

4DHP MULTI-ZONE PRODUCT SPECIFICATIONS

UP TO 23 SEER
UP TO 5 ZONES DUCTLESS HEAT PUMP SYSTEMS

FORM NO. 4DHPMULTI-100 (03/2017)

OUTDOOR UNITS



3 TON & UNDER

4 TON

4DHP MULTI-ZONE

- 18K / 30K / 36K / 48K
- Mid Efficiency (15-23 SEER)
- Matches with all indoor units
- Variable Capacity Rotary Compressor
- DC Inverter Control
- Electronic Expansion Valve (EEV)
- Operates down to -13 F
- Up to 5 Zones

INDOOR UNITS



DWM WALL MOUNTED

- 9K / 12K / 18K / 24K
- Pre-Heat Function
- LED Readout



CEILING CASSETTE

- 9K / 12K / 18K / 24K
- Pre-Heat Function
- Built-In Condensate Pump
- Grille Sold Separately



DUCTED UNIT

- 9K / 12K / 18K / 24K
- Medium Static Slim Ducts
- Built-In Condensate Pump

FEATURES AND BENEFITS

OUTDOOR UNITS

- Equipment Warranty: 5 year parts, 7 year compressor
- SEER up to 23.00
- HSPF up to 10
- R410A Refrigerant
- Outdoor Coil: Aluminum fins fitted to copper tubes
- Refrigerant Line Connections, Service Valve
- Variable Frequency Rotary Compressor
- Compressor Crankcase Heater
- DC Inverter Control
- Inverter Module Protection
- Outdoor Unit Microprocessor
- Electronic Expansion Valve
- Compressor Overcurrent Protection
- Condenser High Temperature Protection
- Voltage Protection
- Terminal Strip
- Defrost Control
- Reversing Valve
- Cabinet: Constructed of heavy gauge steel

INDOOR UNITS - DUCTED UNITS

- Pre-Heat Function
- LED Readout Panel
- Auto Restart
- Cooling Override
- Built-In Condensate Pump
- Duct Connections
- Flare Connections
- Three Speed Fan
- Air Filter

INDOOR UNITS - WALL-MOUNTED

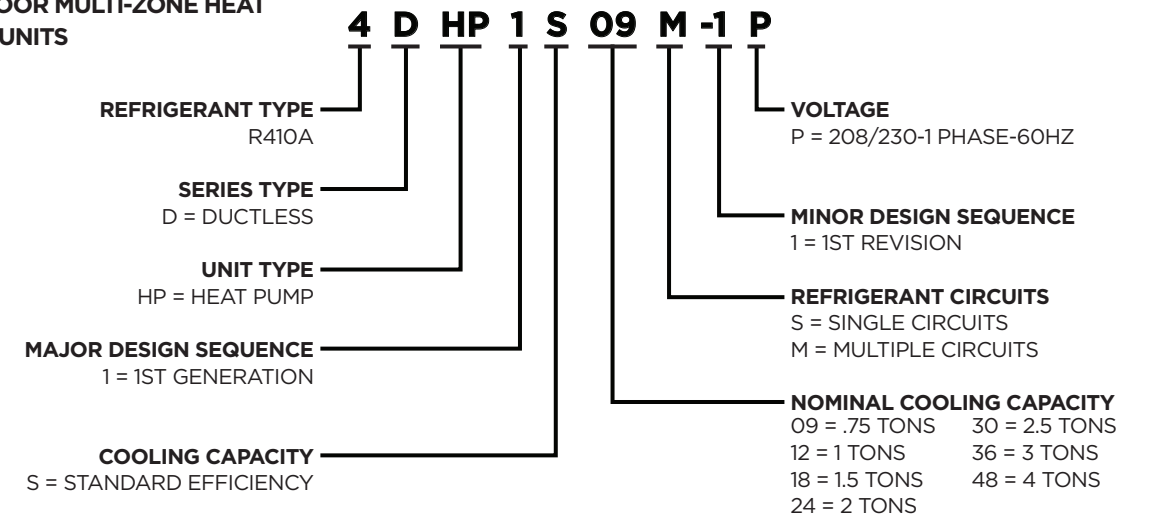
- Pre-Heat Function
- LED Readout
- Auto Restart
- Cooling Override
- Flare Connections
- Multi-Refrigerant Outlet
- Three Speed Fan

INDOOR UNITS - CASSETTE UNITS

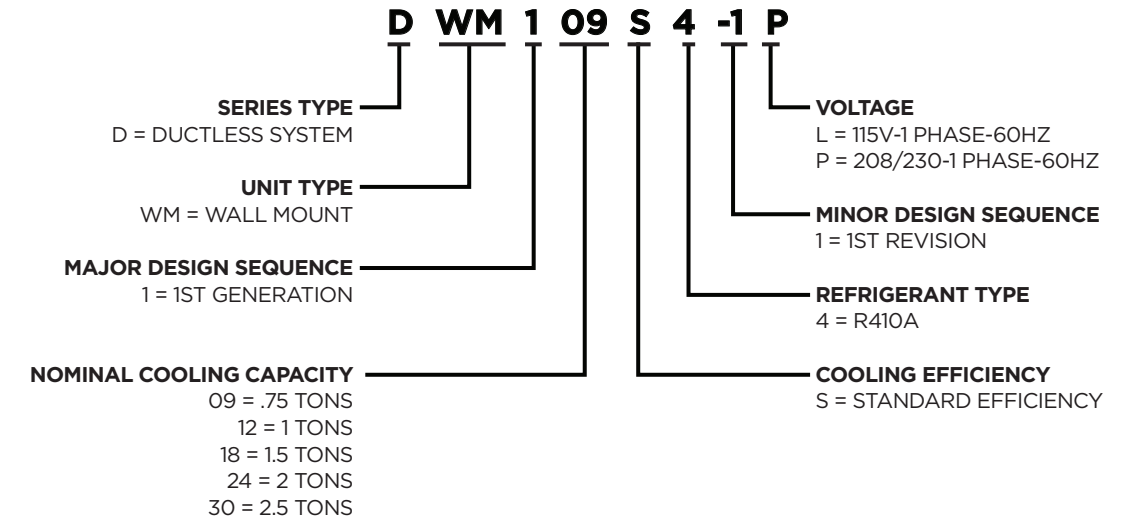
- 360° Airflow Panel
- Pre-Heat Function
- LED Readout/Infrared Receiver Panel
- Auto Restart
- Cooling Override
- Built-In Condensate Pump
- Compact Design
- Flare Connections
- Four Speed Fan
- Turbo Fan with Backward Curved Blades
- Air Filter
- The cassette panel must be ordered separately. See Specifications table for ordering information.

