



engineered for life™



# Century Comfort.

## Ducted Inverter Series



18k - 60k capacity

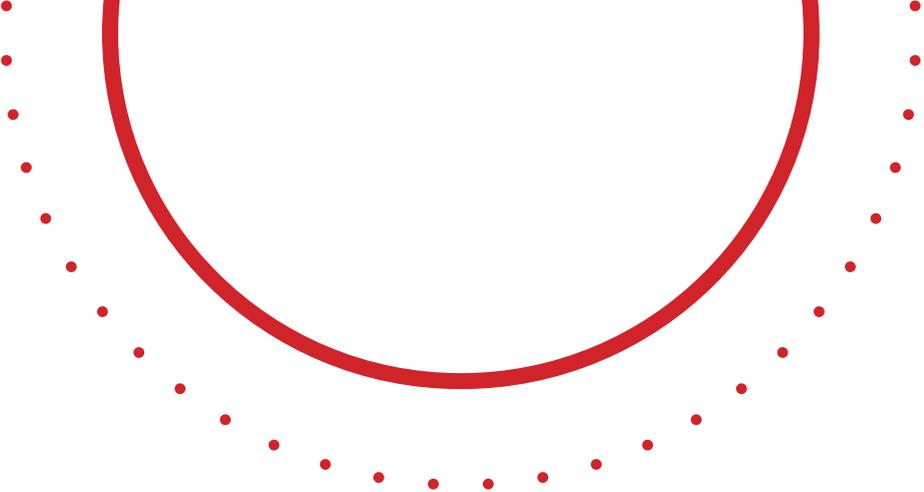




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# Global Presence

**For 100 years, Rheem has pioneered innovative air conditioning and water heating solutions.**

Our journey began in 1925, as a small family business based in Arkansas, USA. Since then, we have evolved into a global symbol of trust and quality within the industry, having our headquarters in Atlanta.

While the company has produced a number of products in its 100 years of operation, Rheem is currently the only manufacturer in the world that produces heating, cooling, water heating, pool and spa heating and commercial refrigeration products, and it is the largest manufacturer of water heating products in North America.

From industry-leading technologies to next-generation energy efficiencies, Rheem has been a pioneer in developing some of the most innovative advancements in heating, cooling and water heating. With a long list of award-winning solutions, Rheem continues to deliver advanced comfort, savings and experience to our customers just as we've done for nearly 100 years.

We are committed to making a difference with the products we create for the people we serve, and for the planet we call home.





**11** R&D Centres

**13** Rheem  
Business Offices

**23** Manufacturing  
Facilities

**14K+** Employees

**50+** Global Air &  
Water Brands

**88** Countries  
of Coverage



Air Conditioners  
**RVBG-RIBG Series**

# Middle East & Africa Regional Presence.

Rheem MEA established its Dubai office in 2012, marking a significant milestone in expanding the brand's regional presence. Since then, the Dubai office has served as the central hub for operations, sales, and customer support across the Middle East and Africa, reinforcing Rheem's commitment to delivering innovative and energy-efficient heating, cooling, and water solutions to the region.

In 2020, Rheem established its Innovation and Learning Centre (ILC) in Dubai, UAE. This cutting-edge facility serves as a dynamic platform for training, conferences, and workshops, leveraging advanced technology to provide an immersive learning experience.

HVAC and plumbing professionals, engineers, and other industry stakeholders gain first-hand insights into Rheem's extensive range of residential and commercial HVAC systems and water heating solutions.

Rheem MEA achieved a significant milestone in 2021 with the inauguration of its state-of-the-art manufacturing hub in Dubai, UAE, solidifying its presence in the GCC and enhancing its global footprint.

This advanced facility specialises in producing high-quality HVAC solutions, including packaged air conditioning systems designed to cater to diverse requirements and budgets.





Innovation & Learning  
Centre in Dubai, UAE

As a testament to Rheem's commitment to excellence and sustainability, the Dubai manufacturing hub plays a pivotal role in delivering reliable, energy-efficient solutions to customers across the Middle East and Africa.

Further expanding its regional presence, Rheem inaugurated its largest ILC in Riyadh, KSA, in 2024. Serving as the company's regional headquarters, this flagship facility underscores Rheem's commitment to fostering innovation, knowledge-sharing, and excellence in the HVAC industry.

Rheem operates in more than 80 countries worldwide and has a strong presence across the Middle East and Africa, including the UAE, Saudi Arabia, Kuwait, Qatar, Bahrain, Oman, Egypt, Iraq, and Nigeria. We are also continuing to expand further into Africa, with growing operations in Morocco, South Africa, and beyond.

## Our Regional Presence



# R32



## Smart Cooling Powered by R32

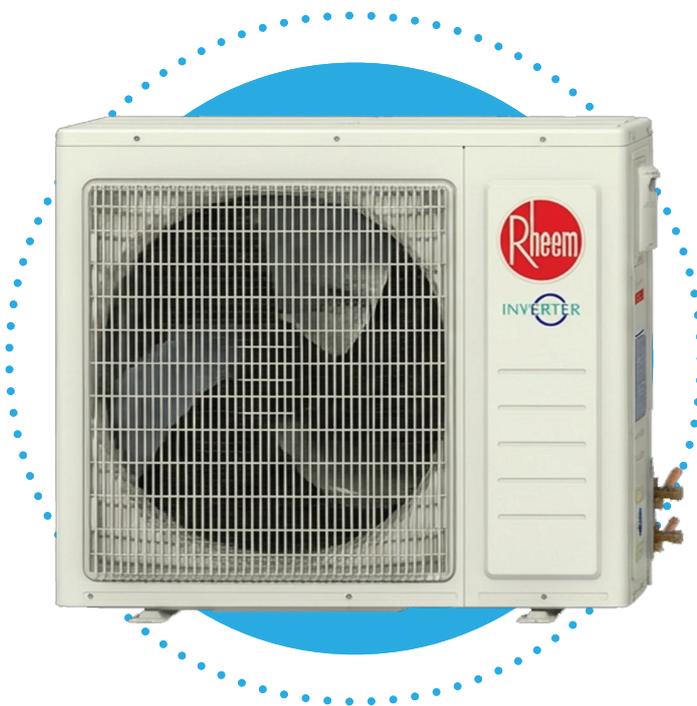
This air conditioner uses R32 refrigerant, a modern cooling gas that's more efficient and kinder to the environment. R32 helps your home cool faster while using less energy, and it produces fewer emissions than older refrigerants. It's an important step toward cleaner, more sustainable comfort for you and your family.

# In everything we do, we integrate sustainability.



## 2035 goals

### Century Comfort Ducted Inverter



#### SUSTAINABLE PACKAGING

Achieve an average of 90% reusable, recyclable, or compostable packaging OR at least 50% recycled content in product packaging<sup>3</sup>

#### 10% WASTE REDUCTION

Reduce global waste intensity (ton/unit) by 10%<sup>5</sup>

#### ZERO WASTE TO LANDFILL

Maintain zero waste to landfill (ZWTL) at all factories and on-board new acquisitions<sup>4</sup>

#### 1M+ TRAININGS

Complete 1 million trainings for plumbers, contractors, and key influencers globally on sustainable products, refrigerant management and / or sustainable best practices

## Working Toward A Greater Degree of Good™

Building upon the strong foundation set in 2019, our next generation of sustainability takes the familiarity of the original framework and simplifies it into Products, Process and People. These pillars provide a north star, helping us focus on innovating products with higher efficiency, manufacturing them in a process that reduces our direct use of resources, and supporting the people that recommend and install in homes and business around the globe.

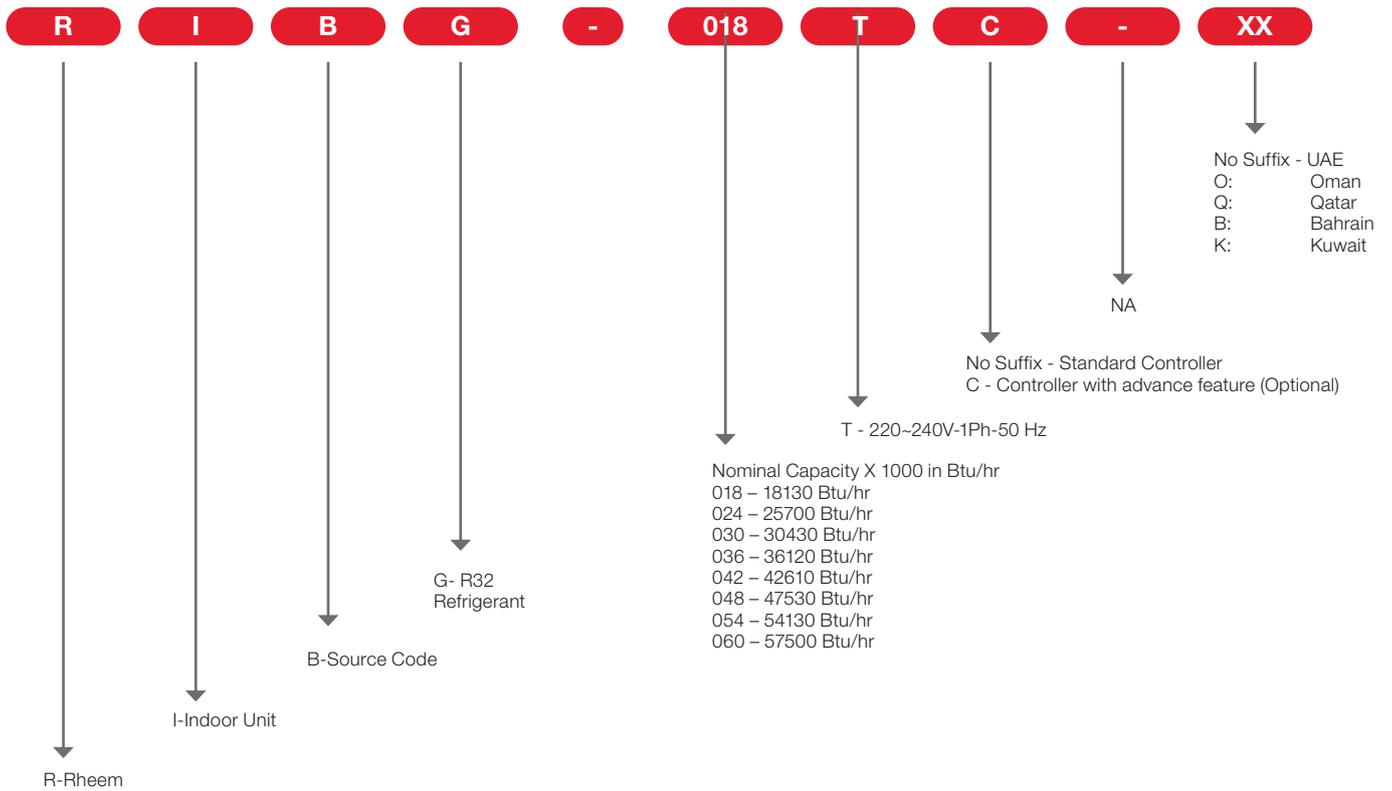
1. Rheem's goal is to reduce greenhouse gas emissions by 30% by 2035 from a 2023 baseline. This metric will be based on intensity emissions normalized by revenue and includes Scopes 1-3 as defined by the Greenhouse Gas Protocol. At this time, these figures have not been independently verified by a third party.
2. Rheem measures reusable, recyclable, compostable, and recycled content in line with ISO and FTC standards. At this time, these figures have not been independently verified by a third party.
3. A Rheem plant is considered to have reached Zero Waste to Landfill when it achieves a rate of at least 90% diversion of nonhazardous solid waste away from landfill, waste-to-energy (WTE), and incineration, in line with the Zero Waste International Alliance standards and TRUE Zero Waste standards. At this time, these figures have not been independently verified by a third party.
4. Rheem measures waste intensity as a ratio of total weight of non-hazardous waste generated across all manufacturing facilities to total units produced from a 2023 baseline. At this time, these figures have not been independently verified by a third party.



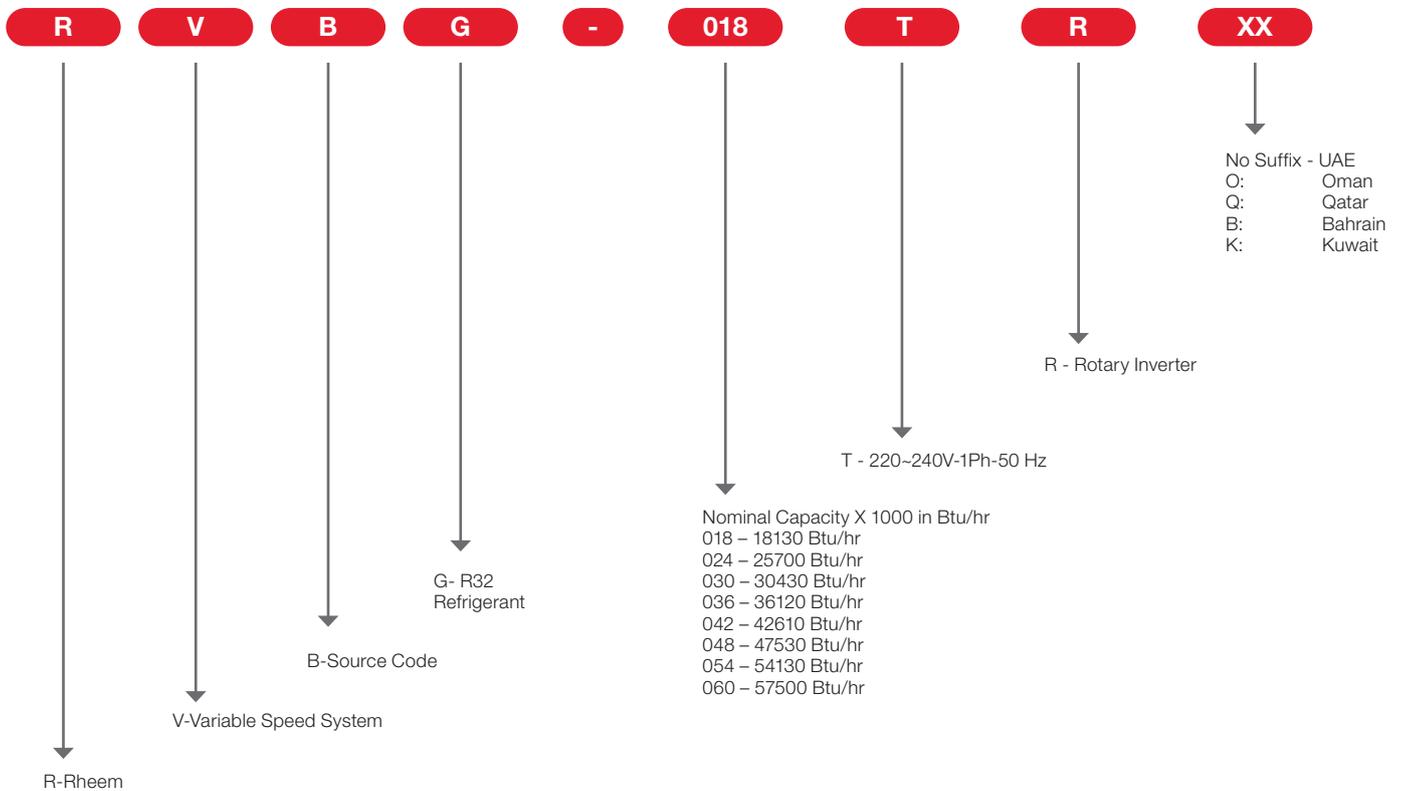
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# Nomenclature.

## Indoor Unit

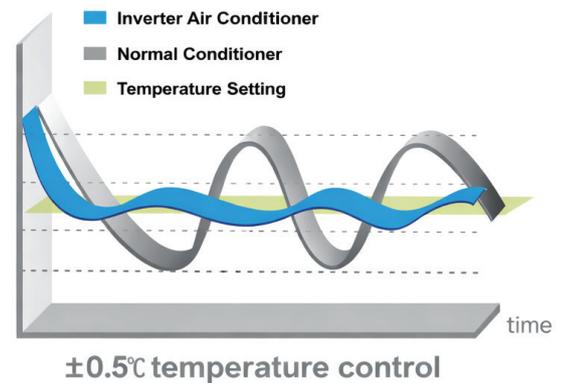


## Outdoor Unit



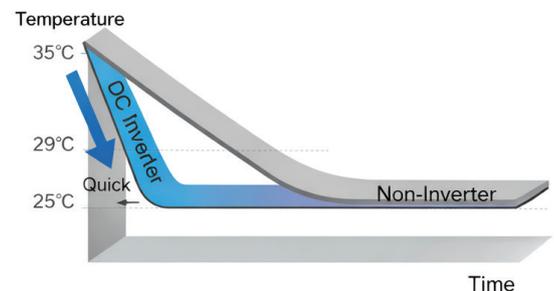
# What is an Inverter Air Conditioner & How does it work?

A conventional air conditioner or so called ON/OFF or non inverter unit operates at a fixed speed. It delivers a fixed amount of cooling or heating capacity based on the fixed speed of the compressor. Irrespective of the temperature difference between set and actual, compressor runs at full speed and delivers a fixed capacity. Once room set temperature is achieved compressor has to stop completely and again re-start after actual temperature goes above the one set. This cycle of ON/OFF continues and room temperature goes up and down in a sinusoidal wave form continuously. An Inverter air conditioner on the other hand uses a DC inverter compressor. A DC inverter is an advanced technology used in the air conditioning industry to achieve higher degree of user comfort and to save more energy from the air conditioner. DC Inverter compressors can increase or decrease the compressor speed and hence deliver the cooling based on requirement of the space to be air conditioned. Rheem's Inverter air conditioners comes with a smart intelligent control which can identify the cooling requirement in the room automatically and adjust the compressor speed accordingly. In addition to adjustable speed compressor, Rheem uses an electronic expansion valve.



## Faster Cooling

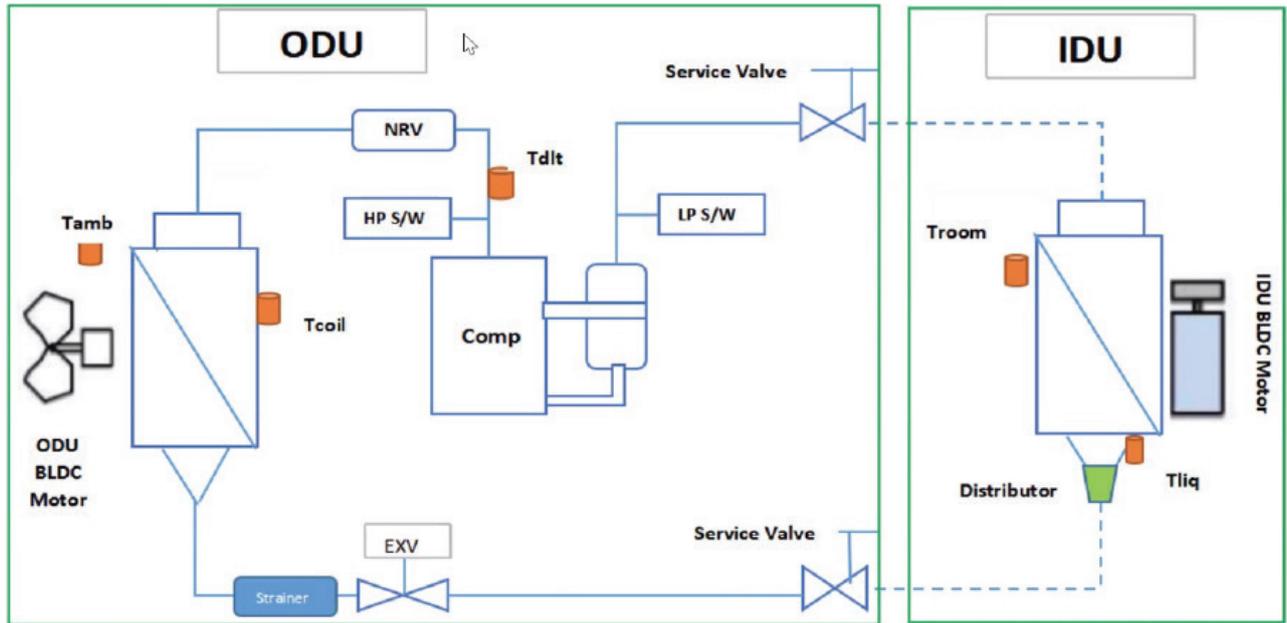
In addition to the adjustable DC inverter compressor, Rheem also uses a smart electronic expansion valve (EEV). The EEV is controlled by the intelligent controller to maintain the correct refrigerant mass-flow rate based on the cooling demand. It operates in 500 steps, and the controller sends precise signals to adjust the valve opening as needed. By controlling both the inverter compressor speed and the EEV opening at the same time, the system delivers faster cooling and more accurate temperature control. This also greatly reduces energy consumption compared to a fixed-speed air conditioner. Any sudden change in room temperature is detected by the smart controller, and the inverter system adjusts automatically to maintain the set temperature.



## Additional Advantages of Rheem Inverter technology

- ✓ Lower Running Cost resulting in lower energy bills
- ✓ High Reliability
- ✓ Precise Temperature Control
- ✓ Faster Cooling
- ✓ Better Humidity Control
- ✓ Quiet Operation
- ✓ Low Starting Current

# What makes the Rheem Inverter special?



Rheem's inverter system includes several additional protection features and multiple pressure and temperature sensors. These sensors help the smart controller adjust the compressor speed and maintain a consistent room temperature. They also improve the reliability of the compressor and the overall system by continuously monitoring key operating parameters.

The available system protections include the following:



## System Protections

- ✓ High Pressure Protection
- ✓ Low Pressure Protection
- ✓ Frozen Coil Protection
- ✓ High Discharge Temperature Protection
- ✓ High Condensing Temp Protection
- ✓ IPM Protection for Drive
- ✓ Over Current Protection
- ✓ Over Load Protection

**“Refrigerant Cooled”**  
Drive for better cooling at high ambient and reliability

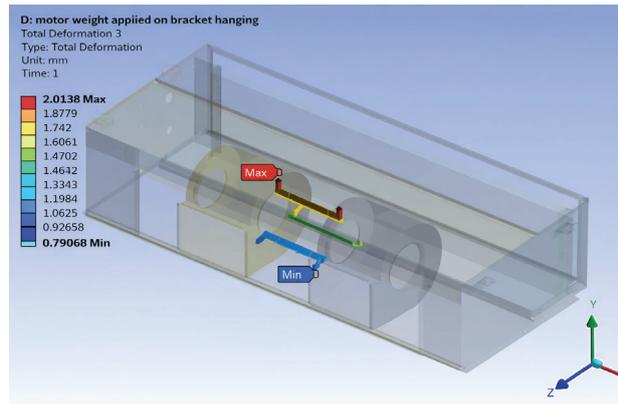
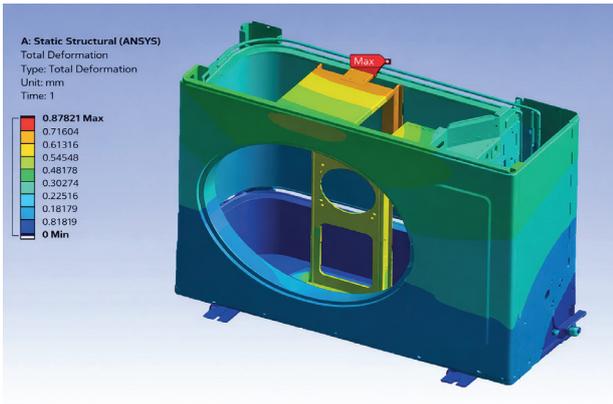
Rheem Inverter units use special liquid PCB cooling technology. The PCB is well cooled by the liquid refrigerant ensuring that the system operates steadily even at high ambient conditions in the GCC area.

