

4DPH2

PRODUCT SPECIFICATIONS

MINI-SPLIT SINGLE ZONE
HEAT PUMP OUTDOOR UNITS - R-410A - 60 HZ

FORM NO. 4DHP2SINGLEODU-100 (09/2023)

4DHP2S48 Heat Pump Outdoor Units



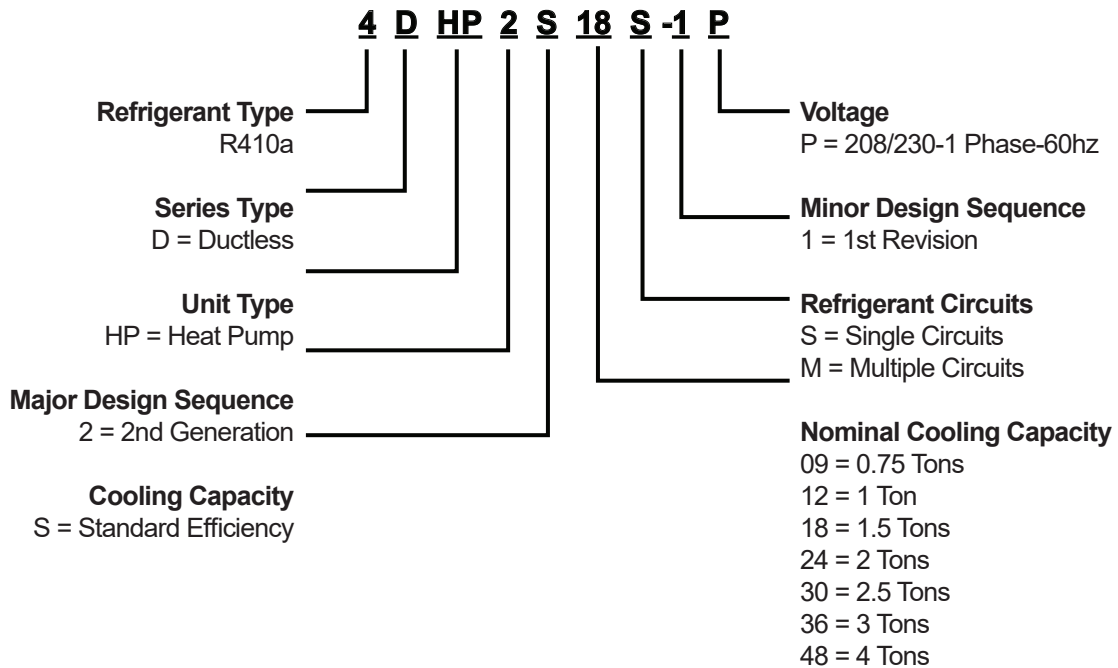
4DHP2S09 thru 36 Heat Pump Outdoor Units



Certain models
have earned the
ENERGY STAR®
mark by meeting
strict energy
efficiency guidelines
set by the US EPA.

SEER2 - up to 25.5 / SEER - up to 25.5
HSPF2 up to 11.9 / HSPF - up to 13.2
0.75 to 5 Tons
Cooling Capacity - 8,900 to 60,000 Btuh
Heating Capacity - 10,000 to 59,000 Btuh

MODEL NUMBER IDENTIFICATION



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SYSTEM COMPONENTS



Wireless
Remote Controller
(furnished with
Wall-Mount and
Cassette Models)



D22C1/D33C2 Cassette
Non-Ducted Indoor Unit



DWM2 Wall-Mounted
Non-Ducted Indoor Unit



DMD2 Medium Static Ducted Indoor Unit
with Wired Remote Controller (furnished)



4DHP2S09 thru 36 Heat Pump Outdoor Units



4DHP2S48 Heat Pump Outdoor Unit

APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 210/240 certified with Addenda 1 and 2
- ENERGY STAR® certified units (certain models) are designed to use less energy, help save money on utility bills, and help protect the environment
- Rated According to U.S. Department of Energy (DOE) test procedures
- Outdoor units and components UL and CEC bonded for grounding to meet safety standards for servicing
- ETL certified for the U.S. and Canada
- Meets 2014 Florida Building Code Wind Design Criteria
 - Ultimate Wind Speed – 186 miles per hour
 - Risk Categories – III and IV
 - Wind Exposures – C and D
 - Mean Roof Heights – Up to 60 feet above ground

WARRANTY

- Compressor - Limited seven years
- All other covered components
 - Limited five years in residential applications
 - Limited one year in non-residential applications
- Accessories and controls - Limited one year

NOTE - Refer to Equipment Limited Warranty certificate included with unit for specific details.

FEATURES

APPLICATIONS

- 0.75 through 5 ton
- Single phase power supply (208/230V)
- Outdoor unit sound levels as low as 53 dBA
- Indoor unit sound levels as low as 23 dBA
- Ductless mini-split systems provide a wide range of capacities and applications and provide an alternative when a ducted system is impractical or cost prohibitive
- Units shipped completely factory assembled, internally piped, and wired

NOTE - Outdoor unit is designed for outdoor location only.

NOTE - it is recommended that Medium Static Ducted Indoor Units not be installed in unconditioned spaces with temperatures above 100°F.

REFRIGERATION SYSTEM

R-410A Refrigerant

- Non-chlorine, ozone friendly
- Unit is factory pre-charged

Outdoor Coil

- Aluminum fins fitted to copper tubes
- Wire grille guard provided

Outdoor Fan

- Direct drive fan moves large air volumes uniformly through entire outdoor coil for high refrigeration capacity.
- Fan guard provided

OUTDOOR UNITS

Refrigerant Line Connections, Service Valve

- Flare connection lines are located on side of unit cabinet
- Fully serviceable brass service valve prevents corrosion and provides access to refrigerant system

COMPRESSOR

Variable Frequency Rotary Compressor

- Compressor features high efficiency operation
- Balanced for reduced vibration and quiet operation
- Brushless DC motor uses powerful Neodymium magnets, which are approximately 15-20 times stronger than ferrite magnets used in conventional AC compressors

Compressor Crankcase Heater

- Protects against liquid refrigerant migration that can occur during low ambient operation

CONTROLS

DC Inverter Control

- Provides continuous operation, while adjusting capacity according to room temperature
- The accurate sensing of cooling loads prevents frequent changes in capacity and ensures efficient, economical operation

Inverter Module Protection

- Protects against differences in current, voltage and temperature
- Displays code on the indoor unit indicating a need for servicing

FEATURES**OUTDOOR UNITS****CONTROLS (continued)****Outdoor Unit Microprocessor**

- Electronic expansion valve control
- Automatic compressor timed-off protection (3 minutes)
- Temperature sensor
- LEDs on control display error codes and assist in troubleshooting
- 4-Way reversing valve control

Electronic Expansion Valve

- Furnished on all models

Compressor Overcurrent Protection

- Overcurrent protection can result due to any of the following:
 - Ambient temperature is too high
 - Locked rotor on the compressor
 - Outdoor air is blocked or restricted

Condenser High Temperature Protection

- Condenser high temperature can occur due to any of the following conditions:
 - High outdoor ambient
 - Outdoor fan blocked
 - Outdoor coil blocked
- The outdoor coil thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency if needed to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high the compressor will be de-energized

Compressor Discharge Temperature Protection

- The compressor discharge line thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high, the compressor will be de-energized

Voltage Protection

- Protects unit from low or high voltage fluctuations

Terminal Strip

- Furnished for easy wiring connections

Automatic Piping/Wiring Correction

- Automatically checks piping/wiring connections
- A "Check Switch" on outdoor unit control reviews zone wiring and piping connections and displays "CE" if all connections are correct
- If a unit(s) is not connected to the correct zone the control will automatically remap the wiring to the correct zone based on indoor unit size

Defrost Control

- Defrost cycle is automatically enabled if there is a build-up of frost on the outdoor coil
- Outdoor fan operation is terminated during the defrost cycle
- Indoor fan changes to ultra low speed during the defrost cycle to help bring warm refrigerant back to the outdoor coil to assist during defrost operation
- Defrost LED is lit on the indoor unit panel on the front cover during a defrost cycle

Reversing Valve

- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa
- Valve operates on pressure differential between outdoor unit and indoor unit of the system

CABINET

- Constructed of heavy gauge steel
- Tabs on unit base allow secure mounting to slab
- Condensate drain outlets furnished on unit base

NOTE - Drain must be field furnished.

- Pan heater prevents ice build-up in the bottom of the unit during heating operation
- Access cover for power and control wiring connections
- Access cover for service valves

FEATURES**INDOOR UNITS OVERVIEW****WALL-MOUNTED INDOOR UNITS**

- Low-sound, three-speed Wall Mount with LED display
- Swing louver angles to 90°
- Unit installs horizontally on a vertical wall
- Wall plate furnished for installation
- Wireless remote controller furnished

NOTE - See the DWM2 Product Specifications bulletin for more information.