MODEL NUMBER GUIDE

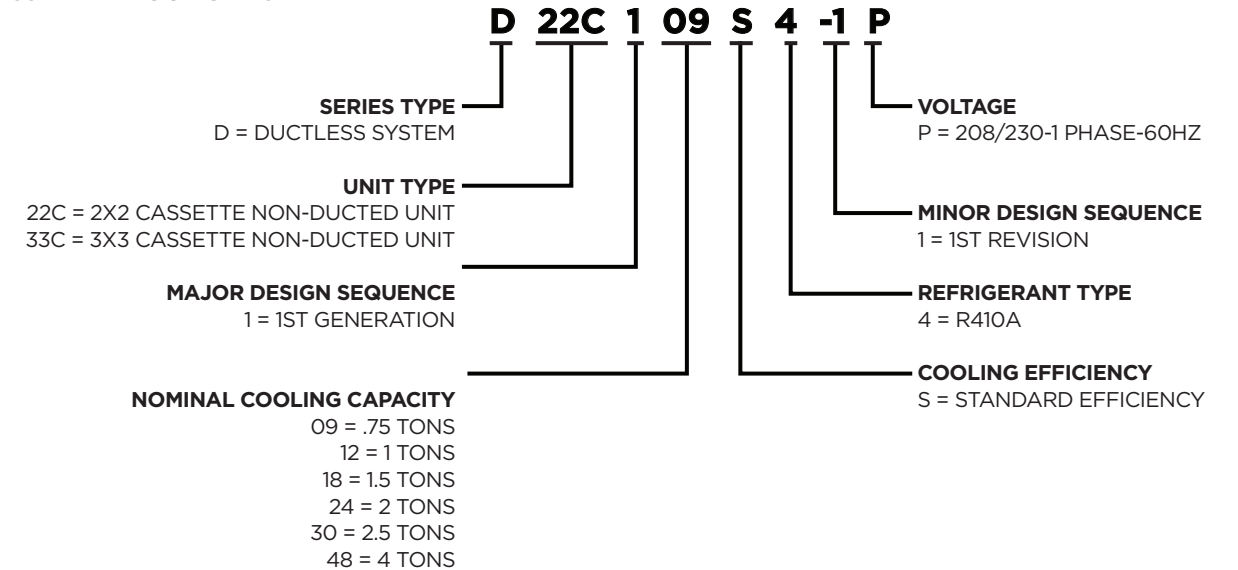
OUTDOOR MULTI-ZONE HEAT PUMP UNITS



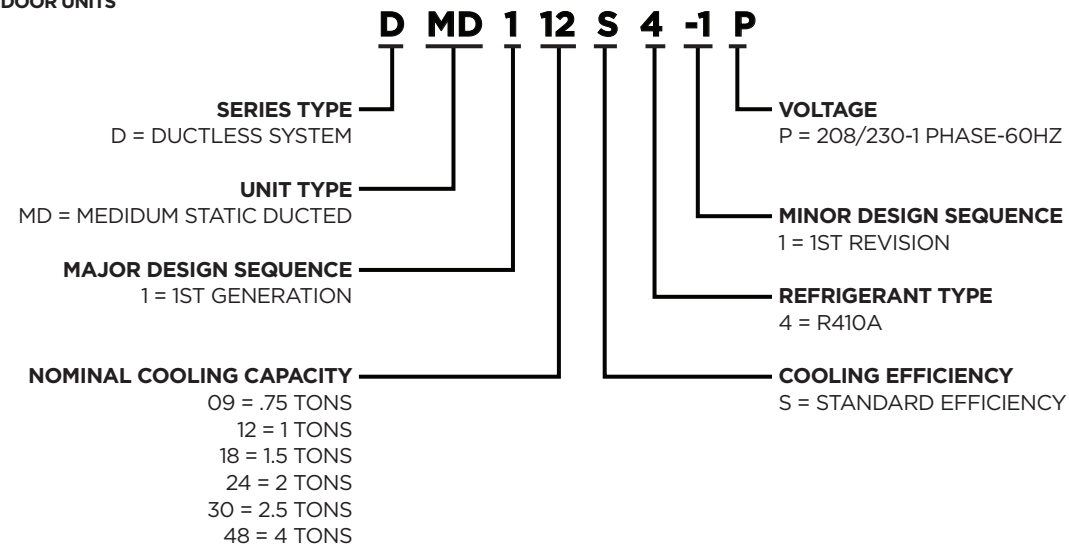
WALL-MOUNTED INDOOR UNITS



CASSETTE INDOOR UNITS



DUCTED INDOOR UNITS



SPECIFICATIONS - OUTDOOR UNITS

MODEL NUMBER	4DHP1S18M-1P		4DHP1S30M-1P		4DHP1S36M-1P		4DHP1S48M-1P		
NOMINAL SIZE- TONS	1.5		2.5		3		4		
NUMBER OF ZONES	2		UP TO 3		UP TO 4		UP TO 5		
AHRI RATINGS	System Type	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted
	Cooling - Btuh	18,000	18,000	27,000	28,000	36,000	36,000	48,000	48,000
	Heating (47F) - Btuh	18,500	19,000	27,000	28,000	36,000	36,000	50,000	48,000
	Heating (17F) - Btuh	11,400	12,000	16,200	17,200	22,800	23,000	33,000	29,600
	Max Heating (5F) - Btuh	14,400	13,900	21,000	21,900	28,400	28,000	36,800	34,900
	SEER	18.4	22.5	18.5	23	18	22.5	18	22.4
	EER	11.8	12.5	11.0	12.5	10.0	11.5	10	12.5
	HSPF (Region IV)	9.4	10.3	9.0	10.3	9.7	10.2	10	10.2
	HSPF (Region V)	9.5	8.8	7.6	8.5	8.3	8.7	8.8	8.3
	AHRI Reference Number	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
AMBIENT TEMP. RANGE	Cooling	-13 - 122		-13 - 122		5 - 122		5 - 122	
	Heating	-13 - 86		-13 - 86		-13 - 76		-13 - 76	
SOUND DATA	dB(A)	62.4	63.4	62	58				
REFRIGERANT	Charge furnished (R-410A)	70.5 oz.		98.8 oz.		105.8 oz.		162.3 oz.	
	Maximum line length with furnished charge (per zone) - ft.	25'		25'		25'		25'	
	Additional charge required per ft. - oz.	0.161		0.161		0.161		0.161	
COMPRESSOR	Type	Rotary		Rotary		Rotary		Twin-Rotary	
	Refrigerant oil type	ESTER OIL VG74		ESTER OIL VG74		ESTER OIL VG74		ESTER OIL VG74	
	Refrigerant oil charge - oz.	16.9		22.6		33.8		47.3	
CONNECTIONS - IN.	Liquid+Gas pipe (flare)	(2) 1/4" + (2) 3/8"		(3) 1/4" + (3) 3/8"		(4) 1/4" + (3) 3/8" + (1) 1/2"		(5) 1/4" + (3) 3/8" + (2) 1/2"	
	Max. Length for all rooms - ft.	131'		197'		262'		262'	
	Max. length for one indoor unit - ft.	82'		98'		115'		115'	
MAX. HEIGHT DIFFERENCE BETWEEN INDOOR AND OUTDOOR	Outdoor above indoor - ft.	33'		33'		33'		33'	
	Outdoor below indoor - ft.	49'		49'		49'		49'	
	Max. difference in level between indoor units	33'		33'		33'		33'	
OUTDOOR FAN	(No.) Diameter - in.	(1) - 18"		(1) - 22		(1) - 22		(2) - 20	
	Total air volume - cfm	1390		2130		2,130		(2) 4500	
	rpm	750		850		950		(2) 800	
OUTDOOR COIL	Number of rows	2		1.6		3		2	
	Fins per inch	14		15		15		15	
	Fin type	Hydrophilic Aluminum				Hydrophilic Aluminum			
	Tube outside diameter - in.	3/8"		3/8"		5/16"		5/16"	
	Tube Type	Rifled Copper Tubing				Rifled Copper Tubing			
Net face area - sq. ft.	4.9		6.42		6.42		14		
DESIGN PRESSURE	PSIG	550/340		550/340		550/340		550/340	
SHIPPING DATA	Net/Shipping Weight (lbs.)	106 / 115		150 / 161		157 / 168		224 / 255	
ELECTRICAL DATA									
ELECTRICAL CHARACTERISTICS - 60 HZ - 1 PHASE		208/230V		208/230V		208/230V		208/230V	
	Maximum Overcurrent Protection (amps)	25		35		45		50	
	Minimum Circuit Ampacity	18		25		30		35	
	Compressor rated Load Amps	10		20		22		21	
OUTDOOR FAN MOTOR	Rated Load Amps	0.74		0.9		1.3		(2) 0.39	
	Input - W	115		150		120		126	

SPECIFICATIONS - WALL MOUNTED INDOOR UNITS

MODEL NUMBER		DWM109S4-1P	DWM112S4-1P	DWM118S4-1P	DWM124S4-1P
NOMINAL SIZE- TONS		0.75	1	1.5	2
ELECTRICAL CHARACTERISTICS	60 HZ - 1 PHASE	208/230V			
	RATED LOAD AMPS	0.06	0.06	0.13	0.3
	INPUT (W)	50	50	58(Output)	60(Output)
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	370/268/196	371/274/198	530/410/295	695/624/485
SOUND DATA (DBA)	HIGH/MED/LOW	41.7/33.4/26.5	45.1/--/28.6	46.2/--/30.9	51.7/--/35.1
CONNECTIONS (IN.)	LIQUID/GAS - O.D. - FLARE	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
	DRAIN - O.D.		1"		
WEIGHT (LBS.)	NET/ PACKAGING	19.8/25.4		26.9/34.8	39.9/53.6

SPECIFICATIONS - CASSETTE INDOOR UNITS

MODEL NUMBER		D22C109S4-1P	D22C112S4-1P	D22C118S4-1P	D33C124S4-1P
NOMINAL SIZE- TONS		0.75	1	1.5	2
ELECTRICAL CHARACTERISTICS	60 HZ - 1 PHASE	208/230V			
	RATED LOAD AMPS	0.9	1	1.5	2
	INPUT (W)	45	45	45	58
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	374/301/257	379/309/261	560/483/415	700/636/573
SOUND DATA (DBA)	HIGH/MED/LOW	41/37/33	43/39/36	44/39/36	51/47/43
CONNECTIONS (IN.)	LIQUID/GAS - O.D. - FLARE	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
	DRAIN - O.D.		1"		1 - 1/4"
WEIGHT (LBS.)	NET/ SHIPPING	32 / 38	36 / 41	36 / 42	46 / 54
ACCESSORY INFORMATION					
CASSETTE PANEL	CATALOG #	1.861			1.861
	NET/ SHIPPING WEIGHT (LBS.)	6 / 10			12 / 18

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

MODEL NUMBER		DMD109S4-1P	DMD112S4-1P	DMD118S4-1P	DMD124S4-1P
NOMINAL SIZE- TONS		0.75	1	1.5	2
ELECTRICAL CHARACTERISTICS	60 HZ - 1 PHASE	208/230V			
	RATED LOAD AMPS	0.9	1	1.5	2
	INPUT (W)	100	100	96	96
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	335/290/240	370/320/260	520/430/360	820/620/520
SOUND DATA (DBA)	HIGH/MED/LOW	38/35/31	44/37/31	41/39/37	53/48/43
CONNECTIONS (IN.)	LIQUID/GAS - O.D. - FLARE	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
	DRAIN - O.D.	1"			
WEIGHT (LBS.)	NET/ SHIPPING	40 / 51	42 / 52	51 / 61	58 / 69