By cooling down the PCB through the refrigerant it is ensured that the frequency limit of the inverter compressors is relaxed so that the output capacity of the unit will be higher than conventional inverter products during high ambient situations.

## Structural Design Validation

Rheem's Inverter system is specially designed using CFD analysis to ensure maximum air flow and minimum pressure drop. This robust design makes the system function efficiently even under higher ambient conditions as well as low ambient conditions. System design and component design by CFD analysis helps reducing the overall vibration level and noise level of the unit. This also provides a high structural strength and robustness to the unit.

The heat exchanger compartments are designed to ensure uniform air flow without any obstruction. This ensures efficient heat exchange and results in high efficiency. The copper tubes are inner grooved for high heat transfer. Specifically designed louver fins enhance the performance by around 6~7%



## Finite Elements Analysis

Rheem's Ducted system is fitted with Inverter compressors run at various compressor speeds to regulate capacities to suit actual load requirements.

These variations in speed result in vibration of the copper pipe fittings. Hence, it is important to have a reliable and tested piping load design in the outdoor unit. In the Rheem's Ducted Inverter series, piping layers are created using Finite Element Analysis (FEA). This ensures reliability and trouble free performance under various load conditions.

Above scientific design methods followed by the detailed testing makes Rheem's Ducted Inverter system more robust, reliable and trustworthy to sustain in high ambient environment of the GCC.

## Compressor Oil Management

When the compressor operates continuously at low speed for an extended period (30 minutes), oil circulation within the system may reduce. To prevent oil accumulation outside the compressor, the controller automatically initiates an oil return cycle.

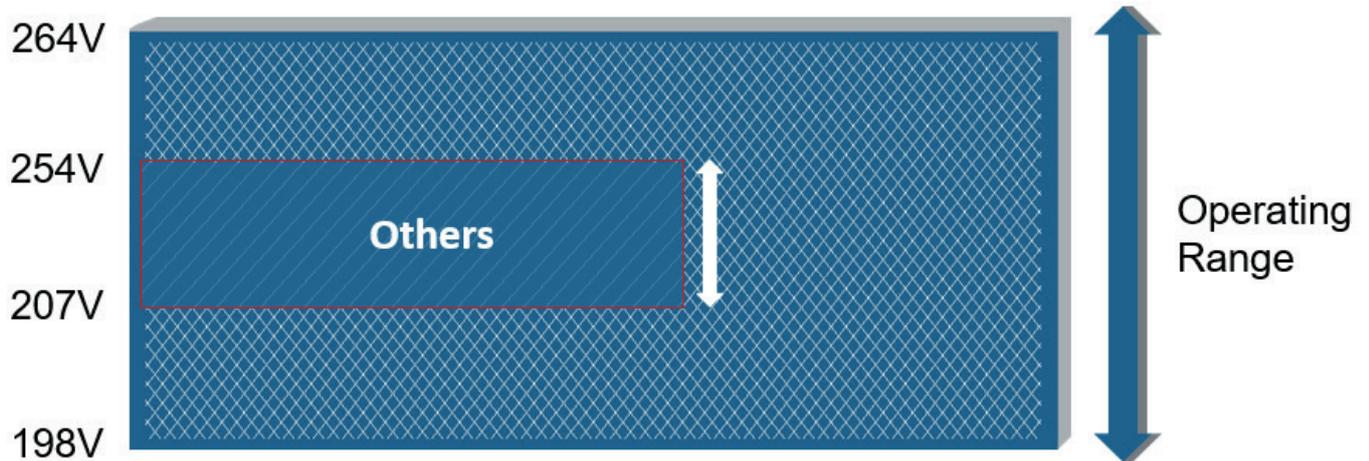
During this cycle, the compressor oil management logic is activated for approximately 2 minutes, allowing accumulated oil to be efficiently returned to the compressor. This ensures proper lubrication of critical components, maintains stable performance, and minimizes wear over time.

This smart oil management strategy enhances system reliability, protects the compressor under part-load operation, and contributes to extended service life.



## Wide Operating Range - 1PH

Considering most of the Air Conditioning systems operate inefficiently or shutdown during the voltage fluctuations, Rheem's Ducted Inverter range is designed to operate across a wide voltage range from 207V to 254V for single phase units and 357V to 440V for all three phase units. Resulting in high uptime even in such an erratic power conditions.



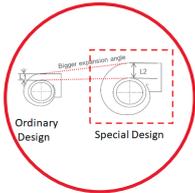
# Engineering Features.

## Indoor Units



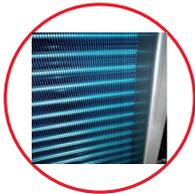
### Cabinet:

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



### Silent Operation:

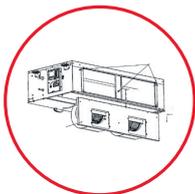
The motor & fans are designed to achieve performance by running at lower RPM to reduce tip speeds for extremely silent operation. Motors used in the units are 6 pole. The fans are designed to operate at lower blower outlet & coil face velocity for quiet & highly efficient operation of units.



### Evaporator Coil :

Coils are constructed with inner helical grooved copper tubes (IGT) & aluminium fins. Fins are mechanically bonded to the tubes for maximum transfer capabilities. Coated highly corrosion resistant aluminium fins are provided as standard features in all the units. Specifically designed louvred indoor fins for increased heat transfer Computer aided CFD analysis so that air flow is uniformly distributed across the coil for better cooling.

Hydrophilic Blue Fin technology offers several key advantages. Water droplets do not stick to the fin surface and fall away easily, reducing pressure drop across the coil and increasing airflow. Because water does not cling to the fins, the chances of water carry-over are minimal, and CFM drop remains low across a wide range of ESP conditions. Blue Fin coating also provides enhanced corrosion resistance, giving the unit a longer service life.



### Service Access:

Removable panels at the bottom of the unit are provided for service access to blower housing, motors & expansion device. Entire fan and motor section assembly can be separated from the cabinet by opening special 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 provides 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).



### Motor:

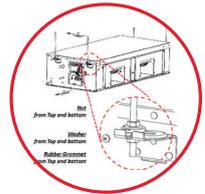
The indoor unit is equipped with a high-efficiency BLDC motor, designed to deliver precise airflow control and improved energy efficiency. The BLDC motor enables multiple speed operation, allowing the unit to adjust airflow accurately based on static pressure.



### Drain Pan:

The 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 is easily removable from the bottom and can be cleaned or serviced easily for better hygiene.



### Filters:

5mm thick woven synthetic, permanent washable filters are standard on all units. provision for fixing 1/2" thick field supplied filters is a standard feature on all the units.



### Insulation:

Irradiated grade EPE, fire retardant, odour free material for thermal, hygiene and acoustic application.



### 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.

**Low Height:**

Height is 310 to 400 mm. Allows for horizontal installation in most standard or replacement work.

**Blower Housing:**

Double inlet orifice, a profile to give advantage in low noise, high efficiency and uniform air flow.

**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.

**Riveted Panels:**

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

**Provision For Direct Duct Connection:**

Flanges are provided on the front of units for easy duct connections at the site, suitable to connect a flexible duct.

**Drain Pan Cleaning:**

The construction of the 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.

**Antifreeze Protection For Coil:**

Antifreeze temperature sensor is provided on coil against freezing during abnormal operating conditions.

**Unit Suspension:**

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



## Outdoor Units



### Compressor:

Compressor used in the units is hermetically sealed Rotary type Inverter 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.

The compressors are coming with a wide operating range of 10~120 rps, varies the cooling capacity to great extent based on the available room load. Coils are constructed with inner grooved copper tube (IGT) & aluminium fins mechanically bonded to the tubes for maximum heat transfer capabilities.



### Condenser Fan Motor:

Internally protected, totally enclosed and permanently lubricated type motors are tested for high ambient operation.



### Fan:

Condenser fan blades ensure safety & high durability. Suitable for operation in high ambient temperature and heavy wind pressure.



### 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 add sturdiness.



### Pre-charged:

Every unit is factory charged and run tested before shipment.



### Fan Guard:

Wire guard conforms to IEC safety standard & high durability.



### 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 a separate compartment of the cabinet providing for easy access through service panel.



### Condenser Coil:

Coils are constructed with inner grooved copper tube (IGT) & aluminium fins mechanically bonded to the tubes for maximum heat transfer capabilities.



### Pressure Cut-Outs:

High Pressure and Low Pressure safety controls are a standard feature on all the models.



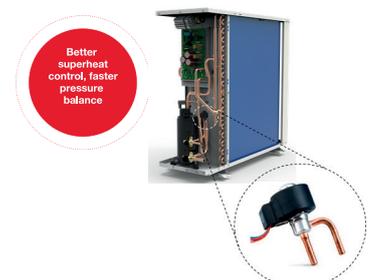
### Electronic Expansion Valve

The units are designed with an electronic expansion valve for a smart and accurate control of the cooling based on cooling demand.

To perform real time control of the refrigerant supplied to the compressor through EXV adjustments to give precise comfort to the user.

EXV provides stepless control over 500 steps which is decided by the controller automatically.

Bleed type EXV helps in faster balancing the pressure to reduce the start-up load on the compressor.



# PHYSICAL & ELECTRICAL DATA

TABLE FOR TECHNICAL DATA										
AIR HANDLING UNIT MODEL				RIBG-018T	RIBG-024T	RIBG-030T	RIBG-036T	RIBG-042T	RIBG-048T	RIBG-054T
CONDENSING UNIT MODEL				RVBG-018TR	RVBG-024TR	RVBG-030TR	RVBG-036TR	RVBG-042TR	RVBG-048TR	RVBG-054TR
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	26.7 DB / 19.4 WB °C (AHRI CONDITION)	CAPACITY FULL LOAD	18130	25700	30000	38120	42610	47530	54130
			POWER	1410	1910	2320	3100	3380	3830	4360
			EER	12.86	13.46	12.93	12.30	12.61	12.41	12.42
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	27 DB / 19 WB °C	CAPACITY FULL LOAD	18130	25700	30430	38120	42610	47530	54130
			POWER	1410	1910	2340	3100	3380	3830	4360
			EER	12.86	13.46	13.00	12.30	12.61	12.41	12.42
AMBIENT TEMP 46 °C	EVAP ENTERING AIR TEMP.	29 DB / 19 WB °C	CAPACITY FULL LOAD	17040	23630	29750	33560	38890	43530	48400
			POWER	1790	2390	3250	3730	4180	4730	5350
			EER	9.52	9.89	9.15	9.00	9.30	9.20	9.05
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	27 DB / 19 WB °C	CAPACITY HALF LOAD	8860	12500	15720	18850	21440	24410	26740
			POWER	500	660	830	1060	1210	1400	1540
			EER	17.72	18.94	18.94	17.78	17.72	17.44	17.36
RATED COOLING SEASONAL PERFORMANCE FACTOR (CSPF) AT T3			(W/W)	4.80	5.00	5.00	4.70	4.70	4.60	4.60
COOLING SEASONAL ENERGY CONSUMPTION (CSEC) AT T3			KWH	1914	2497	3157	3818	4411	5023	5613
AIR FLOW PERFORMANCE (DRY COIL)	LOW		CFM	490	750	1070	980	1210	1130	1180
	MED			610	830	1220	1090	1360	1170	1380
	HIGH			660	920	1340	1190	1650	1640	1720
SOUND PRESSURE LEVEL@RATED STATIC	LOW		dBa	29.5	34.6	38.2	36.8	38.0	37.6	42.0
	MED			31.0	36.2	40.0	38.2	39.9	41.8	43.2
	HIGH			31.7	37.7	41.3	39.4	44.1	45.3	46.2
RATED EXTERNAL STATIC PRESSURE (ESP)			IN (PA)	0.1 (25)	0.1 (25)	0.15 (37)	0.15 (37)	0.15 (37)	0.2 (50)	0.2 (50)
NUMBER OF COMPRESSORS			NOS.	1	1	1	1	1	1	1
NUMBER OF REFRIGERANT CIRCUIT FOR AHU			NOS.	1	1	1	1	1	1	1
EXPANSION DEVICE/REFRIGERANT			TYPE	ELECTRONIC EXPANSION VALVE/ R32						
ELECTRICAL DATA	POWER SUPPLY RATED	AIR HANDLING UNIT	VOLT / HZ / PH	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
		CONDENSING UNIT		220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
	POWER INPUT RATED	AIR HANDLING UNIT	KW	0.05	0.10	0.14	0.14	0.21	0.23	0.27
		CONDENSING UNIT		1.36	1.81	2.20	2.96	3.18	3.60	4.09
	CIRCUIT BREAKER SIZE (IDU+ODU)	AIR HANDLING UNIT+ CONDENS- ING UNIT	AMPS	16	25	25	32	40	50	50
		AIR HANDLING UNIT		AMPS	0.5	0.9	1.2	1.2	1.7	1.9
	FULL LOAD CURRENT RATED CONDI- TION T1	CONDENSING UNIT	5.6		7.5	9.0	12.3	13.0	14.8	16.9
		AIR HANDLING UNIT		SQ. FT	2.7	3.6	4.5	4.5	5.1	5.1
	CONDENSING UNIT		6.2		7.1	7.1	9.1	9.2	9.2	11.9
	NO OF FANS	AIR HANDLING UNIT		NOS.	2	2	2	2	2	2
CONDENSING UNIT		1	1		1	1	1	1	1	
UNIT DIMENSION (W*H*D)	AIR HANDLING UNIT		MM	977*310*500	1250*310*500	1250*400*600	1250*400*600	1400*400*600	1400*400*600	1400*400*600
	CONDENSING UNIT		MM	870 *695*310	930*755*330	930*755*330	900*925*350	1020*930*416	1020*930*416	1020*1042*416
NET WEIGHT	INDOOR UNIT		KG	27	35	40	45	50	53	53
	OUTDOOR UNIT		KG	35	40	45	65	72	78	95

- Note:
- 1.Specifications are subject to change without prior notice due to continuous product development.
  - 2.Sound pressure levels are measured in a noise-measuring chamber designed in accordance with ISO 3745 standard. Actual sound levels may vary depending on ambient temperature and actual installation conditions.
  - 3.The standard interconnecting pipe length is 7.5 meter and the elevation difference between the outdoor and indoor unit is zero.

# ENGINEERING FEATURES

**TABLE FOR TECHNICAL DATA**

AIR HANDLING UNIT MODEL				Unit	RIBG-018T	RIBG-024T	RIBG-030T	RIBG-036T	RIBG-042T	RIBG-048T	RIBG-054T
CONDENSING UNIT MODEL					RVBG-018TR	RVBG-024TR	RVBG-030TR	RVBG-036TR	RVBG-042TR	RVBG-048TR	RVBG-054TR
AMBIENT TEMP 35 °C	EVAP ENTERING AIR TEMP.	27 DB / 19 WB °C	COOLING MIN - MAX	TMBH	8.7 ~ 22.8	12.1~27.4	15.3~38.2	18.3~44.0	20.8~53.6	23.7~59.5	26.0~64.6
				SMBH	8.7 ~ 16.2	12.1~22.0	14.7~29.2	18.3~33.5	20.8~40.6	23.5~42.1	26.0~44.9
	24.4 DB / 17.2 WB °C	COOLING MIN - MAX	TMBH	8.5~21.5	11.8~25.7	14.9~37.0	17.8~43.1	20.2~50.8	23.0~56.2	25.3~61.0	
			SMBH	8.5~15.5	11.8~20.6	14.3~28.5	17.8~33.1	20.2~38.7	22.8~40.3	25.3~43.1	
AMBIENT TEMP 46 °C	EVAP ENTERING AIR TEMP.	24.4 DB / 17.2 WB °C	COOLING MIN - MAX	TMBH	7.8~18.0	10.9~23.2	13.7~28.4	16.4~33.2	18.7~40.6	21.3~44.2	23.3~50.0
				SMBH	7.8~13.7	10.8~19.7	13.1~25.2	16.3~28.9	18.6~33.8	21.0~35.5	23.2~38.3

Note: Capacity is derived and Actual performance may vary based on standard tolerance

\* Performance at Rated condition

\* Maximum and Minimum cooling is based on the maximum and minimum running speed of the compressors

# PERFORMANCE TABLE

RIBG-018T/RVBG-018TR																								
Fan Speed	Air Flow @ Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19				
					DBT °C	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27
Low	490	25	Total	MBH	16.73	16.79	16.82	16.87	16.75	17.25	17.29	17.34	17.38	17.39	17.75	17.82	17.88	17.91	17.96	18.30	18.36	18.39	18.47	18.51
			Sens	MBH	10.84	12.35	13.85	15.36	16.57	10.09	11.58	13.08	14.57	16.06	9.33	10.82	12.32	13.80	15.31	8.56	10.06	11.54	13.04	14.54
			Power	KW	1.13	1.13	1.13	1.13	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.13
		30	Total	MBH	16.22	16.28	16.31	16.32	16.26	16.72	16.76	16.81	16.84	16.81	17.21	17.27	17.33	17.36	17.41	17.74	17.78	17.83	17.90	17.92
			Sens	MBH	10.59	12.10	13.60	15.13	16.26	9.84	11.33	12.83	14.32	15.83	9.07	10.57	12.07	13.55	15.05	8.32	9.80	11.29	12.78	14.26
			Power	KW	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		35	Total	MBH	15.70	15.75	15.77	15.75	15.81	16.17	16.22	16.27	16.31	16.22	16.66	16.72	16.77	16.80	16.84	17.17	17.21	17.27	17.32	17.35
			Sens	MBH	10.33	11.85	13.33	14.86	15.81	9.56	11.07	12.58	14.09	15.52	8.82	10.31	11.81	13.29	14.79	8.06	9.55	11.03	12.53	14.01
			Power	KW	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38	1.38	1.38	1.38
		40	Total	MBH	15.56	15.59	15.65	15.58	15.88	16.03	16.08	16.14	16.18	16.08	16.53	16.58	16.64	16.68	16.68	17.04	17.09	17.15	17.20	17.22
			Sens	MBH	10.41	11.98	13.60	15.09	15.88	9.60	11.19	12.79	14.39	15.78	8.81	10.39	11.98	13.55	15.12	8.03	9.59	11.16	12.75	14.31
			Power	KW	1.57	1.57	1.57	1.57	1.57	1.57	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.59	
		46	Total	MBH	14.83	14.87	14.90	14.81	15.29	15.28	15.34	15.39	15.36	15.28	15.75	15.80	15.86	15.89	15.86	16.24	16.30	16.35	16.39	16.43
			Sens	MBH	10.05	11.65	13.25	14.63	15.29	9.26	10.84	12.45	14.05	15.28	8.47	10.03	11.62	13.20	14.80	7.68	9.25	10.82	12.40	13.99
			Power	KW	1.73	1.73	1.73	1.73	1.74	1.74	1.74	1.74	1.74	1.74	1.75	1.75	1.75	1.75	1.75	1.76	1.76	1.76	1.76	
		50	Total	MBH	14.31	14.37	14.35	14.29	14.87	14.76	14.81	14.85	14.83	14.86	15.21	15.26	15.31	15.35	15.26	15.69	15.74	15.79	15.83	15.87
			Sens	MBH	9.81	11.41	13.01	14.29	14.87	9.02	10.60	12.18	13.81	14.86	8.23	9.79	11.38	12.97	14.49	7.44	9.01	10.58	12.16	13.75
			Power	KW	1.84	1.84	1.84	1.84	1.86	1.85	1.85	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	
		52	Total	MBH	11.02	11.02	11.24	11.73	12.25	11.34	11.35	11.43	11.73	12.25	11.68	11.72	11.69	11.81	12.24	12.04	12.08	12.10	12.10	12.24
			Sens	MBH	8.73	10.27	11.24	11.73	12.25	7.82	9.55	10.94	11.73	12.25	6.93	8.66	10.32	11.60	12.24	6.05	7.78	9.53	11.04	12.24
			Power	KW	1.71	1.71	1.72	1.73	1.74	1.72	1.72	1.72	1.73	1.74	1.73	1.73	1.73	1.73	1.74	1.74	1.74	1.74	1.74	
		56	Total	MBH	3.34	3.55	3.76	3.99	4.21	3.33	3.55	3.76	3.99	4.21	3.33	3.54	3.76	3.98	4.21	3.45	3.54	3.76	3.98	4.21
			Sens	MBH	3.34	3.55	3.76	3.99	4.21	3.33	3.55	3.76	3.99	4.21	3.33	3.54	3.76	3.98	4.21	2.67	3.54	3.76	3.98	4.21
			Power	KW	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Medium	610	25	Total	MBH	17.41	17.45	17.50	17.42	17.82	17.91	17.97	18.02	18.07	17.98	18.46	18.53	18.57	18.63	18.64	19.03	19.08	19.14	19.19	19.23
			Sens	MBH	11.65	13.42	15.21	16.91	17.82	10.75	12.51	14.28	16.06	17.67	9.86	11.63	13.38	15.16	16.90	8.97	10.72	12.49	14.24	16.01
			Power	KW	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	
		30	Total	MBH	16.84	16.89	16.94	16.85	17.37	17.34	17.40	17.46	17.48	17.39	17.88	17.94	17.98	18.03	18.01	18.40	18.47	18.54	18.57	18.62
			Sens	MBH	11.38	13.15	14.95	16.56	17.37	10.48	12.25	14.04	15.79	17.26	9.59	11.36	13.12	14.90	16.72	8.70	10.45	12.22	13.97	15.74
			Power	KW	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	
		35	Total	MBH	16.28	16.32	16.35	16.27	16.90	16.76	16.82	16.87	16.86	16.95	17.28	17.32	17.37	17.42	17.36	17.79	17.86	17.92	17.95	17.99
			Sens	MBH	11.12	12.89	14.67	16.18	16.90	10.21	11.99	13.78	15.59	16.81	9.33	11.08	12.85	14.63	16.40	8.44	10.19	11.96	13.71	15.47
			Power	KW	1.38	1.38	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.40	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40	1.40	
		40	Total	MBH	16.13	16.19	16.16	16.28	16.94	16.64	16.69	16.74	16.66	16.93	17.15	17.20	17.24	17.28	17.17	17.65	17.71	17.77	17.82	17.80
			Sens	MBH	11.26	13.16	15.13	16.28	16.94	10.32	12.20	14.11	15.97	16.93	9.36	11.25	13.12	15.02	16.74	8.42	10.28	12.16	14.05	15.88
			Power	KW	1.59	1.59	1.59	1.59	1.60	1.59	1.60	1.60	1.59	1.60	1.60	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	
		46	Total	MBH	15.35	15.40	15.32	15.63	16.29	15.84	15.88	15.91	15.81	16.28	16.31	16.38	16.41	16.39	16.28	16.81	16.86	16.91	16.96	16.92
			Sens	MBH	10.90	12.80	14.67	15.63	16.29	9.96	11.84	13.74	15.50	16.28	9.01	10.89	12.77	14.72	16.19	8.06	9.93	11.80	13.70	15.65
			Power	KW	1.75	1.75	1.75	1.76	1.77	1.76	1.76	1.77	1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78	1.78	1.78	
		50	Total	MBH	14.81	14.85	14.76	15.17	15.81	15.27	15.32	15.30	15.21	15.81	15.75	15.78	15.82	15.81	15.80	16.21	16.26	16.31	16.35	16.25
			Sens	MBH	10.65	12.55	14.35	15.17	15.81	9.71	11.59	13.44	15.10	15.81	8.76	10.62	12.51	14.49	15.80	7.81	9.68	11.55	13.44	15.31
			Power	KW	1.87	1.87	1.87	1.88	1.89	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.90	1.90	1.90	
		52	Total	MBH	11.16	11.26	11.77	12.33	12.89	11.57	11.56	11.78	12.33	12.88	11.91	11.94	12.01	12.33	12.88	12.27	12.32	12.27	12.41	12.88
			Sens	MBH	9.61	11.16	11.77	12.33	12.89	8.54	10.50	11.78	12.33	12.88	7.47	9.60	11.32	12.33	12.88	6.42	8.50	10.54	12.12	12.88
			Power	KW	1.73	1.73	1.74	1.76	1.77	1.74	1.74	1.74	1.74	1.76	1.77	1.75	1.75	1.75	1.76	1.77	1.76	1.76	1.76	
		56	Total	MBH	3.39	3.60	3.83	4.06	4.30	3.38	3.61	3.83	4.06	4.29	3.38	3.59	3.82	4.06	4.30	3.45	3.60	3.83	4.06	4.30
			Sens	MBH	3.39	3.60	3.83	4.06	4.30	3.38	3.61	3.83	4.06	4.29	3.38	3.59	3.82	4.06	4.30	2.92	3.60	3.83	4.06	4.30
			Power	KW	1.01	1.02	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.02	1.01	1.01	1.01	1.02	1.02	