CASSETTE INDOOR UNITS

- Cassette unit with LED display
- Low-sound
- Galvanized steel case
- Offers 360° airflow for immediate, equal distribution of wide-range cooling and heating
- 360° Airflow Panel - Allows for even, wide-range cooling and heating
- Wireless remote controller furnished

NOTE - The cassette panel must be ordered separately.

NOTE - See the D22C1/D33C2 Product Specifications bulletin for more information.

MEDIUM STATIC DUCTED INDOOR UNITS

- Slim, compact design for limited space requirements. Installs out of sight between the drop ceiling and ceiling slab with ducted distribution to the indoor space
- Wired remote controller furnished

NOTE - See the DMD2 Product Specifications bulletin for more information.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

OUTDOOR UNITS

Condenser Pad

- Provides permanent foundation for outdoor units
- One-piece lightweight structural foam and molded from high-density polyethylene (HDPE)
- Lightweight, easy to carry and install
- Textured finish provides a non-skid surface so outdoor unit sits securely in one place
- UV stable

Disconnects

- Positive unit disconnect
- Single door enclosure
- Fused and non-fused models available

Fuses

- 30 and 60 amp fuses available

Indoor/Outdoor Wiring Cable

- 14-gauge, 4-conductor wire
- THHN (Thermoplastic High Heat-resistant Nylon-coated) wire
- Suitable for wet or dry locations
- Rated up to 600V

Refrigerant Line Sets

- Refrigerant lines are shipped refrigeration clean
- Lines are cleaned, dried, pressurized and sealed at factory

Wall Brackets

- Heavy duty 1/8 in. thick steel brackets for supporting outdoor units
- Mount at any height to allow for easy maintenance under units
- Pre-punched holes for easy installation
- Powder coated gray finish
- Load rating 600 lbs. per pair

Whips

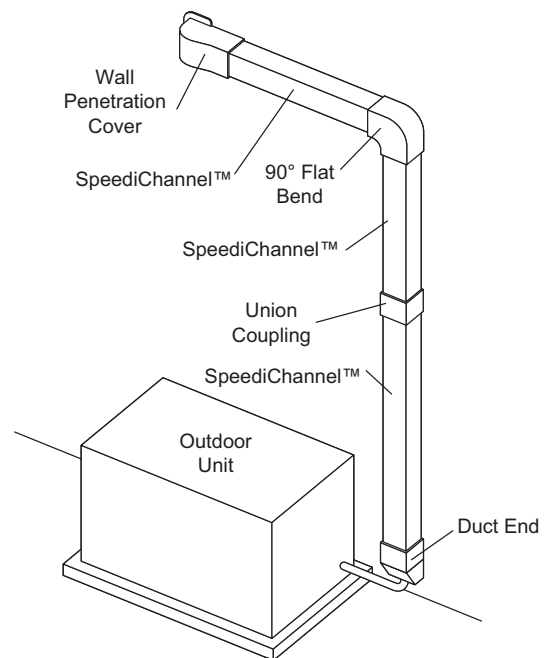
- Heavy duty electrical whips are available in 8 and 10 gauge sizes
- 6 ft. lengths
- Weatherproof metal conduit

SPEEDICHANNEL™ SYSTEM



- SpeediChannel™ is a channel system covers system line sets
- Two-part system has a base and a cover
- Base is fastened to a wall or ceiling with plastic clips (SpeediClip™) that snap into a channel already molded into the base
- Cover fits on top of the base
- Manufactured from rigid PVC, which is UL rated and resistant to UV light
- System is a natural color that closely matches typical mini-split outdoor units
- Can be painted as desired to match any wall color

Typical Application



OPTIONAL ACCESSORIES - ORDER SEPARATELY**SPEEDICHANNEL™ SYSTEM (continued)****SpeediChannel™ Starter Kit**

- The starter kit includes (1) Coupling, (1) Wall Penetration, (1) Inside Elbow, (1) Long Radius Flat Bend, (10) Speediclips™, (10) 11 in. Cable Ties, and (1) SpeediChannel Instruction Booklet

Duct End

- Duct Ends are used to terminate a run of SpeediChannel™ to a small opening just large enough for the line set and condensate drain line to pass through

**Flat Wall Escutcheon**

- Flat Wall Escutcheons are used to cover a rough opening in a soffit, wall, ceiling penetration



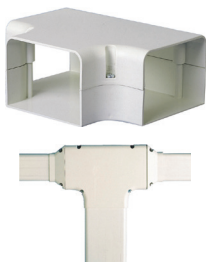
- One side of the escutcheon is flat to allow for a SpeediChannel™ to run along a wall and to penetrate through an adjacent wall or ceiling
- This is the most common type of wall penetration
- Furnished in two parts, the escutcheon easily snaps onto the SpeediChannel™

Flex Joint

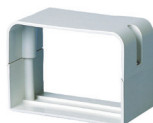
- A Flex Joint is an accordion-style piece of SpeediChannel™
- The flex joint can be extremely flexible when routing a SpeediChannel™ system around an obstacle
- Each joint is 20 in. long and can be combined together for longer flex runs
- The flex joint does not require the use of a union coupling
- The flex joint slides tightly inside the SpeediChannel™ system

T-Joint

- T-Joints are used for creating a tee connection between three pieces of SpeediChannel™
- Each tee is individually packed and furnished with stainless steel screws

**Union Coupling**

- Union Couplings are used for joining two pieces of SpeediChannel™
- Each coupling is individually packed and furnished with stainless steel screws

**Wall Penetration Cover**

- Wall penetration covers are used to transition from the SpeediChannel™ system to a through wall penetration
- Wall covers are designed to allow for easy installation, even after the line set has been installed
- A hooking and fastening arrangement allows for quick installation
- Each wall cover is individually packed, and furnished with stainless steel screws attach the wall cover to the base
- Three screws are necessary to fasten the wall cover to the wall construction, regardless of the type of installed system

**45° and 90° Flat Bend Elbows**

- 45° Flat Bends are used to route the SpeediChannel™ around obstacles
- Each bend is individually packed and furnished with stainless steel screws



45°



90°

90° Inside Elbow

- 90° Inside Elbows are used to route the SpeediChannel™ around an inside corner
- Each elbow is individually packed and furnished with stainless steel screws

**Mount Block White Qty. (2) 14 in. and (2) 36 in.**

- Mount Blocks are used as mounting bases when outdoor units must be bolted down
- End caps (for aesthetics) come furnished with mounting bolts
- Maximum load capacity is 900 pounds per mounting block
- Installation temperatures range from -4°F to 140°F
- Mount blocks fit all mini-split outdoor units with a sliding rail feature



SPECIFICATIONS		OUTDOOR UNITS - 0.75 TON 1.5 TON		
Nominal Size - Tons		0.75	1	1.5
Outdoor Unit Model No.		4DHP2S09S	4DHP2S12S	4DHP2S18S
Ambient Temperature Operating Range - °F	Cooling	-13 - 122	-13 - 122	-13 - 122
	Heating	-13 - 86	-13 - 86	-13 - 86
Sound Data (dBA)	Cooling/Heating (115V)	- - -	54	- - -
	Cooling/Heating (208/230V)	53	53.5	58
Refrigerant (R-410A)	Charge furnished (115V)	- - -	2 lbs. 8 oz.	- - -
	Charge furnished (208/230V)	2 lbs. 6 oz.	2 lbs. 6 oz.	3 lbs. 8 oz.
	Maximum line length with furnished charge - ft.	25	25	25
	Additional charge required per ft. - oz.	0.16	0.16	0.16
Compressor	No. and Type	(1) Rotary	(1) Rotary	(1) Rotary
	Refrigerant oil type	Ester Oil VG74	Ester Oil VG74	Ester Oil VG74
	Refrigerant oil charge - oz.	10.5	10.5	14.9
Connections - in.	Liquid/Gas pipe (flare)	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2
	Maximum refrigerant pipe length - ft.	82	82	98
	Max. difference in level of indoor unit - ft.	33	33	66
Outdoor Fan	(No.) Diameter - in.	16-1/2	16-1/2	16-1/2
	Total air volume - cfm	1295	1295	1765
	rpm	800	800	810
Outdoor Coil	Number of rows	2	2	3
	Fins per inch	21	21	19
	Fin type	Hydrophilic aluminum		
	Tube outside diameter - in.	5/16	5/16	5/16
	Tube type	Rifled copper tubing		
	Net face area - ft. ²	4.04	4.04	5.90
	Application area - sq. ft.	130 - 195	170 - 250	260 - 375
Design Pressure	PSIG	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.) (115V)	- - -	67 / 72	- - -
	(208/230V)	64 / 69	64 / 69	95 / 102

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V	115V	208/230V	208/230V
¹ Maximum Overcurrent Protection (MOCP) amps		15	25	15	25
	² Minimum circuit ampacity (MCA)	13	19	13	17
	Compressor Rated load amps	6.4	6.4	6.4	12
Outdoor Fan Motor	Rated load amps	0.4	0.6	0.4	0.76
	Output - W	34	34	34	80

