





Reviewed for Code Compliance

Inspections Division

Approved with Conditions

Date: 05/04/17

## Performance Data - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop

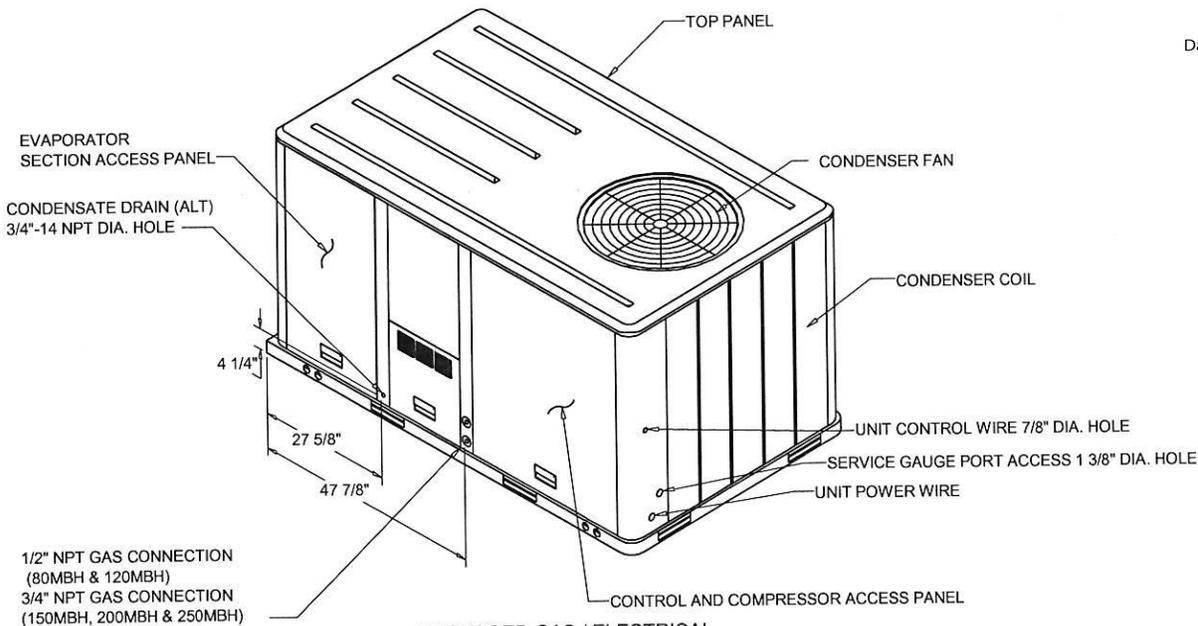
Tags	HVAC-1, HVAC-2	HVAC-3, HVAC-4
Design Airflow (cfm)	2400	1200
Airflow Application	Downflow	Downflow
Cooling Entering DB (F)	80.00	80.00
Cooling Entering WB (F)	67.00	67.00
Ent Air Relative Humidity (%)	51.08	51.08
Ambient Temp (F)	95.00	95.00
Evap Coil Leaving Air Temp (DB) (F)	58.83	58.44
Evap Coil Leaving Air Temp (WB) (F)	57.34	56.60
Cooling Leaving Unit DB (F)	60.31	59.88
Cooling Leaving Unit WB (F)	57.90	57.16
Gross Total Capacity (MBh)	72.00	38.49
Gross Sensible Capacity (MBh)	54.88	27.94
Gross Latent Capacity (MBh)	17.12	10.55
Net Total Capacity (MBh)	68.98	37.05
Net Sensible Capacity (MBh)	51.86	26.50
Net Sensible Heat Ratio (Number)	0.75	0.72
Heating EAT (F)	65.00	65.00
Heating LAT (F)	111.50	139.20
Heating Delta T (F)	46.50	74.20
Input Heating Capacity (MBh)	150.00	120.00
Output Heating Capacity (MBh)	120.00	96.00
Output Heating Cap. w/Fan (MBh)	123.02	97.44
Design ESP (in H2O)	0.750	0.750
Component SP (in H2O)	0.110	0.060
Field supplied drive kit required	None	-
Indoor mtr operating power (bhp)	0.93	0.47
Indoor RPM (rpm)	764	992
Indoor Motor Power (kW)	0.69	0.35
Outdoor Motor Power (kW)	0.56	0.22
Compressor Power (kW)	4.27	2.62
System Power (kW)	5.51	3.19
SEER @ AHRI (btuh/watt)	-	15.00
IPLV @ AHRI (IPLV)	14.5	-
MCA (A)	15.10	11.00
MOP (A)	20.00	15.00
Compressor 1 RLA (A)	8.70	5.10
Compressor 2 RLA (A)	0.00	0.00
Evaporator fan FLA (A)	2.50	6.00
Condenser fan FLA (A)	1.80	0.60
Min. unit operating weight (lb)	822.0	544.0
Max. unit operating weight (lb)	1090.0	767.0
Fan motor heat (MBh)	3.02	1.44
Dew Point (F)	56.38	55.39
Max Available ESP (in H2O)	-	0.940
Rated capacity (AHRI) (MBh)	68.00	37.00
Exhaust fan power (kW)	0.65	0.65
Refrig charge (HFC-410A) - ckt 1 (lb)	7.7	6.2
ASHRAE 90.1	Yes	Yes
Saturated Suction Temp Circuit 1 (F)	53.46	50.96
Saturated Discharge Temp Circuit 1 (F)	113.37	114.33
IEER ( )	14.50	-
EER @ AHRI Conditions (EER)	12.6	-
Total Static Pressure (in H2O)	0.860	0.810