# PERFORMANCE TABLE

RIBG-018T/RVBG-018TR																								
Fan Speed	Air Flow @ Rated ESP CFM	ODU DBT °C	Indoor	WBT°C DBT°C	16					17					18					19				
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29
High	660	25	Total	MBH	17.60	17.66	17.70	17.62	18.21	18.13	18.18	18.24	18.24	18.20	18.67	18.74	18.79	18.84	18.80	19.24	19.31	19.36	19.42	19.45
			Sens	MBH	11.93	13.83	15.70	17.39	18.21	10.98	12.86	14.75	16.59	18.15	10.03	11.91	13.77	15.66	17.56	9.09	10.96	12.82	14.70	16.55
			Power	KW	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
		30	Total	MBH	17.02	17.07	17.10	17.05	17.73	17.54	17.60	17.65	17.62	17.73	18.07	18.14	18.18	18.23	18.15	18.62	18.67	18.74	18.80	18.81
			Sens	MBH	11.66	13.54	15.43	17.01	17.73	10.71	12.59	14.49	16.41	17.73	9.77	11.64	13.50	15.39	17.25	8.83	10.68	12.55	14.43	16.27
			Power	KW	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.28
		35	Total	MBH	16.44	16.50	16.48	16.56	17.25	16.94	17.00	17.08	16.99	17.24	17.46	17.56	17.56	17.61	17.52	17.97	18.04	18.10	18.15	18.17
			Sens	MBH	11.39	13.29	15.25	16.56	17.25	10.44	12.32	14.17	16.09	17.24	9.51	11.36	13.23	15.12	16.95	8.56	10.41	12.28	14.16	16.00
			Power	KW	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
		40	Total	MBH	16.32	16.36	16.28	16.61	17.28	16.81	16.86	16.90	16.79	17.29	17.32	17.37	17.43	17.41	17.30	17.83	17.89	17.94	17.99	17.95
			Sens	MBH	11.58	13.61	15.61	16.61	17.28	10.55	12.56	14.59	16.44	17.29	9.56	11.54	13.56	15.57	17.20	8.56	10.52	12.51	14.52	16.59
			Power	KW	1.60	1.60	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62
		46	Total	MBH	15.52	15.55	15.44	15.94	16.61	15.99	16.03	16.02	15.94	16.60	16.47	16.52	16.57	16.52	16.60	16.96	17.02	17.06	17.10	17.02
			Sens	MBH	11.22	13.24	15.10	15.94	16.61	10.19	12.20	14.29	15.93	16.60	9.19	11.18	13.20	15.27	16.60	8.19	10.16	12.16	14.15	16.14
			Power	KW	1.77	1.77	1.76	1.77	1.79	1.78	1.78	1.78	1.77	1.79	1.78	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.80
		50	Total	MBH	14.94	14.95	14.85	15.47	16.12	15.41	15.45	15.43	15.47	16.11	15.88	15.93	15.97	15.88	16.11	16.35	16.40	16.44	16.48	16.40
			Sens	MBH	10.94	12.94	14.75	15.47	16.12	9.94	11.95	14.03	15.47	16.11	8.94	10.93	12.94	14.97	16.11	7.94	9.91	11.90	13.90	15.83
			Power	KW	1.88	1.88	1.88	1.89	1.91	1.89	1.89	1.89	1.89	1.91	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.92
		52	Total	MBH	11.21	11.41	11.95	12.51	13.08	11.62	11.65	11.95	12.51	13.08	11.97	11.99	12.07	12.50	13.08	12.33	12.37	12.34	12.50	13.07
			Sens	MBH	9.92	11.41	11.95	12.51	13.08	8.83	10.83	11.95	12.51	13.08	7.66	9.93	11.68	12.50	13.08	6.54	8.76	10.91	12.50	13.07
			Power	KW	1.74	1.74	1.76	1.77	1.78	1.75	1.75	1.76	1.77	1.78	1.76	1.76	1.76	1.77	1.78	1.77	1.77	1.77	1.77	1.78
		56	Total	MBH	3.41	3.63	3.87	4.11	4.36	3.41	3.63	3.87	4.11	4.36	3.41	3.64	3.87	4.11	4.35	3.46	3.63	3.86	4.11	4.35
			Sens	MBH	3.41	3.63	3.87	4.11	4.36	3.41	3.63	3.87	4.11	4.36	3.41	3.64	3.87	4.11	4.35	3.04	3.63	3.86	4.11	4.35
			Power	KW	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02

Note: These are simulated data and actual performance may vary

# PERFORMANCE TABLE

RIBG-024T/RVBG-024TR																									
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C DBT °C	16					17					18					19					
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	
Low	750	25	Total	MBH	24.45	24.49	24.42	24.32	25.03	25.21	25.24	25.28	25.16	25.04	26.00	26.02	26.05	26.08	25.95	26.77	26.83	26.86	26.89	26.89	
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
		30	Total	MBH	23.62	23.65	23.53	23.45	24.35	24.35	24.38	24.39	24.28	24.34	25.11	25.14	25.16	25.17	25.06	25.87	25.92	25.95	25.96	25.92	25.92
			Sens	MBH	15.95	18.42	20.95	23.42	24.35	14.71	17.17	19.61	22.15	24.34	13.45	15.90	18.34	20.83	23.37	12.19	14.66	17.09	19.52	22.04	22.04
			Power	KW	1.64	1.65	1.64	1.64	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.66
		35	Total	MBH	22.77	22.79	22.68	22.77	23.65	23.49	23.51	23.51	23.41	23.64	24.22	24.24	24.26	24.22	24.14	24.95	24.99	25.02	25.05	24.92	24.92
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.80	1.80	1.80	1.80	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83	1.83
		40	Total	MBH	21.91	21.91	21.83	22.06	22.93	22.59	22.61	22.57	22.51	22.92	23.30	23.32	23.34	23.22	23.16	24.01	24.05	24.07	24.06	23.94	23.94
			Sens	MBH	15.16	17.67	20.26	22.06	22.93	13.91	16.36	18.90	21.45	22.92	12.65	15.10	17.54	20.06	22.56	11.40	13.86	16.29	18.74	21.19	21.19
			Power	KW	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00
		46	Total	MBH	20.83	20.78	20.72	21.17	22.01	21.48	21.50	21.38	21.31	22.01	22.15	22.17	22.16	22.07	22.00	22.82	22.86	22.87	22.83	22.77	22.77
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	2.17	2.17	2.17	2.18	2.19	2.18	2.18	2.18	2.19	2.20	2.20	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.21	2.21	2.21
		50	Total	MBH	20.07	19.97	19.91	20.55	21.37	20.69	20.70	20.61	20.54	21.36	21.34	21.36	21.33	21.27	21.35	21.99	22.03	22.03	22.01	21.95	21.93
			Sens	MBH	14.31	16.87	19.42	20.55	21.37	13.06	15.53	18.05	20.54	21.36	11.80	14.25	16.78	19.34	21.35	10.57	13.01	15.43	17.95	20.48	20.48
			Power	KW	2.30	2.30	2.30	2.32	2.34	2.32	2.32	2.32	2.32	2.34	2.34	2.34	2.34	2.34	2.34	2.36	2.36	2.36	2.36	2.35	2.35
		52	Total	MBH	17.55	17.47	17.66	18.41	19.18	18.13	18.06	17.99	18.40	19.17	18.69	18.69	18.60	18.53	19.18	19.23	19.28	19.26	19.19	19.16	19.16
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.92	1.92	1.93	1.94	1.96	1.94	1.94	1.93	1.94	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96
		56	Total	MBH	9.25	9.75	10.26	10.79	11.34	9.34	9.74	10.26	10.79	11.34	9.57	9.74	10.26	10.79	11.34	9.98	10.07	10.26	10.78	11.33	11.33
			Sens	MBH	9.25	9.75	10.26	10.79	11.34	8.56	9.74	10.26	10.79	11.34	7.13	9.74	10.26	10.79	11.34	5.72	8.46	10.26	10.78	11.33	11.33
			Power	KW	1.44	1.44	1.45	1.45	1.46	1.44	1.44	1.45	1.45	1.46	1.44	1.44	1.45	1.45	1.45	1.46	1.45	1.45	1.45	1.45	1.46
Medium	830	25	Total	MBH	24.84	24.89	24.75	24.84	25.81	25.61	25.65	25.68	25.56	25.80	26.40	26.44	26.49	26.47	26.34	27.20	27.25	27.30	27.34	27.24	
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
		30	Total	MBH	23.97	24.00	23.90	24.13	25.08	24.73	24.76	24.74	24.64	25.07	25.49	25.53	25.57	25.49	25.38	26.26	26.31	26.35	26.37	26.24	26.24
			Sens	MBH	16.54	19.24	22.10	24.13	25.08	15.18	17.85	20.60	23.41	25.07	13.80	16.48	19.16	21.90	24.60	12.44	15.11	17.78	20.44	23.17	23.17
			Power	KW	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
		35	Total	MBH	23.10	23.10	23.02	23.41	24.34	23.83	23.86	23.79	23.69	24.34	24.57	24.60	24.62	24.48	24.41	25.31	25.35	25.39	25.38	25.28	25.28
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.85
		40	Total	MBH	22.21	22.17	22.07	22.67	23.58	22.91	22.93	22.80	22.74	23.57	23.62	23.64	23.64	23.54	23.56	24.33	24.37	24.40	24.34	24.27	24.27
			Sens	MBH	15.72	18.52	21.34	22.67	23.58	14.36	17.03	19.80	22.53	23.57	12.98	15.66	18.37	21.15	23.56	11.63	14.29	16.95	19.68	22.45	22.45
			Power	KW	1.99	1.99	1.99	2.00	2.01	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02
		46	Total	MBH	21.09	20.98	20.93	21.73	22.62	21.76	21.75	21.68	21.73	22.61	22.43	22.45	22.40	22.34	22.60	23.10	23.14	23.15	23.04	22.99	22.99
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	2.20	2.19	2.19	2.21	2.23	2.21	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.22	2.22	2.23	2.24	2.24	2.24	2.24	2.24
		50	Total	MBH	20.31	20.21	20.22	21.07	21.94	20.95	20.92	20.86	21.06	21.93	21.60	21.62	21.52	21.49	21.92	22.24	22.28	22.27	22.18	22.10	22.10
			Sens	MBH	14.87	17.67	20.22	21.07	21.94	13.50	16.25	19.04	21.06	21.93	12.13	14.79	17.56	20.36	21.92	10.76	13.43	16.10	18.83	21.69	21.69
			Power	KW	2.33	2.33	2.33	2.35	2.38	2.35	2.35	2.35	2.35	2.38	2.37	2.37	2.37	2.36	2.37	2.38	2.38	2.38	2.38	2.38	2.38
		52	Total	MBH	17.68	17.60	18.05	18.84	19.65	18.29	18.19	18.12	18.84	19.64	18.86	18.85	18.78	18.83	19.64	19.39	19.45	19.41	19.34	19.62	19.62
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.95	1.95	1.96	1.97	1.99	1.96	1.96	1.96	1.97	1.99	1.97	1.97	1.97	1.97	1.97	1.99	1.98	1.99	1.98	1.98	1.99
		56	Total	MBH	9.34	9.85	10.38	10.93	11.49	9.42	9.85	10.38	10.93	11.49	9.65	9.84	10.38	10.92	11.49	10.07	10.09	10.38	10.92	11.49	11.49
			Sens	MBH	9.34	9.85	10.38	10.93	11.49	8.94	9.85	10.38	10.93	11.49	7.34	9.84	10.38	10.92	11.49	5.83	8.85	10.38	10.92	11.49	11.49
			Power	KW	1.46	1.47	1.47	1.47	1.48	1.46	1.47	1.47	1.47	1.48	1.47	1.47	1.47	1.47	1.48	1.47	1.47	1.47	1.47	1.47	1.48

# PERFORMANCE TABLE

RIBG-024T/RVBG-024TR																										
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19						
					DBT °C	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	
High	920	25	Total	MBH	25.23	25.25	25.14	25.55	26.56	26.00	26.05	26.00	25.88	26.56	26.78	26.84	26.88	26.76	26.65	27.59	27.65	27.72	27.72	27.62		
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35
			Power	KW	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
		30	Total	MBH	24.32	24.31	24.16	24.80	25.81	25.08	25.12	25.02	24.92	25.80	25.84	25.90	25.92	25.80	25.79	26.61	26.67	26.73	26.72	26.60		
			Sens	MBH	17.17	20.19	23.23	24.80	25.81	15.68	18.60	21.62	24.66	25.80	14.19	17.11	20.01	23.06	25.79	12.69	15.60	18.51	21.42	24.46		
			Power	KW	1.69	1.69	1.68	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.70			
		35	Total	MBH	23.42	23.35	23.23	24.05	25.03	24.15	24.18	24.05	24.04	25.02	24.88	24.93	24.92	24.83	25.01	25.62	25.68	25.73	25.66	25.58		
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35		
			Power	KW	1.85	1.85	1.85	1.85	1.86	1.85	1.86	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87			
		40	Total	MBH	22.49	22.38	22.33	23.26	24.22	23.20	23.20	23.10	23.25	24.21	23.90	23.94	23.88	23.82	24.20	24.60	24.66	24.68	24.56	24.50		
			Sens	MBH	16.33	19.35	22.33	23.26	24.22	14.85	17.80	20.92	23.25	24.21	13.34	16.27	19.25	22.30	24.20	11.86	14.77	17.65	20.66	23.67		
			Power	KW	2.01	2.01	2.01	2.03	2.04	2.02	2.02	2.02	2.03	2.04	2.03	2.04	2.03	2.03	2.04	2.04	2.04	2.04	2.04			
		46	Total	MBH	21.35	21.26	21.39	22.29	23.21	22.02	21.98	21.92	22.28	23.20	22.66	22.71	22.60	22.54	23.19	23.35	23.40	23.41	23.32	23.56		
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35			
			Power	KW	2.22	2.22	2.22	2.24	2.26	2.23	2.23	2.23	2.24	2.26	2.25	2.25	2.24	2.24	2.26	2.26	2.26	2.26	2.26			
		50	Total	MBH	20.51	20.43	20.71	21.58	22.48	21.17	21.10	21.04	21.58	22.48	21.83	21.74	21.65	22.48	22.43	22.51	22.49	22.41	22.46			
			Sens	MBH	15.53	18.63	20.71	21.58	22.48	13.96	16.99	20.06	21.58	22.48	12.47	15.39	18.39	21.41	22.48	10.98	13.89	16.86	19.95	22.46		
			Power	KW	2.36	2.35	2.36	2.38	2.41	2.37	2.37	2.37	2.38	2.40	2.39	2.39	2.39	2.39	2.41	2.40	2.41	2.41	2.40			
		52	Total	MBH	17.79	17.72	18.44	19.27	20.09	18.43	18.35	18.43	19.25	20.09	18.99	19.00	18.91	19.26	20.09	19.55	19.61	19.53	19.48	20.07		
			Sens	MBH	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35	16.35			
			Power	KW	1.97	1.97	1.98	2.00	2.01	1.98	1.98	1.98	2.00	2.01	1.99	1.99	1.99	2.00	2.01	2.00	2.00	2.00	2.00			
		56	Total	MBH	9.43	9.96	10.51	11.07	11.65	9.52	9.96	10.50	11.07	11.65	9.75	9.96	10.50	11.07	11.64	10.16	10.19	10.50	10.97	11.64		
			Sens	MBH	9.43	9.96	10.51	11.07	11.65	9.52	9.96	10.50	11.07	11.65	7.76	9.96	10.50	11.07	11.64	5.98	9.31	10.50	10.97	11.64		
			Power	KW	1.48	1.48	1.49	1.49	1.49	1.48	1.48	1.49	1.49	1.49	1.48	1.48	1.49	1.49	1.49	1.48	1.48	1.49	1.50			

Note: These are simulated data and actual performance may vary

# PERFORMANCE TABLE

RIBG-030T/RVBG-030TR																								
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19				
					DBT °C	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27
Low	1070	25	Total	MBH	28.18	28.15	28.15	28.89	30.08	29.05	29.09	29.04	29.11	30.07	30.00	30.04	30.01	29.97	30.10	30.97	31.02	30.98	30.95	30.96
			Sens	MBH	19.64	23.07	26.86	28.89	30.08	17.80	21.29	24.72	28.45	30.07	16.00	19.48	22.92	26.50	29.97	14.19	17.67	21.10	24.50	28.27
			Power	KW	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
		30	Total	MBH	27.18	27.18	27.17	28.07	29.25	28.05	28.08	28.05	28.14	29.24	28.99	28.97	29.00	28.95	29.23	29.87	29.92	29.94	29.91	29.92
			Sens	MBH	19.20	22.68	26.39	28.07	29.25	17.37	20.87	24.40	27.95	29.24	15.58	19.02	22.52	26.24	29.23	13.77	17.23	20.70	24.11	27.88
			Power	KW	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96
		35	Total	MBH	26.10	26.14	26.16	27.21	28.39	27.00	26.97	26.99	27.20	28.37	27.90	27.88	27.92	27.91	28.36	28.77	28.82	28.83	28.82	28.84
			Sens	MBH	18.69	22.26	25.86	27.21	28.39	16.92	20.36	24.18	27.20	28.37	15.13	18.57	22.07	25.82	28.36	13.33	16.79	20.25	23.71	27.42
			Power	KW	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
		40	Total	MBH	25.01	24.93	25.14	26.29	27.43	25.87	25.84	25.84	26.27	27.42	26.70	26.74	26.71	26.74	27.44	27.61	27.65	27.63	27.65	27.68
			Sens	MBH	18.22	21.89	25.14	26.29	27.43	16.44	19.88	23.61	26.27	27.42	14.63	18.11	21.52	25.30	27.44	12.86	16.32	19.75	23.31	26.90
			Power	KW	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
		46	Total	MBH	23.56	23.58	24.00	25.12	26.25	24.40	24.43	24.48	25.10	26.24	25.25	25.28	25.30	25.36	26.23	26.06	26.12	26.15	26.10	26.22
			Sens	MBH	17.56	21.33	24.00	25.12	26.25	15.80	19.29	23.14	25.10	26.24	14.05	17.51	21.06	24.72	26.23	12.26	15.71	19.18	22.84	26.22
			Power	KW	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
		50	Total	MBH	20.28	20.33	21.27	22.36	23.40	21.00	21.00	21.28	22.35	23.39	21.73	21.82	21.81	22.34	23.39	22.50	22.58	22.61	22.63	23.38
			Sens	MBH	16.18	19.90	21.27	22.36	23.40	14.36	18.07	21.28	22.35	23.39	12.60	16.11	19.79	22.34	23.39	10.88	14.31	17.80	21.62	23.38
			Power	KW	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
		52	Total	MBH	17.41	17.84	18.82	19.82	20.84	18.12	18.11	18.81	19.82	20.84	18.77	18.79	18.89	19.80	20.83	19.43	19.50	19.53	19.80	20.82
			Sens	MBH	15.19	17.84	18.82	19.82	20.84	13.21	16.96	18.81	19.82	20.84	11.44	14.98	18.66	19.80	20.83	9.70	13.15	16.91	19.80	20.82
			Power	KW	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
		56	Total	MBH	8.46	9.11	9.82	10.48	11.18	8.49	9.11	9.84	10.50	11.21	8.53	9.13	9.82	10.50	11.17	8.81	9.13	9.82	10.50	11.17
			Sens	MBH	8.46	9.11	9.82	10.48	11.18	8.49	9.11	9.84	10.50	11.21	7.93	9.13	9.82	10.50	11.17	5.55	9.13	9.82	10.50	11.17
			Power	KW	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Medium	1220	25	Total	MBH	28.55	28.52	28.63	29.84	31.09	29.48	29.46	29.46	29.81	31.07	30.44	30.39	30.46	30.45	31.06	31.41	31.40	31.43	31.41	31.43
			Sens	MBH	20.54	24.43	28.54	29.84	31.09	18.54	22.38	26.63	29.81	31.07	16.55	20.37	24.27	28.47	31.06	14.55	18.36	22.25	26.05	30.28
			Power	KW	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
		30	Total	MBH	27.53	27.53	27.73	28.96	30.22	28.46	28.41	28.46	28.93	30.21	29.38	29.36	29.41	29.38	30.20	30.29	30.35	30.31	30.34	30.36
			Sens	MBH	20.11	24.25	27.73	28.96	30.22	18.11	21.94	26.27	28.93	30.21	16.12	19.95	23.86	28.05	30.20	14.11	17.95	21.77	25.73	29.78
			Power	KW	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
		35	Total	MBH	26.46	26.40	26.83	28.04	29.28	27.37	27.33	27.38	28.03	29.29	28.22	28.26	28.22	28.28	29.28	29.09	29.20	29.18	29.16	29.28
			Sens	MBH	19.66	23.82	26.83	28.04	29.28	17.65	21.49	25.78	28.03	29.29	15.63	19.50	23.34	27.53	29.28	13.64	17.51	21.33	25.58	29.23
			Power	KW	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
		40	Total	MBH	25.32	25.29	25.90	27.09	28.32	26.14	26.18	26.20	27.08	28.29	27.05	27.08	27.04	27.14	28.30	27.90	27.95	27.98	27.94	28.27
			Sens	MBH	19.16	23.32	25.90	27.09	28.32	17.12	21.03	25.27	27.08	28.29	15.17	19.05	23.00	26.99	28.30	13.18	17.01	20.89	25.05	28.27
			Power	KW	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
		46	Total	MBH	23.89	23.85	24.71	25.88	27.08	24.69	24.72	24.77	25.87	27.07	25.50	25.54	25.55	25.87	27.06	26.38	26.43	26.46	26.46	27.05
			Sens	MBH	18.55	22.73	24.71	25.88	27.08	16.53	20.49	24.61	25.87	27.07	14.53	18.40	22.60	25.87	27.06	12.59	16.41	20.30	24.50	27.05
			Power	KW	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
		50	Total	MBH	20.42	20.69	21.80	22.92	24.07	21.20	21.23	21.80	22.91	24.07	21.94	21.98	22.06	22.90	24.05	22.69	22.79	22.78	22.96	24.05
			Sens	MBH	17.30	20.69	21.80	22.92	24.07	15.08	19.30	21.80	22.91	24.07	13.11	16.96	21.23	22.90	24.05	11.17	15.03	19.11	22.96	24.05
			Power	KW	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
		52	Total	MBH	17.53	18.24	19.27	20.33	21.39	18.20	18.25	19.26	20.31	21.39	18.87	18.91	19.26	20.31	21.38	19.52	19.62	19.68	20.30	21.37
			Sens	MBH	16.21	18.24	19.27	20.33	21.39	13.87	18.05	19.26	20.31	21.39	11.92	16.08	19.26	20.31	21.38	9.98	13.81	18.12	20.30	21.37
			Power	KW	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
		56	Total	MBH	8.45	9.17	9.88	10.55	11.26	8.44	9.15	9.88	10.58	11.26	8.45	9.17	9.87	10.57	11.28	8.71	9.17	9.87	10.55	11.26
			Sens	MBH	8.45	9.17	9.88	10.55	11.26	8.44	9.15	9.88	10.58	11.26	8.44	9.17	9.87	10.57	11.28	5.67	9.17	9.87	10.55	11.26
			Power	KW	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44

