	17.3	17.0	19.4	19.3	19.1	16.1	15.8	15.5	19.8	19.3	18.8	22.2	21.6	21.1
		Power	1.68	1.68	1.67	1.69	1.68	1.68	1.69	1.69	1.68	2.07	2.06	2.05	2.07	2.06	2.05	2.07	2.06	2.05
	100°F(37.8°C)	TMBH	22.2	22.1	22.0	20.1	20.0	20.0	19.0	18.9	18.7	25.8	25.6	25.4	23.5	23.3	23.1	21.9	21.7	21.5
		SMBH	13.9	13.8	13.6	17.3	17.1	16.8	19.0	18.9	18.7	15.9	15.5	15.2	19.5	19.0	18.5	21.8	21.3	20.8
		Power	1.77	1.77	1.76	1.78	1.77	1.77	1.78	1.77	1.77	2.18	2.17	2.16	2.18	2.17	2.16	2.18	2.17	2.16
	105° F(40.6°C)	TMBH	21.5	21.4	21.3	19.5	19.4	19.4	18.5	18.4	18.2	25.1	24.9	24.7	22.8	22.6	22.4	21.4	21.1	20.9
		SMBH	13.7	13.5	13.4	17.1	16.9	16.6	18.5	18.4	18.2	15.6	15.3	14.9	19.3	18.7	18.2	21.3	21.0	20.5
		Power	1.87	1.86	1.86	1.87	1.87	1.86	1.87	1.87	1.86	2.30	2.29	2.28	2.30	2.29	2.28	2.30	2.28	2.27
	110°F(43.3°C)	TMBH	20.8	20.7	20.6	18.9	18.8	18.7	18.1	17.9	17.8	24.3	24.1	23.9	22.0	21.9	21.7	20.8	20.5	20.2
		SMBH	13.4	13.3	13.1	16.8	16.6	16.4	18.1	17.9	17.8	15.3	15.0	14.6	19.0	18.5	18.0	20.8	20.5	20.1
		Power	1.97	1.97	1.96	1.97	1.97	1.96	1.97	1.97	1.96	2.43	2.42	2.41	2.43	2.42	2.40	2.42	2.41	2.40
	115F(46.1C)	TMBH	20.1	20.0	19.9	18.2	18.1	18.1	17.6	17.5	17.3	23.5	23.3	23.1	21.2	21.1	21.0	20.2	19.9	19.7
		SMBH	13.2	13.0	12.9	16.6	16.4	16.1	17.6	17.5	17.3	15.0	14.7	14.3	18.7	18.2	17.7	20.2	19.9	19.6
		Power	2.08	2.07	2.07	2.08	2.07	2.07	2.08	2.07	2.07	2.57	2.56	2.55	2.56	2.55	2.54	2.56	2.54	2.53
	120F(48.9C)	TMBH	19.4	19.3	19.2	17.5	17.4	17.4	17.1	16.9	16.8	22.6	22.4	22.3	20.4	20.3	20.1	19.6	19.4	19.1
		SMBH	12.9	12.8	12.6	16.3	16.2	15.9	17.1	16.9	16.8	14.7	14.3	14.0	18.4	17.9	17.5	19.6	19.4	19.1
		Power	2.20	2.19	2.19	2.19	2.19	2.18	2.19	2.19	2.18	2.73	2.72	2.71	2.72	2.70	2.69	2.71	2.69	2.68
	125F(51.7C)	TMBH	18.6	18.5	18.5	16.7	16.7	16.6	16.5	16.4	16.3	21.7	21.5	21.3	19.6	19.4	19.3	19.0	18.7	18.5
		SMBH	12.6	12.5	12.3	16.1	15.9	15.6	16.5	16.4	16.3	14.3	14.0	13.7	18.1	17.6	17.1	19.0	18.7	18.5
		Power	2.33	2.32	2.32	2.32	2.32	2.31	2.32	2.31	2.31	2.91	2.89	2.89	2.88	2.87	2.86	2.88	2.86	2.85