CONNECTIONS AND LINE SET USAGE

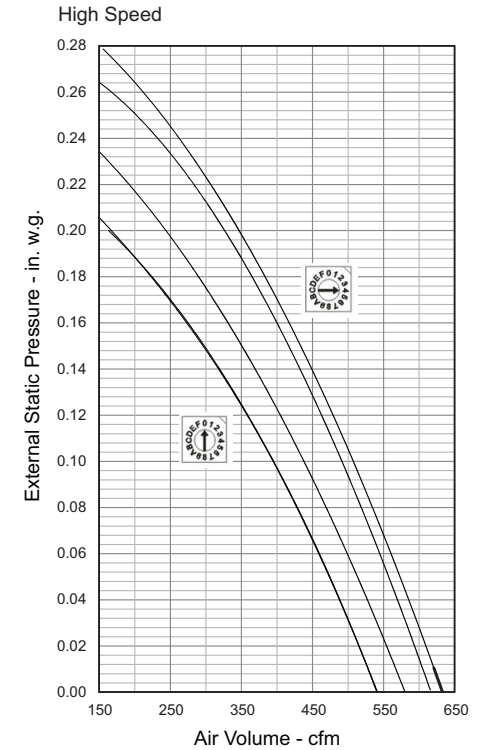
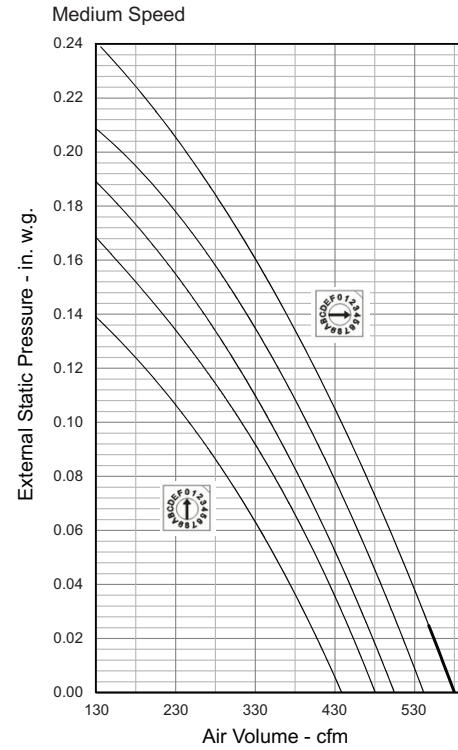
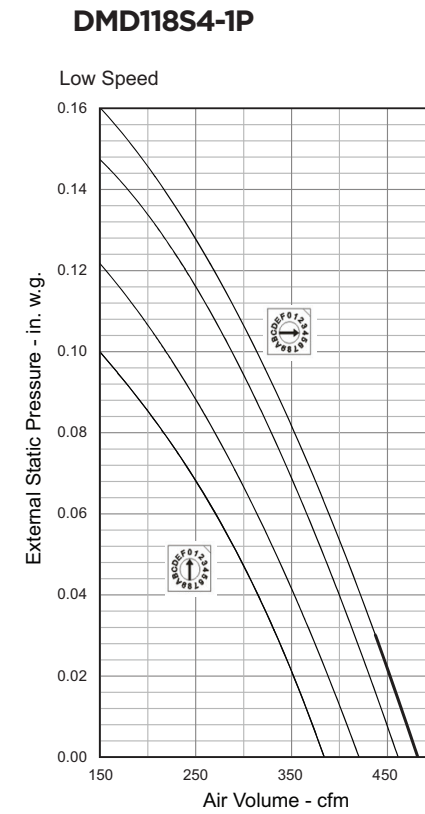
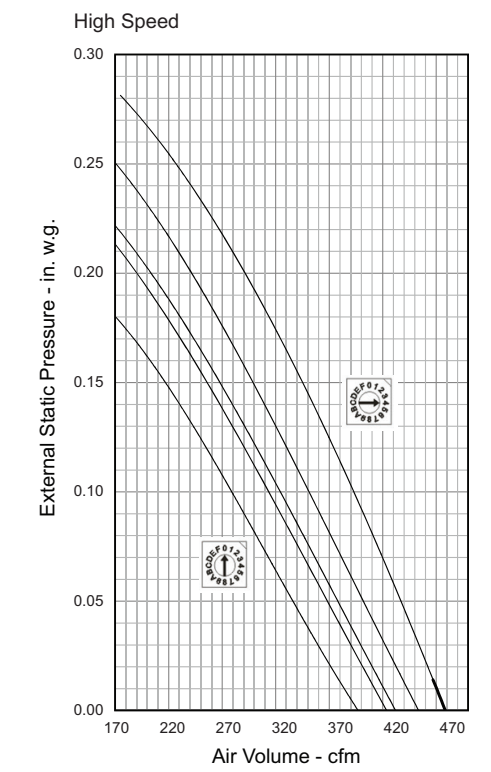
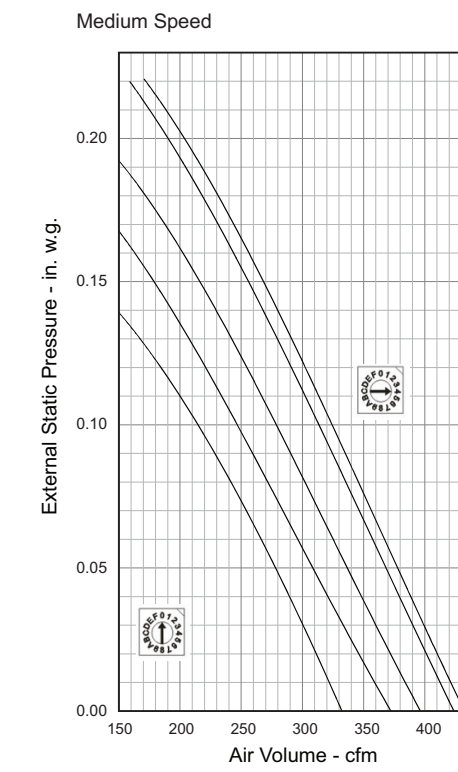
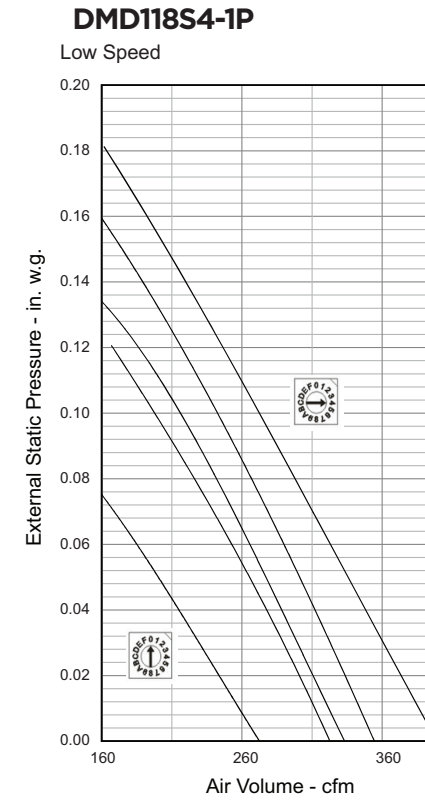
OUTDOOR MODEL	NO. OF ZONES	INDOOR UNIT CAPACITY (UNIT NO.)	LINE SET REQUIRED (LIQUID X GAS)
4DHP1S48M INDOOR UNIT A 1/4" LIQ + 1/2" GAS INDOOR UNIT B 1/4" LIQ + 1/2" GAS INDOOR UNIT C 1/4" LIQ + 3/8" GAS INDOOR UNIT D 1/4" LIQ + 3/8" GAS INDOOR UNIT E 1/4" LIQ + 3/8" GAS	4	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
	4	018 (A)	1/4 in. x 1/2 in.
		009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
	4	009 (D)	1/4 in. x 3/8 in.
		024 (A)	2, 3 3/8 in. x 5/8 in.
		009 (C)	1/4 in. x 3/8 in.
	4	009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		018 (B)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		024 (A)	2, 3 3/8 in. x 5/8 in.
	4	009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	4	009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (C)	1/4 in. x 1/2 in.
	4	012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
009 (D)		1/4 in. x 3/8 in.	
4	012 (C)	1/4 in. x 1/2 in.	
	018 (B)	1/4 in. x 1/2 in.	
	018 (A)	1/4 in. x 1/2 in.	
4	012 (A)	1/4 in. x 1/2 in.	
	012 (B)	1/4 in. x 1/2 in.	
	012 (D)	1/4 in. x 1/2 in.	
4	012 (B)	1/4 in. x 1/2 in.	
	012 (C)	1/4 in. x 1/2 in.	
	018 (A)	1/4 in. x 1/2 in.	

1 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).
 2 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).
 3 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

OUTDOOR MODEL	NO. OF ZONES	INDOOR UNIT CAPACITY (UNIT NO.)	LINE SET REQUIRED (LIQUID X GAS)
4DHP1S48M INDOOR UNIT A 1/4" LIQ + 1/2" GAS INDOOR UNIT B 1/4" LIQ + 1/2" GAS INDOOR UNIT C 1/4" LIQ + 3/8" GAS INDOOR UNIT D 1/4" LIQ + 3/8" GAS INDOOR UNIT E 1/4" LIQ + 3/8" GAS	5	009 (A)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
	5	009 (D)	1/4 in. x 3/8 in.
		009 (E)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	5	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		009 (E)	1/4 in. x 3/8 in.
	5	012 (A)	1/4 in. x 1/2 in.
		009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
	5	009 (D)	1/4 in. x 3/8 in.
		009 (E)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	5	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
	5	009 (E)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	5	012 (C)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		009 (D)	1/4 in. x 3/8 in.
	5	009 (E)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	5	012 (C)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		009 (E)	1/4 in. x 3/8 in.
	5	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
012 (C)		1/4 in. x 1/2 in.	
5	012 (D)	1/4 in. x 1/2 in.	
	012 (A)	1/4 in. x 1/2 in.	
	012 (B)	1/4 in. x 1/2 in.	
5	012 (C)	1/4 in. x 1/2 in.	
	012 (D)	1/4 in. x 1/2 in.	
	012 (E)	1/4 in. x 1/2 in.	