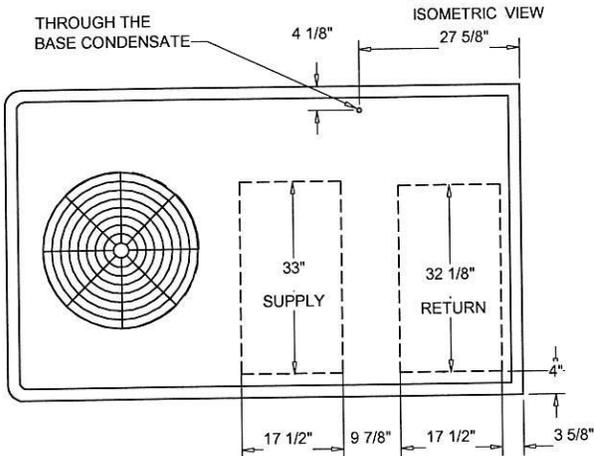
Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions  
Date: 05/04/17

Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop

Item: A1 Qty: 2 Tag(s): HVAC-1, HVAC-2

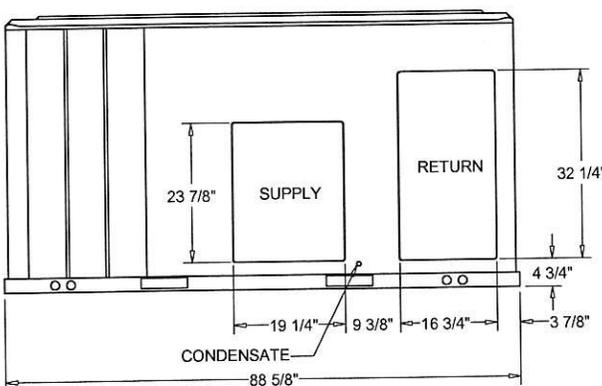


PACKAGED GAS / ELECTRICAL

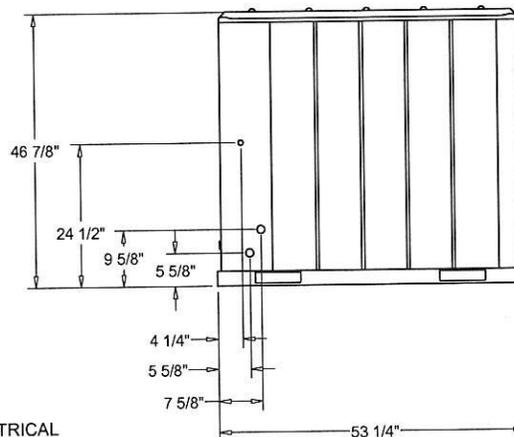