MODEL			RHLH-042TO/RAHM-036TR								
INDOOR TEMP °F			80.6° F (27.0°C) DB / 71.0° F (21.7°C) WB			80.6° F (27.0°C) DB / 66.2°F (19.0°C) WB			80.6° F (27°C) DB / 63.0 °F (17.2°C) WB		
			High	Med	Low	High	Med	Low	High	Med	Low
DEPRESSION RATIO			0.19	0.21	0.23	0.19	0.21	0.23	0.19	0.21	0.23
CFM AIR VOL.			1250	1200	1145	1250	1200	1145	1250	1200	1145
OUTDOOR TEMPERATURE	75°F(23.9°C)	TMBH	37.1	36.8	36.6	33.5	33.3	33.1	31.7	31.3	30.9
		SMBH	23.2	22.8	22.4	28.8	28.1	27.4	31.7	31.3	30.9
		Power	1.97	1.96	1.95	1.99	1.99	1.97	2.00	2.00	1.99
	80°F(26.7°C)	TMBH	36.2	36.0	35.8	32.7	32.6	32.4	31.1	30.8	30.4
		SMBH	22.9	22.5	22.1	28.5	27.9	27.1	31.1	30.8	30.4
		Power	2.09	2.09	2.08	2.11	2.11	2.10	2.12	2.12	2.11
	85°F(29.4°C)	TMBH	35.4	35.2	34.9	31.9	31.8	31.6	30.5	30.2	29.8
		SMBH	22.6	22.2	21.8	28.1	27.5	26.8	30.5	30.2	29.8
		Power	2.21	2.21	2.20	2.23	2.23	2.21	2.24	2.24	2.23
	90°F(32.3°C)	TMBH	34.5	34.3	34.0	31.1	30.9	30.7	29.9	29.6	29.2
		SMBH	22.3	21.9	21.4	27.8	27.2	26.4	29.9	29.6	29.2
		Power	2.33	2.33	2.32	2.35	2.35	2.33	2.36	2.35	2.34
	95°F(35.0°C)	TMBH	33.5	33.3	33.1	30.1	30.0	29.9	29.2	28.9	28.5
		SMBH	21.9	21.5	21.1	27.6	26.9	26.2	29.2	28.9	28.5
		Power	2.46	2.45	2.44	2.47	2.47	2.45	2.47	2.47	2.46
	100°F(37.8°C)	TMBH	32.5	32.3	32.1	29.2	29.1	28.9	28.5	28.2	27.9
		SMBH	21.5	21.2	20.7	27.1	26.7	25.9	28.5	28.2	27.9
		Power	2.58	2.58	2.57	2.59	2.59	2.57	2.59	2.59	2.58
	105° F(40.6°C)	TMBH	31.4	31.3	31.1	28.2	28.1	28.0	27.8	27.5	27.1
		SMBH	21.2	20.8	20.3	26.9	26.2	25.6	27.8	27.5	27.1
		Power	2.72	2.71	2.70	2.72	2.72	2.70	2.72	2.72	2.70
	110°F(43.3°C)	TMBH	30.3	30.2	30.0	27.2	27.1	27.0	27.0	26.7	26.4
		SMBH	20.8	20.4	20.0	26.5	25.9	25.2	27.0	26.7	26.4
		Power	2.87	2.86	2.85	2.86	2.86	2.84	2.86	2.86	2.84
	115F(46.1C)	TMBH	29.2	29.1	28.9	26.2	26.1	26.0	26.2	25.9	25.6
		SMBH	20.4	20.0	19.6	26.2	25.6	24.9	26.2	25.9	25.6
		Power	3.02	3.02	3.00	3.02	3.01	3.00	3.02	3.01	2.99
	120F(48.9C)	TMBH	28.1	27.9	27.8	25.4	25.1	24.9	25.4	25.1	24.8
		SMBH	20.0	19.6	19.2	25.4	25.1	24.6	25.4	25.1	24.8
		Power	3.20	3.19	3.18	3.19	3.18	3.16	3.19	3.18	3.16
	125F(51.7C)	TMBH	26.9	26.8	26.6	24.5	24.3	24.0	24.5	24.3	24.0
		SMBH	19.5	19.2	18.7	24.5	24.3	24.0	24.5	24.3	24.0
		Power	3.40	3.39	3.37	3.38	3.37	3.35	3.38	3.37	3.35

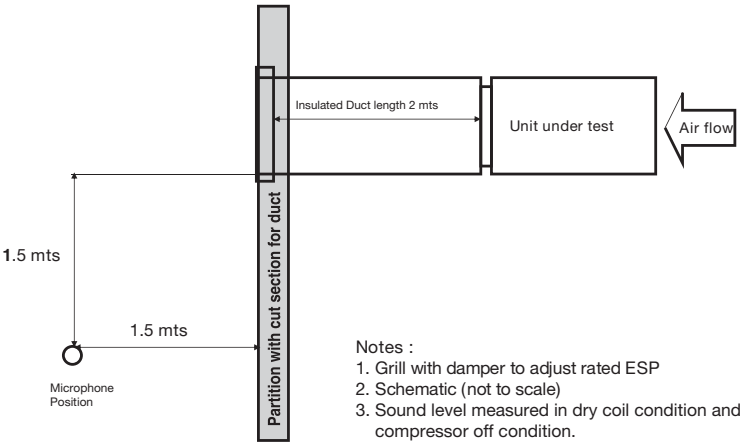
Power: Total Unit Input Power (kW)
DR: Depression Ratio
dbE: Entering Air Temperature in ^{0}F

When the entering air dry bulb temperature is other than 80.6^{0}F, adjust the sensible capacity from the table by adding 1.1 x CFM X (1-DR) X (dbE-80.6)