# PERFORMANCE TABLE

RIBG-030T/RVBG-030TR																								
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19				
					DBT °C	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27
High	1340	25	Total	MBH	28.75	28.75	29.12	30.40	31.70	29.71	29.68	29.71	30.39	31.69	30.66	30.65	30.70	30.68	31.68	31.59	31.65	31.67	31.64	31.74
			Sens	MBH	21.22	25.80	29.12	30.40	31.70	19.07	23.20	27.88	30.39	31.69	16.90	21.04	25.26	29.74	31.68	14.73	18.88	23.06	27.32	31.62
			Power	KW	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
		30	Total	MBH	27.72	27.66	28.23	29.50	30.78	28.66	28.63	28.66	29.50	30.79	29.53	29.59	29.55	29.59	30.76	30.51	30.49	30.52	30.48	30.75
			Sens	MBH	20.79	25.35	28.23	29.50	30.78	18.63	22.77	27.40	29.50	30.79	16.45	20.62	24.79	29.26	30.76	14.31	18.42	22.58	27.08	30.75
			Power	KW	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
		35	Total	MBH	26.63	26.59	27.33	28.57	29.86	27.48	27.52	27.53	28.56	29.85	28.41	28.45	28.39	28.56	29.84	29.27	29.34	29.37	29.33	29.83
			Sens	MBH	20.32	24.81	27.33	28.57	29.86	18.12	22.33	26.90	28.56	29.85	15.99	20.19	24.49	28.56	29.84	13.83	17.97	22.15	26.67	29.83
			Power	KW	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	
		40	Total	MBH	25.41	25.43	26.36	27.61	28.86	26.30	26.33	26.39	27.60	28.85	27.21	27.25	27.19	27.59	28.84	28.07	28.12	28.22	28.13	28.83
			Sens	MBH	19.74	24.32	26.36	27.61	28.86	17.63	21.92	26.34	27.60	28.85	15.52	19.71	24.20	27.59	28.84	13.36	17.51	21.78	26.19	28.83
			Power	KW	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	
		46	Total	MBH	23.96	23.99	25.12	26.35	27.60	24.81	24.75	25.12	26.35	27.59	25.63	25.67	25.71	26.28	27.58	26.46	26.58	26.60	26.57	27.51
			Sens	MBH	19.15	23.67	25.12	26.35	27.60	17.04	21.46	25.12	26.35	27.59	14.87	19.04	23.67	26.28	27.58	12.75	16.91	21.13	25.60	27.51
			Power	KW	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	
		50	Total	MBH	20.47	20.98	22.13	23.31	24.50	21.27	21.26	22.13	23.30	24.49	22.02	22.09	22.12	23.29	24.48	22.77	22.88	22.89	23.29	24.48
			Sens	MBH	17.98	20.98	22.13	23.31	24.50	15.57	20.14	22.13	23.30	24.49	13.44	17.74	22.12	23.29	24.48	11.35	15.50	20.02	23.29	24.48
			Power	KW	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
		52	Total	MBH	17.53	18.42	19.47	20.59	21.76	18.21	18.41	19.47	20.55	21.67	18.88	18.95	19.46	20.58	21.69	19.55	19.65	19.67	20.53	21.64
			Sens	MBH	16.81	18.42	19.47	20.59	21.76	14.48	18.41	19.47	20.55	21.67	12.22	16.76	19.46	20.58	21.69	10.15	14.29	18.80	20.53	21.64
			Power	KW	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	
		56	Total	MBH	8.39	9.11	9.85	10.53	11.26	8.38	9.10	9.84	10.53	11.28	8.38	9.10	9.84	10.58	11.27	8.59	9.10	9.85	10.55	11.26
			Sens	MBH	8.39	9.11	9.85	10.53	11.26	8.38	9.10	9.84	10.53	11.28	8.38	9.10	9.84	10.58	11.27	5.71	9.10	9.85	10.55	11.26
			Power	KW	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	

Note: These are simulated data and actual performance may vary

# PERFORMANCE TABLE

## MODEL:RIBG-036T/RVBG-036TR

Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19				
					DBT °C					DBT °C					DBT °C					DBT °C				
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29
Low	980	25	Total	MBH	35.91	35.83	35.75	35.56	36.55	37.12	37.06	36.98	37.58	36.75	38.33	38.33	38.27	38.17	38.04	39.56	39.57	39.58	39.49	39.40
			Sens	MBH	23.95	27.61	31.23	34.67	36.55	22.09	25.73	29.36	34.89	36.21	20.27	23.86	27.47	31.06	34.64	18.45	22.02	25.59	29.16	32.72
			Power	KW	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
		30	Total	MBH	34.87	34.81	34.72	34.59	35.74	36.07	36.01	35.94	35.82	35.72	37.26	37.25	37.18	37.11	36.93	38.47	38.48	38.44	38.35	38.30
			Sens	MBH	23.52	27.18	30.74	34.14	35.74	21.63	25.28	28.91	32.54	35.71	19.79	23.40	27.02	30.60	34.07	17.99	21.55	25.16	28.73	32.27
			Power	KW	2.69	2.69	2.69	2.68	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
		35	Total	MBH	33.63	33.59	33.49	33.45	34.77	34.80	34.73	34.68	34.53	34.76	35.96	35.91	35.85	35.78	35.62	37.13	37.14	37.07	37.01	36.92
			Sens	MBH	22.99	26.64	30.08	33.45	34.77	21.12	24.76	28.37	31.88	34.76	19.24	22.88	26.51	30.07	33.43	17.41	21.00	24.62	28.19	31.76
			Power	KW	3.01	3.01	3.01	3.01	3.03	3.03	3.02	3.02	3.02	3.02	3.04	3.04	3.03	3.03	3.03	3.04	3.04	3.04	3.04	3.04
		40	Total	MBH	32.36	32.32	32.16	32.47	33.75	33.45	33.42	33.33	33.20	33.76	34.60	34.54	34.49	34.41	34.23	35.74	35.71	35.68	35.61	35.51
			Sens	MBH	22.43	26.06	29.66	32.46	33.75	20.56	24.20	27.81	31.26	33.76	18.70	22.32	25.94	29.46	32.93	16.84	20.48	24.11	27.63	31.16
			Power	KW	3.34	3.34	3.33	3.34	3.36	3.35	3.35	3.35	3.35	3.36	3.37	3.37	3.37	3.36	3.36	3.38	3.38	3.38	3.38	3.38
		46	Total	MBH	30.67	30.59	30.45	31.10	32.38	31.72	31.67	31.58	31.42	32.35	32.79	32.76	32.73	32.61	32.47	33.89	33.86	33.82	33.76	33.62
			Sens	MBH	21.70	25.35	28.84	31.10	32.38	19.83	23.46	27.05	30.56	32.35	17.98	21.60	25.18	28.70	32.15	16.13	19.76	23.34	26.90	30.41
			Power	KW	3.74	3.74	3.74	3.75	3.78	3.76	3.76	3.76	3.76	3.76	3.78	3.78	3.78	3.78	3.78	3.80	3.80	3.80	3.80	3.80
		50	Total	MBH	22.17	22.09	22.98	24.07	25.18	23.03	22.99	22.97	24.06	25.17	23.87	23.85	23.77	24.05	25.17	24.67	24.73	24.64	24.54	25.16
			Sens	MBH	17.90	21.38	22.98	24.07	25.18	16.02	19.54	22.97	24.06	25.17	14.18	17.80	21.26	24.05	25.17	12.26	15.97	19.68	23.03	25.16
			Power	KW	2.95	2.95	2.96	2.97	2.97	2.96	2.96	2.96	2.96	2.97	2.97	2.96	2.96	2.96	2.97	2.97	2.97	2.97	2.97	2.97
		52	Total	MBH	18.66	19.00	20.03	21.06	22.11	19.41	19.31	20.02	21.06	22.10	20.16	20.15	20.03	21.05	22.09	20.84	20.92	20.82	21.03	22.09
			Sens	MBH	16.21	19.00	20.03	21.06	22.11	14.64	18.15	20.02	21.06	22.10	12.70	16.31	19.96	21.05	22.09	10.73	14.55	18.00	21.03	22.09
			Power	KW	2.59	2.59	2.60	2.60	2.61	2.60	2.60	2.60	2.60	2.61	2.60	2.60	2.60	2.60	2.61	2.60	2.60	2.60	2.60	2.61
		56	Total	MBH	11.46	12.26	13.08	13.91	14.77	11.52	12.25	13.07	13.91	14.77	11.99	12.25	13.07	13.91	14.76	12.13	12.57	13.06	13.90	14.76
			Sens	MBH	11.46	12.26	13.08	13.91	14.77	11.10	12.25	13.07	13.91	14.77	9.17	12.25	13.07	13.91	14.76	6.79	10.79	13.06	13.90	14.76
			Power	KW	2.07	2.06	2.06	2.05	2.04	2.07	2.06	2.06	2.05	2.04	2.06	2.06	2.06	2.05	2.04	2.06	2.06	2.06	2.05	2.04
Medium	1090	25	Total	MBH	36.62	36.53	36.39	36.52	37.95	37.84	37.80	37.71	37.67	37.93	39.05	39.08	39.02	38.93	38.74	40.29	40.32	40.32	40.25	40.15
			Sens	MBH	25.05	29.14	33.18	36.52	37.95	22.96	27.01	31.06	34.99	37.93	20.92	24.90	28.93	32.92	36.69	18.90	22.86	26.83	30.80	34.82
			Power	KW	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
		30	Total	MBH	35.53	35.48	35.33	35.68	37.08	36.76	36.68	36.62	36.45	37.06	37.95	37.95	37.87	37.74	37.62	39.16	39.18	39.15	39.08	39.00
			Sens	MBH	24.60	28.66	32.64	35.68	37.08	22.52	26.56	30.59	34.45	37.06	20.44	24.47	28.51	32.37	36.31	18.42	22.38	26.40	30.40	34.12
			Power	KW	2.71	2.71	2.71	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73
		35	Total	MBH	34.25	34.20	34.03	34.66	36.06	35.42	35.37	35.28	35.09	36.05	36.60	36.55	36.50	36.16	36.27	37.78	37.79	37.73	37.67	37.54
			Sens	MBH	24.07	28.11	32.02	34.66	36.06	21.98	26.03	30.05	33.95	36.05	19.87	23.94	27.96	31.90	35.64	17.85	21.86	25.88	29.85	33.66
			Power	KW	3.05	3.04	3.04	3.05	3.06	3.06	3.06	3.05	3.05	3.06	3.07	3.07	3.06	3.06	3.06	3.07	3.07	3.07	3.07	3.07
		40	Total	MBH	32.92	32.83	32.65	33.58	34.97	34.02	33.99	33.89	33.77	34.96	35.19	35.14	35.10	34.96	34.94	36.35	36.30	36.28	36.22	36.07
			Sens	MBH	23.50	27.55	31.50	33.58	34.97	21.42	25.46	29.44	33.25	34.96	19.35	23.39	27.38	31.30	34.94	17.27	21.32	25.32	29.28	33.00
			Power	KW	3.37	3.37	3.37	3.38	3.40	3.38	3.38	3.38	3.38	3.40	3.40	3.40	3.40	3.40	3.40	3.41	3.41	3.41	3.41	3.41
		46	Total	MBH	31.16	31.07	30.94	32.17	33.52	32.23	32.19	32.05	32.16	33.49	33.32	33.29	33.21	33.08	33.48	34.43	34.41	34.37	34.27	34.12
			Sens	MBH	22.74	26.76	30.68	32.17	33.50	20.66	24.70	28.72	32.16	33.49	18.60	22.65	26.67	30.50	33.48	16.58	20.59	24.57	28.52	32.41
			Power	KW	3.78	3.78	3.77	3.80	3.82	3.80	3.80	3.80	3.80	3.82	3.82	3.82	3.82	3.81	3.82	3.83	3.83	3.83	3.83	3.83
		50	Total	MBH	22.43	22.48	23.59	24.76	25.93	23.28	23.19	23.60	24.75	25.92	24.12	24.05	23.94	24.74	25.91	24.91	24.97	24.92	24.79	25.90
			Sens	MBH	18.83	22.48	23.59	24.76	25.93	16.78	20.80	23.60	24.75	25.92	14.71	18.88	22.69	24.74	25.91	12.58	16.74	20.69	24.55	25.90
			Power	KW	2.97	2.98	2.99	3.00	3.00	2.98	2.98	2.99	3.00	3.00	2.99	2.99	2.99	3.00	3.00	3.00	3.00	3.00	3.00	3.00
		52	Total	MBH	18.78	19.45	20.52	21.61	22.71	19.55	19.47	20.51	21.61	22.70	20.31	20.24	20.51	21.60	22.70	20.95	21.06	20.98	21.59	22.68
			Sens	MBH	17.29	19.45	20.52	21.61	22.71	15.38	19.34	20.51	21.61	22.70	13.23	17.25	20.51	21.60	22.70	11.02	15.43	19.13	21.59	22.68
			Power	KW	2.62	2.62	2.63	2.63	2.63	2.62	2.62	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
		56	Total	MBH	11.60	12.43	13.28	14.16	15.05	11.60	12.42	13.29	14.16	15.05	11.97	12.43	13.27	14.15	15.05	12.06	12.57	13.27	14.15	15.05
			Sens	MBH	11.60	12.43	13.28	14.16	15.05	11.60	12.42	13.29	14.16	15.05	9.58	12.43	13.27	14.15	15.05	6.85	11.70	13.27	14.15	15.04
			Power	KW	2.09	2.09	2.08	2.07	2.06	2.09	2.09	2.08	2.07	2.06	2.09	2.09	2.08	2.07	2.06	2.09	2.08	2.08	2.07	2.06

# PERFORMANCE TABLE

MODEL:RIBG-036T/RVBG-036TR																									
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT°C DBT°C	16					17					18					19					
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	
High	1190	25	Total	MBH	37.13	37.06	36.89	37.61	39.11	38.38	38.34	38.24	38.05	39.09	39.61	39.62	39.36	39.45	39.32	40.86	40.90	40.89	40.81	40.63	
			Sens	MBH	26.02	30.51	34.80	37.61	39.11	23.71	28.17	32.58	36.81	39.09	21.48	25.86	30.22	34.62	38.70	19.29	23.59	27.97	32.38	36.55	
			Power	KW	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.44
			30	Total	MBH	36.05	35.95	35.78	36.73	38.22	37.27	37.20	37.12	36.96	38.20	38.46	38.45	38.39	38.25	38.22	39.67	39.72	39.68	39.64	39.48
				Sens	MBH	25.58	30.06	34.30	36.73	38.22	23.29	27.74	32.09	36.29	38.20	21.00	25.43	29.87	34.29	38.15	18.81	23.12	27.52	31.93	36.10
				Power	KW	2.74	2.74	2.74	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
			35	Total	MBH	34.71	34.64	34.46	35.65	37.12	35.88	35.84	35.73	35.66	37.11	37.08	37.04	36.98	36.84	37.09	38.26	38.27	38.22	38.16	37.99
				Sens	MBH	25.01	29.45	33.70	35.65	37.12	22.75	27.20	31.49	35.60	37.11	20.47	24.88	29.31	33.57	37.09	18.19	22.60	27.00	31.43	35.51
				Power	KW	3.08	3.08	3.07	3.08	3.10	3.09	3.09	3.09	3.08	3.10	3.10	3.10	3.10	3.09	3.10	3.10	3.10	3.10	3.10	3.10
		40	Total	MBH	33.34	33.24	33.13	34.54	35.96	34.47	34.43	34.32	34.52	35.95	35.63	35.59	35.51	35.37	35.94	36.79	36.77	36.73	36.65	36.44	
			Sens	MBH	24.48	28.85	33.08	34.54	35.96	22.18	26.61	30.97	34.52	35.95	19.90	24.33	28.77	33.02	35.94	17.64	22.06	26.47	30.72	35.07	
			Power	KW	3.40	3.40	3.40	3.42	3.43	3.42	3.42	3.42	3.42	3.43	3.43	3.43	3.43	3.43	3.43	3.44	3.44	3.44	3.44	3.44	
		46	Total	MBH	31.52	31.31	31.66	33.05	34.44	32.62	32.54	32.39	33.03	34.42	33.71	33.68	33.59	33.41	34.42	34.83	34.83	34.78	34.64	34.53	
			Sens	MBH	23.70	28.14	31.66	33.05	34.44	21.43	25.90	30.21	33.03	34.42	19.18	23.58	27.98	32.25	34.42	16.91	21.32	25.70	30.03	34.18	
			Power	KW	3.81	3.81	3.82	3.84	3.86	3.83	3.83	3.83	3.84	3.86	3.85	3.85	3.85	3.85	3.86	3.87	3.87	3.87	3.87	3.86	
		50	Total	MBH	22.98	22.93	24.54	25.73	26.95	23.88	23.74	24.53	25.73	26.94	24.73	24.70	24.57	25.31	26.93	25.51	25.59	25.49	25.72	26.92	
			Sens	MBH	20.22	22.92	24.54	25.73	26.95	18.01	22.31	24.53	25.73	26.94	15.68	20.10	24.40	25.29	26.93	13.29	17.88	22.14	25.72	26.92	
			Power	KW	3.00	3.01	3.02	3.02	3.03	3.01	3.01	3.02	3.02	3.03	3.02	3.02	3.02	3.03	3.03	3.02	3.02	3.02	3.02	3.03	
		52	Total	MBH	18.85	19.80	20.89	22.03	23.17	19.64	19.79	20.89	22.01	23.17	20.39	20.33	20.88	22.01	23.16	20.99	21.16	21.08	22.00	23.15	
			Sens	MBH	18.18	19.80	20.89	22.03	23.17	15.55	19.79	20.89	22.01	23.17	13.73	18.17	20.88	22.01	23.16	11.20	16.01	20.16	22.00	23.15	
			Power	KW	2.64	2.65	2.65	2.66	2.65	2.65	2.65	2.65	2.66	2.65	2.65	2.65	2.65	2.66	2.65	2.65	2.65	2.65	2.65	2.66	
		56	Total	MBH	11.62	12.48	13.34	14.24	15.14	11.62	12.48	13.34	14.24	15.15	11.90	12.48	13.34	14.23	15.15	11.97	12.52	13.34	14.23	15.14	
			Sens	MBH	11.62	12.48	13.34	14.24	15.14	11.62	12.48	13.34	14.24	15.15	9.73	12.48	13.34	14.23	15.15	6.83	12.15	13.34	14.23	15.14	
			Power	KW	2.12	2.11	2.10	2.09	2.08	2.12	2.11	2.10	2.09	2.08	2.11	2.11	2.10	2.09	2.08	2.11	2.11	2.10	2.09	2.08	

