

RELY ON



PROJECT NAME _____
LOCATION _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
SUBMITTED BY _____ DATE _____

UNIT SUMMARY

Quantity						
Unit Designation						
Model No.						
Total Cooling						
Sensible Cooling						
Air Ent. Evaporator						
Air Lvg. Evaporator						
Heating Input						
Heating Output						
CFM/ESP						
EER/SEER						
Electrical						
Minimum Ampacity						
Min.-Max. Breaker						
Net Unit Weight						
Accessory						
Catalog Form Number						

ACCESSORIES:

NOTES:

RACSYB Endeavor® Line

iR Residential Packaged Dedicated Horizontal Air Conditioner

Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]

JOB NAME _____ LOCATION _____

CONTRACTOR _____ ORDER NO. _____

ENGINEER _____ UNIT MODEL NO. _____

SUBMITTED FOR ☐ APPROVAL ☐ RECORD COIL MODEL NO. _____

DATE _____ AIR HANDLER MODEL NO. _____

UNIT DATA

COOLING PERFORMANCE

TOTAL CAPACITY* MBH

SENSIBLE CAPACITY* MBH

OUTDOOR DESIGN TEMP.. °F [°C] DB/WB

TOTAL SUPPLY AIR..... CFM [L/s]

TEMP. OF AIR ENTERING

EVAPORATOR COIL..... °F [°C] DB/WB

POWER INPUT REQUIREMENT kW

SEER RATING
(*uses blower motor heat)

HEATING PERFORMANCE

GAS HEAT INPUT CAPACITY MBH

HEAT PUMP HEATING PERFORMANCE

CAPACITY @ 47°F..... MBH

CAPACITY @ 17°F..... MBH

COEFFICIENT OF PERFORMANCE

@ 47°F..... C.O.P.

@ 17°F..... C.O.P.

ELECTRIC HEAT CAPACITY kW

H.S.P.F.

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY..... CFM [L/s]

TOTAL RESISTANCE EXTERNAL

TO UNIT..... IWG

BLOWER SPEED..... RPM

POWER OUTPUT REQUIREMENT BHP

MOTOR RATING HP [W]

POWER INPUT REQUIREMENT kW

ELECTRICAL DATA

POWER SUPPLY..... Hz

TOTAL UNIT AMPACITY..... AMPS

MINIMUM WIRE SIZE..... AWG

MAXIMUM OVERCURRENT DEVICE

FUSES/HACR BREAKER AMPS

TOTAL UNIT WEIGHT

TOTAL OPERATING WEIGHT..... LBS [kg]
(including field-installed accessories)

CLEARANCES

SIDE "A"	18"	[457 mm]
SIDE "B"	0"	
SIDE "C"	12"	[305 mm]
SIDE "D"	30"	[762 mm]
ABOVE UNIT	60"	[1524 mm]