SOUND LEVEL DATA

Model	Speed	1/1 Octave Sound Pressure (dB, ref 20Pa)								Overall	
		63 Hz	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz	dB	dBA
RHLH-012TO	1	48	48	43	40	36	29	22	15	58	42
	2	54	46	41	39	36	29	22	15	59	41
	3	47	44	40	39	34	28	20	15	57	40
	4	55	45	39	38	34	27	19	15	60	39
	5	49	45	38	38	33	25	18	14	58	39
RHLH-018TO	1	48	45	42	39	36	27	20	15	56	41
	2	49	43	41	38	34	26	18	14	56	39
	3	48	42	40	37	33	25	17	14	55	38
	4	48	42	39	37	33	25	18	14	55	38
	5	44	41	38	36	33	26	18	14	55	38
RHLH-024 TM RHLH-024TO	1	48	50	43	41	35	23	17	14	56	42
	2	50	49	43	41	34	25	19	14	55	41
	3	49	49	42	40	34	24	18	14	55	41
RHLH-030 TM RHLH-030TO	1	51	51	52	49	40	28	21	17	60	49
	2	51	51	51	48	39	31	24	16	59	48
	3	51	50	50	47	38	29	22	16	59	47
	4	51	50	49	46	39	31	24	16	58	46
	5	51	49	48	44	37	29	22	15	58	45
RHLH-036 TM	1	53	57	51	46	42	35	30	21	61	49
	2	51	56	51	45	42	34	30	20	60	48
	3	51	55	50	45	41	34	29	20	60	47
	4	51	54	49	44	41	33	28	19	59	46
	5	49	52	48	43	41	34	29	19	58	46
RHLH-042 TM RHLH-042TO	1	52	53	51	44	42	36	31	21	59	47
	2	50	54	49	44	41	34	29	19	58	47
	3	51	52	48	43	41	34	30	20	59	46
	4	52	51	48	43	40	32	27	18	58	45
	5	52	50	47	42	40	33	28	18	57	45
RHLH-048TM	1	56	61	53	51	45	42	39	29	65	53
	2	54	59	51	49	44	40	36	26	66	51
	3	57	58	49	47	42	39	35	25	67	49
	4	53	56	48	47	41	38	33	23	63	48
	5	53	55	46	45	41	37	33	22	62	47
RHLH-054TM	1	56	61	53	51	45	42	39	29	65	53
	2	54	59	51	49	44	40	36	26	66	51
	3	57	58	49	47	42	39	35	25	67	49
	4	53	56	48	47	41	38	33	23	63	48
	5	53	55	46	45	41	37	33	22	62	47
RHLH-065TM	1	56	59	56	52	46	41	36	29	63	53
	2	55	58	55	51	46	41	36	29	63	53
	3	55	56	53	49	46	43	39	31	62	52
	4	56	56	52	49	45	43	38	30	63	51
	5	54	55	51	48	45	42	37	29	62	51

Sound Testing Arrangement



Notes :
1. Grill with damper to adjust rated ESP
2. Schematic (not to scale)
3. Sound level measured in dry coil condition and compressor off condition.

AIR FLOW PERFORMANCE DATA - RHLH

MODEL	BLOWER MOTOR SPEED	AIR FLOW AND POWER	CFM @ EXTERNAL STATIC PRESSURE (Inches of Water)					
			0	0.1	0.15	0.2	0.3	0.4
RHLH-012TO	5	CFM	455	360	290	-	-	-
		POWER	50	45	40	-	-	-
	4	CFM	510	435	340	-	-	-
		POWER	55	50	45	-	-	-
	3	CFM	575	500	400	-	-	-
		POWER	65	60	50	-	-	-
	2	CFM	675	590	520	-	-	-
		POWER	80	70	60	-	-	-
	1	CFM	795	680	600	-	-	-
		POWER	95	85	80	-	-	-
RHLH-018TO	5	CFM	460	340	-	-	-	-
		POWER	50	40	-	-	-	-
	4	CFM	515	390	310	-	-	-
		POWER	50	45	40	-	-	-
	3	CFM	580	485	360	-	-	-
		POWER	60	50	50	-	-	-
	2	CFM	675	570	435	280	-	-
		POWER	70	65	60	50	-	-
	1	CFM	785	650	560	290	-	-
		POWER	90	80	70	60	-	-
RHLH-024TM RHLH-024TO	3	CFM	890	745	645	425	-	-
		POWER	90	80	70	60	-	-
	2	CFM	925	770	665	450	-	-
		POWER	95	85	75	65	-	-
	1	CFM	955	790	685	470	-	-
		POWER	100	90	80	70	-	-
RHLH-030TM RHLH-030TO	5	CFM	850	750	700	630	460	-
		POWER	120	115	110	105	100	-
	4	CFM	890	795	745	695	520	-
		POWER	130	125	120	115	110	-
	3	CFM	930	840	795	740	585	-
		POWER	140	135	130	125	120	-
	2	CFM	980	890	845	790	640	-
		POWER	150	145	140	135	130	-
	1	CFM	1030	945	900	845	690	-
		POWER	170	160	155	150	140	-
RHLH-036TM	5	CFM	1360	1240	1170	1075	655	-
		POWER	200	170	160	140	100	-
	4	CFM	1440	1300	1225	1125	720	-
		POWER	210	180	170	150	110	-
	3	CFM	1540	1360	1275	1170	750	-
		POWER	220	190	180	160	120	-
	2	CFM	1600	1430	1330	1225	845	-
		POWER	230	200	190	180	140	-
	1	CFM	1680	1490	1400	1290	890	-
		POWER	275	260	250	240	210	-

