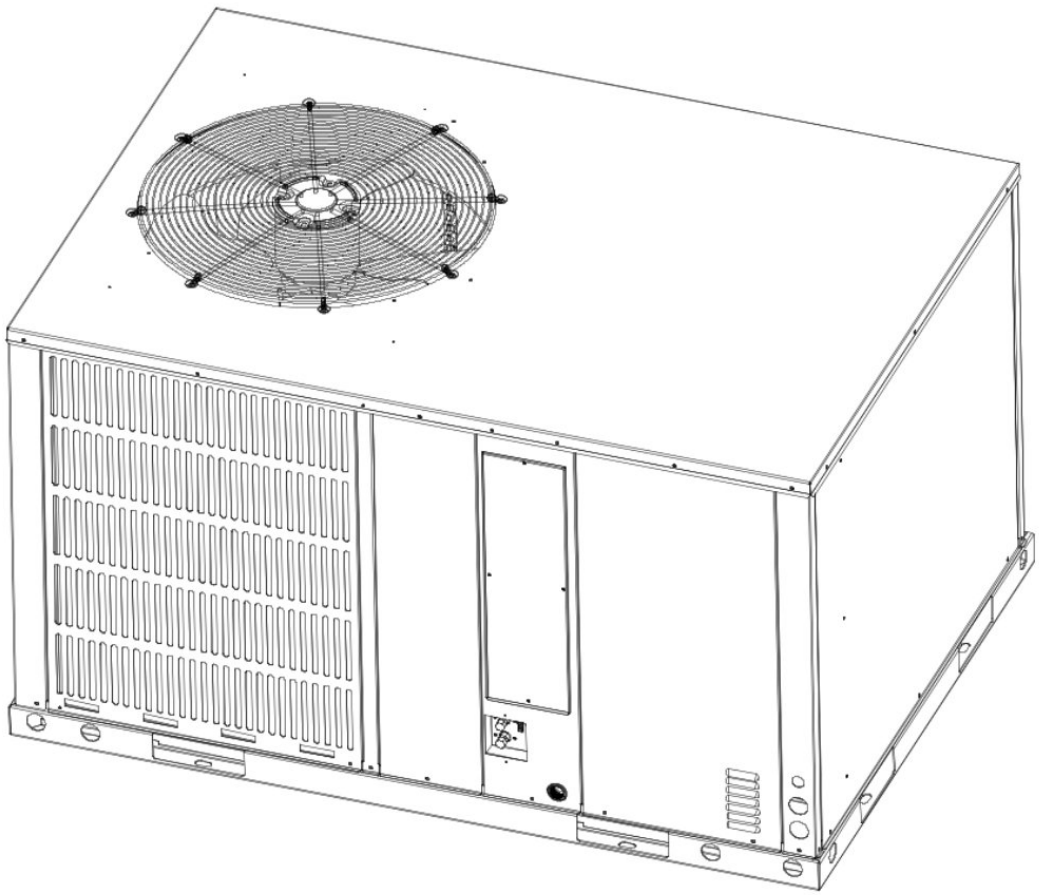
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