PLAN VIEW UNIT  
DIMENSION DRAWING

- NOTES:
1. THRU -THE -BASE ELECTRICAL IS NOT STANDARD ON ALL UNITS.
  2. VERIFY ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION.



PACKAGED GAS / ELECTRICAL  
DIMENSION DRAWING



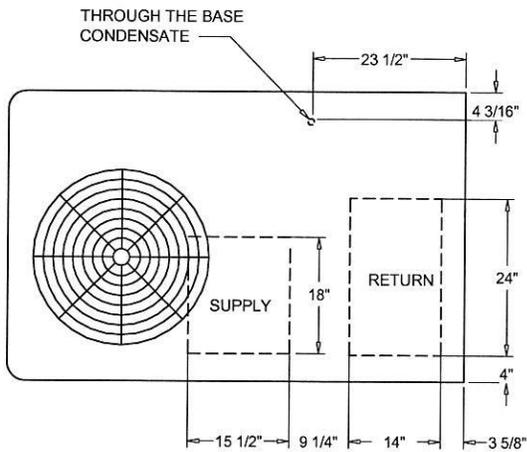
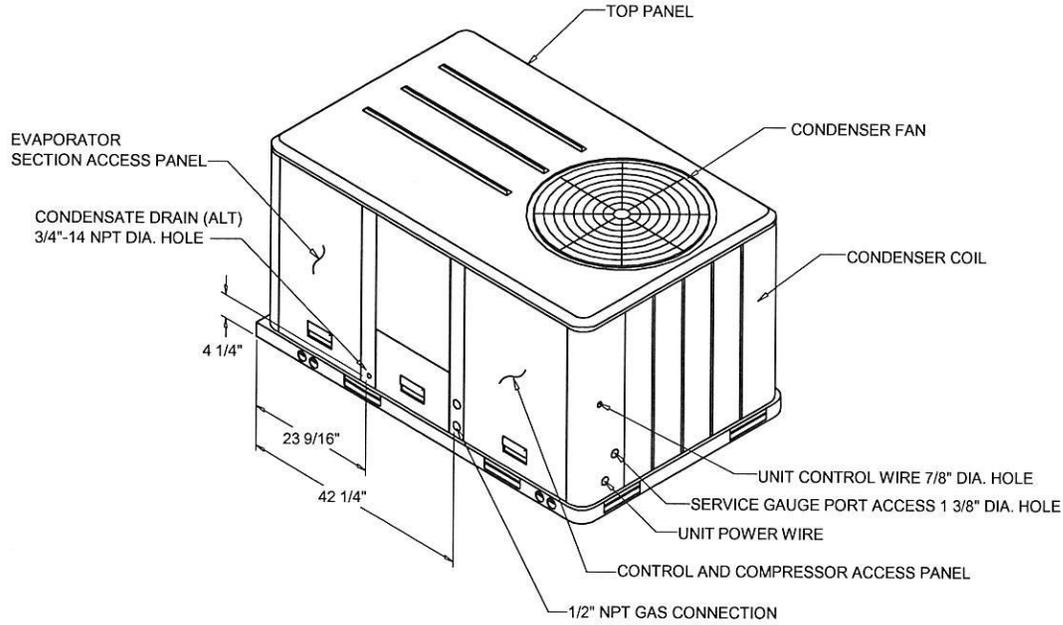
HORIZONTAL  
AIR FLOW