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

¹ HACR type circuit breaker or fuse.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS		OUTDOOR UNITS - 2 TON 2.5 TON	
Nominal Size - Tons		2	2.5
Outdoor Unit Model No.		4DHP2S24S	4DHP2S30S
Ambient Temperature Operating Range - °F	Cooling	-13 - 122	-13 - 122
	Heating	-13 - 86	-13 - 86
Sound Data (dBA)	Cooling/Heating	60	61.5
Refrigerant (R-410A)	Charge furnished	5 lbs. 3 oz.	6 lbs. 1 oz.
	Maximum line length with furnished charge - ft.	25	25
	Additional charge required per ft. - oz.	0.32	0.32
Compressor	No. and Type	(1) Rotary	(1) Rotary
	Refrigerant oil type	POE Oil VG74	POE Oil VG74
	Refrigerant oil charge - oz.	21.0	22.7
Connections - in.	Liquid/Gas pipe (flare)	3/8 / 5/8	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	164	164
	Max. difference in level of indoor unit - ft.	82	82
Outdoor Fan(s)	(No.) Diameter - in.	(1) 22	(1) 22
	Total air volume - cfm	2235	2235
	rpm	900	900
Outdoor Coil	Number of rows	2.6	2.6
	Fins per inch	18	18
	Fin type	Hydrophilic aluminum	
	Tube outside diameter - in.	5/16	5/16
	Tube type	Rifled copper tubing	
	Net face area - ft. ²	8.21	8.22
	PSIG	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	125 / 135	142 / 152
ELECTRICAL DATA			
Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V
¹ Maximum Overcurrent Protection (MOCP) amps		30	30
² Minimum circuit ampacity (MCA)		22	23
Compressor Rated load amps		13	15
Outdoor Fan Motor	Rated load amps	0.5	0.6
	Output - W	120	120

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

¹ HACR type circuit breaker or fuse.

² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS		OUTDOOR UNITS - 3 TON 4 TON	
Nominal Size - Tons		3	4
Outdoor Unit Model No.		4DHP2S36S	4DHP2S48S
Ambient Temperature Operating Range - °F	Cooling	-13 - 122	-13 - 122
	Heating	-13 - 86	-13 - 86
Energy Star		No	No
Sound Data (dBA)	Cooling/Heating	65	63.5
Refrigerant (R-410A)	Charge furnished	7 lbs. 1 oz.	9 lbs. 15 oz.
	Maximum line length with furnished charge - ft.	25	25
	Additional charge required per ft. - oz.	0.32	0.32
Compressor	No. and Type	(1) Rotary	(1) Rotary
	Refrigerant oil type	POE Oil VG74	POE Oil VG74
	Refrigerant oil charge - oz.	33.8	47.3
Connections - in.	Liquid/Gas pipe (flare)	3/8 / 5/8	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	213	213
	Max. difference in level of indoor unit - ft.	98	98
Outdoor Fan(s)	(No.) Diameter - in.	(1) 22	(2) 22
	Total air volume - cfm	2120	4500
	rpm	1050	900
Outdoor Coil	Number of rows	2	2
	Fins per inch	18	18
	Fin type	Hydrophilic aluminum	
	Tube outside diameter - in.	3/8	3/8
	Tube type	Rifled copper tubing	
	Net face area - ft. ²	8.16	13.53
Design Pressure	PSIG	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	155 / 166	219 / 249
ELECTRICAL DATA			
Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V
¹ Maximum Overcurrent Protection (MOCP) amps		45	50
² Minimum circuit ampacity (MCA)		30	36.6
Outdoor Fan Motor	Output - W	120	(2) 85

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

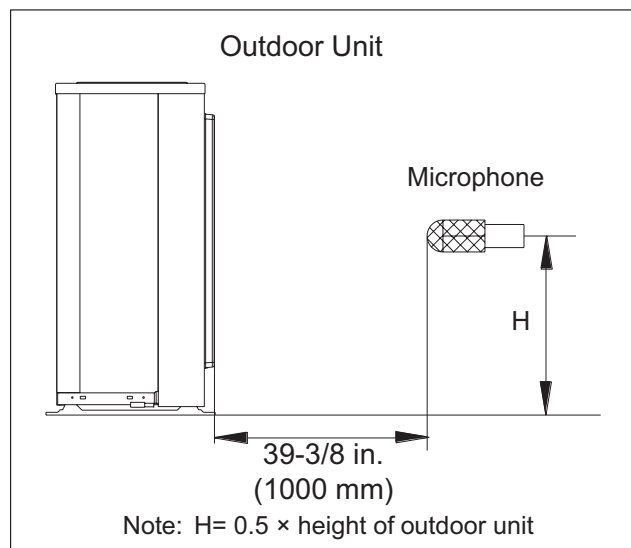
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² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description	Catalog No.	Size							
		09	12	18	24	30	36	48	
OUTDOOR UNIT									
Condenser Pad (18 x 38 x 3)	Y5014	•	•	•	•	•	•	•	
Disconnects	30 amp, fused, 1 ph	27P37	•	•	•	•	•	•	
	60 amp, non-fused, 1 ph	27P39	•	•	•	•	•	•	
Fuses	30A	83P75	•	•	•	•	•	•	
	60A	83P77	•	•	•	•	•	•	
Hail Guards (H x W)	(1) 18-7/8 x 27-1/2 in. + (1) 18 x 9-1/8 in.	24M82	•	•	N/A				
	(1) 22-7/8 x 32 in. + (1) 22-1/4 x 11 in.	24M85	N/A		•	N/A			
	(1) 28-5/8 x 33-1/2 in. + (1) 28-5/8 x 12-7/8 in.	24M84	N/A			•	•	•	N/A
	(1) 48-5/8 x 29-1/8 + (1) 48-5/8 x 11-1/2 in.	24M83	N/A						•
Line Sets	1/4 in. x 3/8 in. x 25 ft.	90X53	•	N/A					
	1/4 in. x 3/8 in. x 50 ft.	X0258	•	N/A					
	1/4 in. x 1/2 in. x 25 ft.	90X52	N/A	•	•	N/A			
	1/4 in. x 1/2 in. x 50 ft.	X0259	N/A	•	•	N/A			
	3/8 in. x 5/8 in. x 25 ft.	X8406	N/A			•	•	•	•
	3/8 in. x 5/8 in. x 50 ft.	X8407	N/A			•	•	•	•
Wall Brackets	30 inch	X1727	•	•	•	•	N/A		
	36 inch	X1728	N/A				•	•	•
Whips	10 Gauge - 1/2 in. x 6 ft.	29P54	•	•	•	•	•	•	•
	8 Gauge - 3/4 in. x 6 ft.	27P44	•	•	•	•	•	•	•
SPEEDICHANNEL™ SYSTEM									
SpeediChannel™ Starter Kit - 4 in.	Y3387	•	•	•	•	•	•	•	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)	Y3388	•	•	•	•	•	•	•	•
Union Coupling - 4 in.	Y3389	•	•	•	•	•	•	•	•
90° Flat Bend Elbow - 4 in.	Y3390	•	•	•	•	•	•	•	•
90° Inside Elbow - 4 in.	Y3391	•	•	•	•	•	•	•	•
45° Flat Bend Elbow - 4 in.	Y3392	•	•	•	•	•	•	•	•
Flex Joint - 4 in.	Y3393	•	•	•	•	•	•	•	•
T-Joint - 4 in.	Y3394	•	•	•	•	•	•	•	•
Duct End - 4 in.	Y3395	•	•	•	•	•	•	•	•
Flat Wall Escutcheon - 4 in.	Y3396	•	•	•	•	•	•	•	•
Wall Penetration Cover - 4 in.	Y3399	•	•	•	•	•	•	•	•
Mount Block (White) Qty, 2 - 14 in.	Y3397	•	•	•	•	•	•	•	•
Mount Block (White) Qty, 2 - 36 in.	Y3398	•	•	•	•	•	•	•	•