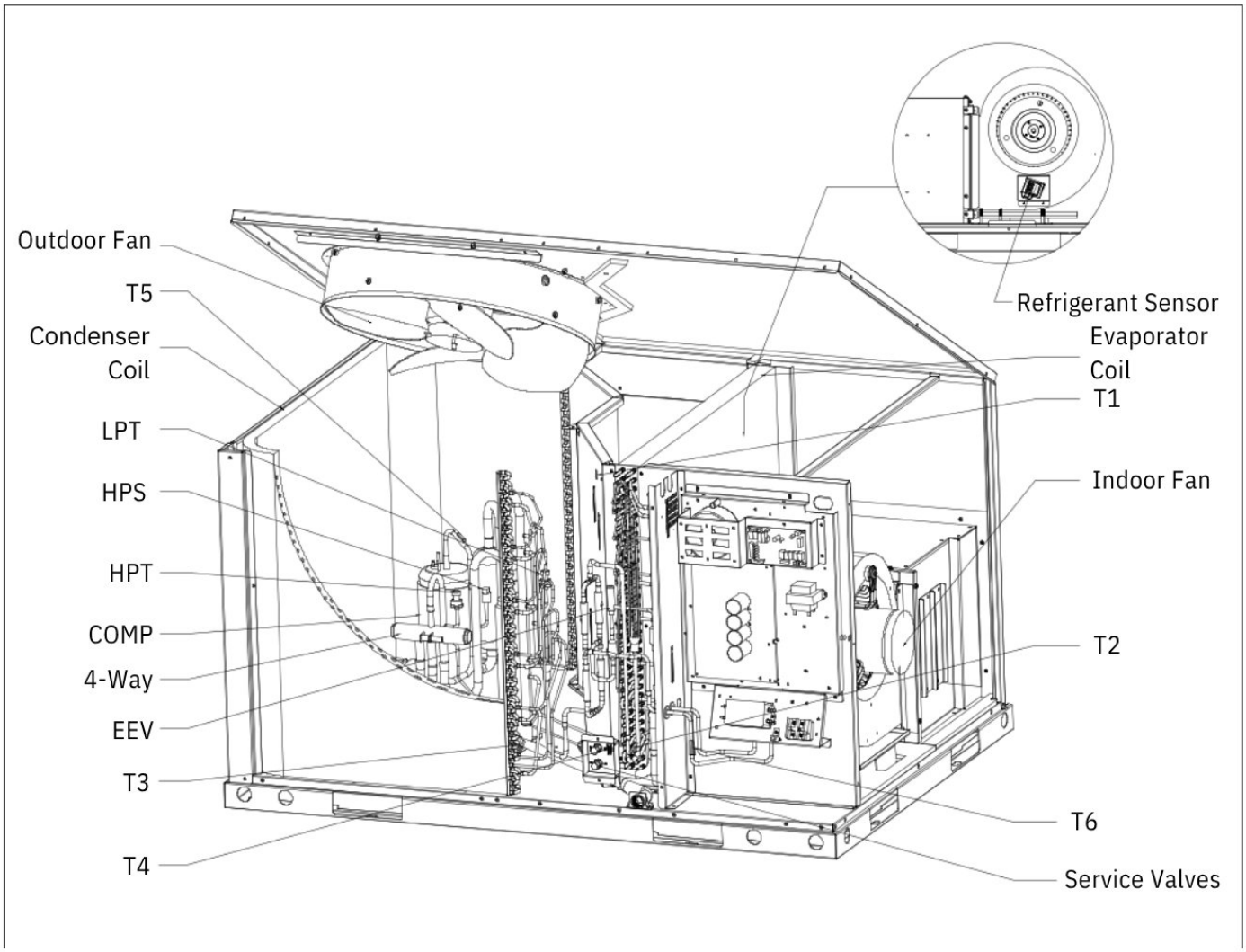
Condensing Unit
16.0 SEER2 | 4Ton、5Ton Capacity | R32