**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
 Item: A2, A3 Qty: 2 Tag(s): HVAC-3, HVAC-4



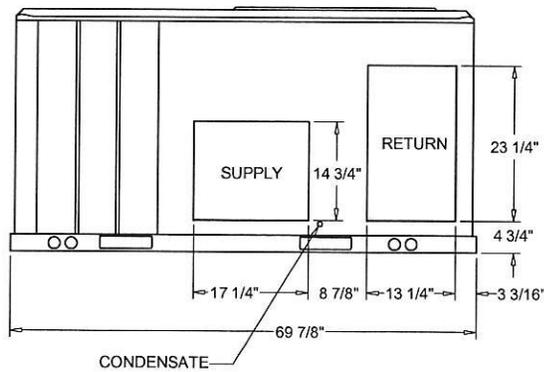
Reviewed for Code Compliance  
 Inspections Division  
 Approved with Conditions

Date: **05/04/17**

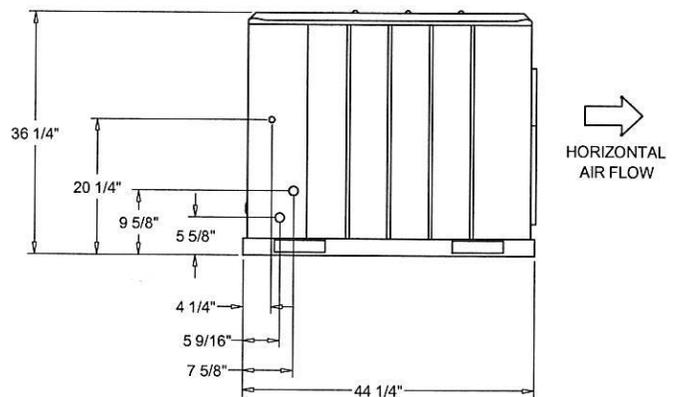


PLAN VIEW UNIT  
 DIMENSION DRAWING

- NOTES:  
 1. THRU -THE -BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS.  
 2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH  
 INSTALLER DOCUMENTS BEFORE INSTALLATION



PACKAGED GAS / ELECTRICAL  
 DIMENSION DRAWING



➔  
 HORIZONTAL  
 AIR FLOW



Reviewed for Code Compliance  
 Inspections Division  
 Approved with Conditions  
**05/04/17**

Date:

**Tag Data - Packaged Gas/Electric Rooftop Units (Qty: 3)**

Item	Tag(s)	Qty	Description	Model Number
B1	HVAC-5, HVAC-6, HVAC-7	3	25 Ton Packaged Unitary Gas/Ele	YHD300G4RHA--D001000200B000000000000000

**Product Data - Packaged Gas/Electric Rooftop Units**

**Item: B1 Qty: 3 Tag(s): HVAC-5, HVAC-6, HVAC-7**

- Gas/Electric High efficiency
- Downflow
- 25 Ton
- 460/60/3
- Reliatel
- Gas Heat - High
- Economizer Dry Bulb 0-100% with barometric relief
- Standard condenser coil with hail guard
- Lontalk(R) communications interface
- Supply air smoke detector
- Roof curb (Fld)
- CO2 wall mounted, field sensor kit (Fld)
- Power exhaust (Fld)



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions

Date: 05/04/17

HVAC Services - Rob - Brick South  
Performance Data - Packaged Gas/Electric Rooftop Units