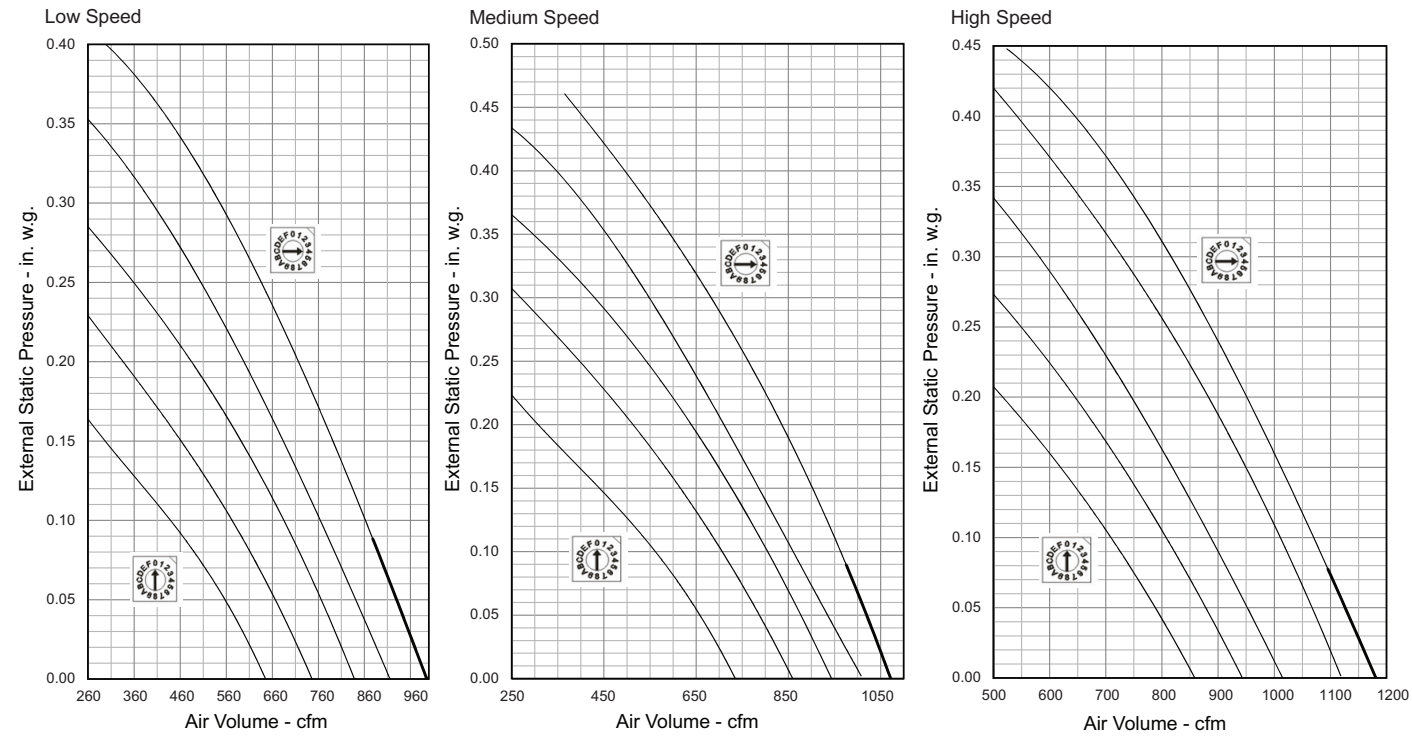
1 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).
 2 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).
 3 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

BLOWER DATA - MEDIUM STATIC DUCTED INDOOR UNITS



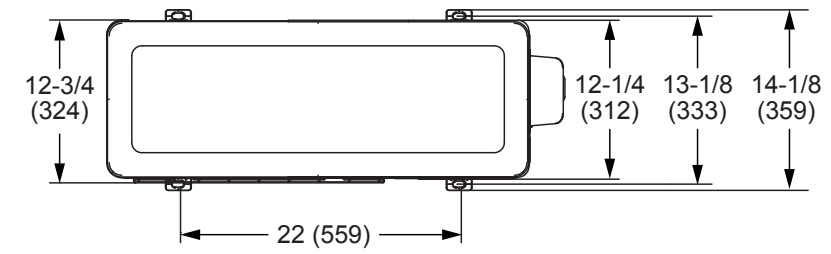
BLOWER DATA - MEDIUM STATIC DUCTED INDOOR UNITS

DMD1024S4-1P

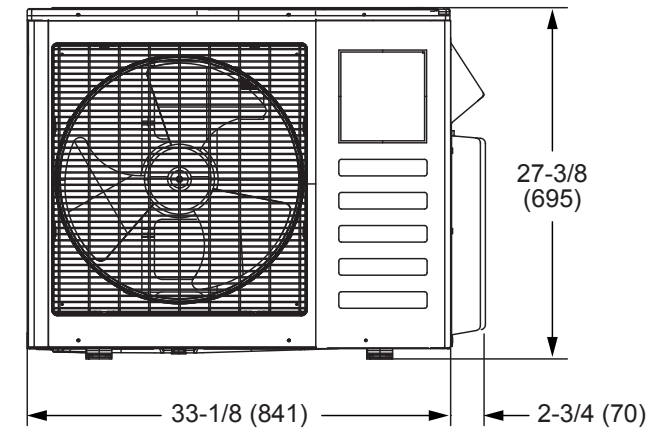


DIMENSIONS - OUTDOOR UNITS - INCHES (MM)

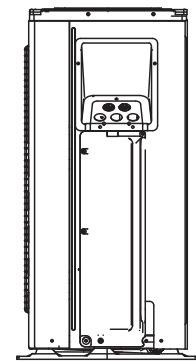
4DHP1S18M



TOP VIEW



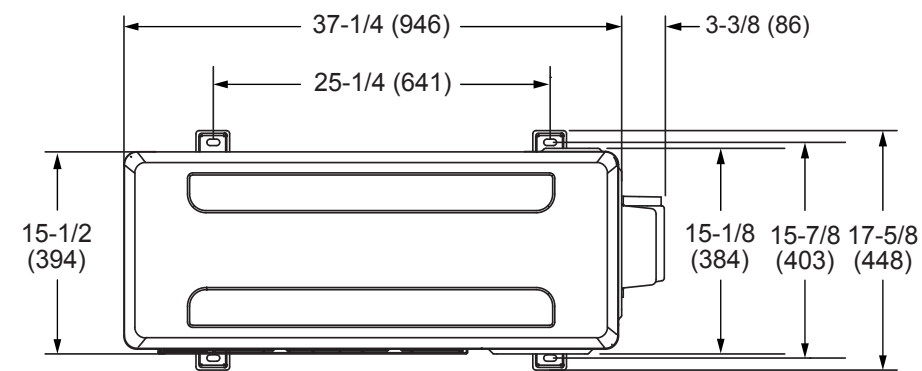
FRONT VIEW



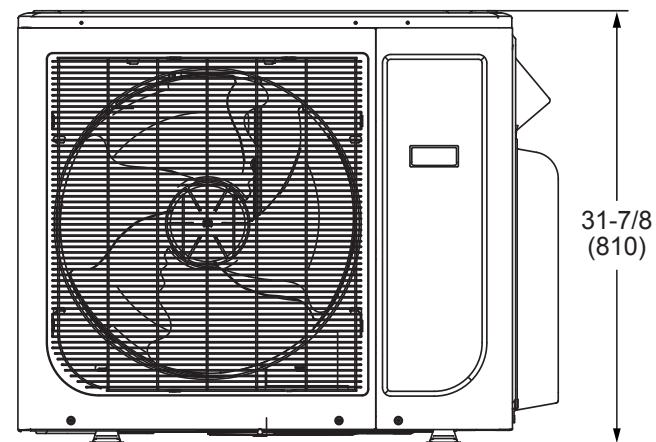
SIDE VIEW

DIMENSIONS - OUTDOOR UNITS - INCHES (MM)