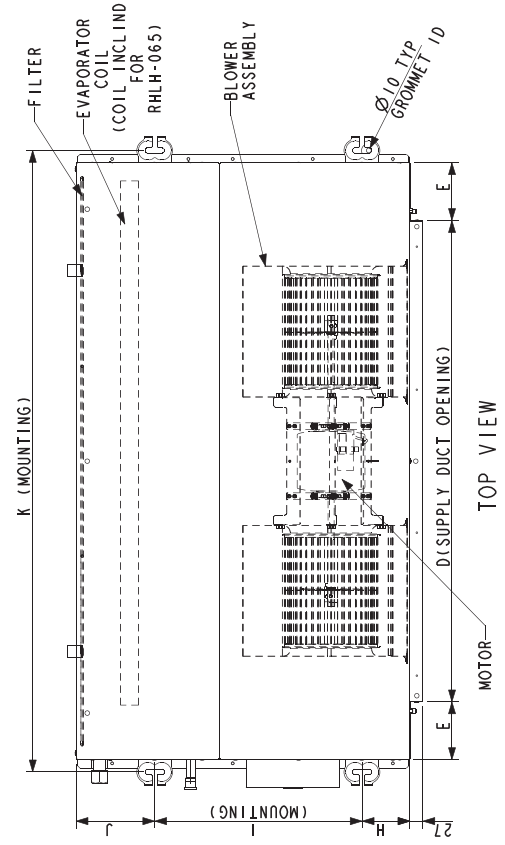
MODEL	BLOWER MOTOR SPEED	AIR FLOW AND POWER	CFM @ EXTERNAL STATIC PRESSURE (Inches of Water)					
			0	0.1	0.15	0.2	0.3	0.4
RHLH-042TM RHLH-042TO	5	CFM	1355	1225	1145	1045	615	-
		POWER	190	160	150	140	95	-
	4	CFM	1420	1280	1200	1100	635	-
		POWER	200	180	165	150	100	-
	3	CFM	1485	1330	1250	1145	705	-
		POWER	210	185	170	160	120	-
	2	CFM	1560	1385	1290	1185	720	-
		POWER	220	190	180	170	130	-
	1	CFM	1635	1455	1355	1235	785	-
		POWER	270	250	240	230	190	-
RHLH-048TM	5	CFM	1250	1220	1195	1150	930	490
		POWER	240	220	215	200	160	110
	4	CFM	1400	1380	1355	1315	1055	565
		POWER	260	250	240	230	180	120
	3	CFM	1550	1525	1495	1450	1190	645
		POWER	300	280	265	250	200	135
	2	CFM	1900	1795	1720	1645	1350	755
		POWER	360	320	300	280	230	160
	1	CFM	2280	2080	1980	1870	1615	1055
		POWER	415	380	360	340	300	245
RHLH-054TM	5	CFM	1250	1220	1195	1150	930	490
		POWER	240	220	215	200	160	110
	4	CFM	1400	1380	1355	1315	1055	565
		POWER	260	250	240	230	180	120
	3	CFM	1550	1525	1495	1450	1190	645
		POWER	300	280	265	250	200	135
	2	CFM	1900	1795	1720	1645	1350	755
		POWER	360	320	300	280	230	160
	1	CFM	2280	2080	1980	1870	1615	1055
		POWER	415	380	360	340	300	245
RHLH-065TM	5	CFM	1710	1680	1650	1590	1320	790
		POWER	335	310	300	285	240	180
	4	CFM	1930	1865	1815	1740	1430	870
		POWER	380	350	340	320	270	200
	3	CFM	2140	2025	1955	1865	1570	950
		POWER	420	385	370	350	300	230
	2	CFM	2350	2185	2095	1990	1705	1030
		POWER	470	440	420	400	360	290
	1	CFM	2500	2300	2190	2070	1780	1090
		POWER	545	520	500	490	450	400