1.Product Specifications

Model	ART-HF48DDMR3-C01/SE160	ART-HF60DDMR3-C01/SE160
Electrical Data		
Rated Volts/PH/Hz	208-230/1/60	208-230/1/60
Min / Max Volts	176 / 265	176 / 265
Performance Cooling	40°F - 120 °F	40°F - 120 °F
BTUH (High)	44000	54000
Indoor Airflow (CFM)	1360	1360
SEER2/ EER2-HI	16/10.5	16/10.5
Performance Heating	-4°F - 86°F	-4°F - 86°F
(High Temp.) BTUH / COP (High)	44500/3.5	54000/3.5
Power Input (KW)	12.71	15.43
HSPF2 (BTU / Watt-Hr.)	7.5	7.5
Power Conn. - V/Ph/Hz	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity	42.4	42.4
Max. Overcurrent Protection Min.	60.00	60.00
/ Max. Volts	176 / 265	176 / 265
Fuse Size - Max. / Recmd. (amps)	60	60
Compressor	Rotary	Rotary
Volts/Ph/Hz	208-230/1/60	208-230/1/60
R.L. Amps	27.0	27.0
Outdoor Coil - Type	Finned Tube Exchanger	Finned Tube Exchanger
Tube Size (in.)	9/32	9/32
Circuitry Type	Interlaced	Interlaced
Refrigerant Control	EEV	EEV
Indoor Coil - Type	Finned Tube Exchanger	Finned Tube Exchanger
Tube Size (In.)	9/32	9/32
Circuitry Type	Interlaced	Interlaced
Drain Conn. Size (In.)	3/4 NPTI	3/4 NPTI
Outdoor Fan - Type	Propeller	Propeller
Dia. (in.)	23-5/8"	23-5/8"
Motor - HP/R.P.M.	1/3 / 200~1050 208-	1/3 / 200~1050 208-
Volts/Ph/Hz	230/1/60	230/1/60
F.L. Amps/L.R. Amps	2.0	2.0
Indoor Fan - Type	Centrifugal	Centrifugal
Drive/No. Speeds	Direct / 5	Direct / 5
CFM	1660	1660
Motor - HP/R.P.M.	3/4 / 1050	3/4 / 1050
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	6.5	6.5
Refrigerant / Charge (OZ)	R32 /105.8	R32 /105.8
Dimensions		
Unit only L x W x H (in.)	58-1/2×42-1/20× 33-1/14	58-1/2×42-1/20×33-1/14
Weight		
Net lb. (OZ)	443(2)	443(2)
Gross lb. (OZ)	447(9)	447(9)