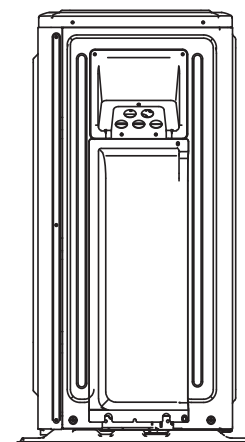
4DHP1S30M, 4DHP1S36M



TOP VIEW



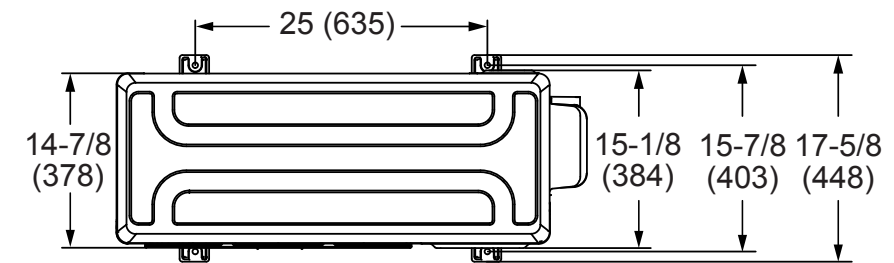
FRONT VIEW



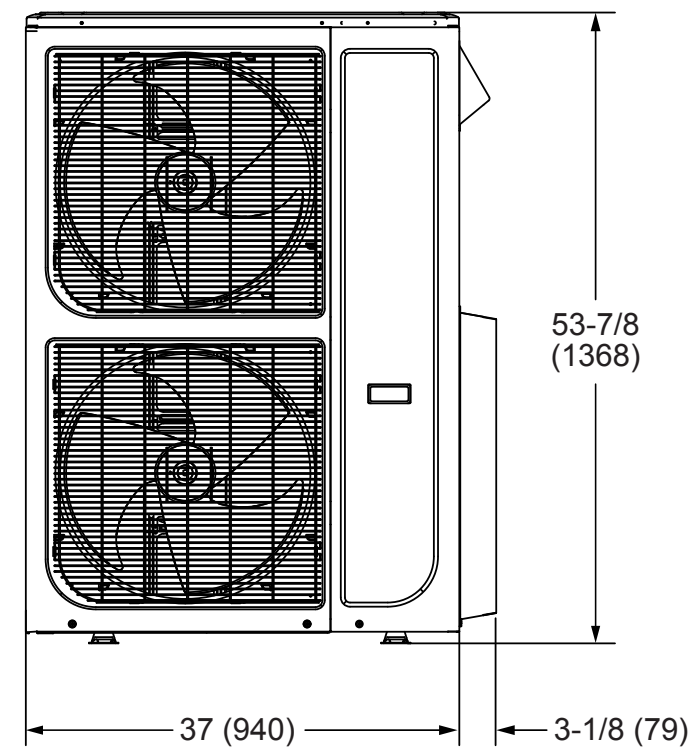
SIDE VIEW

DIMENSIONS - OUTDOOR UNITS - INCHES (MM)

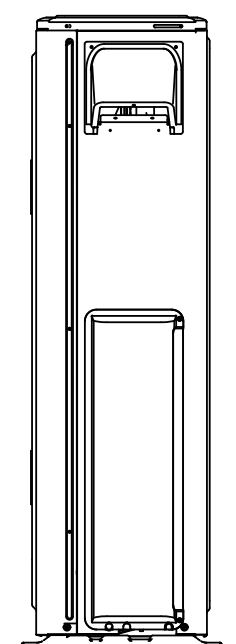
4DHP1S48M



TOP VIEW



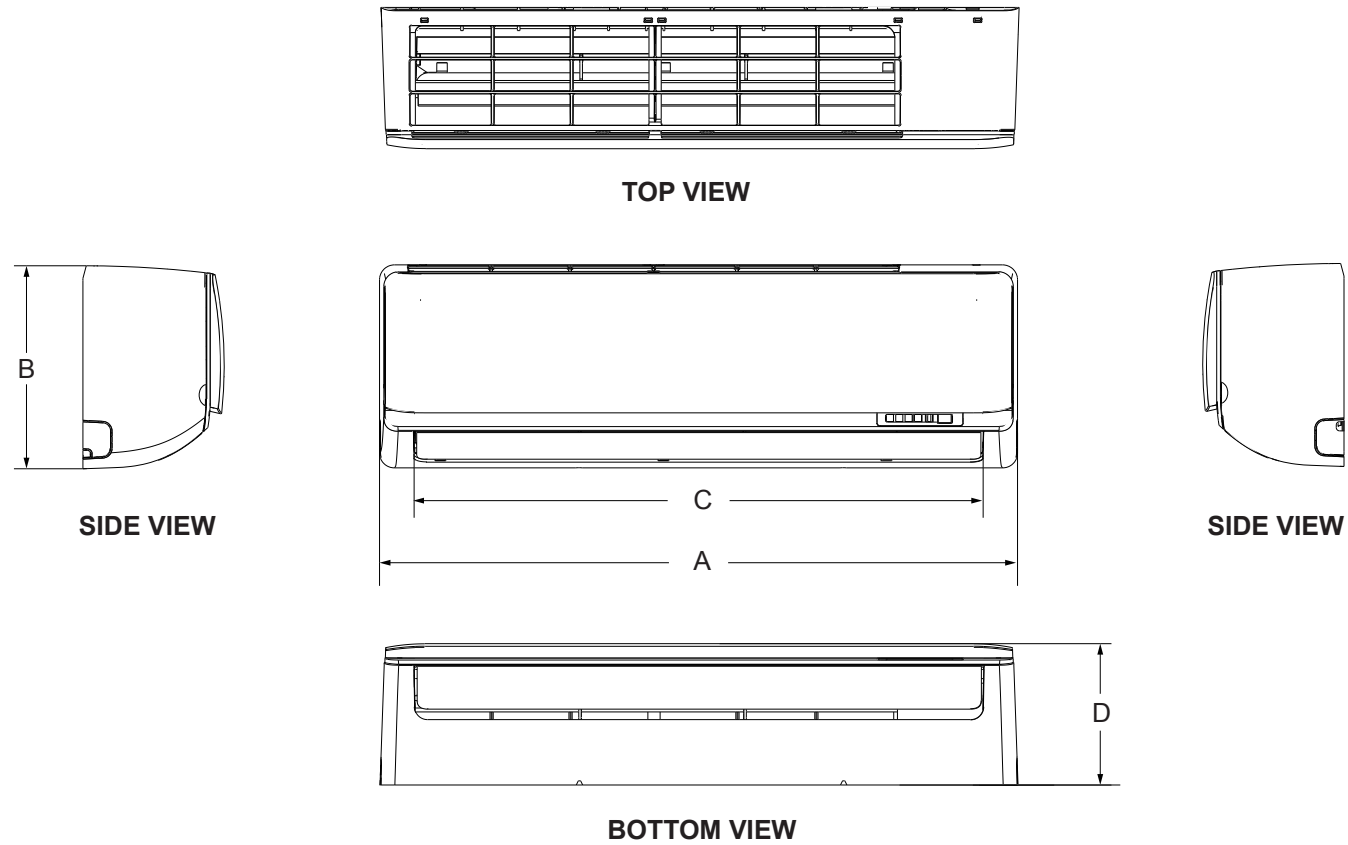
FRONT VIEW



SIDE VIEW

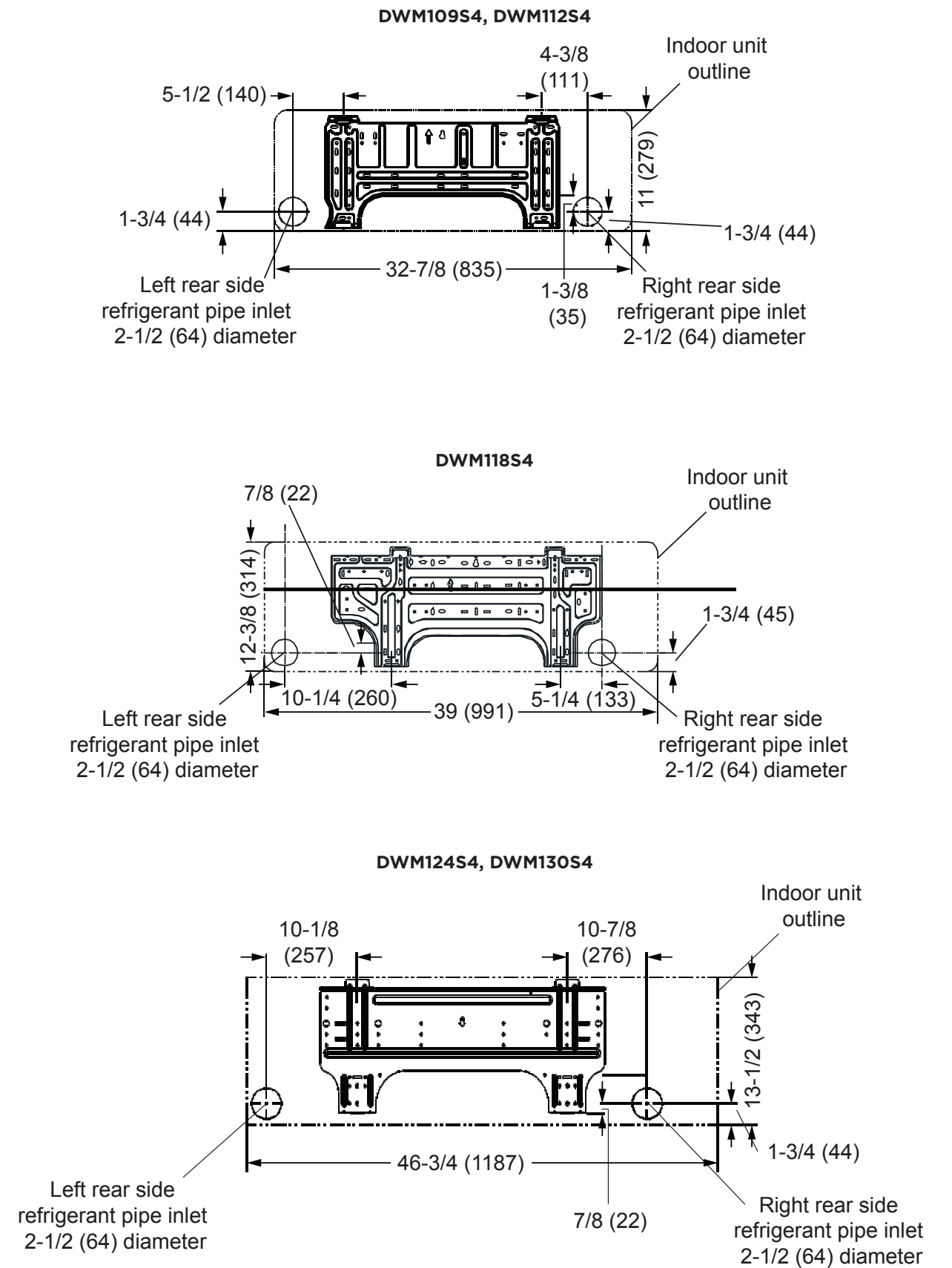
DIMENSIONS - WALL-MOUNTED INDOOR UNITS - INCHES (MM)