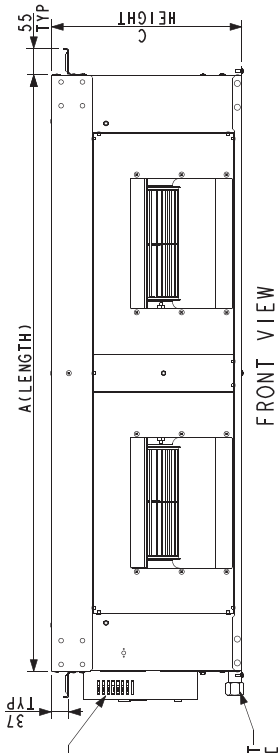
* Air flow at dry coil condition and at standard T1 ambient temperature condition

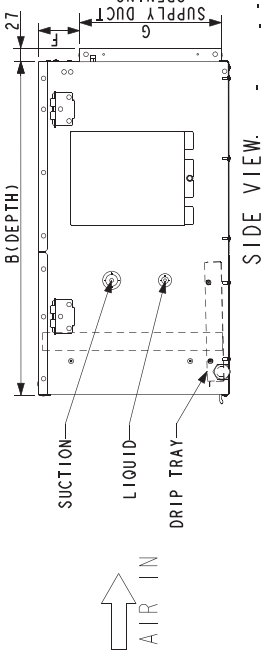
Highlighted speeds are connected from factory.

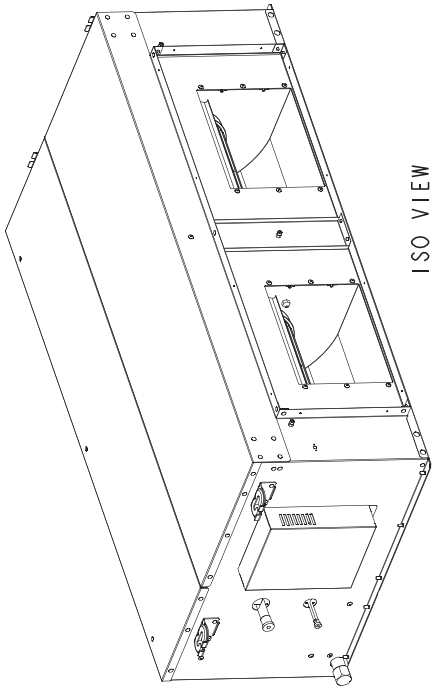
GENERAL ARRANGEMENT DRAWING

Indoor Units.