Tags	HVAC-5, HVAC-6, HVAC-7
Design Airflow (cfm)	10000
Cooling Entering Dry Bulb (F)	80.00
Cooling Entering Wet Bulb (F)	67.00
Ent Air Rel Humidity (%)	51.08
Ambient Temp (F)	95.00
Cooling Leaving Unit DB (F)	61.25
Cooling Leaving Unit WB (F)	58.64
Gross Total Capacity (MBh)	292.29
Gross Sensible Capacity (MBh)	231.85
Gross Latent Capacity (MBh)	60.44
Net Total Capacity (MBh)	266.23
Net Sensible Capacity (MBh)	205.79
Net Sensible Heat Ratio (Number)	0.77
Heating EAT (F)	65.00
Heating LAT (F)	94.49
Heating Temp Rise (F)	29.49
Output Htg Capacity (MBh)	320.00
Output Htg Capacity w/Fan (MBh)	346.06
Design ESP (in H2O)	0.750
Component SP Add (in H2O)	0.485
Field Supplied Drive Kit Required	High Static Drive Kit
Indoor Mtr. Operating Power (bhp)	8.27
Indoor RPM (rpm)	886
Indoor Motor Power (kW)	6.16
Outdoor Motor Power (kW)	1.97
Compressor Power (kW)	21.21
System Power (kW)	29.34
IPLV @ AHRI (IPLV)	12.4
MCA (A)	57.00
MOP (A)	70.00
Compressor 1 RLA (A)	8.20
Compressor 2 RLA (A)	2.90
Condenser Fan FLA (A)	18.26
Evaporator Fan FLA (A)	11.00
Fan Motor Heat (MBh)	26.06
Evap Coil Leav Air Temp (DB) (F)	58.53
Evap Coil Leav Air Temp (WB) (F)	57.60
Dew Point Temp (F)	57.02
Rated capacity (AHRI) (MBh)	274.00
Exhaust fan power (kW)	0.56
Refrig charge (HFC-410A) - ckt 1 (lb)	11.8
Refrig charge (HFC-410A) - ckt 2 (lb)	11.3
ASHRAE 90.1	Yes
Saturated Suction Temp Circuit 1 (F)	53.59
Saturated Discharge Temp Circuit 1 (F)	121.50
Saturated Suction Temp Circuit 2 (F)	49.98
Saturated Discharge Temp Circuit 2 (F)	126.46
IEER Rating ( )	12.40
EER @ AHRI Conditions (EER)	10.6
Total Static Pressure (in H2O)	1.235