¹ Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

SOUND LEVELS - TEST CONDITIONS

AHRI SYSTEM MATCHES

Outdoor Unit	Indoor Unit	2017							2023					1 AHRI Reference Number
		Cooling Capacity	EER	SEER	Heat Capacity		HSPF (IV)	Cooling Capacity	EER2	SEER2	High Heat	HSPF2 (IV)		
					High	Low								
4DHP2S09S-1P	D22C109S4-1P	9000	13	20	10000	7500	10.5	9000	13	20	10000	10	208128183	
4DHP2S12S-1P	D22C112S4-*P	12000	14	22	12000	8900	10.6	11800	13.9	22.7	12000	9.9	211034508	
4DHP2S12S-1P	D22C112S4-1P	12000	14	22	12000	8900	10.6	11800	13.9	22.7	12000	9.9	208106657	
4DHP2S18S-1P	D22C118S4-*P	16000	12.5	20.5	18500	12000	11	16000	12.5	20.5	19000	10.4	211034509	
4DHP2S18S-1P	D22C118S4-1P	16000	12.5	20.5	18500	12000	11	16000	12.5	20.5	19000	10.4	208106658	
4DHP2S24S-1P	D33C224S4-*P	24000	12.5	20.7	25000	19000	10	23600	12.3	21.5	26000	9.6	211034510	
4DHP2S24S-1P	D33C224S4-1P	24000	12.5	20.7	25000	19000	10	23600	12.3	21.5	26000	9.6	208106659	
4DHP2S36S-1P	D33C236S4-*P	36000	9	18.2	38000	23000	10.6	36000	9.4	19.2	38000	8.7	211034511	
4DHP2S36S-1P	D33C236S4-1P	36000	9	18.2	38000	23000	10.6	36000	9.4	19.2	38000	8.8	208106757	
4DHP2S48S-1P	D33C248S4-*P	48000	9.5	17.8	50000	30000	11	47000	9.5	18.5	50000	9.8	211034512	
4DHP2S48S-1P	D33C248S4-1P	48000	9.5	17.8	50000	30000	11	47000	9.5	18.5	50000	9.8	208106758	
4DHP2S09S-1P	DMD209S4-1P	9000	13.5	21	10000	7700	11.5	9000	12.5	19.2	10000	10.2	208128184	
4DHP2S12S-1P	DMD212S4-*P	12000	12.5	21.5	12000	9300	10.5	11500	11.7	18.8	12000	10.3	211034502	
4DHP2S12S-1P	DMD212S4-1P	12000	12.5	21.5	12000	9300	10.5	11500	11.7	18.8	12000	10.3	208106660	
4DHP2S18S-1P	DMD218S4-*P	17800	12.5	20.5	20000	12600	11	17000	12.3	20	20000	10.5	211034503	
4DHP2S18S-1P	DMD218S4-1P	17800	12.5	20.5	20000	12600	11	17000	12.3	20	20000	10.5	208106661	
4DHP2S24S-1P	DMD224S4-*P	24000	12.6	21.5	24600	20000	11.2	23000	12.3	19	25000	11	211034504	
4DHP2S24S-1P	DMD224S4-1P	24000	12.6	21.5	24600	20000	11.2	23000	12.3	19	25000	11	208106662	
4DHP2S36S-1P	DMD236S4-*P	36000	9	16.7	40000	25000	11.5	36000	8.8	15.8	40000	8.8	211034505	
4DHP2S36S-1P	DMD236S4-2P	36000	9	16.7	40000	25000	11.5	36000	8.8	15.8	40000	8.8	208106759	
4DHP2S48S-1P	DMD248S4-*P	48000	9.2	17.4	50000	34000	10.3	48000	8.4	15.1	50000	9.1	211034506	
4DHP2S09S-1P	DWM209S4-1P	9000	15	25.5	10000	8500	12.2	9000	15	25.5	10000	12.3	208128182	
4DHP2S12S-1L	DWM212S4-*L	12000	13	23	12100	8400	11.6	12000	12.8	23.5	12000	10	211034493	
4DHP2S12S-1P	DWM212S4-*P	12000	13.7	23.2	12000	9000	13.2	12000	13.7	24.6	12000	10.7	211034495	
4DHP2S12S-1L	DWM212S4-1L	12000	13	23	12000	8400	11.6	12000	13	23.5	12000	10	208127266	
4DHP2S12S-1P	DWM212S4-1P	12000	13.7	23.2	12000	9000	13.2	12000	13.7	24.6	12000	10.7	208106653	
4DHP2S18S-1P	DWM218S4-*P	18000	12.5	22.6	19000	14900	12	18000	12.4	23.5	19000	10.7	211034496	
4DHP2S18S-1P	DWM218S4-1P	18000	12.5	22.6	19000	14900	12	18000	12.4	23.5	19000	10.7	208106654	
4DHP2S24S-1P	DWM224S4-*P	24000	14	22	25000	16200	12	24000	14	22	25000	9.9	211034497	
4DHP2S24S-1P	DWM224S4-1P	24000	14	22	25000	16200	12	24000	14	22	25000	9.9	208106655	
4DHP2S30S-1P	DWM230S4-*P	29800	11.5	20	30000	19000	9.6	29600	11.4	20	30000	9.2	211034498	
4DHP2S30S-1P	DWM230S4-1P	29800	11.5	20	30000	19000	9.6	29600	11.4	20	30000	9.2	208106656	

¹ Bold Reference Numbers indicate Energy Star approval.

Ratings are AHRI certified to AHRI Standard 210/240;

- Cooling Ratings - 95°F wet bulb/75°F dry bulb outdoor air temperature and 80°F dry bulb/67°F wet bulb entering indoor coil air.
- High Temperature Heating Ratings - 47°F dry bulb/43°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air.
- Low Temperature Heating Ratings - 17°F dry bulb/15°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air.

To convert HSPF from Region IV to Region V - Divide by 1.15.

COOLING CAPACITY**09 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	9.85	6.51	10.46	6.87	11.00	7.19	11.67	7.59
-4	10.76	7.02	11.39	7.38	12.00	7.73	12.55	8.05
0	11.06	7.56	11.74	7.98	12.29	8.30	12.87	8.65
5	11.29	7.70	11.90	8.07	12.42	8.38	13.21	8.87
17	11.56	8.08	12.13	8.44	12.75	8.81	13.32	9.15
25	11.32	8.20	11.97	8.63	12.74	9.13	13.31	9.49
35	11.35	8.12	11.90	8.45	12.56	8.87	13.30	9.33
47	11.34	8.57	11.84	8.90	12.45	9.30	13.16	9.77
55	11.16	8.28	11.78	8.69	12.34	9.06	13.12	9.58
65	11.19	8.64	11.79	9.05	12.51	9.55	13.09	9.95
75	11.31	8.64	11.89	9.04	12.50	9.46	13.06	9.82
85	10.77	8.71	11.35	9.13	11.86	9.48	12.61	10.04
95	10.37	8.49	10.84	8.84	11.50	9.31	12.22	9.85
105	10.05	8.29	10.57	8.67	11.10	9.06	11.73	9.53
115	9.12	8.51	9.65	8.95	10.23	9.44	10.66	9.78
122	8.56	8.54	9.06	9.00	9.54	9.45	9.99	9.85

HEATING CAPACITY**09 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	5.78	5.60	5.45	5.25
-4	7.77	7.53	7.33	7.06
0	8.38	8.15	7.92	7.58
5	9.13	8.84	8.62	8.32
10	10.16	9.82	9.55	9.20
17	11.09	10.76	10.50	10.13
20	11.36	11.06	10.77	10.35
25	11.61	11.31	11.04	10.57
32	12.01	11.69	11.31	10.83
35	12.25	11.94	11.56	11.14
40	12.68	12.25	11.89	11.37
47	13.03	12.69	12.29	11.78
50	13.40	13.00	12.67	12.10
57	13.82	13.49	13.03	12.52

COOLING CAPACITY**12 (115V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	10.59	6.80	11.24	7.19	11.73	7.46	12.26	7.75
-4	10.52	7.17	11.19	7.58	11.88	8.00	12.64	8.47
0	10.82	7.23	11.39	7.56	12.05	7.95	12.77	8.38
5	11.30	7.92	11.85	8.25	12.37	8.56	12.90	8.87
17	11.23	8.14	11.84	8.54	12.36	8.87	13.03	9.30
25	11.01	7.77	11.72	8.22	12.35	8.62	13.12	9.11
35	11.28	8.18	11.81	8.52	12.53	8.98	13.23	9.43
47	11.87	8.87	12.46	9.26	13.17	9.74	13.77	10.14
55	11.37	8.56	12.07	9.05	12.73	9.50	13.53	10.04
65	11.65	8.77	12.18	9.12	12.73	9.49	13.29	9.85
75	11.16	8.83	11.86	9.34	12.48	9.77	13.04	10.16
85	11.10	8.98	11.61	9.34	12.13	9.70	12.66	10.07
95	10.56	8.70	11.24	9.20	11.80	9.62	12.50	10.13
105	10.30	8.68	10.82	9.05	11.36	9.46	12.01	9.94
115	9.52	8.99	10.00	9.38	10.42	9.72	10.86	10.06
122	8.63	8.58	9.13	9.04	9.59	9.46	10.10	9.91

HEATING CAPACITY**12 (115V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	5.66	5.51	5.36	5.15
-4	6.11	5.96	5.79	5.59
0	6.84	6.67	6.50	6.24
5	7.52	7.29	7.09	6.85
10	8.57	8.35	8.12	7.82
17	9.89	9.56	9.25	8.88
20	10.62	10.33	10.00	9.65
25	11.37	11.04	10.72	10.28
32	12.17	11.82	11.48	10.97
35	13.00	12.65	12.24	11.80
40	13.68	13.28	12.87	12.39
47	14.43	14.00	13.63	13.11
50	14.60	14.19	13.81	13.19
57	14.85	14.46	14.01	13.38