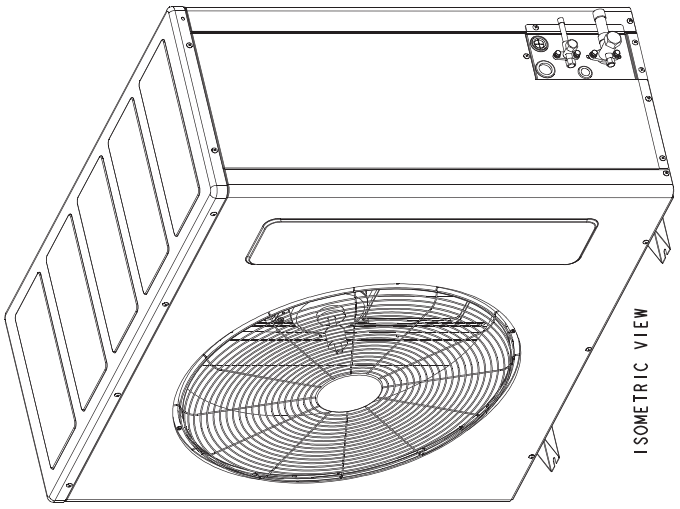


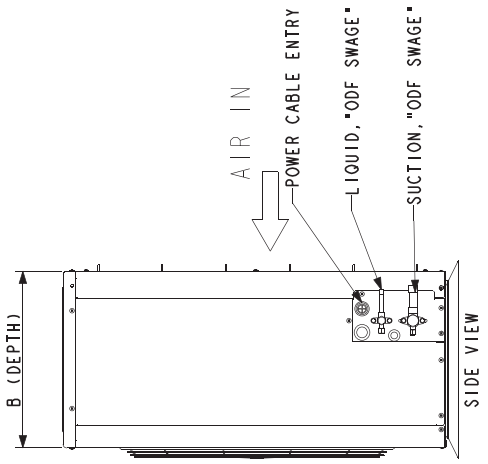


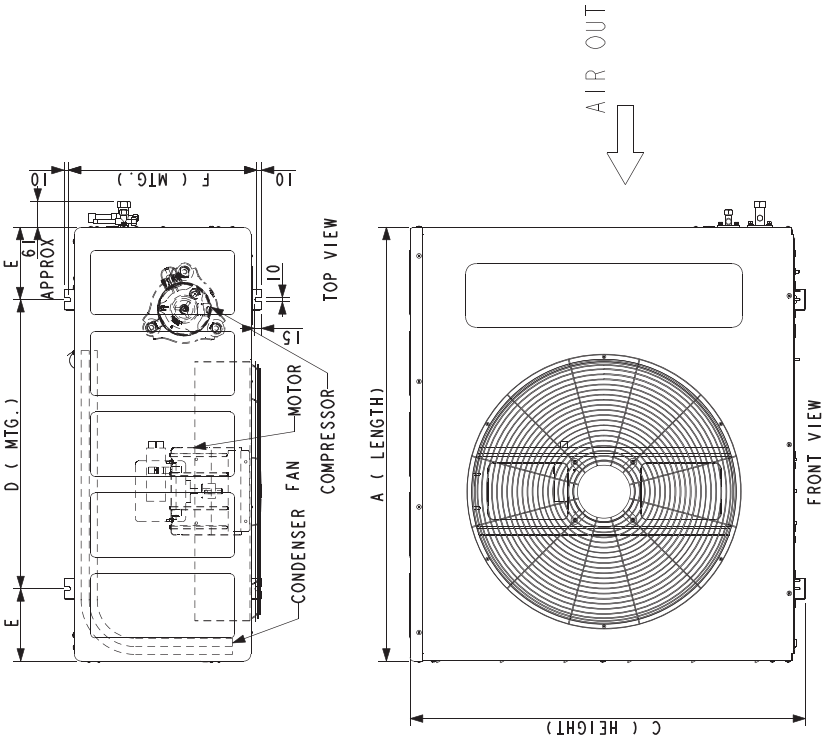
MODEL-T SERIES	A	B	C	D	E	F	G	H	I	J	K	SUC. SIZE	LIQ. SIZE
RHLH-12	977	600	310	815	81	52	242	75	390	135	1304	5/8"	3/8"
RHLH-018	977	600	310	815	81	52	242	75	390	135	1304	3/4"	3/8"
RHLH-024/30	1252	600	310	1010	121	52	242	75	390	135	1304	3/4"	3/8"
RHLH-036/42	1252	700	400	1010	121	87	297	100	435	165	1304	3/4"	3/8"
RHLH-048/54	1652	700	400	1200	226	87	297	100	435	165	1704	7/8"	3/8"
RHLH-065	1652	900	400	1200	226	87	297	126	557	217	1704	7/8"	3/8"

GENERAL ARRANGEMENT DRAWING

Outdoor Units.







MODEL-50Hz	A	B	C	D	E	F	SUCTION CONNECTION	LIQUID CONNECTION	FAN DIA
RAHM-012	850	310	790	595	125	350	5/8"	3/8"	20"
RAHM-018/024/030	850	310	790	595	125	350	3/4"	3/8"	20"
RAHM-036/042	1020	416	960	680	170	445	3/4"	3/8"	24"
RAHM-048	1020	416	960	680	170	445	7/8"	3/8"	24"
RAHM-054/065	1020	416	1045	680	170	445	7/8"	3/8"	26"

