HVAC Equipment Submittal Data

For Review and Approval

10/18/2024

Project Info		Submitted By	
Project Name:	DSG0903DH00007C Submittal	Dealer Name:	HVAC Distributors
Software version:	3.0	Email:	commercial@hvacdist.com

Certifications:

Daikin brand heating and cooling units are certified as follows:

- AHRI Certified
- ETL & CETL Listed
- GAMA Certified

Limited Warranty:

- 5 year parts limited warranty
- 20 year heat exchanger limited warranty
- Complete warranty details attached

Daikin North America, LLC is not responsible for products installed outside the United States or its territories, or Canada.

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Design Requirements

Cooling Capacity	**7.5 Ton**
Tap	**T7**
Configuration	**Downflow**

Standard Features: DS Series Packaged Units

- R-32 chlorine-free refrigerant
- High-efficiency Copeland scroll compressor(s)
- Copper tube / aluminum fin coils
- High-capacity, steel-cased filter dryer
- High- and Low-pressure switches
- Lugged electrical contactor
- Single-point power
- Color Coded Wiring
- Foil Faced Internal Insulation
- Heavy-gauge, galvanized-steel cabinet
- UV-resistant powder-paint finish
- Full perimeter base rail

Unit Electrical Data

Power Supply	**208-230/3/60 VOLT/PH**
Total Unit MCA	**39.4/39.4 A**
Total Unit MOP	**50/50 A**
Indoor Motor HP	**2.4 HP**
Total Unit FLA	**36.40/36.40 A**
• Compressor RLA	**24.4**
• Blower FLA	**8.0**
• Outdoor Fan FLA	**4.0**
SCCR	**5 kA**

Model Number: **DSG0903DH00007C**

Code String: **DSG0903D225CAADXXXCXXX**

Tag: **RTU**

Cooling Performance

Total Capacity	**90,484 BTU/h**
Sensible Capacity	**68,784 BTU/h**
Cooling Stages	**Two**
Refrig Type	**R-32**
Compressor Type	**Copeland Scroll**
Pressure Switches	**High & Low Pressure (std)**
Outdoor Design Temp	**95.0°F**
Entering Air Temp(db)	**80.0°F**
Entering Air Temp(wb)	**67.0°F**
Leaving Air Temp(db)	**60°F**
Leaving Air Temp(wb)	**57.9°F**
Efficiency	**16.0 IEER/12.0 EER**

Heating Performance

Heat Type	**Gas**
High Stage Input / Output	**225,000/182,250 (BTU/h)**
Low Stage Input / Output	**168,800/136,700 (BTU/h)**
Entering Air Temp	**55.0°F**
Leaving Air Temp	**108.3°F**
Heat Exchanger	**Standard Aluminized**

Supply Air Blower Performance

ACFM	**3126 CFM**
SCFM	**3126 CFM**
ESP	**0.25 IWG**
Total ESP	**0.3 IWG**
Blower Type	**Direct Drive - Standard Static**
Elevation	**0 ft**

Physical Attributes

Base Unit Oper. Weight (lbs)	**1106**
Filter(s)	**Qty (2)20"X25"X2(2) 20"X20"X2"**

Outdoor sound (db) at 60 Hz									
Model	**A-Weighted**	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**
11	82.6	89.2	86.0	83.1	79.2	77.3	74.2	69.6	67.7

db - decibel

Notes:

1 Outdoor sound data is measured in accordance with AHRI standard 270.

2 Measurements are expressed in terms of sound power. Do not compare these values to sound pressure values because sound pressure depends on specific environment factors which normally do not match individual applications. Sound power values are independent of the environment and therefore more accurate.