COOLING CAPACITY**12 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	10.40	6.45	11.03	6.80	11.62	7.13	12.27	7.48
-4	11.11	7.32	11.61	7.60	12.30	8.02	13.05	8.47
0	11.56	7.62	12.11	7.92	12.77	8.32	13.30	8.62
5	11.64	7.92	12.34	8.35	13.04	8.78	13.60	9.10
17	11.43	7.97	12.13	8.40	12.89	8.89	13.52	9.28
25	11.73	8.38	12.40	8.82	12.93	9.15	13.47	9.48
35	11.60	8.62	12.25	9.06	12.88	9.47	13.41	9.82
47	11.55	8.76	12.07	9.11	12.79	9.60	13.41	10.01
55	11.40	8.67	12.05	9.11	12.68	9.55	13.40	10.04
65	11.66	9.26	12.20	9.62	12.79	10.04	13.40	10.46
75	11.39	8.83	12.01	9.26	12.67	9.72	13.40	10.23
85	11.33	9.13	11.96	9.58	12.63	10.07	13.39	10.62
95	11.48	9.18	12.11	9.64	12.75	10.08	13.39	10.54
105	11.05	9.45	11.65	9.90	12.20	10.30	12.81	10.77
115	10.24	9.71	10.69	10.07	11.18	10.47	11.72	10.92
122	9.29	9.30	9.72	9.69	10.23	10.16	10.80	10.67

HEATING CAPACITY**12 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	6.13	5.95	5.80	5.58
-4	7.95	7.76	7.50	7.17
0	8.73	8.45	8.24	7.90
5	9.40	9.16	8.87	8.47
10	10.45	10.16	9.82	9.38
17	11.36	10.97	10.61	10.21
20	11.68	11.30	11.01	10.54
25	12.05	11.76	11.39	10.97
32	12.40	12.04	11.75	11.30
35	12.83	12.48	12.11	11.56
40	13.50	13.17	12.73	12.26
47	14.07	13.73	13.29	12.82
50	14.48	14.09	13.65	13.13
57	15.02	14.57	14.09	13.48

COOLING CAPACITY 18 (208/230V)

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	16.24	10.57	16.97	11.00	18.04	11.61	18.97	12.14
-4	16.01	10.88	17.01	11.50	17.89	12.02	19.01	12.72
0	16.48	11.21	17.24	11.66	18.16	12.21	19.10	12.78
5	16.36	11.12	17.24	11.65	18.22	12.25	19.20	12.83
17	16.84	11.70	17.78	12.28	18.86	12.96	19.79	13.53
25	17.21	12.48	18.12	13.07	18.89	13.56	19.84	14.17
35	16.89	12.59	17.97	13.33	18.71	13.81	19.91	14.61
47	17.53	12.88	18.26	13.35	19.18	13.95	20.12	14.55
55	17.82	13.69	18.72	14.31	19.60	14.90	20.59	15.56
65	18.27	14.10	19.27	14.78	20.14	15.34	21.02	15.91
75	18.52	14.86	19.50	15.56	20.48	16.24	21.45	16.92
85	17.53	13.63	18.65	14.41	19.63	15.10	20.64	15.79
95	16.66	13.41	17.50	14.00	18.62	14.81	19.56	15.45
105	16.07	13.70	16.86	14.29	17.64	14.87	18.72	15.69
115	14.38	13.72	15.20	14.42	15.92	15.03	16.94	15.89
122	13.05	13.00	13.77	13.65	14.58	14.41	15.43	15.17

HEATING CAPACITY 18 (208/230V)

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	8.46	8.25	8.01	7.69
-4	10.03	9.69	9.39	9.04
0	11.39	11.05	10.72	10.26
5	12.91	12.55	12.18	11.71
10	14.69	14.22	13.87	13.28
17	16.97	16.40	15.93	15.26
20	18.15	17.71	17.19	16.45
25	19.61	19.00	18.50	17.80
32	21.03	20.42	19.78	19.03
35	22.27	21.60	21.01	20.15
40	22.26	21.66	21.11	20.18
47	22.44	21.81	21.19	20.24
50	23.14	22.56	21.81	20.88
57	23.72	23.05	22.46	21.52

COOLING CAPACITY**24 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	23.54	14.99	24.65	15.61	26.06	16.40	27.29	17.08
-4	23.86	16.20	24.93	16.84	26.33	17.67	27.89	18.63
0	23.77	15.73	25.21	16.60	26.34	17.24	27.93	18.19
5	24.35	17.30	25.36	17.94	26.84	18.89	27.99	19.59
17	24.41	17.29	25.42	17.92	26.85	18.82	28.02	19.56
25	24.27	17.10	25.31	17.73	26.87	18.71	28.05	19.41
35	24.28	17.26	25.64	18.14	26.82	18.89	28.08	19.68
47	23.64	17.51	25.12	18.51	26.53	19.45	28.10	20.49
55	24.25	18.48	25.80	19.57	26.99	20.36	28.11	21.11
65	23.91	18.81	25.38	19.84	26.85	20.87	28.12	21.74
75	23.81	18.19	25.25	19.17	26.69	20.17	28.13	21.15
85	24.16	19.04	25.43	19.92	26.86	20.93	28.27	21.91
95	24.60	20.06	25.82	20.93	27.06	21.81	28.40	22.75
105	23.65	19.82	24.97	20.80	26.20	21.70	27.46	22.60
115	20.92	19.38	22.11	20.38	23.45	21.50	24.87	22.66
122	19.81	19.75	21.06	20.91	21.93	21.69	22.92	22.55

HEATING CAPACITY**24 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	12.17	11.88	11.54	11.08
-4	13.43	12.99	12.55	12.04
0	15.75	15.33	14.92	14.31
5	18.81	18.28	17.66	16.90
10	19.90	19.31	18.83	18.04
17	21.51	20.85	20.16	19.31
20	21.72	21.03	20.41	19.64
25	21.95	21.37	20.67	19.90
32	22.11	21.57	20.92	20.15
35	22.50	21.78	21.23	20.46
40	25.97	25.09	24.41	23.46
47	28.78	28.05	27.18	26.09
50	29.98	28.99	28.04	26.86
57	30.65	29.76	28.81	27.60

COOLING CAPACITY**30 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	24.05	15.48	25.50	16.33	26.68	16.99	27.91	17.66
-4	25.18	17.11	26.57	17.96	28.02	18.83	29.37	19.62
0	26.14	17.48	27.52	18.32	28.76	19.04	30.02	19.78
5	25.88	17.65	27.18	18.43	28.82	19.43	30.60	20.53
17	26.51	18.41	27.68	19.14	29.35	20.20	31.22	21.39
25	26.72	19.11	28.33	20.16	29.76	21.06	31.53	22.20
35	27.31	19.66	28.57	20.46	30.10	21.44	31.82	22.53
47	26.24	19.12	27.91	20.22	29.66	21.37	31.22	22.36
55	27.01	20.32	28.43	21.27	29.65	22.06	31.14	23.05
65	26.63	21.10	28.33	22.31	29.70	23.26	31.07	24.20
75	27.33	21.73	28.47	22.49	29.71	23.36	30.99	24.23
85	26.23	20.91	27.76	22.01	29.28	23.10	30.79	24.14
95	26.27	21.43	27.71	22.48	29.32	23.64	30.67	24.60
105	25.53	21.74	27.05	22.88	28.38	23.87	29.65	24.79
115	23.50	22.32	24.61	23.27	25.80	24.25	27.44	25.63
122	22.23	22.15	23.21	23.02	24.51	24.23	25.85	25.46

HEATING CAPACITY**30 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	12.91	12.58	12.23	11.80
-4	14.17	13.70	13.29	12.77
0	16.22	15.77	15.39	14.70
5	18.37	17.80	17.25	16.51
10	19.06	18.47	17.97	17.16
17	19.75	19.12	18.56	17.80
20	20.98	20.47	19.79	19.10
25	22.32	21.69	21.14	20.25
32	23.73	23.02	22.37	21.54
35	25.18	24.52	23.69	22.84
40	30.67	29.77	29.02	27.98
47	37.13	35.91	34.80	33.26
50	37.93	36.65	35.75	34.22
57	38.53	37.59	36.54	35.18

