

Job Name:	
Submitted By:	



**Submittal Sheet For:** YN012GMFI22RPE / RB012GMFILD FHD

Date \_\_\_\_\_  
 Ref. \_\_\_\_\_

**Slim-Duct Concealed Inverter Heat Pump (1 Ton)**

System Full Set Model: **RYB012GMFILDAD**

AHRI Reference Number: **208141952**

**Cooling Mode Performance**

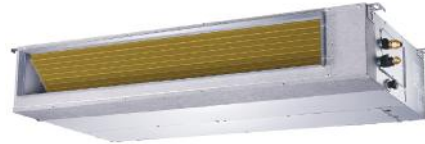
Rated Cooling	12000 BTU/hr
Ambient Range	5°F ~ 122°F
SEER Rating	21.5 BTU/W·h
EER Rating	12.5 BTU/W·h

\* 100% Capacity @ Indoor DB 80°F/WB 66°F / Outdoor DB 95°F/WB 75°F / m.w. 25' lineset

**Heating Mode Performance**

Rated Heating	12000 BTU/hr
Ambient Range	-13°F ~ 86°F
HSPF IV (V)	11.5 (9.5) BTU/W·h
COP	3.37 W/W

\* High Heat (47°F) = 12000 BTU / Low Heat (17°F) = 8300 BTU / COP(5°F) = 1.75



Slim Concealed Ducted Indoor Unit



Outdoor Condensing Unit



Installation Kit (Pipe+Cable)



Wired Controller + Remote

**Electrical Information**

Rated Input (W)	Cooling	Heating
	960	1,043
Rated Current (A)	4.39	4.78
Breaker Needed	15A (double-pole)	
Power Supply	208~230V, 1Ph, 60Hz	

**Piping and Refrigerant**

Liquid Line (OD)	1/4"
Suction Line (OD)	1/2"
Refrigerant Precharge	R410a (10 - 25 ft.)
Max Length/Height Diff.	82 Ft. / 33 Ft.

This combination is Energy-Star® certified.



**Interior Unit (Air Handler) Specifications**

Airflow Rate (CFM)	353 (Hi) / 282 (Med) / 176 (Lo)
Sound Level (dBA)	38 (Hi) / 34.5 (Med) / 31.0 (Lo)
ESP (Range)	0.0~0.16 in. wg. (0~40 Pa)
Dimensions (WDH)	27"-1/2 x 20" x 7"-7/8
Weight (Lbs)	39.2

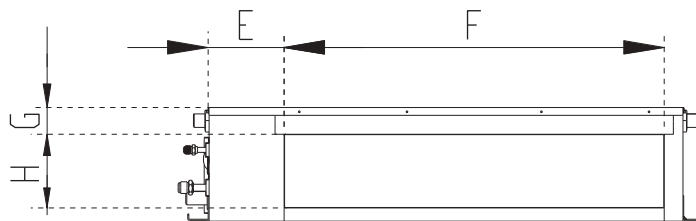
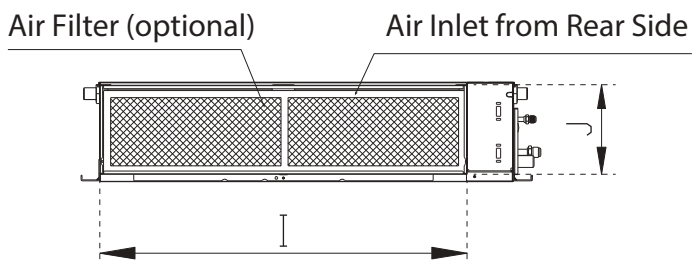
**Exterior Unit (Condenser) Specifications**

Airflow Rate (CFM)	1,294
Sound Level (dBA)	53.5
Metering Device	Electronic Expansion Valve (EXV)
Compressor	Rotary
Dimensions (WDH)	30"-1/8 x 11"-7/8 x 21"-7/8"
Weight (Lbs)	63.7