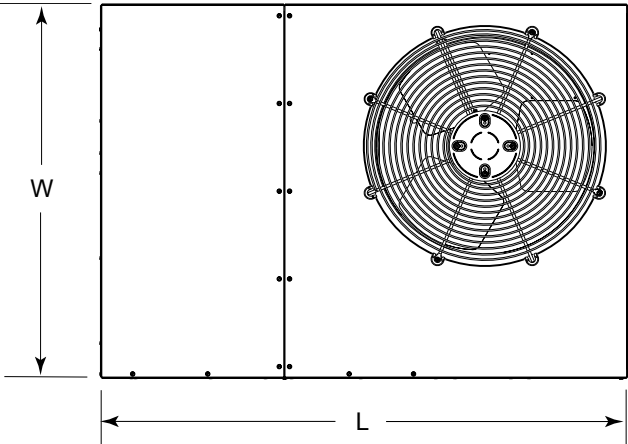
FEATURES

- **Energy-efficient:** Eco-friendly R-454B Refrigerant offering reduced carbon footprint
- **Quality Compressor:** State of the art scroll compressor is standard on all models offering superior efficiency, and reliability
- **High Pressure Switches:** Ensure long compressor life
- **All-Aluminum Coils:** Evaporator and condenser coils are designed to optimize heat transfer, minimize footprint, and increase durability
- **ECM Blower Motor:** Fixed torque energy efficient brushless DC ECM motor, provides 5 speeds
- **Permanently Lubricated Condenser Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow
- **Low Voltage Transformer:** Includes 3 Amp fuse to protect low voltage circuit
- **Liquid Line Filter Drier:** Factory installed at a convenient location for service
- **Designed Using Galvanized Steel:** With a polyester urethane coat finish, the 950 hour salt spray finish is 1.5 mil thick and resists corrosion
- **Compact Footprint and Profile:** Make the RACSYB Series easy to install and transport
- **0" Clearance:** To combustibles on duct side of the unit allows for installations in tight areas
- **Wire Guard Coated with Eco-Friendly Epoxy and Plastic Mesh Hail Guard:** A guard that will never rust and protects the units coil from being damaged
- **Raised Base Pan:** Allows water to drain away from the unit
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the front of the unit. High/low service ports allow refrigerant access without disrupting operation
- **Easy Access:** To the evaporator coil for cleaning, blower assembly removal and general maintenance
- **Drain Trap:** Design optimizes drainage capabilities
- **Removable Top Grille Assembly:** Allows ease of service to the fan motor
- **Easy to Field-Install:** 5-20kW heater kits
- **Notched Base Rail Supports:** Allow units to be set on roof curbs or metal stands



RACSYB

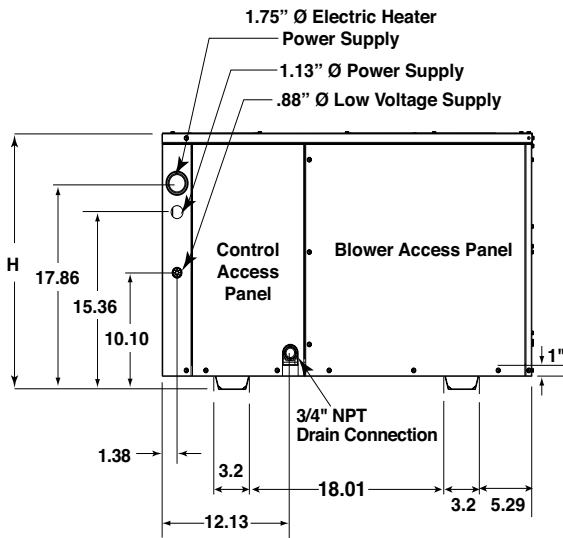
TOP VIEW



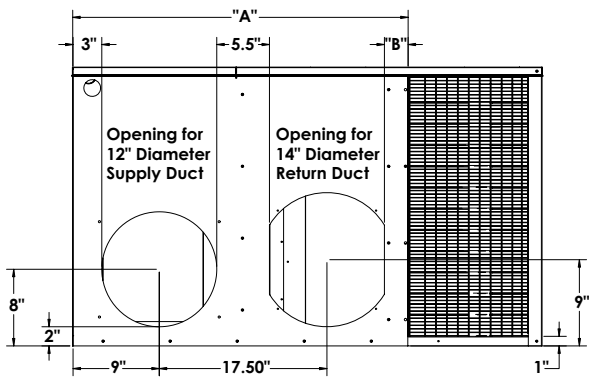
DIMENSIONS

Model	Length (L)	Width (W)	Height (H)
024, 030, 036	49"	35"	22.2"
042, 048	49"	35"	30.2"
060	63"	35"	38.2"

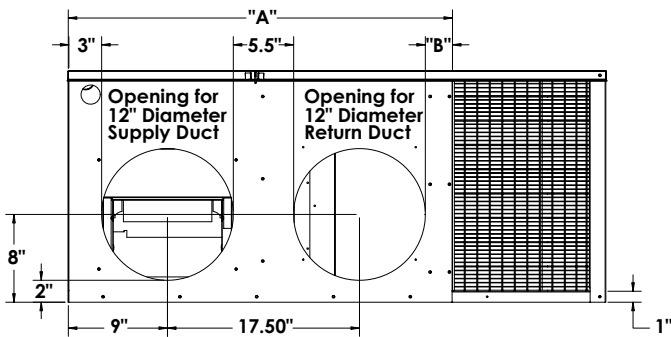
SIDE VIEW



BACK (DUCT) VIEW



2, 2.5, and 3 Ton



3.5, 4, and 5 Ton

[] Designates Metric Conversions

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

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5600 Old Greenwood Road • Fort Smith, Arkansas 72908