COOLING CAPACITY**36 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	31.05	19.68	32.82	20.69	34.73	21.76	36.37	22.66
-4	31.67	20.72	33.13	21.53	34.58	22.37	36.79	23.66
0	31.61	21.76	33.63	23.04	35.03	23.86	36.91	24.99
5	30.88	21.79	32.75	23.00	34.84	24.33	37.02	25.73
17	32.00	22.24	33.37	23.07	35.23	24.23	37.32	25.53
25	32.68	23.61	34.26	24.64	35.91	25.70	37.68	26.79
35	32.32	23.91	34.35	25.28	36.50	26.73	38.06	27.71
47	33.32	25.23	34.93	26.33	37.16	27.87	38.75	28.91
55	33.81	25.48	35.85	26.90	37.74	28.18	39.56	29.39
65	35.40	26.64	37.07	27.74	38.69	28.83	40.43	29.96
75	35.82	28.10	37.58	29.32	39.19	30.40	41.25	31.85
85	34.80	28.04	36.59	29.30	38.47	30.64	40.58	32.14
95	32.83	26.57	34.63	27.86	36.60	29.26	38.86	30.89
105	31.34	26.85	33.13	28.25	34.77	29.50	36.99	31.18
115	29.14	27.32	30.61	28.57	32.12	29.84	33.81	31.24
122	27.45	27.35	28.71	28.50	30.22	29.89	31.98	31.50

HEATING CAPACITY**36 (208/230V)**

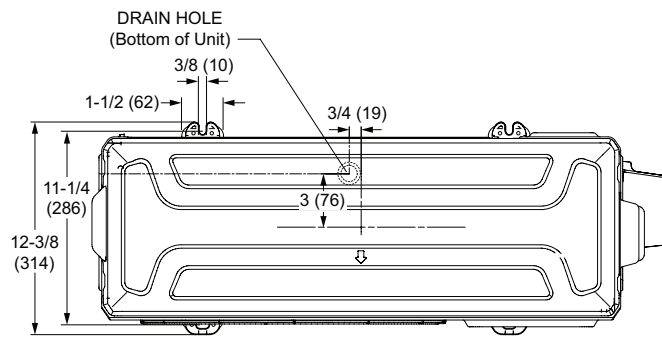
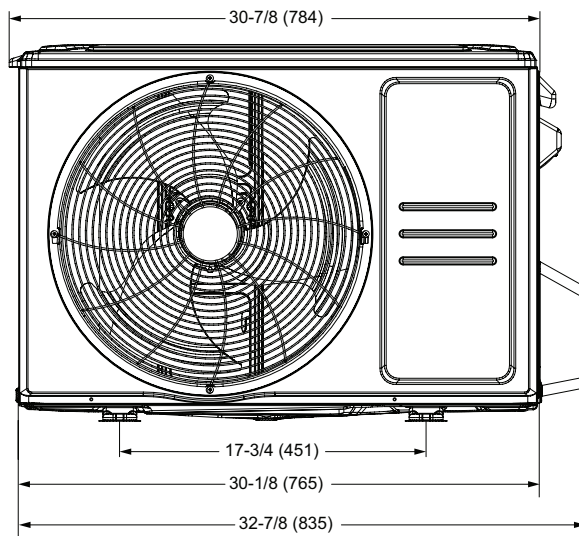
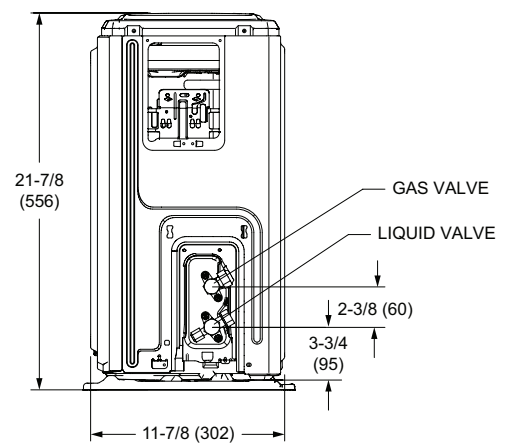
Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	16.09	15.63	15.24	14.67
-4	17.64	17.21	16.66	15.97
0	19.81	19.24	18.73	17.94
5	21.65	21.04	20.43	19.69
10	22.19	21.59	20.96	20.16
17	22.67	22.01	21.48	20.51
20	24.17	23.53	22.87	22.05
25	25.86	24.99	24.26	23.41
32	27.07	26.36	25.59	24.54
35	28.44	27.75	26.89	25.68
40	34.58	33.47	32.40	30.98
47	39.30	38.16	37.01	35.35
50	39.67	38.63	37.61	36.26
57	40.52	39.15	38.12	36.79

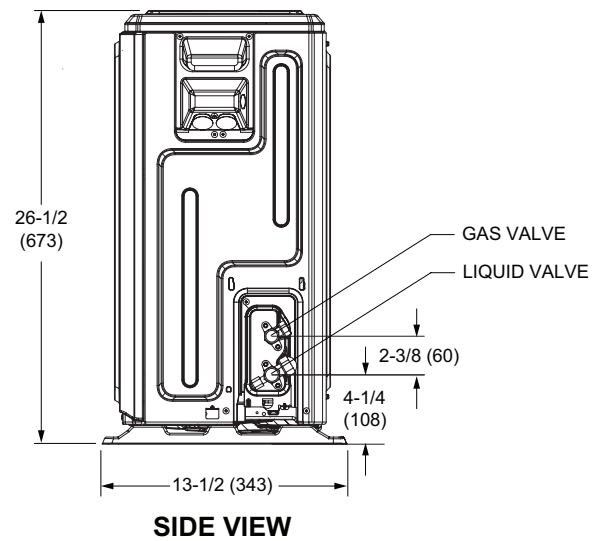
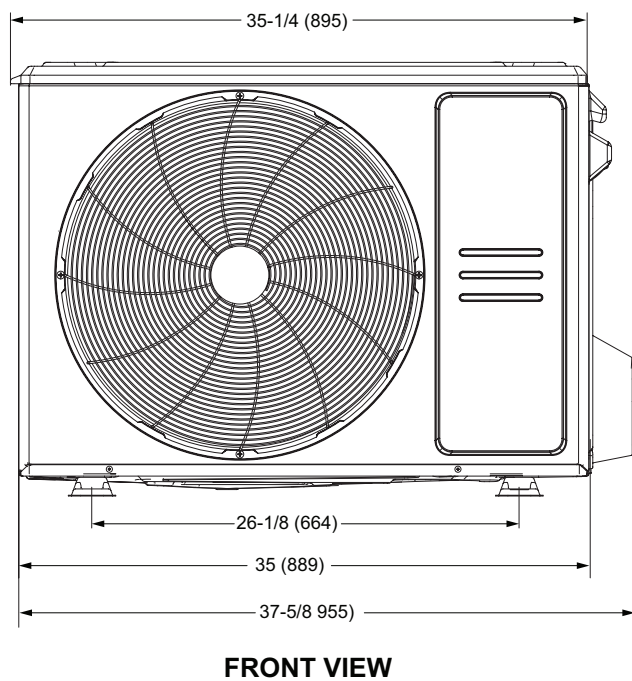
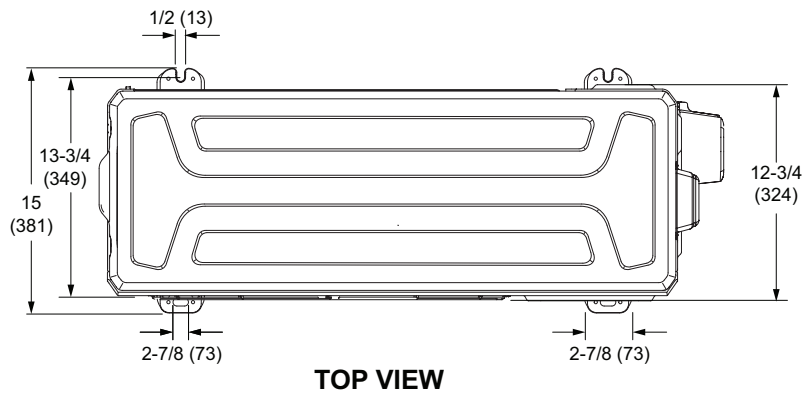
COOLING CAPACITY**48 (208/230V)**