Note: These are simulated data and actual performance may vary

# PERFORMANCE TABLE

RIBG-042T/RVBG-042TR																								
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C	16					17					18					19				
					DBT °C	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27
Low	1210	25	Total	MBH	39.65	39.68	39.67	39.44	40.93	40.89	40.91	40.94	40.90	40.96	42.05	42.19	42.21	42.22	42.13	43.45	43.50	43.53	43.55	43.56
			Sens	MBH	26.59	30.63	34.64	38.58	40.93	24.53	28.55	32.57	36.59	40.34	22.43	26.49	30.49	34.47	38.43	20.42	24.43	28.42	32.40	36.35
			Power	KW	2.59	2.59	2.59	2.59	2.60	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.57	2.57	2.57	2.57
		30	Total	MBH	38.53	38.54	38.53	38.27	39.64	39.74	39.77	39.78	39.73	39.63	40.99	41.02	41.04	41.06	40.88	42.27	42.32	42.34	42.54	42.37
			Sens	MBH	26.06	30.09	34.13	37.97	39.64	24.00	28.02	32.03	36.05	39.63	21.95	25.96	29.96	33.95	37.86	19.91	23.91	27.91	31.09	35.82
			Power	KW	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
		35	Total	MBH	37.33	37.35	37.30	37.21	38.68	38.53	38.55	38.55	38.43	38.66	39.73	39.78	39.80	39.80	39.63	40.92	41.04	41.07	41.07	41.08
			Sens	MBH	25.49	29.52	33.57	37.21	38.68	23.44	27.46	31.44	35.43	38.66	21.40	25.41	29.41	33.38	37.38	19.33	23.36	27.36	31.32	35.29
			Power	KW	3.24	3.24	3.24	3.24	3.25	3.25	3.25	3.25	3.24	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.26	3.26	3.26	3.26
		40	Total	MBH	36.04	36.06	35.96	36.18	37.62	37.19	37.22	37.23	37.05	37.61	38.37	38.42	38.43	38.45	38.22	39.56	39.63	39.67	39.67	39.69
			Sens	MBH	24.88	28.90	32.93	36.18	37.62	22.83	26.86	30.85	34.87	37.61	20.80	24.81	28.80	32.81	36.76	18.75	22.76	26.76	30.72	34.72
			Power	KW	3.60	3.60	3.59	3.60	3.61	3.61	3.61	3.61	3.61	3.61	3.62	3.62	3.62	3.62	3.62	3.62	3.63	3.63	3.63	3.63
		46	Total	MBH	34.32	34.33	34.13	34.78	36.17	35.40	35.44	35.45	35.24	36.16	36.52	36.59	36.60	36.57	36.32	38.12	37.74	37.79	37.79	38.38
			Sens	MBH	24.08	28.10	32.19	34.78	36.17	22.03	26.04	30.06	34.11	36.16	19.98	24.00	27.99	32.00	35.89	18.15	21.97	25.96	29.93	34.22
			Power	KW	4.05	4.05	4.05	4.06	4.08	4.07	4.07	4.07	4.06	4.08	4.08	4.09	4.09	4.09	4.09	4.08	4.11	4.10	4.10	4.10
		50	Total	MBH	26.93	26.90	27.32	28.54	29.79	27.76	27.84	27.79	28.63	29.78	28.62	28.73	28.69	28.74	29.77	29.48	29.63	29.71	29.64	29.82
			Sens	MBH	20.53	24.44	27.32	28.54	29.79	18.51	22.47	26.34	28.63	29.78	16.52	20.47	24.37	28.13	29.77	14.55	18.47	22.39	26.24	29.82
			Power	KW	3.67	3.67	3.68	3.70	3.71	3.69	3.69	3.69	3.70	3.71	3.70	3.70	3.70	3.70	3.71	3.71	3.71	3.71	3.71	3.71
		52	Total	MBH	21.42	21.63	22.75	23.88	25.05	22.20	22.22	22.74	23.87	25.04	22.93	23.03	23.04	23.87	25.03	23.67	23.82	23.80	23.89	25.02
			Sens	MBH	18.14	21.63	22.75	23.88	25.05	16.10	20.09	22.74	23.87	25.04	14.15	18.10	21.99	23.87	25.03	12.20	16.12	20.03	23.79	25.02
			Power	KW	2.95	2.96	2.97	2.97	2.98	2.96	2.96	2.97	2.97	2.98	2.97	2.97	2.97	2.97	2.97	2.98	2.97	2.97	2.98	2.98
		56	Total	MBH	10.28	11.53	12.38	13.23	14.13	10.39	11.52	12.38	13.25	14.13	10.60	11.52	12.37	13.25	14.13	10.47	11.29	12.37	13.24	14.13
			Sens	MBH	10.28	11.53	12.38	13.23	14.13	10.39	11.52	12.38	13.25	14.13	9.47	11.52	12.37	13.25	14.13	7.11	11.29	12.37	13.24	14.13
			Power	KW	1.94	1.93	1.93	1.92	1.92	1.94	1.93	1.93	1.92	1.92	1.94	1.93	1.93	1.92	1.92	1.94	1.93	1.93	1.92	1.92
Medium	1360	25	Total	MBH	40.31	40.33	40.21	40.33	41.94	41.58	41.59	41.62	41.41	41.75	42.84	42.89	42.92	42.94	42.66	44.14	44.20	44.24	44.26	44.26
			Sens	MBH	27.66	32.12	36.67	40.33	41.94	25.39	29.82	34.25	38.77	41.03	23.11	27.55	31.97	36.35	40.82	20.84	25.26	29.68	34.07	38.47
			Power	KW	2.63	2.63	2.63	2.63	2.62	2.62	2.62	2.62	2.62	2.65	2.62	2.62	2.62	2.62	2.62	2.62	2.61	2.61	2.61	2.61
		30	Total	MBH	39.14	39.17	39.03	39.40	40.97	40.38	40.42	40.43	40.20	40.95	41.64	41.70	41.66	41.72	41.44	42.92	42.98	43.01	43.03	43.01
			Sens	MBH	27.12	31.56	36.12	39.40	40.97	24.85	29.29	33.71	38.21	40.95	22.59	27.02	31.39	35.88	40.23	20.32	24.75	29.16	33.54	38.01
			Power	KW	2.94	2.94	2.94	2.94	2.95	2.95	2.95	2.95	2.95	2.95	2.94	2.94	2.94	2.95	2.95	2.94	2.94	2.94	2.94	2.94
		35	Total	MBH	37.91	37.94	37.73	38.38	39.95	39.11	39.15	39.17	38.91	39.93	40.35	40.41	40.42	40.41	40.14	41.53	41.65	41.70	41.73	41.65
			Sens	MBH	26.54	30.99	35.48	38.38	39.95	24.27	28.72	33.17	37.57	39.93	22.02	26.46	30.87	35.34	39.61	19.74	24.18	28.60	33.00	37.44
			Power	KW	3.29	3.29	3.28	3.29	3.30	3.29	3.29	3.29	3.29	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
		40	Total	MBH	36.59	36.59	36.36	37.29	38.83	37.74	37.79	37.52	38.81	38.92	39.00	39.01	38.93	38.81	40.06	40.20	40.25	40.29	40.12	
			Sens	MBH	25.94	30.38	34.92	37.29	38.83	23.66	28.10	32.54	36.94	38.81	21.40	25.85	30.25	34.76	38.81	19.13	23.57	27.99	32.39	36.76
			Power	KW	3.65	3.65	3.64	3.65	3.67	3.66	3.66	3.66	3.66	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.68	3.68	3.68	3.68
		46	Total	MBH	34.77	34.80	34.54	35.83	37.31	35.91	35.93	36.26	35.82	37.30	36.99	37.08	37.12	36.93	37.29	38.12	37.89	38.30	38.33	38.08
			Sens	MBH	25.09	29.57	34.06	35.83	37.31	22.85	27.29	31.87	35.82	37.30	20.57	25.01	29.44	33.85	37.29	18.33	22.25	27.18	31.57	36.08
			Power	KW	4.10	4.10	4.10	4.12	4.14	4.12	4.12	0.14	4.12	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.15	4.13	4.15	4.15
		50	Total	MBH	27.14	27.08	27.96	29.85	30.55	28.01	28.03	28.02	29.84	30.54	28.86	28.96	28.93	29.83	30.53	29.72	29.86	29.95	29.88	30.52
			Sens	MBH	21.43	25.77	27.96	29.85	30.55	19.24	23.62	27.76	29.84	30.54	17.03	21.36	25.72	29.83	30.53	14.86	19.16	23.49	28.78	30.52
			Power	KW	3.72	3.72	3.73	3.75	3.77	3.73	3.73	3.73	3.75	3.77	3.75	3.75	3.75	3.75	3.75	3.77	3.76	3.76	3.76	3.77
		52	Total	MBH	21.53	22.05	23.21	24.39	25.62	22.31	22.29	23.20	24.38	25.61	23.04	23.07	23.20	24.38	25.60	23.74	23.93	23.97	24.37	25.59
			Sens	MBH	19.03	22.05	23.21	24.39	25.62	16.79	21.16	23.20	24.38	25.61	14.62	19.03	23.20	24.38	25.60	12.47	16.77	21.14	24.37	25.59
			Power	KW	3.00	3.00	3.01	3.02	3.03	3.01	3.01	3.01	3.02	3.03	3.01	3.01	3.01	3.02	3.03	3.02	3.02	3.02	3.02	3.03
		56	Total	MBH	10.48	11.55	12.47	13.25	14.26	10.48	11.53	12.45	13.34	14.26	10.60	11.38	12.44	13.36	14.25	10.64	11.43	12.44	13.34	14.25
			Sens	MBH	10.48	11.55	12.47	13.25	14.26	10.48	11.53	12.45	13.34	14.26	9.89	11.38	12.44	13.36	14.25	7.21	11.43	12.44	13.34	14.25
			Power	KW	1.98	1.98	1.97	1.96	1.96	1.98	1.98	1.97	1.96	1.96	1.98	1.98	1.97	1.96	1.96	1.98	1.98	1.97	1.96	1.96

# PERFORMANCE TABLE

MODEL:RIBG-042T/RVBG-042TR																									
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor WB T°C	16					17					18					19						
				21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29		
High	1650	25	Total	MBH	41.19	41.19	40.96	42.31	42.02	42.44	42.50	42.43	42.29	44.01	43.73	43.82	43.87	43.68	43.99	45.04	45.18	45.25	45.27	44.96	
			Sens	MBH	29.51	34.81	40.03	42.31	42.02	26.82	32.04	37.56	42.23	44.01	24.16	29.37	34.56	40.01	43.99	21.49	26.72	31.91	37.04	42.45	
			Power	KW	2.71	2.71	2.71	2.70	2.69	2.70	2.70	2.70	2.69	2.70	2.70	2.69	2.70	2.70	2.70	2.69	2.69	2.69	2.69	2.69	2.69
		30	Total	MBH	39.98	39.94	39.70	41.28	42.98	41.21	41.27	41.16	41.26	42.97	42.43	42.55	42.60	42.36	42.95	43.71	43.89	43.95	43.95	43.65	
			Sens	MBH	28.96	34.32	39.43	41.28	42.98	26.28	31.50	36.98	41.26	42.97	23.59	28.83	34.01	39.41	42.95	20.95	26.18	31.36	36.55	41.86	
			Power	KW	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	
		35	Total	MBH	38.68	38.62	38.54	40.20	41.87	39.90	39.96	39.77	40.18	41.86	41.06	41.19	41.25	40.96	41.84	42.29	42.45	42.56	42.53	42.30	
			Sens	MBH	28.35	33.87	38.54	40.20	41.87	25.70	30.94	36.42	40.18	41.86	23.00	28.24	33.46	38.88	41.84	20.37	25.58	30.78	36.05	41.16	
			Power	KW	3.38	3.38	3.38	3.38	3.39	3.38	3.38	3.38	3.38	3.38	3.39	3.39	3.39	3.38	3.39	3.39	3.39	3.39	3.39	3.39	
		40	Total	MBH	37.26	37.16	37.40	39.01	40.67	38.41	38.53	38.29	39.00	40.66	39.58	39.72	39.77	39.50	40.64	40.74	40.91	41.02	40.93	40.69	
			Sens	MBH	27.71	33.26	37.40	39.01	40.67	25.02	30.31	35.75	39.00	40.66	22.38	27.62	32.87	38.17	40.64	19.72	24.93	30.14	35.59	40.42	
			Power	KW	3.74	3.74	3.74	3.76	3.77	3.75	3.75	3.75	3.76	3.77	3.76	3.76	3.76	3.76	3.76	3.77	3.77	3.77	3.77		
		46	Total	MBH	35.40	35.21	35.83	37.41	39.02	36.48	36.58	36.34	37.39	39.01	37.57	37.71	37.68	37.43	39.00	38.72	38.87	38.99	38.81	38.99	
			Sens	MBH	26.89	32.29	35.83	37.41	39.02	24.18	29.44	34.95	37.39	39.01	21.52	26.74	32.23	37.23	39.00	18.90	24.08	29.31	34.72	38.99	
			Power	KW	4.20	4.20	4.21	4.23	4.25	4.22	4.22	4.22	4.23	4.25	4.23	4.23	4.23	4.23	4.25	4.25	4.25	4.25	4.25		
		50	Total	MBH	27.52	27.53	28.87	30.26	31.68	28.24	28.21	28.87	30.26	31.67	29.09	29.23	29.19	30.24	31.66	29.97	30.12	30.08	30.24	31.65	
			Sens	MBH	22.47	27.53	28.87	30.26	31.68	20.44	25.63	28.87	30.26	31.67	17.87	22.97	28.09	30.24	31.66	15.35	20.35	25.44	30.24	31.65	
			Power	KW	3.81	3.82	3.84	3.85	3.87	3.83	3.83	3.83	3.85	3.87	3.84	3.84	3.84	3.85	3.87	3.85	3.85	3.85	3.85		
		52	Total	MBH	21.58	22.57	23.85	25.11	26.42	22.35	22.58	23.85	25.11	26.41	23.13	23.18	23.84	25.10	26.41	23.82	24.01	24.03	25.09	26.40	
			Sens	MBH	20.73	22.57	23.85	25.11	26.42	18.06	22.58	23.85	25.11	26.41	15.43	20.67	23.84	25.10	26.41	12.90	17.97	23.10	25.09	26.40	
			Power	KW	3.09	3.10	3.11	3.11	3.12	3.09	3.10	3.11	3.11	3.12	3.10	3.10	3.11	3.11	3.12	3.11	3.11	3.11	3.11		
		56	Total	MBH	10.58	11.59	12.48	13.42	14.37	10.58	11.54	12.47	13.41	14.37	10.60	11.52	12.46	13.41	14.36	10.77	11.51	12.46	13.41	14.35	
			Sens	MBH	10.58	11.59	12.48	13.42	14.37	10.58	11.54	12.47	13.41	14.37	10.54	11.52	12.46	13.41	14.36	9.84	11.51	12.46	13.41	14.35	
			Power	KW	2.06	2.06	2.05	2.05	2.04	2.06	2.06	2.05	2.05	2.04	2.06	2.06	2.05	2.05	2.04	2.06	2.06	2.05	2.05		

# PERFORMANCE TABLE

## RIBG-048T/RVBG-048TR

Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor DBT °C	WBT °C	16					17					18					19				
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29
Low	1130	25	Total	MBH	43.97	43.94	43.90	43.74	43.76	45.42	45.40	45.40	45.36	45.16	46.90	46.88	46.86	46.81	48.46	48.45	48.44	48.41	48.38	
			Sens	MBH	27.72	31.60	35.44	39.53	43.66	25.75	29.58	33.42	37.27	41.29	23.73	27.54	31.39	35.19	39.02	21.68	25.54	29.36	33.16	36.93
			Power	KW	3.01	3.01	3.01	3.01	3.01	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
		30	Total	MBH	42.29	42.27	42.23	42.07	42.42	43.71	43.70	43.68	43.63	43.43	45.16	45.14	45.14	45.10	45.02	46.67	46.66	46.67	46.64	46.62
			Sens	MBH	26.94	30.78	34.67	38.77	42.42	24.93	28.77	32.60	36.52	40.64	22.93	26.76	30.59	34.39	38.29	20.90	24.76	28.57	32.37	36.16
			Power	KW	3.33	3.33	3.33	3.33	3.33	3.34	3.34	3.34	3.34	3.34	3.35	3.34	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
		35	Total	MBH	40.55	40.55	40.47	40.28	41.03	41.93	41.94	41.92	41.81	41.62	43.36	43.35	43.35	43.31	43.16	44.82	44.81	44.79	44.81	44.76
			Sens	MBH	26.09	29.95	33.91	38.12	41.03	24.10	27.95	31.78	35.79	39.99	22.12	25.95	29.78	33.60	37.64	20.10	23.95	27.76	31.57	35.40
			Power	KW	3.68	3.68	3.68	3.68	3.69	3.69	3.69	3.69	3.69	3.69	3.70	3.70	3.70	3.70	3.70	3.71	3.71	3.71	3.71	3.71
		40	Total	MBH	38.76	38.75	38.61	38.46	39.65	40.09	40.11	40.07	39.92	39.78	41.50	41.48	41.48	41.42	41.25	42.92	42.92	42.91	42.90	42.81
			Sens	MBH	25.23	29.09	33.15	37.39	39.65	23.26	27.11	30.98	35.07	39.33	21.29	25.11	28.94	32.82	36.91	19.29	23.13	26.95	30.75	34.64
			Power	KW	4.06	4.06	4.06	4.06	4.07	4.07	4.07	4.07	4.07	4.07	4.08	4.08	4.08	4.08	4.08	4.09	4.09	4.09	4.09	4.09
		46	Total	MBH	36.66	36.63	36.47	36.48	37.99	37.97	37.95	37.89	37.73	37.96	39.31	39.31	39.31	39.20	39.02	40.71	40.70	40.69	40.68	40.55
			Sens	MBH	24.25	28.19	32.30	36.40	37.99	22.29	26.13	30.09	34.21	37.96	20.33	24.17	28.00	31.99	36.10	18.36	22.21	26.00	29.87	33.84
			Power	KW	4.47	4.47	4.47	4.47	4.48	4.48	4.48	4.48	4.48	4.48	4.49	4.49	4.49	4.49	4.49	4.50	4.50	4.50	4.50	4.50
		50	Total	MBH	29.01	28.88	28.98	30.39	31.80	30.14	30.07	29.90	30.38	31.79	31.27	31.26	31.17	31.02	31.78	32.46	32.45	32.44	32.28	32.13
			Sens	MBH	20.92	25.08	28.98	30.39	31.80	18.88	22.89	27.06	30.38	31.79	16.94	20.78	24.88	29.09	31.78	14.95	18.82	22.72	26.83	31.11
			Power	KW	3.99	3.99	3.99	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
		52	Total	MBH	22.26	22.33	23.56	24.82	26.12	23.22	23.08	23.55	24.81	26.11	24.18	24.10	23.95	24.80	26.10	25.15	25.15	25.02	24.92	26.09
			Sens	MBH	18.36	22.33	23.56	24.82	26.12	16.11	20.38	23.55	24.81	26.11	14.08	18.17	22.53	24.80	26.10	12.15	16.00	20.21	24.49	26.09
			Power	KW	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22
		56	Total	MBH	13.25	14.26	15.29	16.35	17.44	13.34	14.26	15.29	16.35	17.43	14.06	14.25	15.28	16.34	17.42	14.78	14.68	15.28	16.34	17.42
			Sens	MBH	13.25	14.26	15.29	16.35	17.44	12.98	14.26	15.29	16.35	17.43	10.78	14.25	15.28	16.34	17.42	8.57	12.88	15.28	16.34	17.42
			Power	KW	2.65	2.63	2.61	2.59	2.57	2.65	2.63	2.61	2.59	2.57	2.64	2.63	2.61	2.59	2.57	2.62	2.63	2.61	2.59	2.57
Medium	1170	25	Total	MBH	44.22	44.20	44.19	44.01	44.23	45.68	45.68	45.66	45.63	45.43	47.18	47.18	47.17	47.15	47.08	48.76	48.73	48.74	48.71	48.67
			Sens	MBH	28.04	32.00	36.01	40.21	44.23	25.97	29.93	33.88	37.88	42.09	23.89	27.85	31.79	35.72	39.73	21.79	25.76	29.69	33.62	37.52
			Power	KW	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05
		30	Total	MBH	42.52	42.52	42.45	42.28	42.89	43.94	43.95	43.93	43.85	43.65	45.42	45.42	45.41	45.40	45.25	46.95	46.94	46.95	46.90	46.89
			Sens	MBH	27.21	31.18	35.22	39.53	42.89	25.15	29.11	33.06	37.14	41.43	23.08	27.04	30.99	34.92	39.03	20.99	24.97	28.90	32.83	36.76
			Power	KW	3.36	3.36	3.36	3.36	3.36	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.38	3.38	3.38	3.38	3.38
		35	Total	MBH	40.76	40.77	40.65	40.48	41.52	42.16	42.17	42.14	42.00	41.85	43.58	43.58	43.59	43.56	43.38	45.07	45.08	45.07	45.05	45.01
			Sens	MBH	26.36	30.35	34.49	38.87	41.52	24.32	28.28	32.26	36.44	40.74	22.28	26.23	30.18	34.16	38.35	20.20	24.16	28.09	32.02	36.00
			Power	KW	3.71	3.71	3.71	3.71	3.72	3.72	3.72	3.72	3.72	3.72	3.73	3.73	3.73	3.73	3.73	3.74	3.74	3.74	3.74	3.74
		40	Total	MBH	38.95	38.94	38.79	38.67	40.07	40.31	40.31	40.28	40.10	40.09	41.70	41.69	41.68	41.61	41.46	43.15	43.13	43.14	43.13	43.03
			Sens	MBH	25.50	29.51	33.73	38.15	40.07	23.47	27.43	31.46	35.69	39.98	21.44	25.39	29.32	33.36	37.58	19.38	23.33	27.28	31.20	35.25
			Power	KW	4.09	4.09	4.09	4.09	4.10	4.10	4.10	4.10	4.10	4.11	4.11	4.11	4.11	4.11	4.11	4.10	4.12	4.12	4.12	4.12
		46	Total	MBH	36.83	36.78	36.63	36.80	38.37	38.14	38.15	38.05	37.89	38.36	39.51	39.50	39.49	39.36	39.20	40.91	40.90	40.88	40.73	
			Sens	MBH	24.52	28.59	32.89	36.80	38.37	22.48	26.46	30.58	34.87	38.36	20.48	24.43	28.39	32.53	36.84	18.44	22.41	26.33	30.34	34.49
			Power	KW	4.50	4.50	4.49	4.50	4.51	4.51	4.51	4.51	4.51	4.51	4.52	4.52	4.52	4.52	4.52	4.53	4.53	4.53	4.53	4.53
		50	Total	MBH	29.08	28.94	29.23	30.65	32.10	30.23	30.14	29.98	30.64	32.09	31.37	31.36	31.23	31.06	32.07	32.55	32.56	32.53	32.37	32.24
			Sens	MBH	21.19	25.50	29.23	30.65	32.10	19.06	23.25	27.63	30.64	32.09	17.05	21.04	25.32	29.79	32.07	15.05	19.01	23.06	27.31	31.70
			Power	KW	4.02	4.02	4.02	4.03	4.03	4.02	4.02	4.02	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
		52	Total	MBH	22.26	22.44	23.71	24.99	26.31	23.23	23.10	23.70	24.99	26.30	24.21	24.11	23.98	24.98	26.29	25.17	25.18	25.05	24.97	26.28
			Sens	MBH	18.59	22.44	23.71	24.99	26.31	16.30	20.75	23.70	24.99	26.30	14.19	18.47	22.93	24.98	26.29	12.20	16.20	20.51	24.96	26.28
			Power	KW	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
		56	Total	MBH	13.26	14.28	15.32	16.40	17.49	13.27	14.27	15.32	16.39	17.49	13.97	14.27	15.32	16.39	17.48	14.74	14.61	15.31	16.38	17.47
			Sens	MBH	13.26	14.28	15.32	16.40	17.49	13.24	14.27	15.32	16.39	17.49	10.93	14.27	15.32	16.39	17.48	8.67	13.10	15.31	16.38	17.47
			Power	KW	2.68	2.66	2.64	2.62	2.59	2.68	2.66	2.64	2.62	2.59	2.66	2.66	2.64	2.62	2.59	2.65	2.65	2.64	2.62	2.59