# RB012GMFILDFHD Air Handler Dimensional Data



Air Filter (optional)      Air Inlet from Rear Side



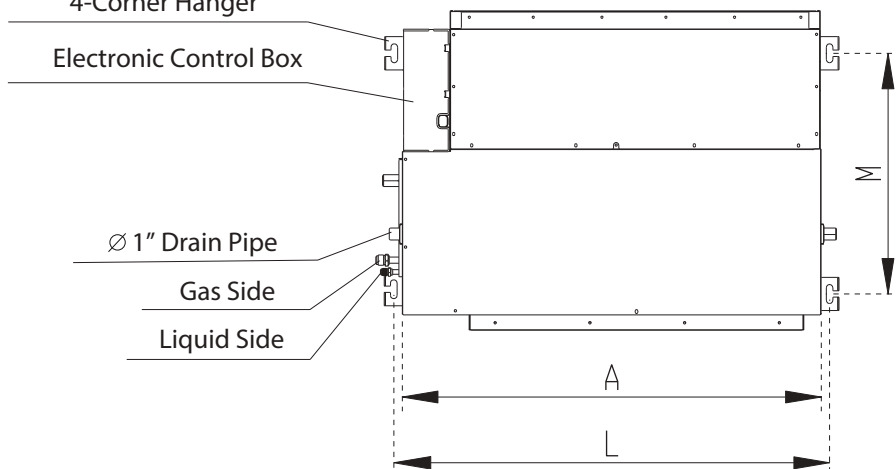
4-Corner Hanger

Electronic Control Box

Ø 1" Drain Pipe

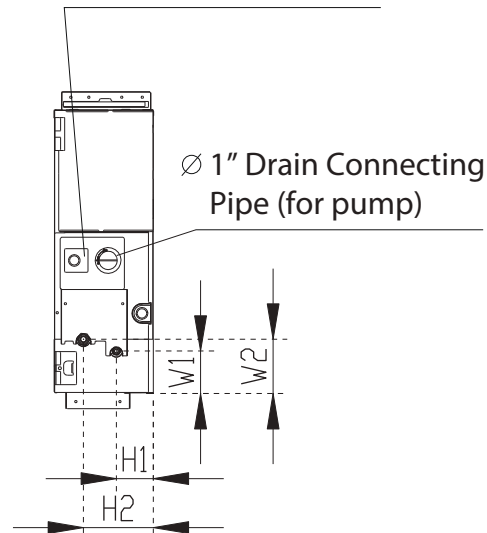
Gas Side

Liquid Side



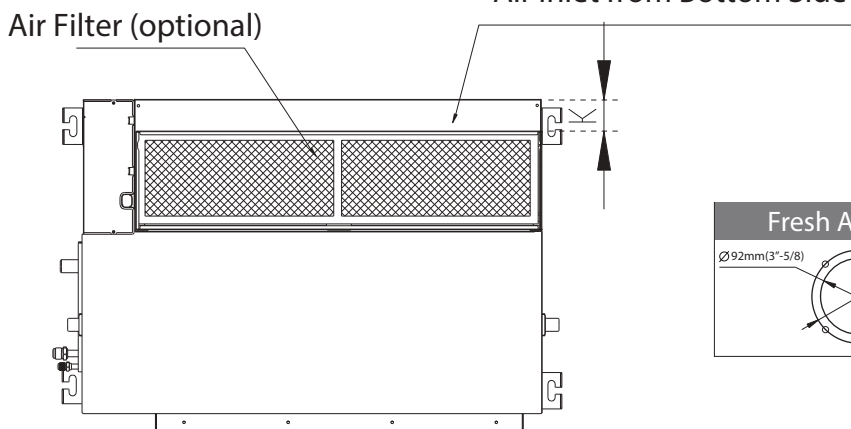
Test Mouth and Test Cover

Ø 1" Drain Connecting Pipe (for pump)



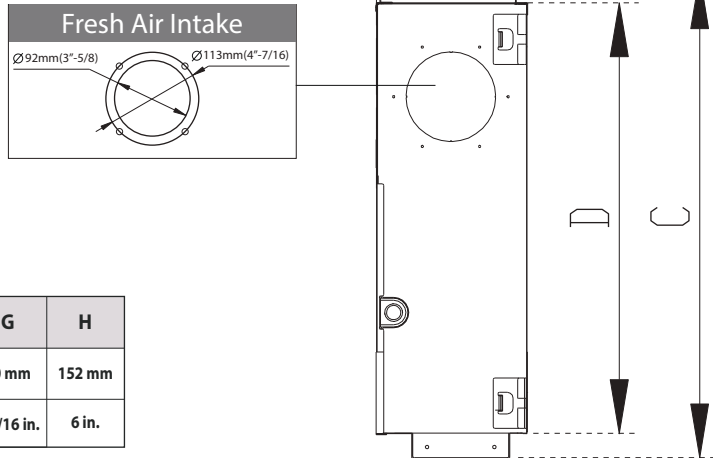
Air Filter (optional)