DWM109S4, DWM112S4, DWM118S4, DWM124S4, DWM130S4



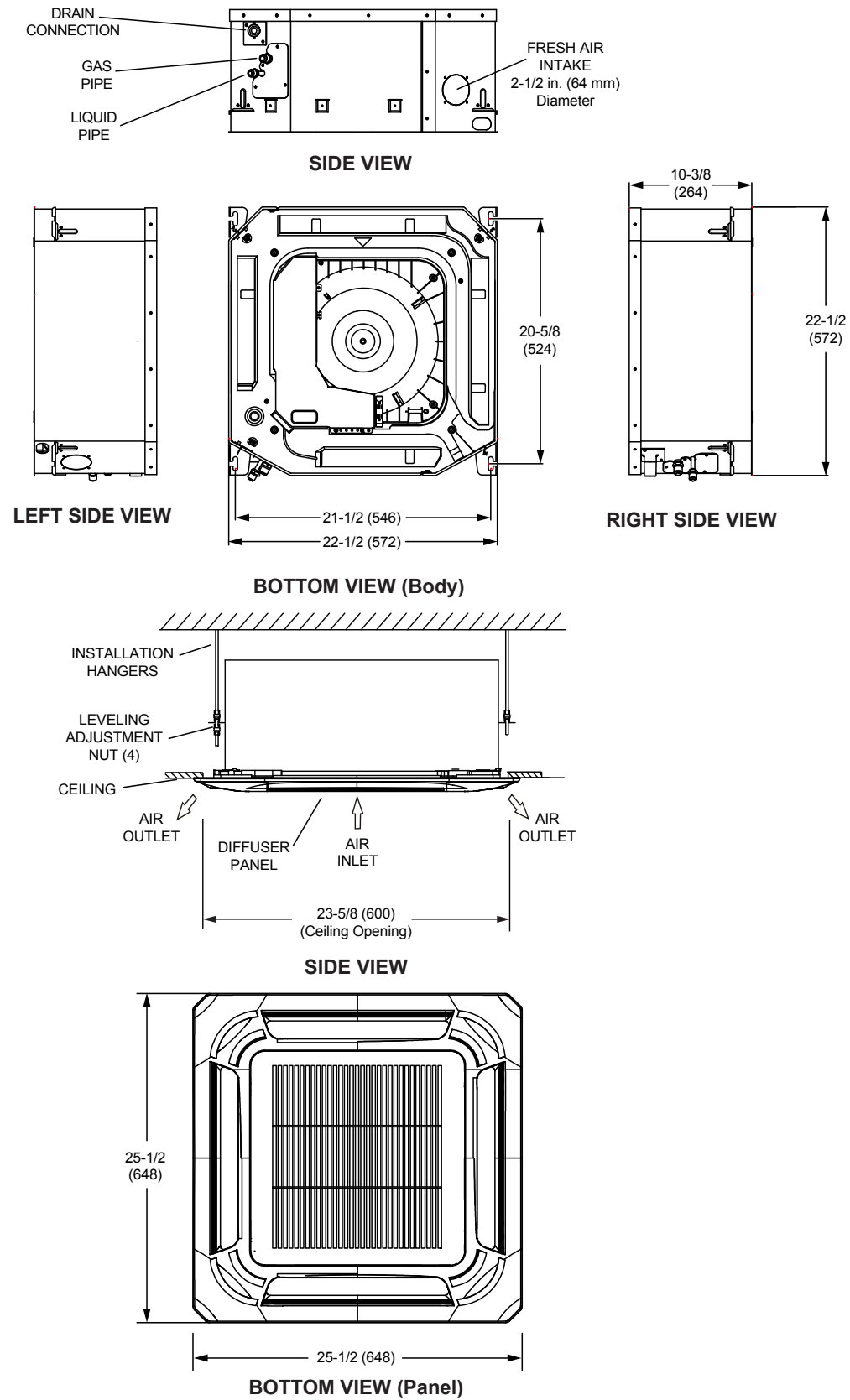
SIZE	A		B		C		D	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM
009, 012	32-7/8	835	11	279	29-1/4	743	7-7/8	200
018	39	991	12-3/8	314	34-3/4	883	8-5/8	219
024, 030	46-3/4	1187	13-1/2	343	42-1/2	1080	10-1/4	260

DIMENSIONS - WALL-MOUNTED INDOOR UNITS - WALL PLATES INCHES (MM)



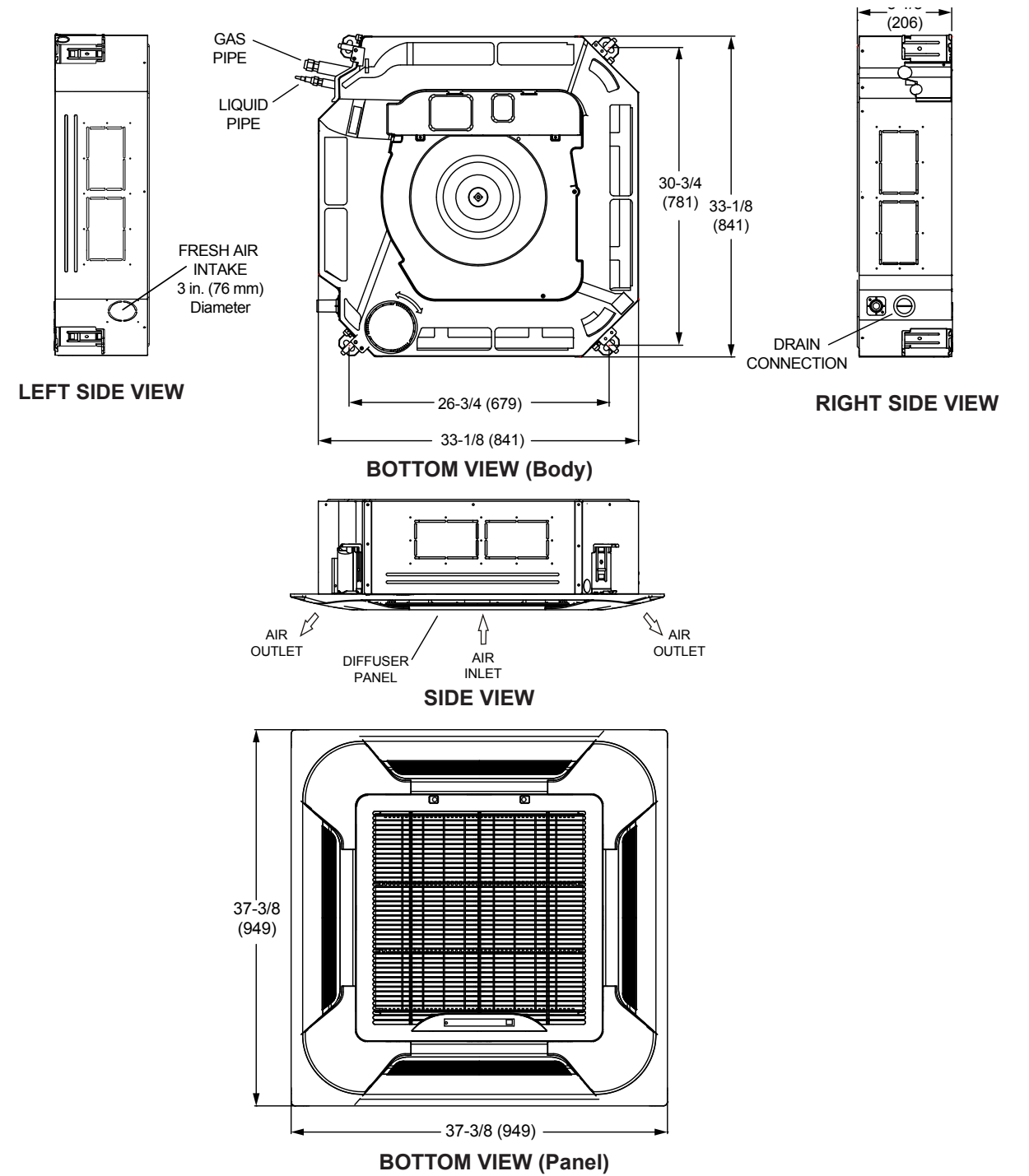
DIMENSIONS - CASSETTE INDOOR UNITS - INCHES (MM)