# PERFORMANCE TABLE

RIBG-048T/RVBG-048TR																								
Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor DBT °C	WBT °C	16					17					18					19				
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29
High	1640	25	Total	MBH	46.88	46.85	46.66	47.42	49.31	48.42	48.43	48.33	48.16	49.32	50.02	50.03	50.04	49.87	49.72	51.66	51.65	51.66	51.67	51.47
			Sens	MBH	31.62	37.07	42.95	47.42	49.31	28.85	34.16	39.78	45.62	49.32	26.07	31.38	36.71	42.42	48.07	23.31	28.60	33.88	39.22	44.92
			Power	KW	3.15	3.15	3.15	3.15	3.16	3.15	3.15	3.15	3.15	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16
		30	Total	MBH	45.00	44.91	44.71	45.88	47.74	46.51	46.51	46.36	46.25	47.73	48.07	48.07	48.08	47.89	47.82	49.63	49.66	49.66	49.62	49.41
			Sens	MBH	30.76	36.31	42.23	45.88	47.74	28.00	33.31	39.05	44.83	47.73	25.23	30.55	35.92	41.62	47.37	22.49	27.77	33.06	38.47	44.27
			Power	KW	3.48	3.48	3.48	3.48	3.49	3.48	3.48	3.48	3.48	3.49	3.49	3.49	3.49	3.49	3.49	3.50	3.50	3.50	3.50	3.50
		35	Total	MBH	43.06	42.91	42.77	44.25	46.18	44.53	44.53	44.35	44.31	46.16	46.04	46.05	45.99	45.78	46.16	47.58	47.61	47.62	47.51	47.30
			Sens	MBH	29.88	35.59	41.41	44.25	46.18	27.13	32.50	38.26	44.05	46.16	24.40	29.69	35.10	40.96	46.13	21.65	26.94	32.22	37.75	43.56
			Power	KW	3.83	3.83	3.83	3.84	3.85	3.84	3.84	3.84	3.84	3.85	3.85	3.85	3.85	3.85	3.85	3.86	3.86	3.86	3.86	3.86
		40	Total	MBH	41.04	40.86	40.79	42.60	44.51	42.49	42.43	42.24	42.59	44.50	43.95	43.96	43.66	43.65	44.46	45.47	45.49	45.49	45.32	45.15
			Sens	MBH	29.02	34.77	40.58	42.60	44.51	26.25	31.66	37.55	42.58	44.50	23.53	28.83	34.31	40.20	44.46	20.79	26.08	31.42	37.10	42.85
			Power	KW	4.21	4.21	4.21	4.22	4.24	4.22	4.22	4.22	4.22	4.24	4.23	4.23	4.22	4.23	4.24	4.24	4.24	4.24	4.24	4.24
		46	Total	MBH	38.68	38.48	38.87	40.71	42.61	40.12	40.02	39.81	40.70	42.55	41.55	41.56	41.39	41.21	42.56	43.01	43.04	43.00	42.81	42.69
			Sens	MBH	28.05	33.94	38.87	40.71	42.61	25.24	30.85	36.68	40.70	42.55	22.54	27.88	33.59	39.42	42.56	19.84	25.10	30.52	36.24	42.01
			Power	KW	4.62	4.62	4.62	4.63	4.65	4.63	4.63	4.63	4.63	4.65	4.64	4.64	4.64	4.64	4.65	4.65	4.65	4.65	4.65	4.65
		50	Total	MBH	30.04	30.24	31.87	33.55	35.25	31.32	31.11	31.86	33.53	35.25	32.59	32.44	32.24	33.53	35.23	33.82	33.83	33.63	33.55	35.23
			Sens	MBH	24.96	30.24	31.87	33.55	35.25	21.85	27.92	31.86	33.53	35.25	18.98	24.78	30.71	33.53	35.23	16.30	21.69	27.49	33.42	35.23
			Power	KW	4.13	4.13	4.13	4.14	4.14	4.13	4.13	4.13	4.14	4.14	4.14	4.13	4.13	4.14	4.14	4.14	4.14	4.14	4.14	4.14
		52	Total	MBH	22.64	24.02	25.48	26.97	28.48	23.68	24.02	25.47	26.96	28.47	24.76	24.57	25.46	26.95	28.47	25.82	25.69	25.52	26.94	28.46
			Sens	MBH	22.50	24.02	25.48	26.97	28.48	19.33	24.02	25.47	26.96	28.47	16.20	22.32	25.46	26.95	28.47	13.33	19.22	25.17	26.94	28.46
			Power	KW	3.35	3.35	3.35	3.35	3.34	3.35	3.35	3.35	3.35	3.34	3.35	3.35	3.35	3.35	3.35	3.34	3.35	3.35	3.35	3.34
		56	Total	MBH	13.80	14.91	16.07	17.25	18.46	13.79	14.91	16.07	17.25	18.46	13.94	14.91	16.07	17.25	18.45	14.72	14.90	16.06	17.24	18.45
			Sens	MBH	13.80	14.91	16.07	17.25	18.46	13.79	14.91	16.07	17.25	18.46	13.28	14.91	16.07	17.25	18.45	10.07	14.90	16.06	17.24	18.45
			Power	KW	2.76	2.74	2.72	2.70	2.67	2.77	2.74	2.72	2.70	2.67	2.76	2.74	2.72	2.70	2.68	2.75	2.74	2.72	2.70	2.68

# PERFORMANCE TABLE

RIBG-054T/RVBG-054TR																									
Fan Speed	Air Flow @ Rated ESP CFM	ODU DBT °C	Indoor	WBT °C DBT °C	16					17					18					19					
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	
Low	1130	25	Total	MBH	48.79	48.70	48.68	48.63	48.38	50.36	50.36	50.36	50.30	50.21	52.08	52.08	51.99	51.91	51.90	53.85	53.70	53.76	53.75	53.68	
			Sens	MBH	30.06	33.85	37.64	41.42	45.46	28.05	31.87	35.69	39.45	43.16	26.06	29.89	33.65	37.39	41.17	24.02	27.85	31.65	35.44	39.16	
			Power	KW	3.41	3.41	3.42	3.41	3.41	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
		30	Total	MBH	47.09	47.03	47.03	46.93	46.66	48.62	48.60	48.57	48.58	48.44	50.28	50.24	50.24	50.16	50.16	51.95	51.93	51.97	51.87	51.86	
			Sens	MBH	29.20	32.99	36.82	40.65	44.76	27.19	31.00	34.79	38.60	42.42	25.21	29.01	32.81	36.55	40.33	23.17	27.02	30.82	34.56	38.32	
			Power	KW	3.77	3.77	3.77	3.76	3.76	3.77	3.77	3.77	3.77	3.77	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78
		35	Total	MBH	45.26	45.28	45.21	45.09	44.95	46.82	46.79	46.77	46.71	46.55	48.45	48.41	48.41	48.27	48.33	50.07	49.99	49.99	50.01	49.92	
			Sens	MBH	28.28	32.12	35.88	39.93	44.19	26.32	30.12	33.92	37.65	41.71	24.35	28.15	31.95	35.65	39.47	22.33	26.14	29.92	33.70	37.41	
			Power	KW	4.15	4.15	4.15	4.15	4.15	4.16	4.16	4.16	4.16	4.16	4.17	4.17	4.17	4.16	4.17	4.18	4.18	4.18	4.18	4.18	4.18
		40	Total	MBH	43.48	43.41	43.39	43.25	43.14	44.91	44.90	44.92	44.84	44.65	46.42	46.48	46.49	46.43	46.34	48.05	48.06	48.06	48.07	48.04	
			Sens	MBH	27.40	31.18	34.98	39.07	43.14	25.40	29.21	33.03	36.76	40.89	23.43	27.25	31.06	34.80	38.52	21.43	25.26	29.05	32.83	36.59	
			Power	KW	4.56	4.56	4.56	4.56	4.56	4.57	4.57	4.57	4.57	4.57	4.57	4.59	4.59	4.59	4.59	4.60	4.60	4.60	4.60	4.60	
		46	Total	MBH	41.11	41.11	41.04	40.83	41.43	42.59	42.54	42.60	42.44	42.18	44.03	44.05	44.05	44.03	43.84	45.55	45.58	45.62	45.56	45.55	
			Sens	MBH	26.23	30.05	34.01	38.00	41.43	24.30	28.09	31.93	35.85	39.86	22.33	26.14	29.93	33.68	37.68	20.36	24.18	27.97	31.70	35.44	
			Power	KW	5.10	5.09	5.09	5.09	5.10	5.11	5.11	5.11	5.11	5.11	5.12	5.12	5.12	5.12	5.12	5.14	5.14	5.14	5.14	5.14	
		50	Total	MBH	39.54	39.55	39.42	39.25	40.18	40.96	40.99	40.98	40.77	40.65	42.39	42.39	42.42	42.37	42.19	43.84	43.89	43.91	43.91	43.86	
			Sens	MBH	25.49	29.30	33.38	37.37	40.18	23.55	27.37	31.17	35.23	39.35	21.59	25.39	29.19	32.93	36.98	19.62	23.44	27.21	30.99	34.83	
			Power	KW	5.47	5.47	5.47	5.47	5.48	5.49	5.49	5.49	5.48	5.48	5.50	5.50	5.50	5.50	5.50	5.51	5.51	5.51	5.51	5.51	
		52	Total	MBH	25.88	25.72	26.43	27.77	29.17	26.94	26.83	26.75	27.81	29.14	27.96	27.98	27.83	27.74	29.17	28.98	29.08	29.09	28.92	29.09	
			Sens	MBH	19.36	23.69	26.43	27.77	29.17	17.40	21.47	25.79	27.81	29.14	15.46	19.27	23.45	27.74	29.17	13.52	17.36	21.16	25.40	29.09	
			Power	KW	3.49	3.49	3.49	3.48	3.48	3.48	3.48	3.48	3.49	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	
		56	Total	MBH	18.67	19.39	20.68	21.98	23.28	19.60	19.56	20.67	21.96	23.27	20.59	20.50	20.66	21.94	23.24	21.41	21.56	21.43	21.95	23.25	
			Sens	MBH	16.69	19.39	20.68	21.98	23.28	14.72	18.99	20.67	21.96	23.27	12.55	16.63	20.66	21.94	23.24	10.63	14.48	18.76	21.95	23.25	
			Power	KW	2.90	2.89	2.87	2.85	2.83	2.88	2.89	2.87	2.85	2.83	2.87	2.87	2.87	2.85	2.83	2.86	2.86	2.86	2.85	2.83	
Medium	1380	25	Total	MBH	51.11	51.03	50.96	50.80	50.98	52.73	52.68	52.69	52.62	52.40	54.50	54.44	54.49	54.51	54.39	56.18	56.19	56.20	56.19	56.15	
			Sens	MBH	32.30	36.85	41.36	46.32	50.98	29.87	34.42	38.98	43.47	48.49	27.49	32.03	36.60	41.17	45.70	25.04	29.61	34.15	38.65	43.14	
			Power	KW	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	
		30	Total	MBH	49.18	49.22	49.14	48.95	49.53	50.85	50.80	50.82	50.71	50.54	52.42	52.54	52.48	52.38	54.20	54.25	54.26	54.21	54.20		
			Sens	MBH	31.35	35.96	40.47	45.53	49.53	28.99	33.53	38.11	42.67	47.81	26.57	31.16	35.69	40.21	44.98	24.18	28.76	33.29	37.77	42.28	
			Power	KW	3.82	3.82	3.82	3.82	3.82	3.83	3.83	3.83	3.83	3.83	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84		
		35	Total	MBH	47.28	47.22	47.16	47.00	47.91	48.85	48.86	48.82	48.66	48.48	50.54	50.56	50.49	50.52	50.27	52.19	52.23	52.24	52.17	52.18	
			Sens	MBH	30.44	34.97	39.73	44.71	47.91	28.06	32.63	37.14	42.01	46.81	25.69	30.27	34.78	39.32	44.12	23.31	27.87	32.41	36.88	41.41	
			Power	KW	4.21	4.21	4.21	4.21	4.22	4.22	4.22	4.22	4.22	4.22	4.23	4.23	4.23	4.23	4.23	4.24	4.24	4.24	4.24		
		40	Total	MBH	45.26	45.26	45.13	44.97	46.48	46.76	46.86	46.80	46.62	46.48	48.40	48.50	48.44	48.41	48.22	50.02	50.05	50.16	50.08	50.06	
			Sens	MBH	29.47	34.04	38.97	44.07	46.48	27.10	31.71	36.21	41.14	46.43	24.76	29.36	33.86	38.36	43.44	22.40	26.94	31.51	35.98	40.55	
			Power	KW	4.63	4.63	4.63	4.63	4.64	4.64	4.64	4.64	4.64	4.64	4.65	4.65	4.65	4.65	4.65	4.67	4.67	4.67	4.67		
		46	Total	MBH	42.74	42.79	42.60	42.67	44.43	44.32	44.30	44.25	44.01	44.41	45.78	45.87	45.90	45.74	45.52	47.34	47.46	47.48	47.49	47.26	
			Sens	MBH	28.29	32.87	37.97	42.67	44.43	25.99	30.53	35.20	40.08	44.41	23.62	28.19	32.75	37.47	42.39	21.28	25.84	30.37	34.90	39.72	
			Power	KW	5.16	5.16	5.16	5.16	5.18	5.18	5.18	5.18	5.17	5.18	5.19	5.19	5.19	5.19	5.19	5.21	5.21	5.21	5.21		
		50	Total	MBH	41.10	41.01	40.81	41.30	43.09	42.56	42.62	42.50	42.29	43.09	44.03	44.13	44.08	43.91	43.72	45.51	45.61	45.47	45.70	45.52	
			Sens	MBH	27.53	32.20	37.19	41.30	43.09	25.21	29.80	34.69	39.54	43.09	22.85	27.44	31.94	36.82	41.86	20.53	25.06	29.50	34.15	39.05	
			Power	KW	5.54	5.54	5.54	5.54	5.56	5.55	5.55	5.55	5.55	5.56	5.57	5.57	5.57	5.57	5.56	5.58	5.58	5.57	5.58		
		52	Total	MBH	26.41	26.46	27.87	29.38	30.91	27.56	27.40	27.91	29.37	30.90	28.60	28.61	28.46	29.32	30.83	29.66	29.77	29.65	29.52	30.82	
			Sens	MBH	21.53	26.46	27.87	29.38	30.91	18.84	23.90	27.91	29.37	30.90	16.52	21.27	26.52	29.32	30.83	14.21	18.80	23.75	28.79	30.82	
			Power	KW	3.54	3.54	3.53	3.53	3.52	3.53	3.53	3.53	3.53	3.52	3.53	3.53	3.53	3.53	3.52	3.53	3.53	3.53	3.53		
		56	Total	MBH	19.00	20.28	21.69	23.06	24.50	19.89	20.28	21.68	23.09	24.51	20.88	20.79	21.63	23.05	24.50	21.76	21.82	21.74	23.07	24.49	
			Sens	MBH	19.00	20.28	21.69	23.06	24.50	16.17	20.28	21.68	23.09	24.51	13.49	18.98	21.63	23.05	24.50	11.25	16.20	21.56	23.07	24.49	
			Power	KW	2.94	2.92	2.90	2.88	2.87	2.93	2.92	2.90	2.88	2.87	2.91	2.91	2.90	2.88	2.87	2.90	2.90	2.88	2.88		

# PERFORMANCE TABLE

## RIBG-054T/RVBG-054TR

Fan Speed	Air Flow @Rated ESP CFM	ODU DBT °C	Indoor	WBT °C DBT °C	16					17					18					19				
					21	23	25	27	29	21	23	25	27	29	21	23	25	27	29	21	23	25	27	29
					High	1720	25	Total	MBH	52.95	53.00	52.74	52.55	54.64	54.66	54.80	54.73	54.43	54.44	56.37	56.61	56.45	56.46	56.16
Sens	MBH	34.64	40.21	46.10				52.13	54.64	31.75	37.34	42.79	48.72	54.44	28.86	34.45	39.82	45.38	51.36	25.96	31.44	36.94	42.35	48.06
Power	KW	3.58	3.58	3.58				3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58
30	Total	MBH	50.98	50.90			50.71	50.87	52.88	52.65	52.67	52.62	52.37	52.87	54.42	54.39	54.50	54.32	54.06	56.07	56.22	56.19	56.30	56.05
	Sens	MBH	33.73	39.18			45.28	50.87	52.88	30.84	36.35	41.80	47.96	52.87	27.98	33.45	39.01	44.71	50.59	25.09	30.58	36.02	41.56	47.33
	Power	KW	3.94	3.94			3.94	3.94	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.96	3.96	3.96	3.96	3.96
35	Total	MBH	48.87	48.87			48.64	49.23	51.26	50.48	50.53	50.46	50.25	51.25	52.14	52.27	52.30	52.14	51.87	53.83	53.98	54.02	54.11	53.79
	Sens	MBH	32.74	38.24			44.50	49.23	51.26	29.87	35.38	41.13	47.15	51.25	27.02	32.53	38.01	43.96	49.75	24.16	29.65	35.10	40.64	46.46
	Power	KW	4.33	4.33			4.33	4.34	4.35	4.34	4.34	4.34	4.34	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.36	4.36	4.37	4.36
40	Total	MBH	46.77	46.68			46.49	47.56	49.52	48.34	48.38	48.22	48.00	49.55	49.95	50.07	50.04	49.85	49.64	51.61	51.76	51.80	51.80	51.55
	Sens	MBH	31.78	37.54			43.63	47.56	49.52	28.92	34.42	40.33	46.56	49.55	26.07	31.59	37.03	42.98	49.30	23.25	28.74	34.20	39.68	45.73
	Power	KW	4.75	4.75			4.75	4.76	4.77	4.77	4.77	4.76	4.76	4.77	4.78	4.78	4.78	4.78	4.78	4.78	4.79	4.79	4.79	4.79
46	Total	MBH	44.09	44.02			43.74	45.44	47.37	45.54	45.70	45.50	45.32	47.35	47.18	47.29	47.26	47.11	47.29	48.73	48.91	49.02	48.86	48.69
	Sens	MBH	30.54	36.53			42.64	45.44	47.37	27.67	33.25	39.32	45.30	47.35	24.91	30.40	36.01	42.15	47.29	22.10	27.56	33.06	38.90	44.86
	Power	KW	5.29	5.29			5.29	5.30	5.32	5.30	5.30	5.30	5.30	5.32	5.32	5.32	5.32	5.32	5.32	5.33	5.33	5.33	5.33	
50	Total	MBH	42.31	42.17			41.96	43.90	45.86	43.84	43.79	43.58	43.88	45.86	45.32	45.44	45.31	45.12	45.82	46.83	47.02	47.12	46.89	46.71
	Sens	MBH	29.75	35.87			41.93	43.90	45.86	26.96	32.47	38.55	43.88	45.86	24.12	29.63	35.45	41.43	45.82	21.33	26.81	32.30	38.12	44.24
	Power	KW	5.66	5.66			5.66	5.68	5.70	5.68	5.68	5.68	5.68	5.70	5.69	5.70	5.69	5.69	5.70	5.71	5.71	5.71	5.71	
52	Total	MBH	26.60	27.58			29.07	30.75	32.42	27.81	27.64	29.12	30.71	32.41	28.97	28.86	29.11	30.74	32.40	29.99	30.16	29.93	30.69	32.38
	Sens	MBH	23.98	27.58			29.07	30.75	32.42	20.85	27.01	29.12	30.71	32.41	17.60	23.82	29.11	30.74	32.40	14.80	20.32	26.66	30.69	32.38
	Power	KW	3.64	3.64			3.64	3.63	3.63	3.64	3.64	3.64	3.63	3.63	3.64	3.64	3.64	3.63	3.63	3.64	3.63	3.64	3.63	
56	Total	MBH	19.51	20.94			22.41	23.98	25.48	19.84	20.89	22.44	23.98	25.47	20.90	20.96	22.46	23.97	25.47	21.78	21.83	22.39	23.92	25.46
	Sens	MBH	19.51	20.94			22.41	23.98	25.48	18.11	20.89	22.44	23.98	25.47	14.97	20.96	22.46	23.97	25.47	11.75	18.03	22.39	23.92	25.46
	Power	KW	3.04	3.02			3.00	2.98	2.97	3.03	3.02	3.00	2.98	2.97	3.02	3.02	3.00	2.98	2.97	3.01	3.00	3.00	2.98	





# AIR FLOW PERFORMANCE DATA - RIBG - T 50Hz

AIR FLOW PERFORMANCE DATA - RIBG-T 50Hz											
MODEL No.	ESP Setting	Fan Speed	CFM @ EXTERNAL STATIC PRESSURE (Pa)								
			0	25	37	50	75	100	125	150	180
<b>RIBG-018T</b>	1	High	-	660	410	-	-	-	-	-	-
		Medium	-	610	330	-	-	-	-	-	-
		Low	-	490	200	-	-	-	-	-	-
	2	High	-	-	730	480	-	-	-	-	-
		Medium	-	-	580	380	-	-	-	-	-
		Low	-	-	470	310	-	-	-	-	-
	3	High	-	-	690	690	-	-	-	-	-
		Medium	-	-	600	600	-	-	-	-	-
		Low	-	-	480	480	-	-	-	-	-
	4	High	-	-	920	920	350	-	-	-	-
		Medium	-	-	800	800	280	-	-	-	-
		Low	-	-	690	690	200	-	-	-	-
	5	High	-	-	-	920	610	-	-	-	-
		Medium	-	-	-	920	610	-	-	-	-
		Low	-	-	-	920	500	-	-	-	-
<b>RIBG-024T</b>	1	High	-	920	790	570	-	-	-	-	
		Medium	-	830	650	360	-	-	-	-	
		Low	-	750	550	190	-	-	-	-	
	2	High	-	980	870	680	-	-	-	-	
		Medium	-	950	830	630	-	-	-	-	
		Low	-	830	650	360	-	-	-	-	
	3	High	-	-	950	830	250	-	-	-	
		Medium	-	-	950	830	250	-	-	-	
		Low	-	-	870	680	170	-	-	-	
	4	High	-	-	980	930	450	-	-	-	
		Medium	-	-	980	930	450	-	-	-	
		Low	-	-	790	570	250	-	-	-	
	5	High	-	-	-	970	700	-	-	-	
		Medium	-	-	-	970	700	-	-	-	
		Low	-	-	-	970	700	-	-	-	
<b>RIBG-030T</b>	1	High	-	1460	1340	1120	630	-	-	-	
		Medium	-	1340	1220	930	330	-	-	-	
		Low	-	1230	1070	790	190	-	-	-	
	2	High	-	1520	1410	1230	730	-	-	-	
		Medium	-	1400	1280	1020	480	-	-	-	
		Low	-	1280	1140	860	260	-	-	-	
	3	High	-	-	1480	1350	830	-	-	-	
		Medium	-	-	1340	1120	630	-	-	-	
		Low	-	-	1220	930	330	-	-	-	
	4	High	-	-	-	1410	960	510	-	-	
		Medium	-	-	-	1410	960	510	-	-	
		Low	-	-	-	1350	830	300	-	-	
	5	High	-	-	-	1510	1430	870	-	-	
		Medium	-	-	-	1510	1430	870	-	-	
		Low	-	-	-	1510	1430	870	-	-	
<b>RIBG-036T</b>	1	High	-	1290	1190	930	580	-	-	-	
		Medium	-	1200	1090	820	310	-	-	-	
		Low	-	1100	980	640	190	-	-	-	
	2	High	-	1350	1250	1070	640	210	-	-	
		Medium	-	1250	1140	880	450	130	-	-	
		Low	-	1150	980	730	250	110	-	-	
	3	High	-	-	1310	1210	690	280	-	-	
		Medium	-	-	1200	930	580	140	-	-	
		Low	-	-	1090	820	310	120	-	-	
	4	High	-	-	1400	1290	900	450	-	-	
		Medium	-	-	1400	1290	900	450	-	-	
		Low	-	-	1320	1210	700	280	-	-	
	5	High	-	-	-	1400	1180	810	350	-	
		Medium	-	-	-	1400	1180	810	350	-	
		Low	-	-	-	1400	1180	810	350	-	