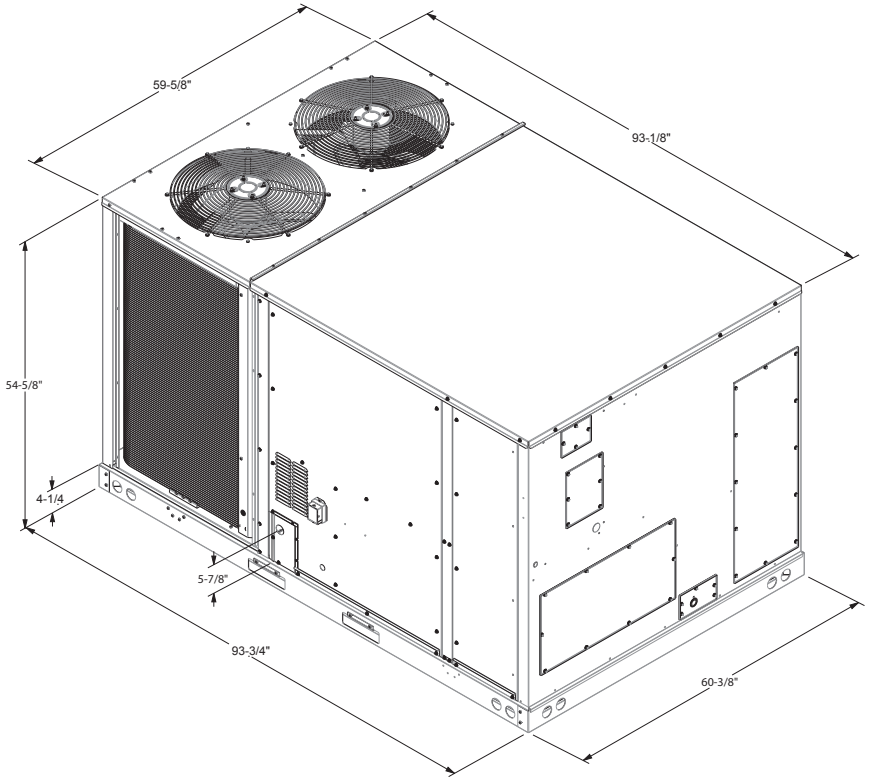
3 A-weighted sound ratings filter out high and very low frequencies, to better approximate the response of "average" human ear. A-weighted measurements for Daikin units are taken in accordance with AHRI standard 270.

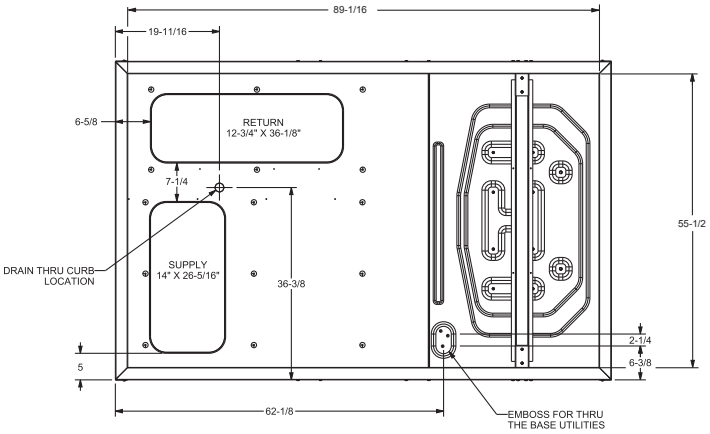
LIST OF ACCESSORIES

Tag: RTU;

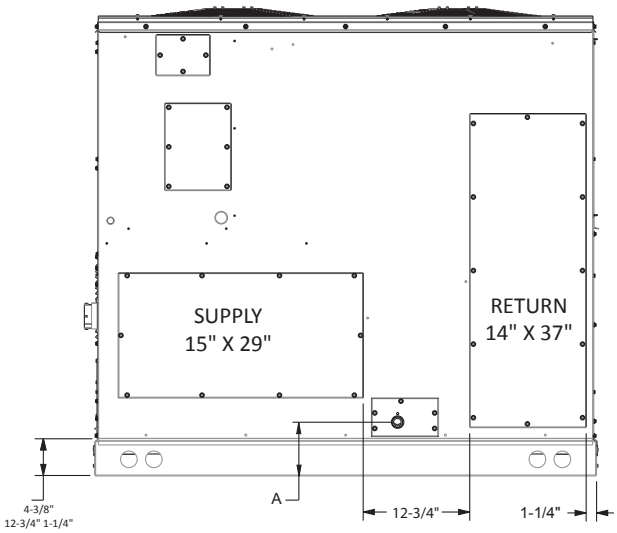
Accessories

Fld Inst	Fct Inst	Item #	Description	Dimensions	lbs
	Y	HGDRMDG01FI	Hinged Panels		34
	Y		R32 Sensor		N/A
			Base Unit Oper. Weight		1106
			Total Weight		1140.0