2.2 4-5 Ton Model

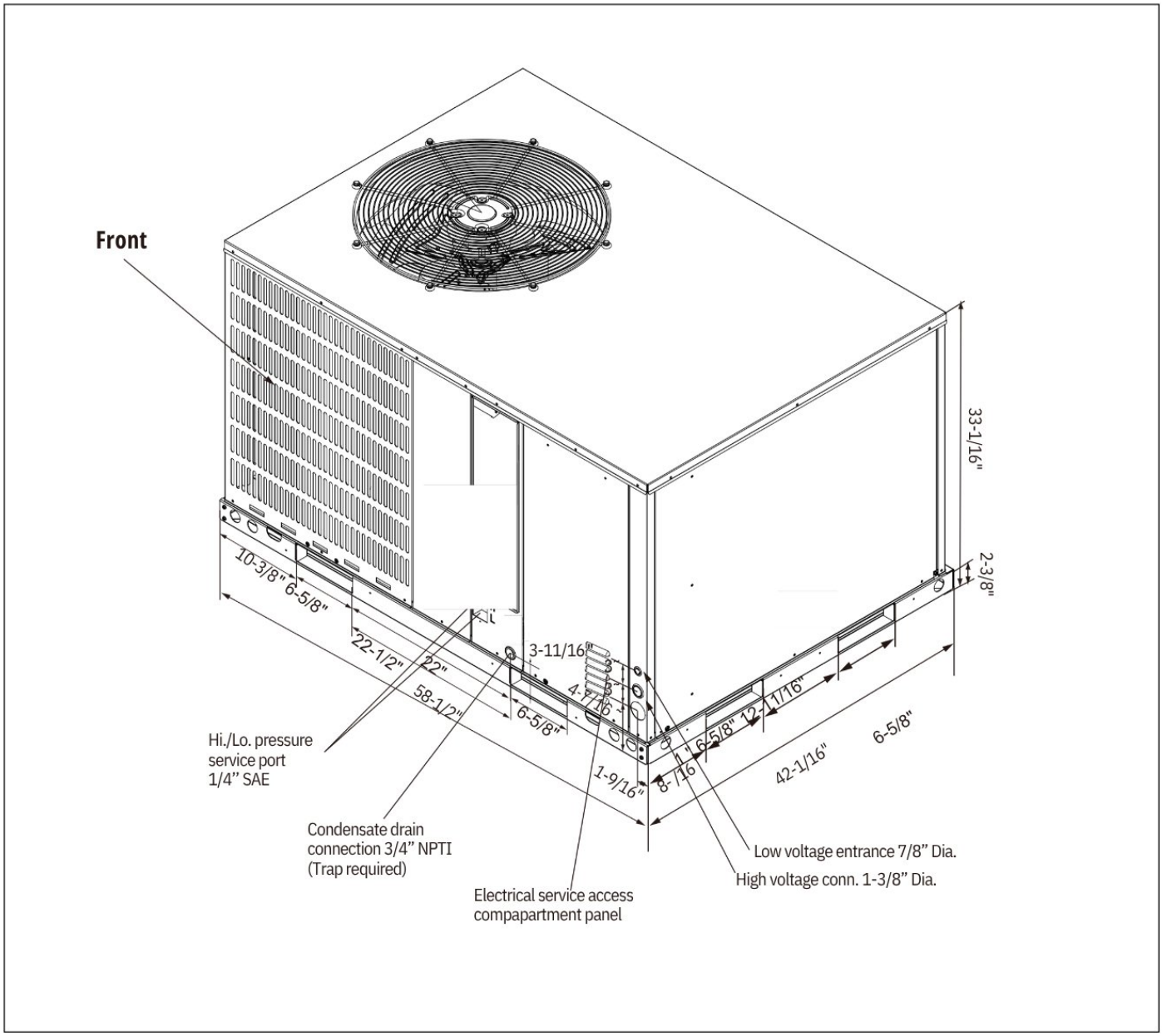


Component	Descriptions	Component	Descriptions
LPT	Low Pressure transducer	T4	Ambient temp. sensor
HPS	High pressure switch	T5	Comp. discharge temp. sensor
HPT	High Pressure transducer	T6 4-	Liquid pipe temperature
T1	Return air temp. sensor	Way	Four-Way Valve
T2	Indoor coil temp. sensor	COMP	Compressor
T3	Condenser temp. sensor	EEV	Electronic expansion valve