D33C124S4, D33C136S4, D33C148S4

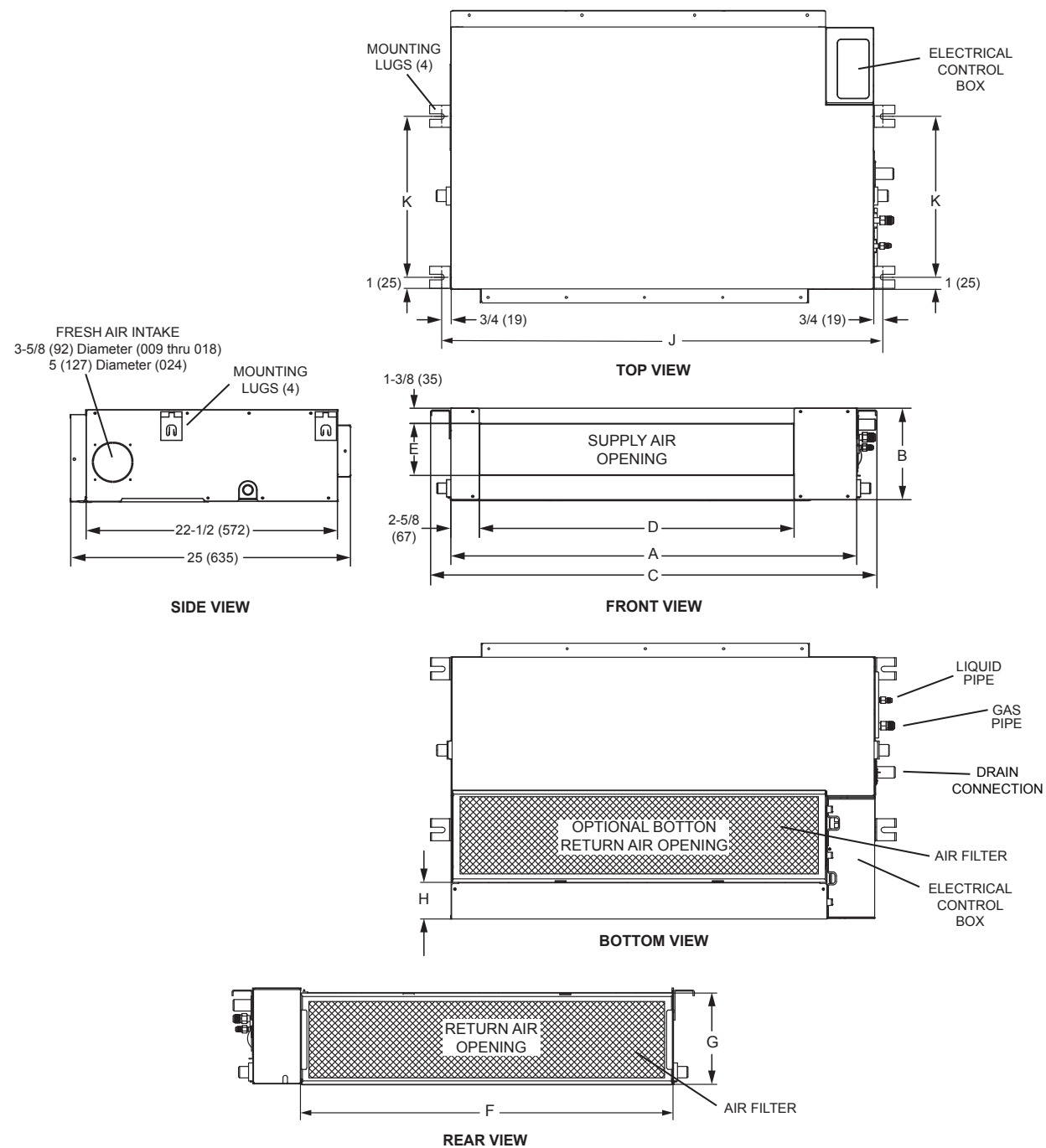


DIMENSIONS - CASSETTE INDOOR UNITS - INCHES (MM)

D33C124S4, D33C136S4, D33C148S4



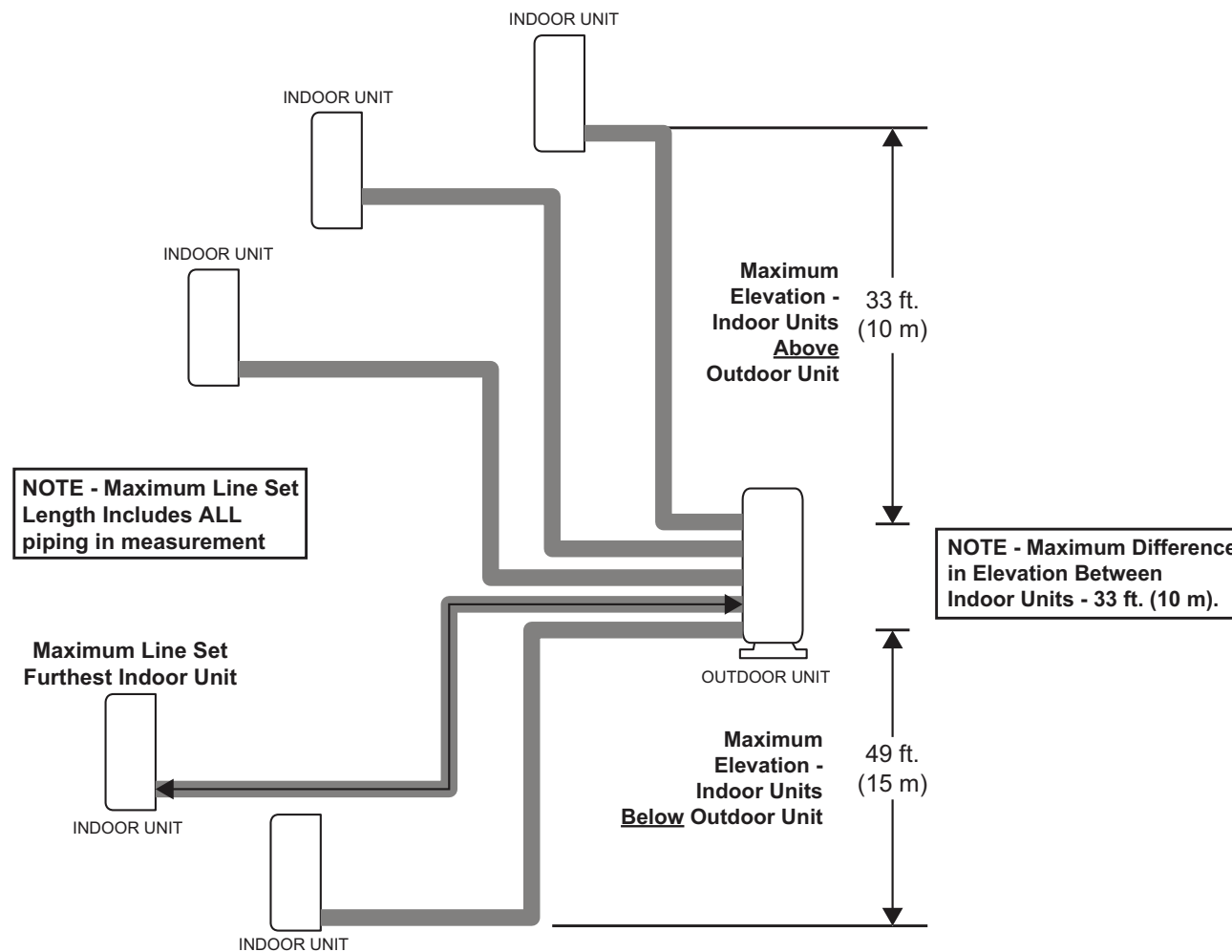
DIMENSIONS - MEDIUM STATIC DUCTED INDOOR UNITS - INCHES (MM)



SIZE	A		B		C		D		E	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
009 thru 012	27-5/8	702	8-1/4	210	31-1/8	791	19-1/2	495	4-5/8	117
018	36-1/4	921	8-1/4	210	39-3/4	1010	28	711	4-5/8	117
024	36-1/4	921	10-5/8	270	39-3/4	1010	28	711	7	178

SIZE	F		G		H		J		K	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
009 thru 012	23-1/2	597	7-7/8	200	3-1/8	79	29-1/8	740	13-3/4	349
018	32	813	7-7/8	200	3-1/8	79	37-3/4	959	13-3/4	349
024	32	813	10-1/4	260	3/4	19	37-3/4	959	13-3/4	349

LINE SET AND ELEVATION GUIDELINES



OUTDOOR UNIT MODEL NO.	4DHP1S018M-1 P	4DHP1S030M-1 P	4DHP1S036M-1 P	4DHP1S048M-1 P
MAXIMUM NUMBER OF INDOOR UNITS	Two	Three	Four	Five
INDOOR UNIT CONNECTIONS - LIQUID / GAS	(2) 1/4 / 3/8	(3) 1/4 / 3/8	(3) 1/4 / 3/8 (1) 1/4 / 1/2	(3) 1/4 / 3/8 (2) 1/4 / 1/2
TOTAL LENGTH OF ALL PIPING	98 ft. (30 m)	148 ft. (45 m)	197 ft. (60 m)	246 (75 m)
MAXIMUM LINE SET LENGTH - FURTHEST INDOOR UNIT	66 ft. (20 m)	82 ft. (25 m)	98 ft. (30 m)	98 ft. (30 m)

ACCESSORIES (FURNISHED)

WIRELESS REMOTE CONTROL

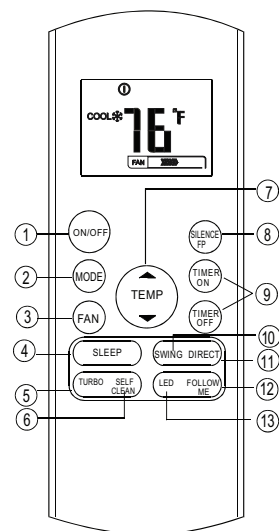
Furnished with Wall-Mounted Indoor Units, Cassette Indoor Units and Ceiling/Floor Indoor Units.