# AIR FLOW PERFORMANCE DATA - RIBG - T 50Hz

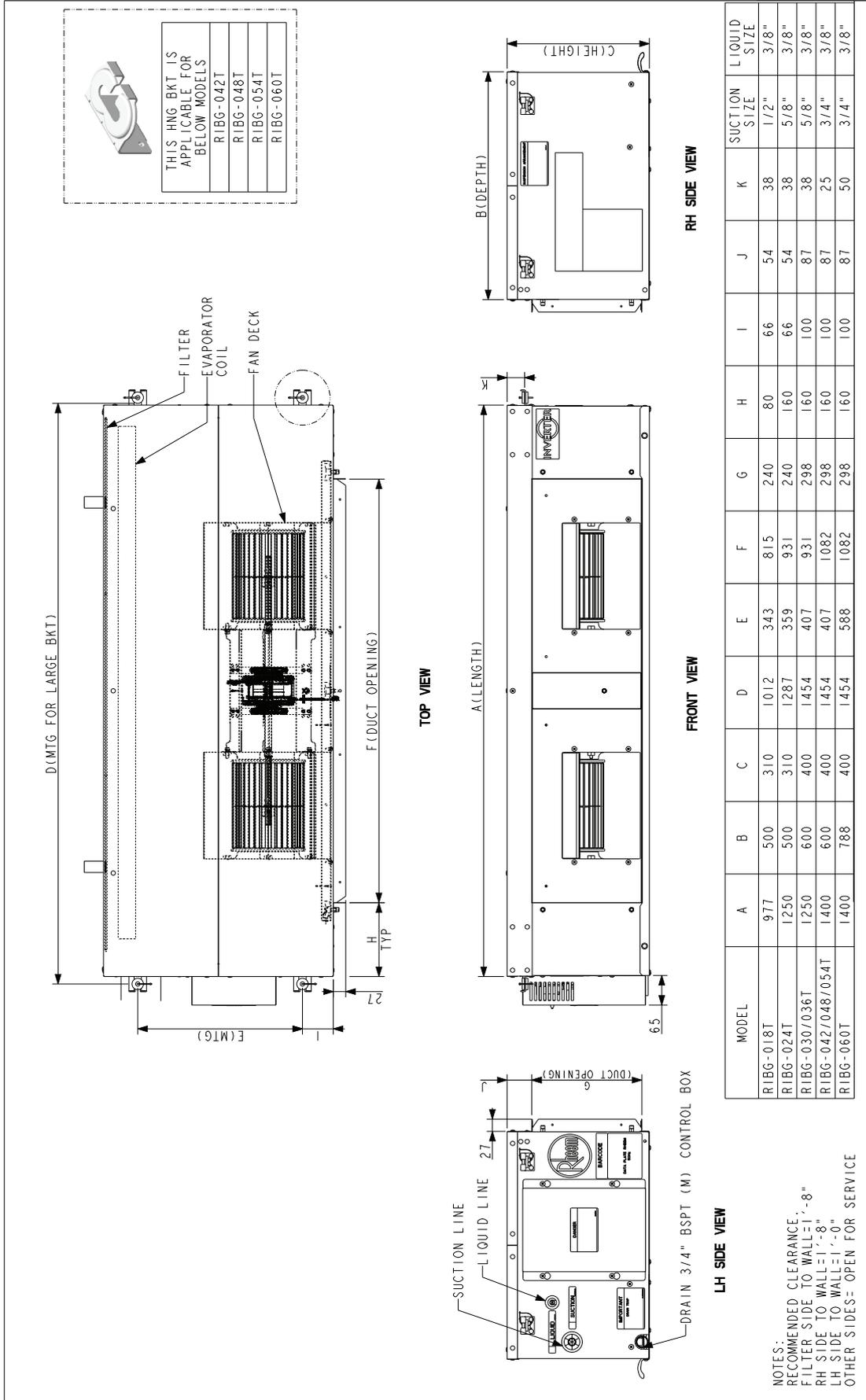
AIR FLOW PERFORMANCE DATA - RIBG-T 50Hz											
MODEL No.	ESP Setting	Fan Speed	CFM @ EXTERNAL STATIC PRESSURE (Pa)								
			0	25	37	50	75	100	125	150	180
<b>RIBG-042T</b>	1	High	-	1770	1650	1510	880	430	-	-	-
		Medium	-	1480	1360	1180	550	250	-	-	-
		Low	-	1320	1210	1050	490	220	-	-	-
	2	High	-	-	1810	1780	1460	860	-	-	-
		Medium	-	-	1650	1510	880	430	-	-	-
		Low	-	-	1500	1320	630	280	-	-	-
	3	High	-	-	1810	1780	1680	1190	620	-	-
		Medium	-	-	1810	1770	1460	860	460	-	-
		Low	-	-	1810	1660	1170	610	320	-	-
	4	High	-	-	-	1770	1690	1440	840	510	-
		Medium	-	-	-	1770	1680	1190	620	360	-
		Low	-	-	-	1770	1680	1190	620	360	-
	5	High	-	-	-	-	1680	1560	1420	910	540
		Medium	-	-	-	-	1690	1570	1150	680	400
		Low	-	-	-	-	1690	1570	1150	680	400
<b>RIBG-048T</b>	1	High	-	1800	1750	1640	1250	650	-	-	-
		Medium	-	1600	1470	1170	520	220	-	-	-
		Low	-	1540	1410	1130	300	150	-	-	-
	2	High	-	1800	1750	1720	1340	750	-	-	-
		Medium	-	1800	1750	1640	1130	480	-	-	-
		Low	-	1740	1620	1360	980	340	-	-	-
	3	High	-	-	1760	1720	1560	1160	570	-	-
		Medium	-	-	1750	1710	1340	750	370	-	-
		Low	-	-	1750	1640	1130	480	250	-	-
	4	High	-	-	-	1730	1600	1480	1220	550	-
		Medium	-	-	-	1730	1600	1330	720	410	-
		Low	-	-	-	1720	1560	1160	500	300	-
	5	High	-	-	-	1720	1600	1480	1390	1320	560
		Medium	-	-	-	1720	1600	1480	1390	1320	560
		Low	-	-	-	1720	1590	1480	1380	790	430
<b>RIBG-054T</b>	1	High	-	1800	1750	1720	1340	750	-	-	-
		Medium	-	1740	1620	1380	980	340	-	-	-
		Low	-	1600	1470	1180	520	200	-	-	-
	2	High	-	1800	1750	1720	1340	750	-	-	-
		Medium	-	1800	1750	1640	1130	480	-	-	-
		Low	-	1740	1620	1360	980	340	-	-	-
	3	High	-	-	1760	1720	1560	1160	570	-	-
		Medium	-	-	1750	1710	1340	750	370	-	-
		Low	-	-	1750	1640	1130	480	250	-	-
	4	High	-	-	-	1730	1600	1480	1220	550	-
		Medium	-	-	-	1730	1600	1330	720	410	-
		Low	-	-	-	1720	1560	1160	500	300	-
	5	High	-	-	-	1720	1600	1480	1390	1320	560
		Medium	-	-	-	1720	1600	1480	1390	1320	560
		Low	-	-	-	1720	1590	1480	1380	790	430

ESP1 Setting is by default from factory

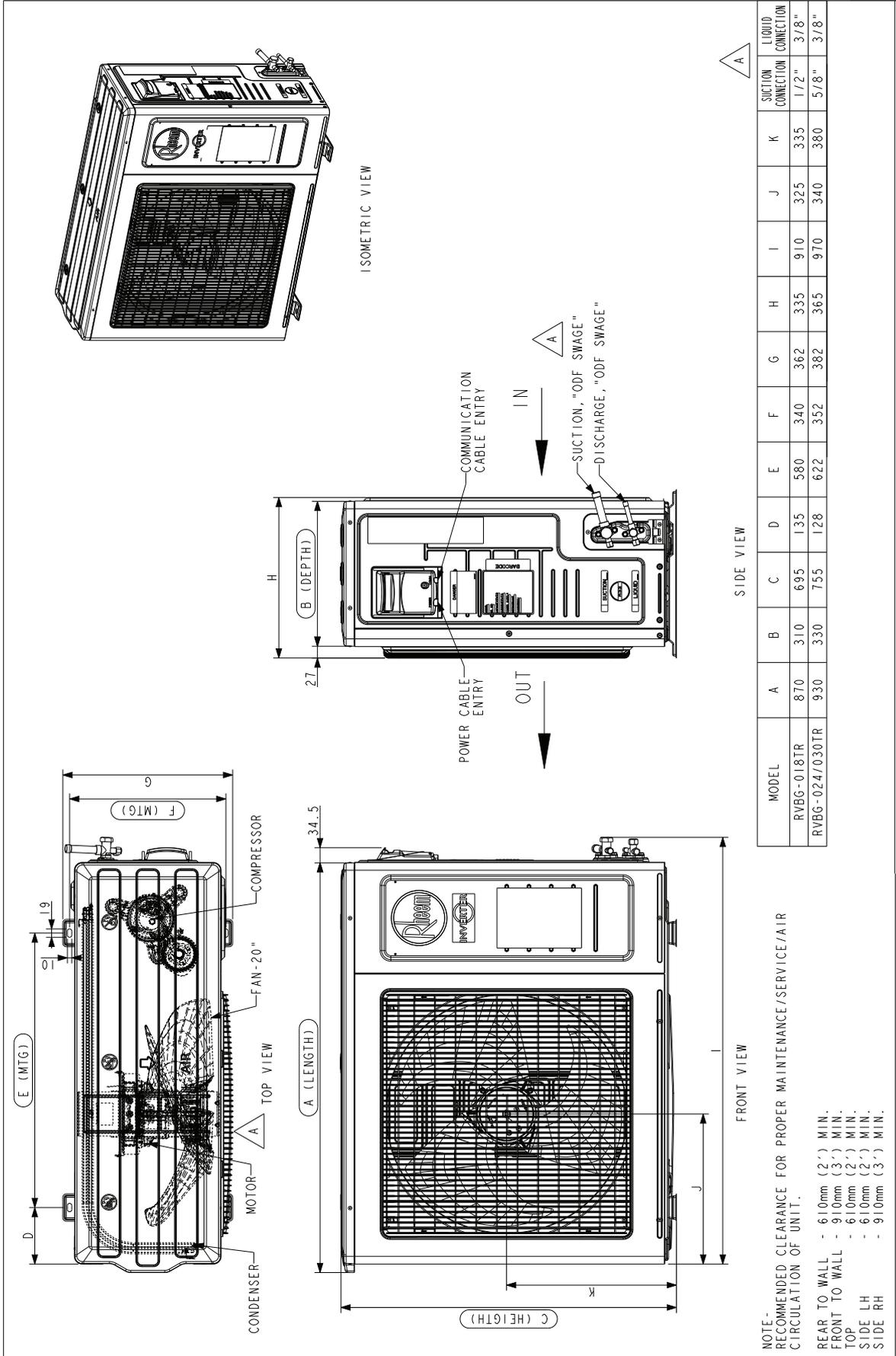
Airflow is at dry coil condition

Specifications are subject to change without prior notice due to continuous product development.

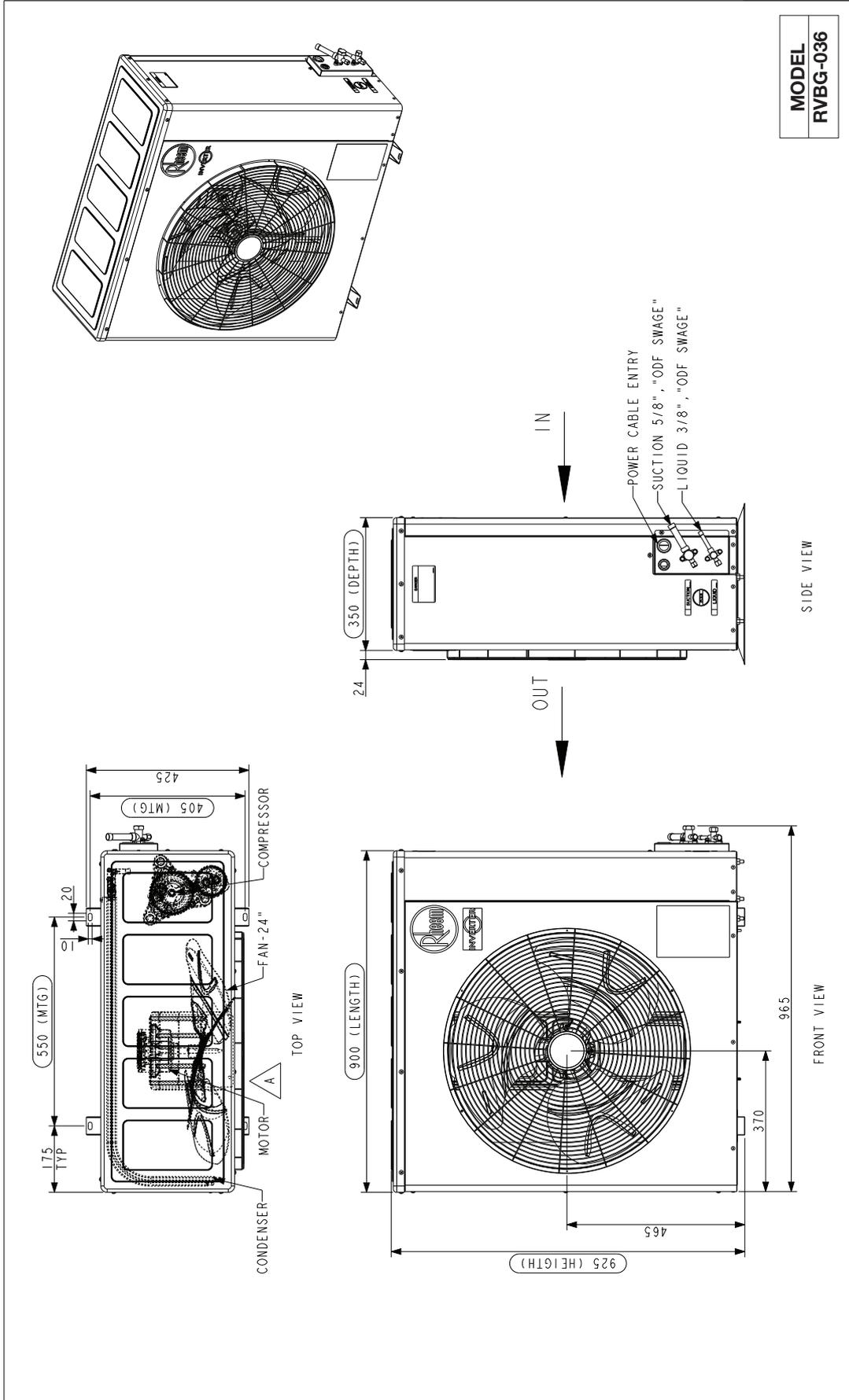
# GENERAL ARRANGEMENT DRAWING INDOOR UNITS



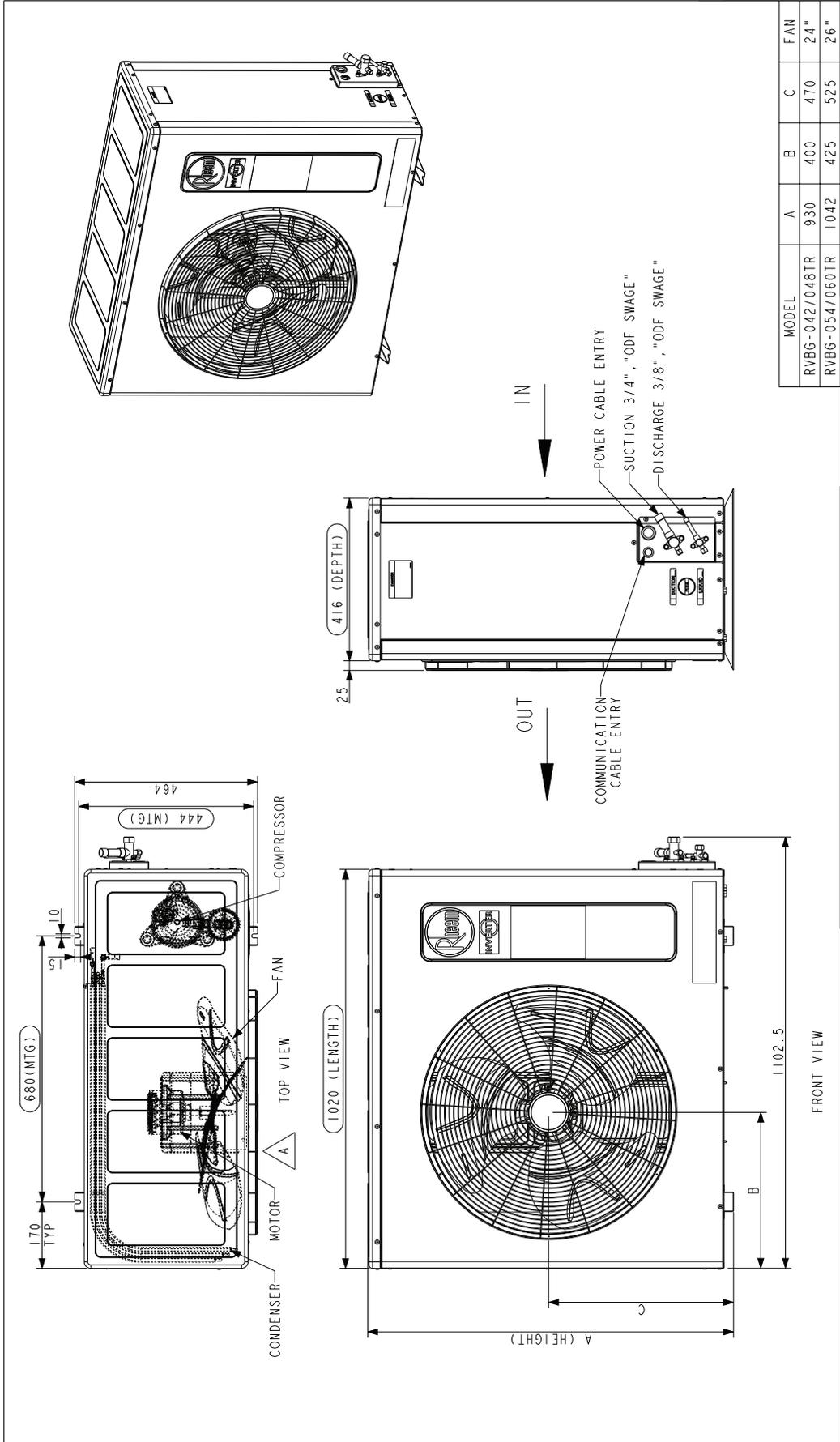
# GENERAL ARRANGEMENT DRAWING OUTDOOR UNITS



# GENERAL ARRANGEMENT DRAWING OUTDOOR UNITS



# GENERAL ARRANGEMENT DRAWING OUTDOOR UNITS

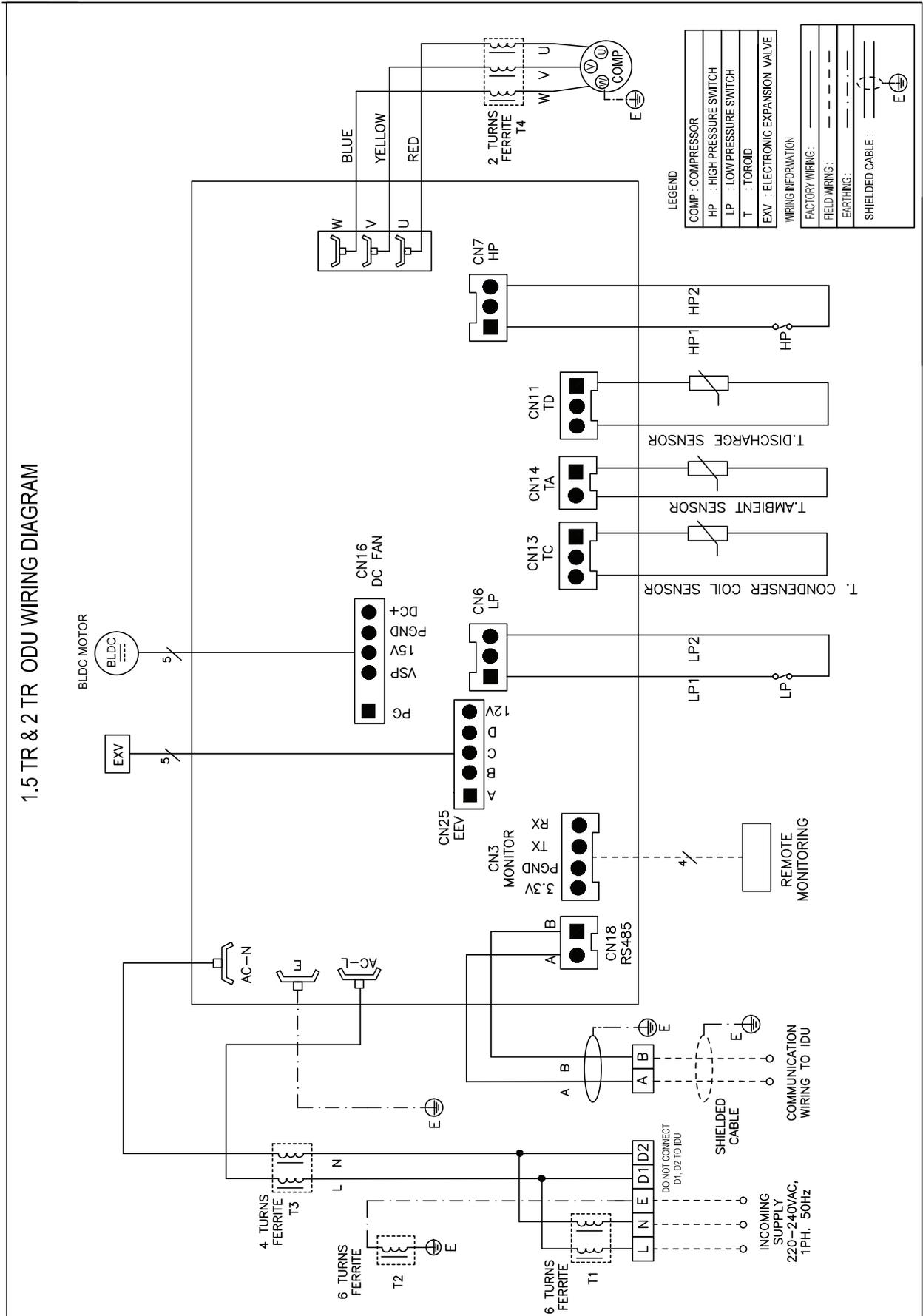


MODEL	A	B	C	FAN
RVBG-042/048TR	930	400	470	24"
RVBG-054/060TR	1042	425	525	26"