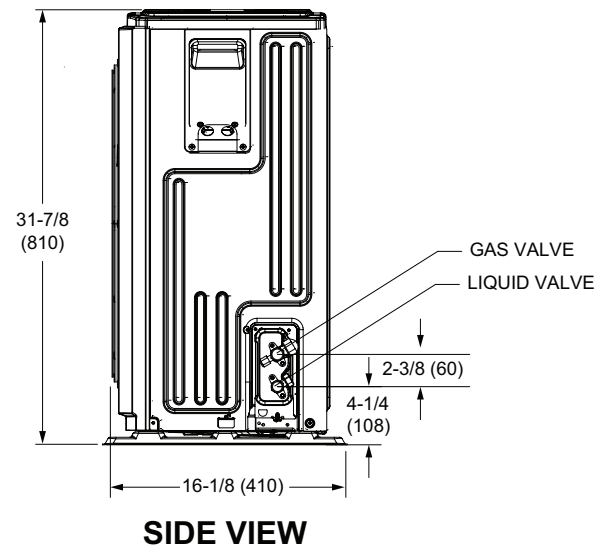
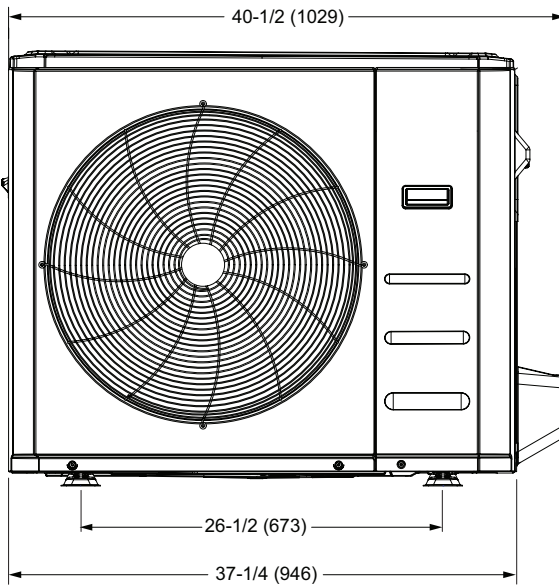
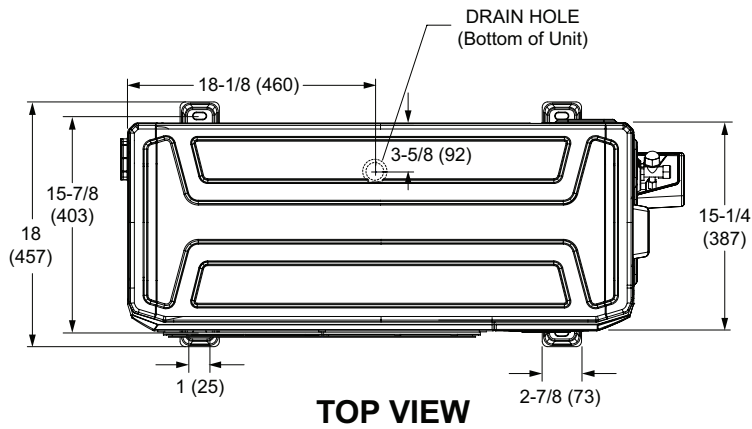
Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
-13	36.34	22.93	38.29	24.02	40.56	25.30	42.56	26.39
-4	38.93	25.90	41.11	27.20	43.18	28.40	45.94	30.04
0	41.46	28.60	43.97	30.15	45.99	31.36	48.36	32.79
5	43.21	30.20	45.82	31.84	48.64	33.64	51.04	35.07
17	46.23	33.23	49.07	35.06	51.12	36.30	53.25	37.59
25	47.16	34.36	49.80	36.09	51.87	37.38	55.07	39.48
35	48.41	35.24	50.91	36.85	53.64	38.62	56.58	40.51
47	49.29	37.40	51.77	39.03	54.96	41.21	57.61	42.98
55	49.36	37.60	52.07	39.49	54.35	40.96	57.76	43.32
65	49.44	38.62	52.10	40.49	55.43	42.87	57.92	44.54
75	49.21	38.99	52.30	41.19	54.76	42.86	58.07	45.18
85	45.84	35.51	47.75	36.79	50.43	38.61	53.02	40.40
95	42.06	33.73	43.85	34.97	45.97	36.43	48.75	38.46
105	36.70	31.09	38.59	32.52	40.88	34.29	43.49	36.27
115	27.32	25.39	28.49	26.31	30.11	27.68	31.70	29.00
122	22.63	22.65	23.87	23.78	25.32	25.12	26.43	26.11

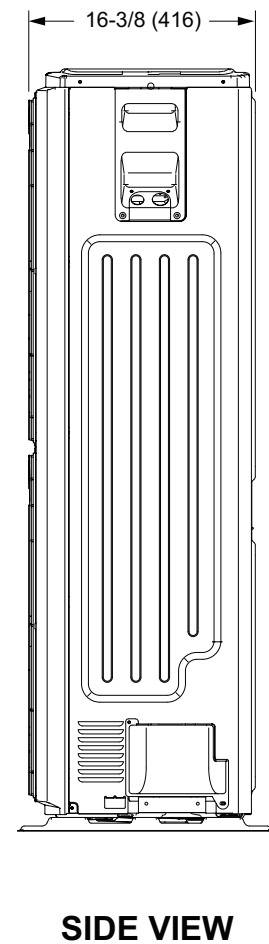
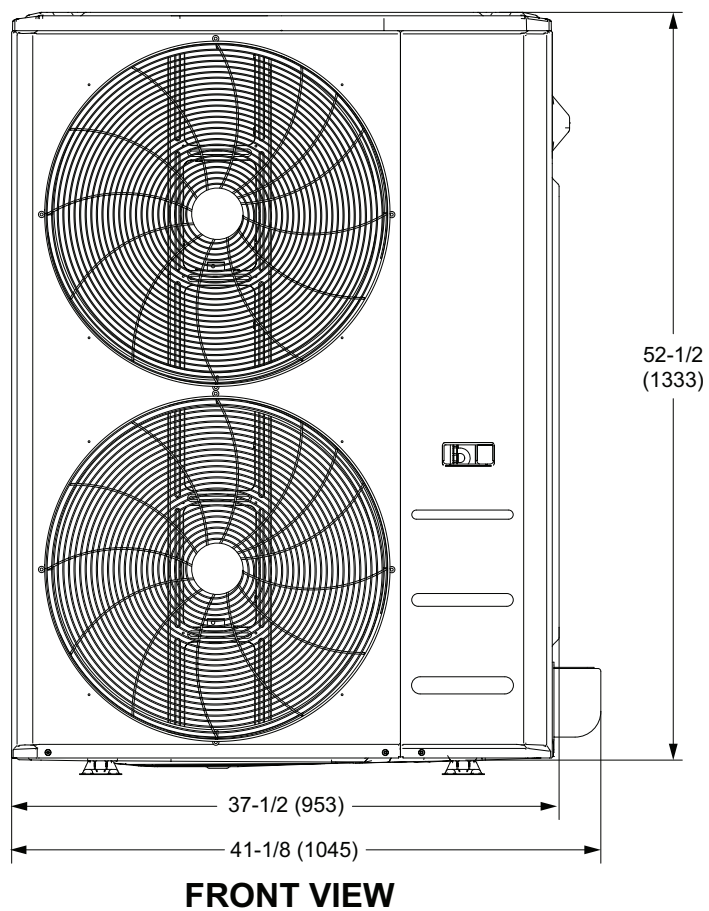
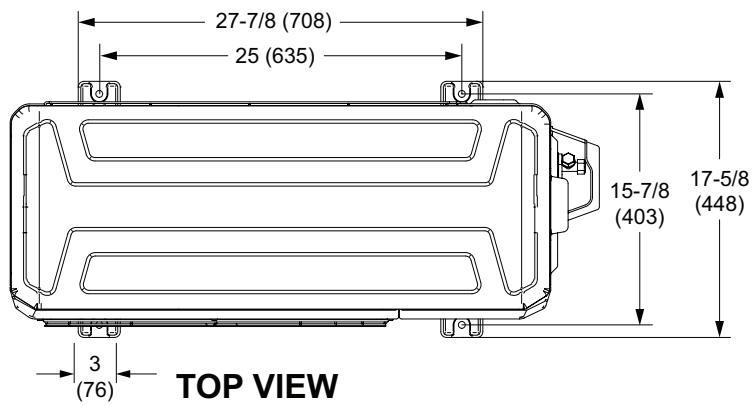
HEATING CAPACITY**48 (208/230V)**

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
-13	29.04	28.31	27.35	26.28
-4	33.00	32.10	31.29	29.97
0	34.64	33.51	32.62	31.19
5	36.19	35.03	34.01	32.76
10	38.94	37.96	36.74	35.13
17	41.56	40.35	39.36	37.75
20	44.16	42.91	41.66	39.79
25	46.38	45.16	43.81	42.14
32	48.96	47.53	46.15	44.35
35	51.38	49.88	48.38	46.59
40	53.55	52.19	50.82	49.04
47	56.85	55.14	53.74	51.65
50	57.79	56.00	54.21	51.99
57	58.30	56.43	54.69	52.28