PIPE SIZE CHART

Single Stage	Liquid Line Size [mm]	Suction Line Size [mm]	Outdoor Unit ABOVE Indoor Unit											
			Equivelent Length in Meters											
			Condition - A			Condition - B			Condition - C					
			<15	15.5-22.5	23-45	38-45	45-75	75-90	45.5-52.5	53-60	61.5-67.5	68-75	75.5-82.5	83-90
			Maximum Vertical Seperation / Capacity Multiplier											
RAHM-024TS	1/4" [6.35]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	40 / 0.98	N/A	N/A	52.5 / 0.97	N/A	N/A	N/A	N/A	N/A
	5/16" [7.94]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.98	45 / 0.96	45 / 0.95	52.5 / 0.97	58 / 0.97	56 / 0.96	55 / 0.96	52.5 / 0.96	52.5 / 0.95
	3/8" [9.52.5]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.98	45 / 0.96	45 / 0.95	52.5 / 0.97	60 / 0.97	60 / 0.96	60 / 0.96	60 / 0.96	60 / 0.95
RAHM-030TS	1/4" [6.35]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5/16" [7.94]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.97	45 / 0.95	N/A	52 / 0.97	55 / 0.96	50 / 0.95	47 / 0.95	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.97	45 / 0.95	45 / 0.94	52.5 / 0.97	60 / 0.96	60 / 0.95	60 / 0.95	60 / 0.95	60* / 0.94
RAHM-036TS	5/16" [7.94]	5/8" [15.88]	15 / 0.98	22.5 / 0.97	33.5 / 0.97	40 / 0.95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15 / 0.98	22.5 / 0.97	33.5 / 0.97	40 / 0.95	45 / 0.92	45 / 0.91	52.5 / 0.94	60 / 0.93	60 / 0.93	60 / 0.92	60* / 0.92	60* / 0.91
	5/16" [7.94]	3/4" [19.06]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	40 / 0.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4" [19.06]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	40 / 0.98	45 / 0.97	45 / 0.96	52.5 / 0.98	60 / 0.98	60 / 0.97	60 / 0.97	60* / 0.97	60* / 0.96
RAHM-042TS RAHM-042MS	5/16" [7.94]	5/8" [15.88]	15 / 0.98	22.5 / 0.97	33.5 / 0.96	40 / 0.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15 / 0.98	22.5 / 0.97	33.5 / 0.96	40 / 0.93	45 / 0.90	45 / 0.88	52.5 / 0.93	60 / 0.91	60 / 0.90	60 / 0.90	60* / 0.89	60* / 0.88
	5/16" [7.94]	3/4" [19.06]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	40 / 0.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4" [19.06]	15 / 1.00	22.5 / 1.00	33.5 / 0.99	40 / 0.97	45 / 0.97	45 / 0.96	52.5 / 0.96	60 / 0.98	60 / 0.97	60 / 0.97	60* / 0.96	60* / 0.96
RAHM-048MS	5/16" [7.94]	3/4" [19.06]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4" [19.06]	15 / 1.00	22.5 / 0.99	33.5 / 0.99	40 / 0.98	45 / 0.96	45 / 0.95	52.5 / 0.98	60 / 0.97	60 / 0.97	60* / 0.96	60* / 0.96	60* / 0.95
	5/16" [7.94]	7/8" [22.22.5]	15 / 1.00	22.5 / 1.00	33.5 / 1.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	7/8" [22.22.5]	15 / 1.00	22.5 / 1.00	33.5 / 1.00	40 / 1.00	45 / 0.96	45 / 0.95	52.5 / 0.99	60 / 0.99	60 / 0.99	60* / 0.96	60* / 0.96	60* / 0.95
RAHM-054MS	3/8" [9.52.5]	3/4" [19.06]	15 / 0.98	22.5 / 0.97	33.5 / 0.96	40 / 0.95	45 / 0.92	45 / 0.91	52.5 / 0.94	60* / 0.93	60* / 0.92	58* / 0.92	52* / 0.92	47* / 0.91
	1/2" [12.71]	3/4" [19.06]	15 / 0.98	22.5 / 0.97	33.5 / 0.96	40 / 0.95	45 / 0.92	45 / 0.91	52.5 / 0.94	60 / 0.93	60 / 0.92	60 / 0.92	60* / 0.92	60* / 0.91
	3/8" [9.52.5]	7/8" [22.22.5]	15 / 1.00	22.5 / 0.98	33.5 / 0.98	40 / 0.97	45 / 0.96	45 / 0.96	52.5 / 0.97	60* / 0.97	60* / 0.96	58* / 0.96	52* / 0.96	47* / 0.96
	1/2" [12.71]	7/8" [22.22.5]	15 / 1.00	22.5 / 0.98	33.5 / 0.98	40 / 0.97	45 / 0.96	45 / 0.96	52.5 / 0.97	60 / 0.97	60 / 0.96	60 / 0.96	60* / 0.96	60* / 0.96
RAHM-065MS	3/8" [9.52.5]	3/4" [19.06]	15 / 0.98	22.5 / 0.96	33.5 / 0.95	40 / 0.93	45 / 0.90	N/A	52.5 / 0.92	60* / 0.92	55* / 0.91	49* / 0.90	N/A	N/A
	1/2" [12.71]	3/4" [19.06]	15 / 0.98	22.5 / 0.96	33.5 / 0.95	40 / 0.93	45 / 0.90	45 / 0.89	52.5 / 0.92	60 / 0.92	60 / 0.91	60 / 0.90	60* / 0.90	60* / 0.89
	3/8" [9.52.5]	7/8" [22.22.5]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.97	45 / 0.95	N/A	52.5 / 0.97	60* / 0.96	55* / 0.96	49* / 0.95	N/A	N/A
	1/2" [12.71]	7/8" [22.22.5]	15 / 1.00	22.5 / 0.99	33.5 / 0.98	40 / 0.97	45 / 0.95	45 / 0.94	52.5 / 0.97	60 / 0.96	60 / 0.96	60 / 0.95	60* / 0.95	60* / 0.94

Note: This chart is applicable for ODU with scroll compressor only.

Light Gray - (<45m vertical seperation)
Dark Gray
Black

Use Oil Separator and Crank case heater. (Less than 45m vertical seperation)
Use Oil Separator, Crank case heater, Hard Start Kit and Non-bleed TXV.
Not Recommended
* Appications with asterisks (*) require a minimum of 15m vertical seperation.