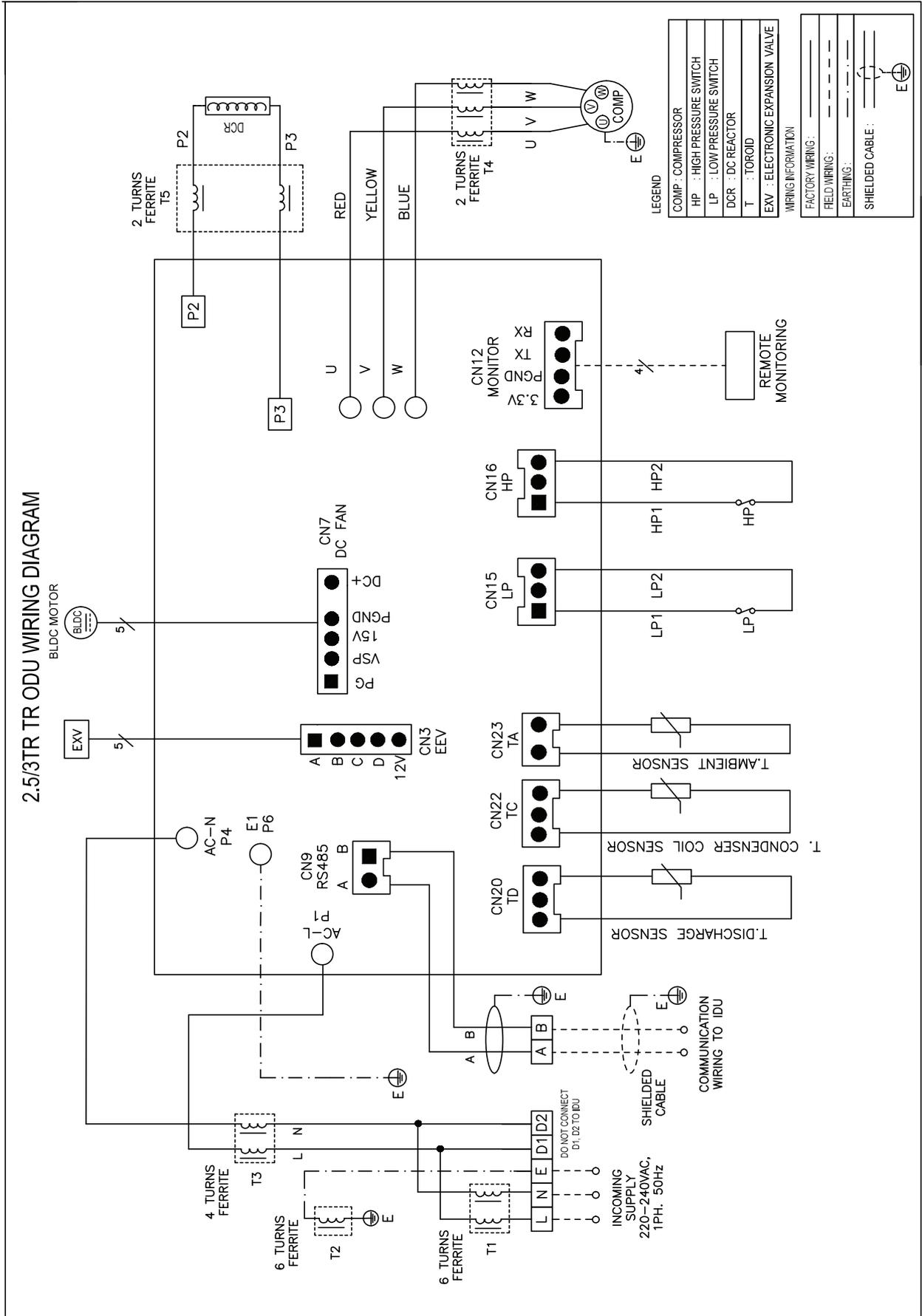
ALL DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED | SYMBOLS: ● SAFETY ● MAJOR ○ MINOR △ REVISION ○ CRITICAL

# ELECTRICAL WIRING DIAGRAM (OUTDOOR UNIT SINGLE PHASE)

1.5 TR & 2 TR ODU WIRING DIAGRAM

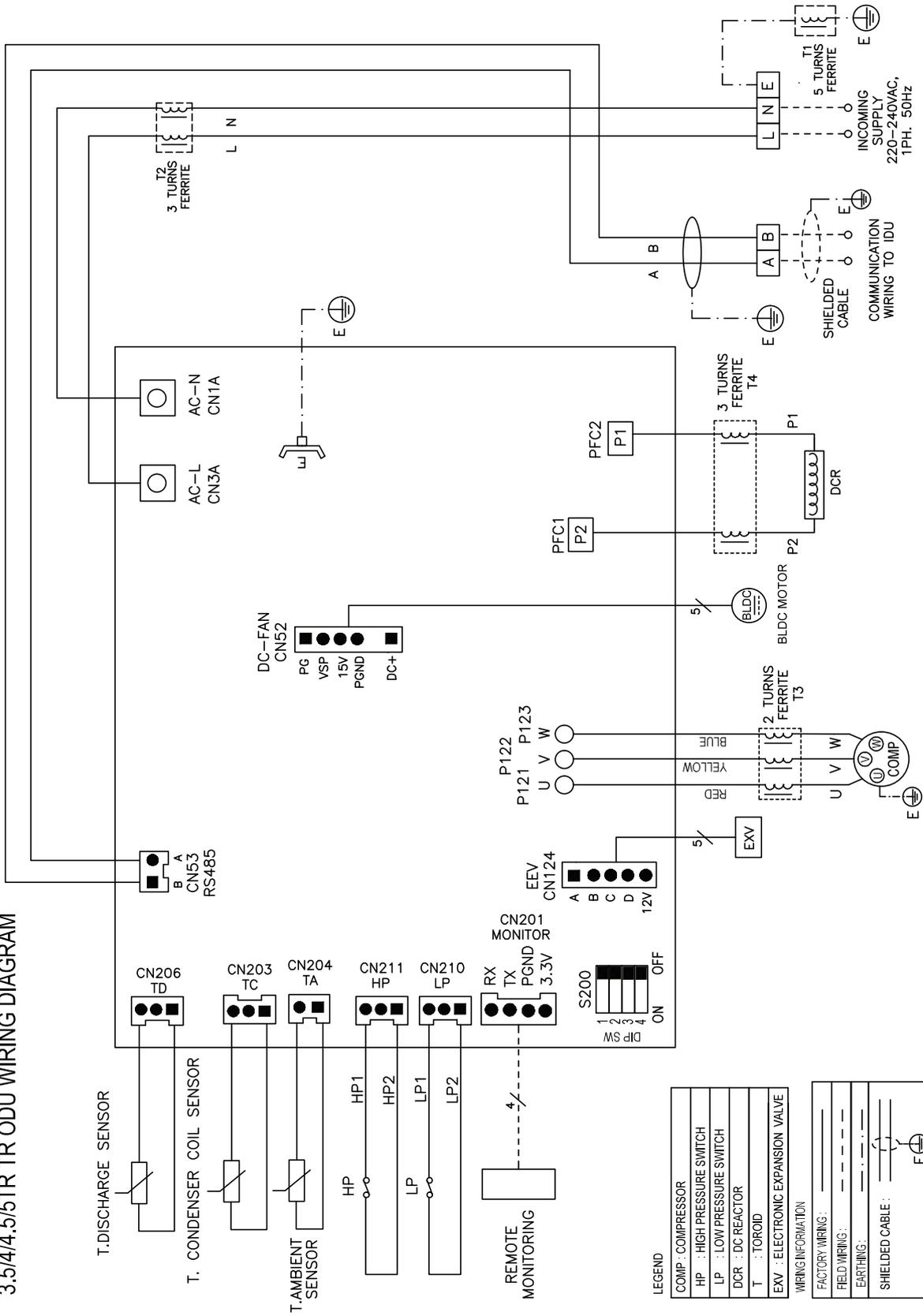


# ELECTRICAL WIRING DIAGRAM (SINGLE PHASE)



# ELECTRICAL WIRING DIAGRAM (OUTDOOR UNIT SINGLE PHASE)

3.5/4/4.5/5TR ODU WIRING DIAGRAM



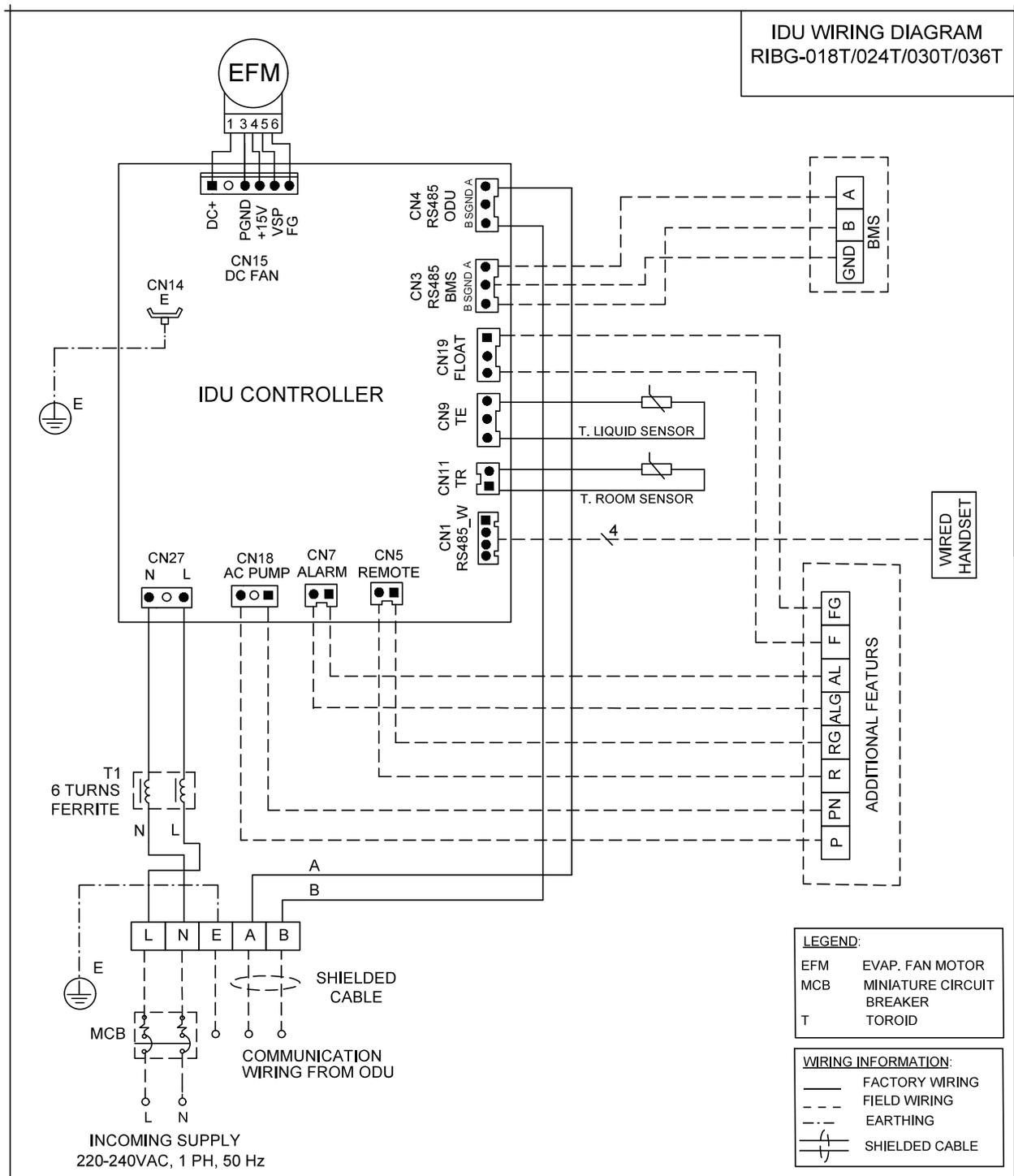
LEGEND

COMP	: COMPRESSOR
HP	: HIGH PRESSURE SWITCH
LP	: LOW PRESSURE SWITCH
DCR	: DC REACTOR
T	: TOROID
EXV	: ELECTRONIC EXPANSION VALVE

WIRING INFORMATION

FACTORY WIRING	: ————
FIELD WIRING	: - - - - -
EARTHING	: ————
SHIELDED CABLE	: ————

# ELECTRICAL WIRING DIAGRAM (INDOOR UNIT)





## CONNECTION SIZES

Sr.No	Outdoor Model	Service Valve Brazed Type		Field Piping size with Insulation up to 90 mtrs	
		Suction (c) Size	Liquid (c) Size	Suction line (c) Size	Liquid line (c) Size
1	RVBG-018TR	1/2"	3/8"	1/2"	3/8"
2	RVBG-024TR	5/8"	3/8"	5/8"	3/8"
3	RVBG-030TR	5/8"	3/8"	5/8"	3/8"
4	RVBG-036TR	5/8"	3/8"	5/8"	3/8"
5	RVBG-042TR	3/4"	3/8"	3/4"	3/8"
6	RVBG-048TR	3/4"	3/8"	3/4"	3/8"
7	RVBG-054TR	3/4"	3/8"	3/4"	3/8"
8	RVBG-060TR	3/4"	3/8"	3/4"	3/8"

## PIPE SIZES

Sr.No	Outdoor Model	Field Piping size and Standard pipe length 7.5 mtrs		R32 Refrigerant Charge Qty (kg)	Additional Charge Qty / Per mtr (gm)above 7.5 mtrs
		Suction line (c) Size	Liquid line (c) Size		
1	RVBG-018TR	1/2"	3/8"	1.3	24 gm/mtr
2	RVBG-024TR	5/8"	3/8"	1.5	24 gm/mtr
3	RVBG-030TR	5/8"	3/8"	1.9	24 gm/mtr
4	RVBG-036TR	5/8"	3/8"	2.1	24 gm/mtr
5	RVBG-042TR	3/4"	3/8"	2.9	24 gm/mtr
6	RVBG-048TR	3/4"	3/8"	2.9	24 gm/mtr
7	RVBG-054TR	3/4"	3/8"	3.5	24 gm/mtr
8	RVBG-060TR	3/4"	3/8"	3.5	24 gm/mtr

## REFRIGERANT PIPING

Model	Indoor Unit	RIBG-018T	RIBG-024T	RIBG-030T	RIBG-036T	RIBG-042T	RIBG-048T	RIBG-054T	RIBG-060T
	Outdoor Unit	RVBG-018TR	RVBG-024TR	RVBG-030TR	RVBG-036TR	RVBG-042TR	RVBG-048TR	RVBG-054TR	RVBG-060TR
Max allowable pipe length (m)		90	90	90	90	90	90	90	90
Max allowable vertical pipe length (m)		60	60	60	60	60	60	60	60
a.When Outdoor above Indoor unit*(m)		60	60	60	60	60	60	60	60
b.When Outdoor below Indoor unit*(m)		30	30	30	30	30	30	30	30
Liquid pipe mm (inch)		9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")
Gas pipe mm (inch)		12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05(3/4")	19.05(3/4")	19.05(3/4")	19.05(3/4")

\* Piping guidelines need to follow

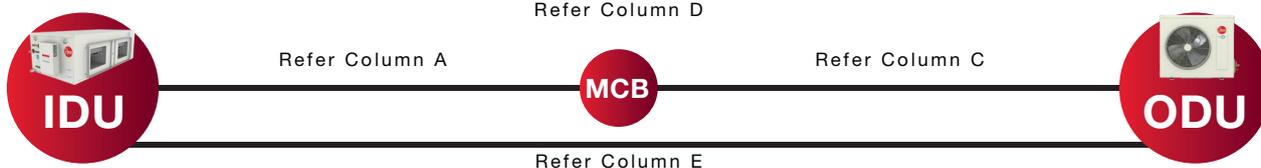
Model	Indoor Unit	RIBG-018T	RIBG-024T	RIBG-030T	RIBG-036T	RIBG-042T	RIBG-048T	RIBG-054T	RIBG-060T
	Outdoor Unit	RVBG-018TR	RVBG-024TR	RVBG-030TR	RVBG-036TR	RVBG-042TR	RVBG-048TR	RVBG-054TR	RVBG-060TR
Additional Charge g/m		24	24	24	24	24	24	24	24

# DERATING CHART



Level Difference (m)	Pipe Length (m)																		
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
<b>When Outdoor is above Indoor Unit</b>	60												0.83	0.82	0.81	0.80	0.79	0.78	
	55											0.84	0.83	0.82	0.81	0.80	0.79	0.78	
	50										0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	
	45									0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	
	40								0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	
	35							0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	
	30						0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	
	25					0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	
	20				0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	
	15			0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	
	10		0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	
	5	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	
<b>When Level Difference is 0 (m)</b>	0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
<b>When Outdoor is below Indoor Unit (m)</b>	-5	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	
	-10		0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	
	-15			0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	
	-20				0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	
	-25					0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	
	-30						0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	

# RHEEM INVERTER INCOMING CABLE SIZE SELECTION AND MCB SELECTION



## Rheem Inverter IDU

					A
Sr. No	Model	Power Supply	Fan Motor Quantity	Fan Motor Current (A)	PVC Cable Size (sq.mm Copper)
1	RIBG-018T	220-240V-1Ph-50Hz	1	1.2	3CX1.5 sq.mm
2	RIBG-024T	220-240V-1Ph-50Hz	1	1.2	3CX1.5 sq.mm
3	RIBG-030T	220-240V-1Ph-50Hz	1	2.3	3CX1.5 sq.mm
4	RIBG-036T	220-240V-1Ph-50Hz	1	2.3	3CX1.5 sq.mm
5	RIBG-042T	220-240V-1Ph-50Hz	1	3.2	3CX1.5 sq.mm
6	RIBG-048T	220-240V-1Ph-50Hz	1	3.2	3CX1.5 sq.mm
7	RIBG-054T	220-240V-1Ph-50Hz	1	3.2	3CX1.5 sq.mm
8	RIBG-060T	220-240V-1Ph-50Hz	1	3.8	3CX1.5 sq.mm

## Rheem Inverter ODU

				C	D	E			
Sr. No	Model	Power Supply	Total ODU Current (A)	PVC Cable Size (sq.mm Copper)	MCB/Fuse Rating for IDU + ODU (A)	Communication Shielded Cable (sq.mm Copper)	No. of Rows	Face Area (sq. ft.)	R32 Charge (kg)
1	RVBG-018TR	220-240V-1Ph-50Hz	10.0	3CX2.5 sq.mm	16A	2C x 0.75 sq.mm	2	6.2	1.3
2	RVBG-024TR	220-240V-1Ph-50Hz	15.4	3CX4 sq.mm	25A	2C x 0.75 sq.mm	2	7.1	1.5
3	RVBG-030TR	220-240V-1Ph-50Hz	17.3	3CX6 sq.mm	25A	2C x 0.75 sq.mm	2	7.1	1.9
4	RVBG-036TR	220-240V-1Ph-50Hz	17.7	3CX6 sq.mm	32A	2C x 0.75 sq.mm	2	9.1	2.1
5	RVBG-042TR	220-240V-1Ph-50Hz	26.0	3CX6 sq.mm	40A	2C x 0.75 sq.mm	3	9.2	2.9
6	RVBG-048TR	220-240V-1Ph-50Hz	29.8	3CX6 sq.mm	50A	2C x 0.75 sq.mm	3	9.2	2.9
7	RVBG-054TR	220-240V-1Ph-50Hz	30.0	3CX6 sq.mm	50A	2C x 0.75 sq.mm	3	11.9	3.5
8	RVBG-060TR	220-240V-1Ph-50Hz	30.9	3CX6 sq.mm	50A	2C x 0.75 sq.mm	3	11.9	3.5

Note: Power Supply of ODU and IDU to be provided through common MCB

# CONTROLLERS

- There are two types of controller options available:

**RM 05** Standard Controller



**RM 06** Advanced Controller



## • Advanced Controller Option

- Rheem Advanced Thermostat is compatible with Wi-Fi and Modbus BMS.
- Rheem Smart Connect App can be downloaded from the App Store.



## WIRED CONTROLLER FEATURES

Features	Model	Power Supply
Touch Screen	✓	✓
Wifi	✗	✓
IR	✓	✓
BMS	✗	✓
Return Air Sensor	✓	✓
Wireless Remote	Optional	Optional
Weekly Schedule	✓	✓
Cool/Fan/Auto Mode	✓	✓
Dry Mode	✓	✓
Sleep Mode	✓	✓
Return air temp sensor	✓	✓
Three speeds	✓	✓
Alarm Output	✗	✓
Off timer Function	✓	✓
Anti-Freeze logic	✓	✓
Lockout reset	✓	✓
Filter clean warning	✓	✓
Sensor selection	✓	✓

## BMS COMPATIBILITY

- The entire range is compatible with the Modbus and KNX communication protocols.

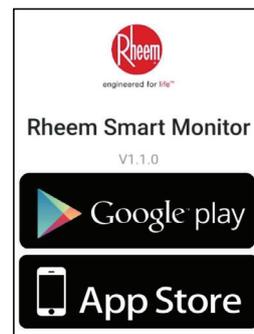


- **Monitoring Tool**

- Rheem Smart Monitor tool that has been designed for technicians and service personnel so that they can see system data for indoor and outdoor units.
- Connectivity will be either by Bluetooth or with WiFi Locally (Internet not required).



Connection of Service tool with Unit







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