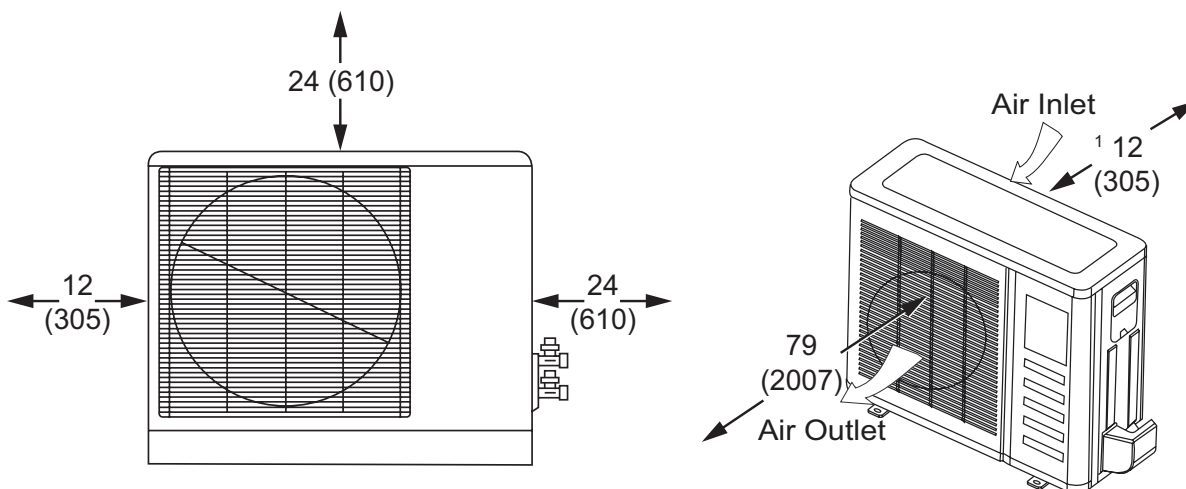
DIMENSIONS**4DHP2S09S | 4DHP2S12S****TOP VIEW****FRONT VIEW****SIDE VIEW**

DIMENSIONS**4DHP2S18S**

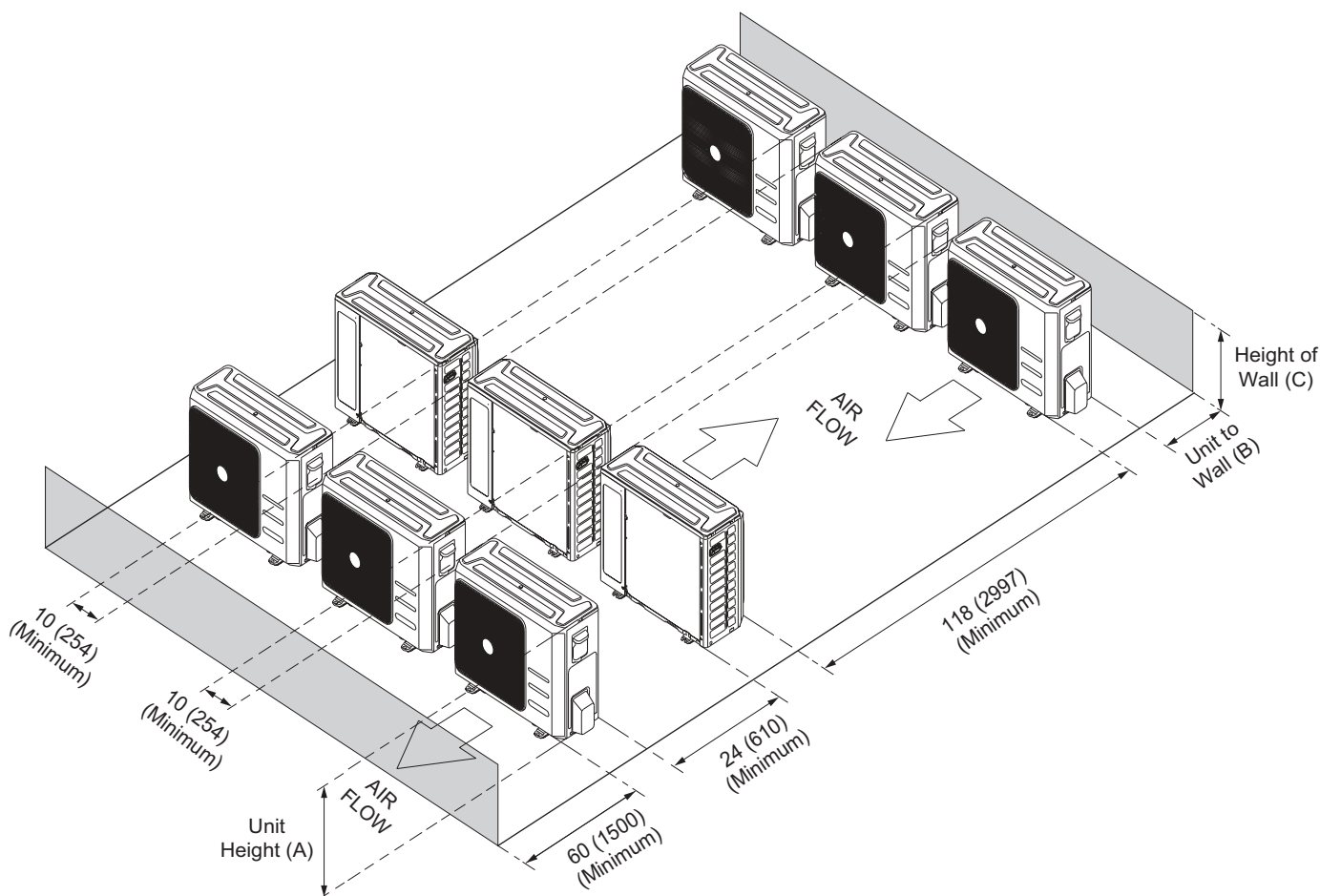
DIMENSIONS**4DHP2S24S | 4DHP2S30S | 4DHP2S36S**

DIMENSIONS**4DHP2S48S**

INSTALLATION CLEARANCES



¹ Minimum rear clearance can be 6 inches (152 mm) when mounted on brackets and with no obstructions on the other three sides.



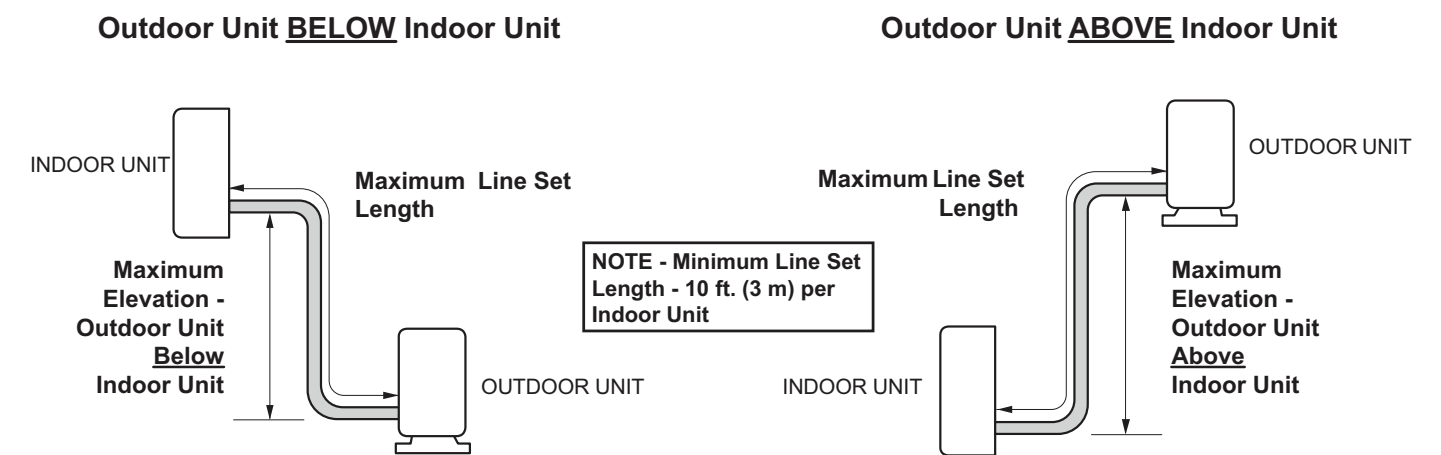
CLEARANCE NOTES FOR MULTIPLE UNITS:

If the height of the wall (C) is less than or equal to the height of the smallest unit (A), the distance from the unit to the wall (B) must be a minimum of 10 inches (254 mm).

If 1/2 the height of the unit (A) is less than the height of the wall (C), the distance from the unit to the wall (B) must be a minimum of 12 inches (305 mm).

If the height of the wall (C) is greater than the height of the unit (A), the distance from the unit to the wall (B) must be a minimum of 20 inches (508 mm).

LINE SET AND ELEVATION GUIDELINES



Size	Line Set Diameters (in.)		Maximum Elevation - Outdoor Unit <u>Below</u> Indoor Unit ft. (m)	Maximum Elevation - Outdoor Unit <u>Above</u> Indoor Unit ft. (m)	Maximum Line Set Length ft. (m)
	Liquid	Gas			
09	1/4	3/8	66 ft. (20 m)	66 ft. (20 m)	98 ft. (30 m)
12	1/4	1/2	66 ft. (20 m)	66 ft. (20 m)	98 ft. (30 m)
18	1/4	1/2	66 ft. (20 m)	66 ft. (20 m)	98 ft. (30 m)
24, 30	3/8	5/8	82 ft. (25 m)	82 ft. (25 m)	164 ft. (50 m)
36, 48	3/8	5/8	98 ft. (30 m)	98 ft. (30 m)	213 ft. (65 m)



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