Component Descriptions

3.2 4-5 Ton Model

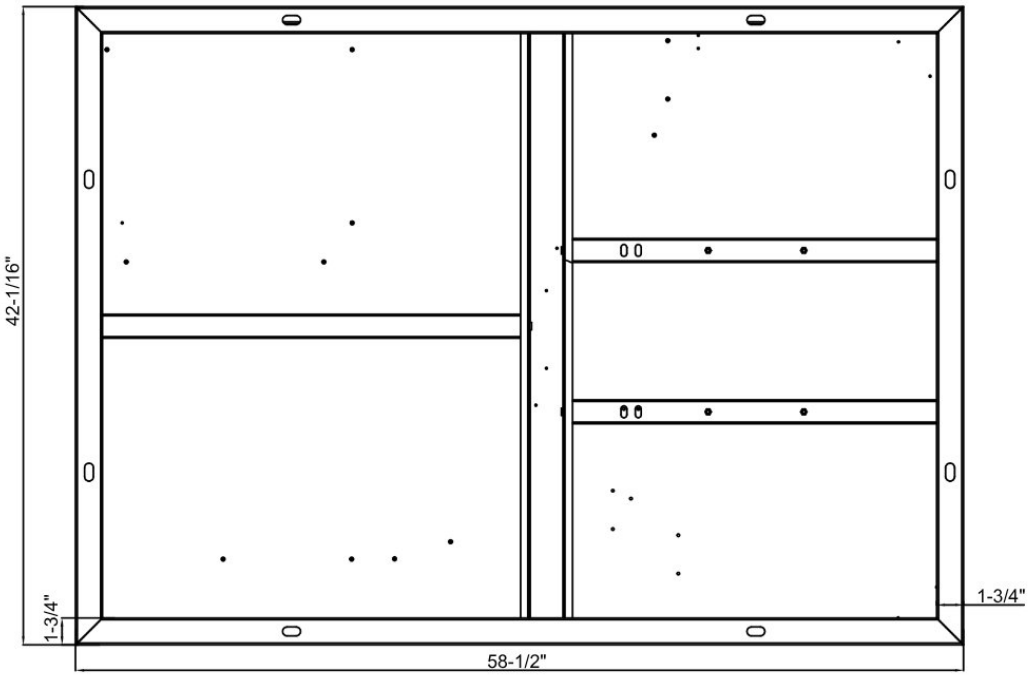
3.2.1 Unit Dimensions



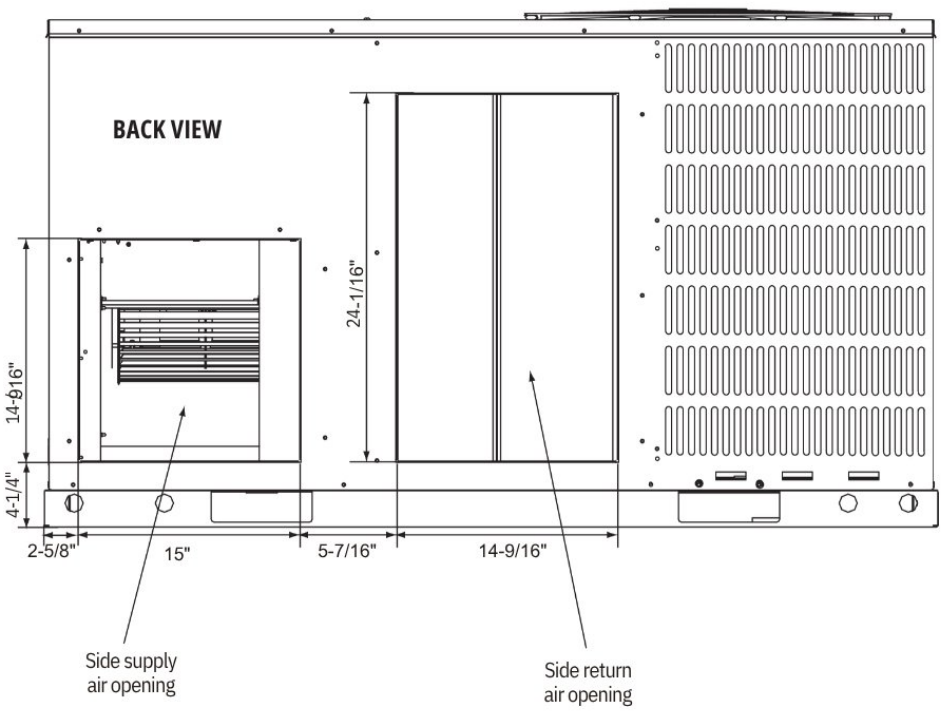
Heat Pump Model	L	W	H
4-5 Ton Model	58-1/2"	42-1/16"	33-1/16"