Air Inlet from Bottom Side



Fresh Air Intake

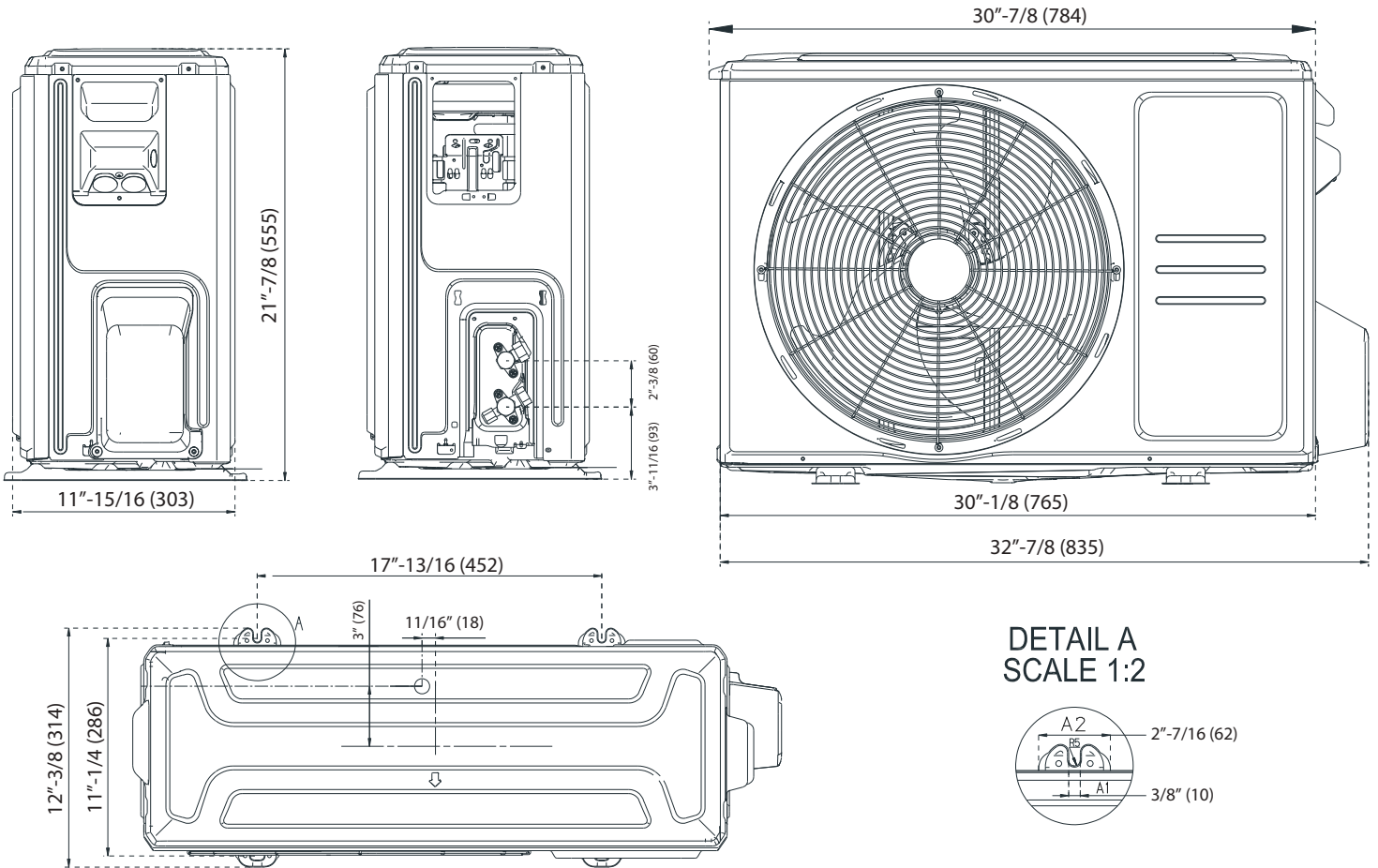
Ø92mm(3"-5/8)      Ø113mm(4"-7/16)



A	B	C	D	E	F	G	H
700 mm	200 mm	506 mm	450 mm	137 mm	537 mm	30 mm	152 mm
27-9/16 in.	7-7/8 in.	19-15/16 in.	17-3/4 in.	5-3/8 in.	21-1/8 in.	1-3/16 in.	6 in.

I	J	K	L	M	H1	H2	W1	W2
599 mm	186 mm	50 mm	741 mm	360 mm	84 mm	140 mm	84 mm	84 mm
23-9/16 in.	7-5/16 in.	2 in.	29-3/16 in.	14-3/16 in.	3-5/16 in.	5-1/2 in.	3-5/16 in.	3-5/16 in.

All dimensions are in Inches (mm)



### Warranty Information and Length



Complete warranty details are available with the vendor or online at <https://www.pdhvac.com/support/warranty/>. This high quality system is eligible for up to **5** years limited warranty on the compressor, and **5** years on other internal parts. To qualify for this warranty, the system must be installed within 90 days and registered properly. All other installations that are unregistered qualify for only **1** year parts/compressor warranty.

### Outstanding Features

- Easy Clean Filter
- Flexible Air Intake
- High Static Pressure
- Eccentric Fan Design
- Slim Cabinet Footprint
- Built-In Condensate Drain Pump
- Horizontal or Vertical Installation
- Optional Programmable Controller

### Available Accessories

Part Number	Description
IKT-LCVR4P-KIT	<i>Decorative PVC Line Cover Kit</i>
TST-LCACWIFIKP	<i>Smart-WiFi Wired Wall Thermostat Kit</i>
BRK-FRM-C-2P	<i>Folding Mounting Bracket w/ Leveler</i>
IKT-UVL32UL-AG	<i>UVC Bacterial Disinfection Kit</i>
@ICM517	<i>Ultimate Surge and Power Protection</i>