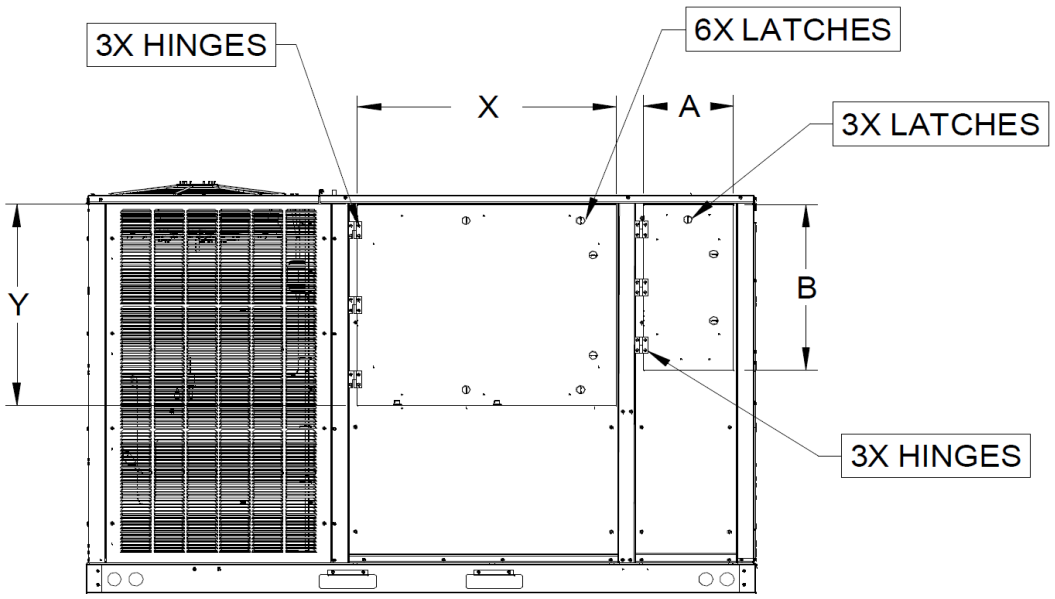
Model Size	DIM "A"
DSG 090	8.96
DSG 102	8.96
DSG 120	6.46
DSG 150	6.46



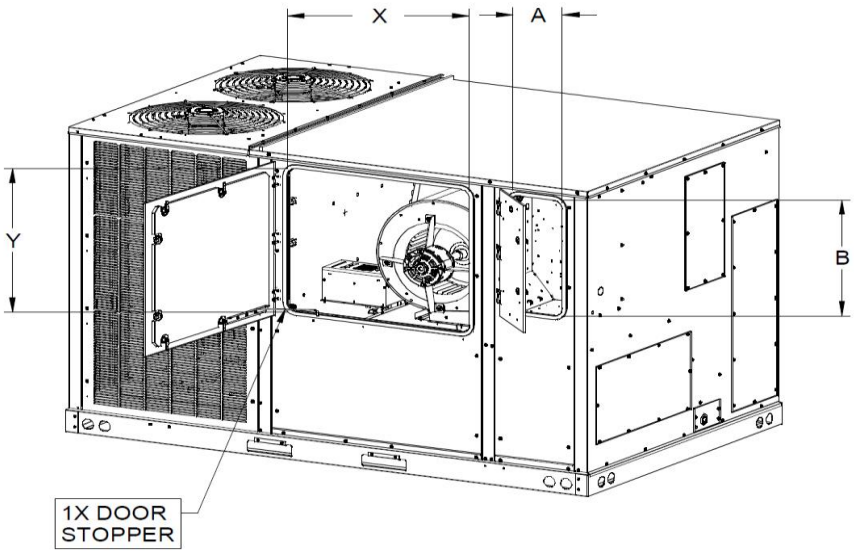
HORIZONTAL DISCHARGE

HINGED DOOR, 7.5-12.5 TON

Factory installed hinged door oprtion for 7.5-12.5 ton light commercial models



- Hinged door size:
  - 7.5/8.5/10Ton: A= 12.62, B= 24.46, X= 36.27, Y= 25.65
  - 12.5Ton: A= 12.62, B= 24.46, X= 36.27, Y= 29.63
    (All dimensions in inches)



- Blower and control box opening:
  - 7.5/8.5/10Ton: A= 9.42, B= 22.40, X= 32.61, Y= 23.31
  - 12.5Ton: A= 9.42, B= 22.40, X= 32.61, Y= 27.49
    (All dimensions in inches)