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions

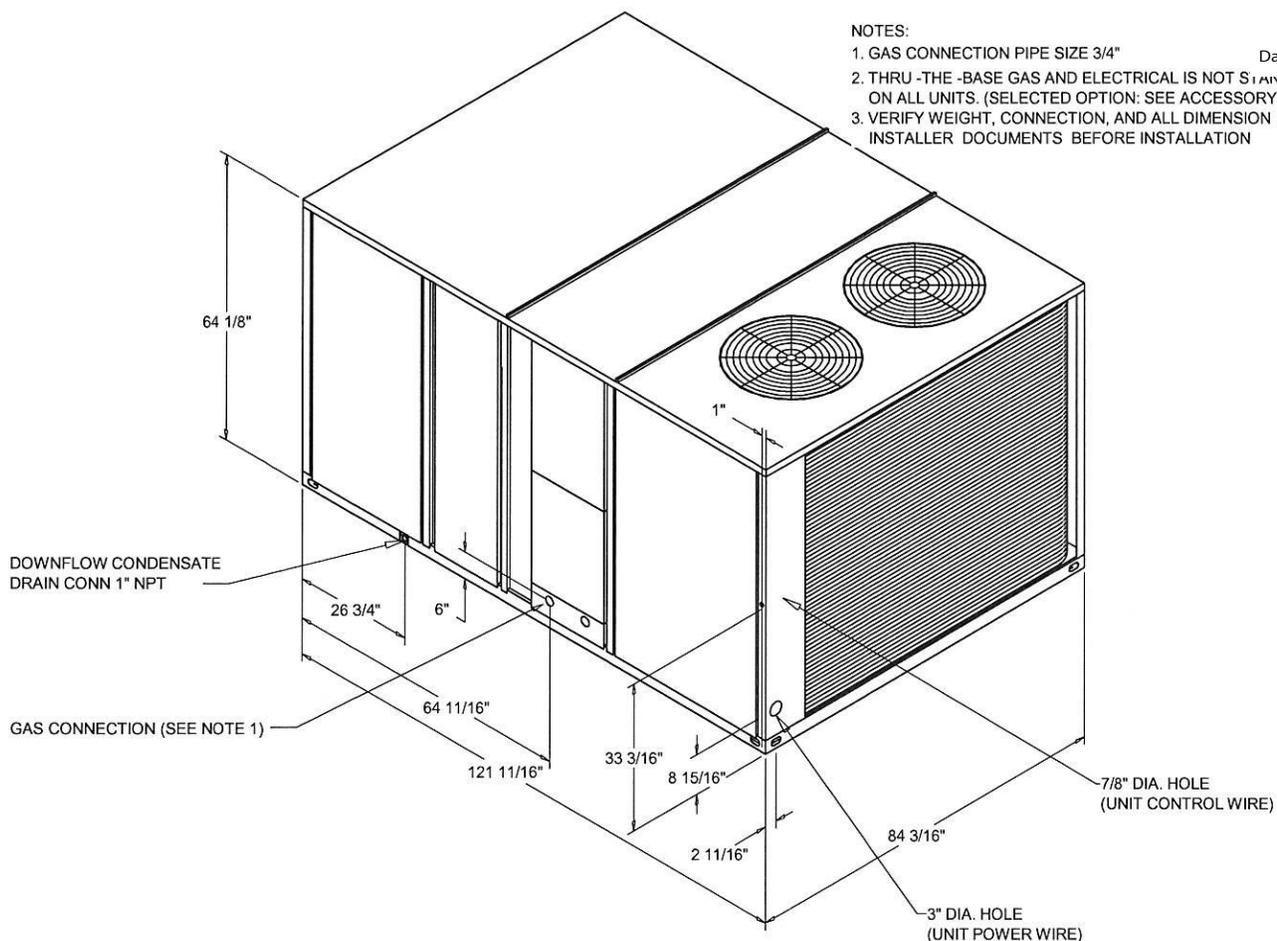
Date: 05/04/17

Unit Dimensions - Packaged Gas/Electric Rooftop Units

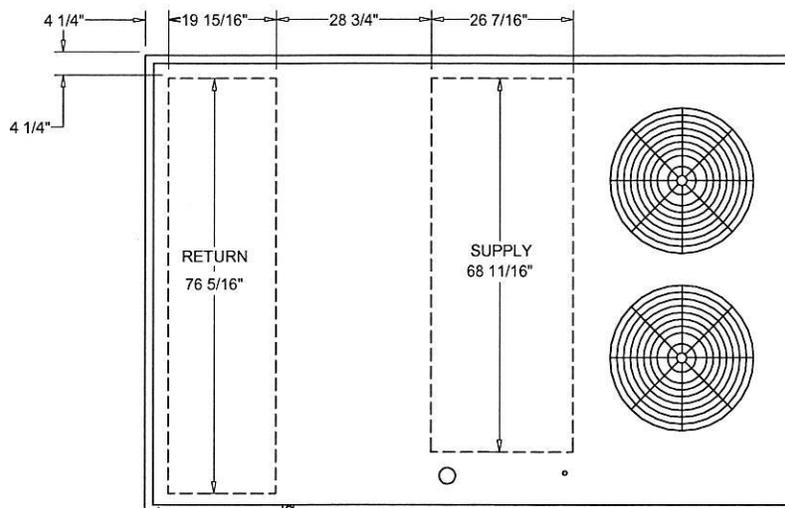
Item: B1 Qty: 3 Tag(s): HVAC-5, HVAC-6, HVAC-7

NOTES:

1. GAS CONNECTION PIPE SIZE 3/4"
2. THRU - THE - BASE GAS AND ELECTRICAL IS NOT STANDARD ON ALL UNITS. (SELECTED OPTION: SEE ACCESSORY SHEET)
3. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION



PACKAGED GAS/ELECTRIC - DOWNFLOW  
ISOMETRIC DRAWING



PACKAGED GAS/ELECTRIC - DOWNFLOW  
PLAN VIEW DRAWING