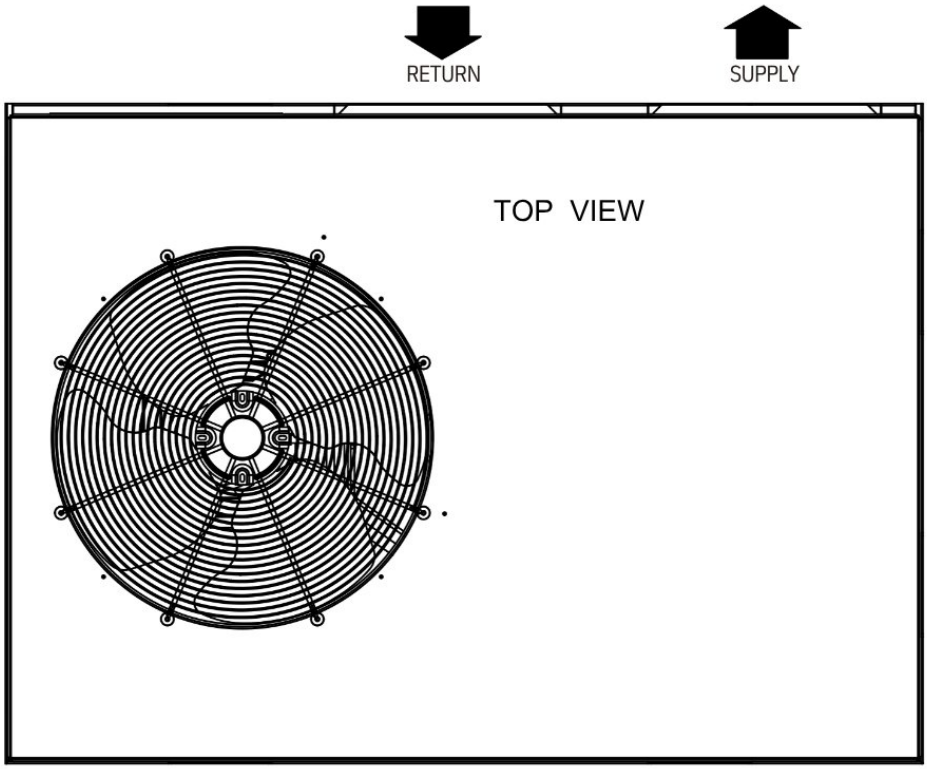
4-5 Ton Unit Dimensions

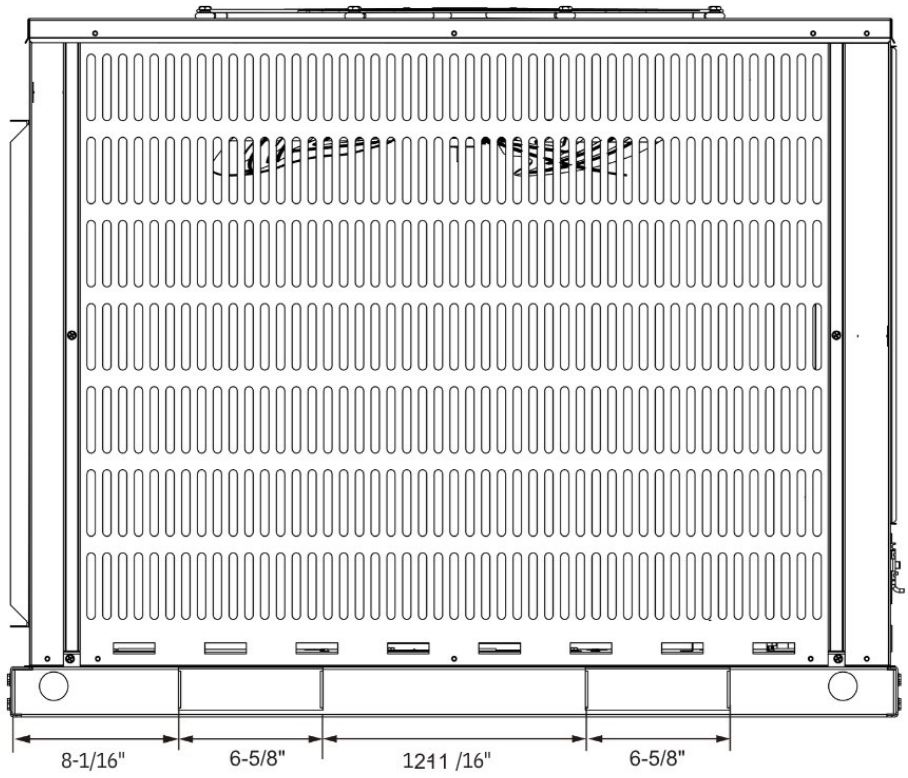
3.2.2 Dimensions - Back and Bottom



BOTTOM VIEW







LEFT SIDE VIEW

5 Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Select performance table for appropriate unit size. External static applied to unit allows operation within the minimum and maximum limits shown in table below for both cooling and electric heat operation

Airflow Performance

Model	Blower Speeds	External Static Pressure (in.w.c .)								
				0.2	0.3	0.4	0.5	0.6	0.7	
48K	1	1230	1186	1140	1081	1022	922	869	816	763
	2	1404	1360	1316	1267	1219	1170	1136	1051	964
	3	1585	1544	1503	1467	1431	1388	1344	1288	1231
	4-Factory Default	1730	1689	1655	1621	1587	1549	1514	1457	1416
	5	1887	1852	1815	1780	1745	1707	1681	1599	1517
60K	1	1230	1186	1140	1081	1022	922	869	816	763
	2	1404	1360	1316	1267	1219	1170	1136	1051	964
	3	1585	1544	1503	1467	1431	1388	1344	1288	1231
	4-Factory Default	1730	1689	1655	1621	1587	1549	1514	1457	1416
	5	1887	1852	1815	1780	1745	1707	1681	1599	1517

1. The advanced airflow must be used as the rated airflow for the full-load operation of the machine.
2. The rated airflow of a system without an electric heater kit requires 300 to 450 cubic feet of air per minute (CFM).
3. The rated airflow of a system with an electric heater kit requires 350 to 450 cubic feet of air per minute(CFM).
4. The air distribution system has the greatest influence on air flow. Therefore, the contractor should only use the procedures recognized by the industry.
5. The design and construction of air duct should be done carefully. Poor design or process will lead to a significant decline in system performance.
6. The air supply duct should be set along the periphery of the air-conditioned space with appropriate size. Improper location of insufficient airflow may lead to insufficient ventilation or noise in the pipeline system.
7. The installer should balance the air distribution system to ensure that all rooms in the room have proper quiet airflow. The speedometer or airflow hood can be used to balance and verify the branch pipe and system airflow (CFM).