Condition	Total Equivalent Length	Max. Vertical Seperation
A	3 ~ 45	<33.5
B	50.1 ~ 90	34 ~ 45
C	50.1 ~ 90	45.1 ~ 60

PIPE SIZE CHART

Single Stage	Liquid Line Size [mm]	Suction Line Size [mm]	Outdoor Unit BELOW Indoor Unit										
			Equivelent Length in Meter										
			<15	15.5-22.5	23-30	30.5-37.5	38 - 45	45.5-52.5	53-60	61.5-67.5	68-75	75.6-82.5	83-90
			Maximum vertical Seperation / Capacity Multiplier										
RAHM-024TS	5/16" [7.94]	5/8" [15.88]	15/0.99	21.0/0.99	18/0.98	13.5/0.98	10.5/0.98	6/0.97	3/0.97	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15/0.99	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	18/0.96	15/0.95
	5/16" [7.94]	3/4"[19.06]	15/1.00	21.0/1.00	18/1.00	13.5/1.00	10.5/0.99	6/0.99	3/0.99	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4"[19.06]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.99	18/0.99	15/0.99
RAHM-030TS	5/16" [7.94]	5/8" [15.88]	15/1.00	13.5/0.99	25/0.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15/1.00	22.5/0.99	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.95	24.5/0.94	24.5/0.94	9/0.94	3/0.93
	5/16" [7.94]	3/4"[19.06]	15/1.00	13.5/1.00	25/1.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4"[19.06]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	9/0.98	3/0.98
RAHM-036TS	5/16" [7.94]	5/8" [15.88]	12/09.8	3/0.97	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	5/8" [15.88]	15/0.98	22.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	24.5/0.95	24.5/0.94	24.5/0.93	24.5/0.93	15/0.92	N/A
	5/16" [7.94]	3/4"[19.06]	12/1.00	3/0.99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4"[19.06]	15/1.00	22.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	24.5/0.98	24.5/0.98	24.5/0.98	24.5/0.97	15/0.97	N/A
RAHM-042TS RAHM-042MS	5/16" [7.94]	3/4"[19.06]	10.5/1.00	10/0.99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/8" [9.52.5]	3/4"[19.06]	15/1.00	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.97	24.5/0.96	10/0.96	N/A
	1/2"[12.71]	3/4"[19.06]	15/1.00	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	24.5/09.5
	3/8"[9.52.5]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	10/0.98	N/A
	1/2"[12.71]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	24.5/0.98	24.5/0.98
RAHM-048MS	3/8" [9.52.5]	3/4"[19.06]	15/0.99	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	21.0/0.95	N/A	N/A
	1/2"[12.71]	3/4"[19.06]	15/0.99	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	24.5/0.95	21.0/0.95	18/0.94
	3/8"[9.52.5]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	21.0/0.98	N/A	N/A
	1/2"[12.71]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	21.0/0.98	18/0.97
RAHM-054MS	3/8" [9.52.5]	3/4"[19.06]	15/0.99	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	21.0/0.96	15/0.95	N/A	N/A
	1/2"[12.71]	3/4"[19.06]	15/0.99	22.5/0.99	24.5/0.98	24.5/0.98	24.5/0.97	24.5/0.97	24.5/0.96	24.5/0.96	24.5/0.95	18/0.95	12/0.94
	3/8"[9.52.5]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	21.0/0.99	15/0.98	N/A	N/A
	1/2"[12.71]	7/8"[22.23]	15/1.00	22.5/1.00	24.5/1.00	24.5/1.00	24.5/1.00	24.5/0.99	24.5/0.99	24.5/0.99	24.5/0.98	18/0.98	12/0.97
RAHM-065MS	3/8" [9.52.5]	3/4"[19.06]	15/0.98	22.5/0.98	24.5/0.97	24.5/0.96	24.5/0.96	24.5/0.95	12/0.94	6/0.94	N/A	N/A	N/A
	1/2"[12.71]	3/4"[19.06]	15/0.98	22.5/0.98	24.5/0.97	24.5/0.96	24.5/0.96	24.5/0.95	21.0/0.94	15/0.94	9/0.93	N/A	N/A
	3/8"[9.52.5]	7/8"[22.23]	15/1.00	22.5/0.99	24.5/0.99	24.5/0.98	24.5/0.98	18/0.97	12/0.97	6/0.96	N/A	N/A	N/A
	1/2"[12.71]	7/8"[22.23]	15/1.00	22.5/0.99	24.5/0.99	24.5/0.98	24.5/0.98	24.5/0.97	21.0/0.97	15/0.96	9/0.96	N/A	N/A

Always Use the smallest Liquid Line allowable to keep system charge to a minimum

Areas in light grey shade requires long line set application (Use Oil Separator, Crank case heater, Hard Start Kit and Non-bleed TXV).

Do not use line sets in areas shaded in Dark Grey

Vertical separation cannot Exceed 24.5 meter of length.

Note: This chart is applicable for ODU with scroll compressor only

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