NOTE - Can be ordered separately for ducted indoor units.

Complete remote control of system. Maximum operating range is 25 ft.

Operates on two AAA 1.5V batteries (furnished).

Wireless remote control holder furnished. Holder can be mounted on a wall for easy access. Mounting screws furnished.



1. ON/OFF Button

Turns system on and off.

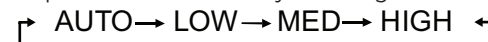
2. MODE Button

Select system operation modes. Push button to cycle through each setting.



3. FAN Button

Select fan speed. Push button to cycle through each setting.



NOTE - Not available in AUTO or DRY modes.

4. SLEEP Button

- Enables the system to automatically increase cooling or decrease heating (in 2°F increments) per hour for the first 2 hours, then maintain a steady temperature for 5 hours.

NOTE - To cancel, push the "MODE", "FAN SPEED" or "ON/OFF" buttons.

NOTE - SLEEP mode is only available when the unit is in COOL, HEAT or AUTO mode.

5. TURBO Button

- Enables the unit to reach the preset temperature during cooling or heating operation in the shortest time.

6. SELF CLEAN Button

- Automatically cleans and dries the evaporator coil at the end of the cooling season, preventing any odors or mildew.

7. UP/DOWN Buttons

- Increase or decrease the indoor temperature in one degree increments (maximum 86°F, minimum 62°F).

NOTE - Temperature cannot be adjusted in FAN mode.

NOTE - Press and hold and buttons together for 3 seconds to alternate the temperature display between the °C and °F scale.

8. SILENCE/FP Button

- Silence - Operates the compressor at low frequency and low fan speed to reduce operating sound levels to a minimum.
- FP - Only available during heating operation. Unit will operate at a set temperature of 46°F.

NOTE - To cancel, push the "ON/OFF", "SLEEP", "FP", "MODE", "FAN SPEED", "UP/DOWN" buttons.

9. TIMER ON / TIMER OFF Buttons

- TIMER ON (initiates an auto-on time sequence) and TIMER OFF (initiates an auto-off time sequence) can be used separately or together. Each press of the button increases the time in 30 minute increments up to 10 hours. Above 10 hours each press of the button will increase the auto-timed setting by 60 minutes up to 24 hours.

NOTE - To cancel, set timer to 0.0 or turn remote off and on.

10. SWING Button

- Used to stop or start horizontal louver auto swing feature.

11. DIRECT Button

- Used to change the louver movement and set the desired up/down air flow direction.
- The louver angle changes 6° for each press of the button.

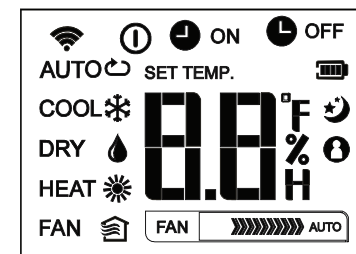
12. FOLLOW ME Button

- Allows remote temperature sensing of the room at the remote control location.

13. LED Button

- Turns the LCD display backlight on the indoor unit on or off.

WIRELESS REMOTE CONTROL OPERATION



Mode display



- Displayed when data transmitted.
- Displayed when remote controller is ON.
- Battery display (low battery detection)

- ON - Displayed when TIMER ON time is set.
- OFF - Displayed when TIMER OFF time is set.

Show set temperature or room temperature, or time under TIMER setting.

- Displayed in Sleep Mode operation.
- Indicated that the air conditioner is operating in Follow me mode

Fan speed indication

- Low speed
- Medium speed
- High speed
- Auto fan speed

Note - During unit operation only the active functions will be shown on the display.

AUTO OPERATION

- Press the **MODE** button to select Auto.
- Press the **UP/DOWN** button to set the desired temperature. The temperature can be set within a range of
- Press the **ON/OFF** button to start the air conditioner.

COOLING /HEATING/FAN OPERATION

- Press the **MODE** button to select **COOL, HEAT or FAN** mode.
- Press the **UP/DOWN** buttons to set the desired temperature.
- Press the **FAN** button to select the fan speed in four steps- Auto, Low, Med, or High.
- Press the **ON/OFF** button to start the air conditioner.

DEHUMIDIFYING OPERATION

- Press the **MODE** button to select **DRY** mode.
- Press the **UP/DOWN** buttons to set the desired temperature.
- Press the **ON/OFF** button to start the air conditioner.

TIMER ON/OFF OPERATION

- Press the **TIMER ON** or **TIMER OFF** button. The remote controller shows **TIMER ON** or **TIMER OFF** icon, the previous Auto-on time setting and the signal "H" will be shown on the LCD display area.
- Push the **TIMER ON** or **TIMER OFF** button again to set desired time. Each time you press the button, the time increases by 30 minutes between 0 and 10 hours and by 60 minutes between 10 and 24 hours.
- After setting the **TIMER ON** or **TIMER OFF** there will be a one second delay before the remote control transmits the signal to the unit. After approximately 2 seconds, the signal "H" will disappear and the set temperature will re-appear on the LCD display window.

WIRED REMOTE CONTROL

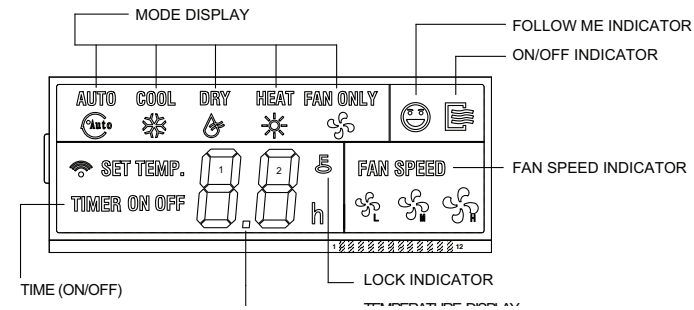
Furnished with Ducted Indoor Units.

NOTE - Can be ordered separately for non-ducted indoor units.

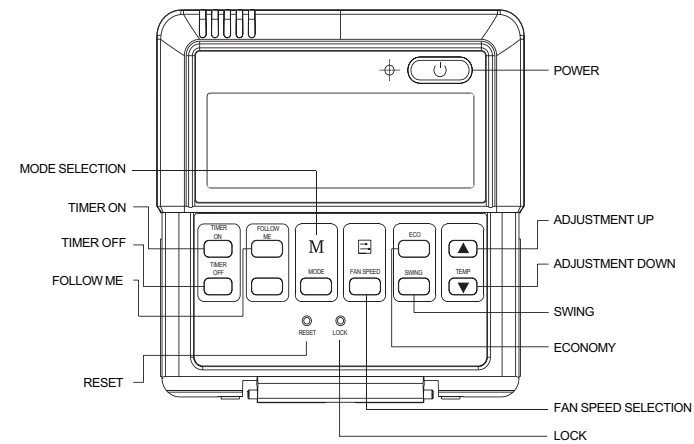
FEATURES

- Backlight - Allows easy operation in a dark room. The controller lights when any button is pressed and remains lit during control access.
- Permanent Memory - Maintains clock, fan speed and mode of operation settings following power outages.
- Dimensions (H x W x D) - 4-3/4 x 4-3/4 x 7/8 in.
- Additional hardware is furnished for installation.
- Wiring - Controller uses 5-wire shielded cable (not furnished) for easy low voltage connection to the indoor unit.

DISPLAY

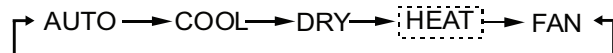


BUTTONS AND FUNCTIONS



MODE Button

Select system operation modes. Push button to cycle through each setting.

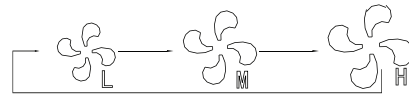


POWER Button

Turns system on and off.

FAN SPEED Button

Selects fan speed. Each button press cycles through the following settings on display.



NOTE - Not available in AUTO mode.

TIMER ON / TIMER OFF Buttons

- TIMER ON (initiates an auto-on time sequence) and TIMER OFF (initiates an auto-off time sequence) can be used separately or together. Each press of the button increases the time in 30 minute increments up to 10 hours. Above 10 hours each press of the button will increase the auto-timed setting by 60 minutes up to 24 hours.

NOTE - To cancel, set timer to 0.0.

UP/DOWN Buttons

- Increase or decrease the indoor temperature in two degree increments (maximum 88°F, minimum 62°F).

NOTE - Temperature cannot be adjusted in FAN mode.

NOTE - Press and hold and buttons together for 3 seconds to alternate the temperature display between the °C and °F scale.

SWING Button

- Used to stop or start horizontal louver auto swing feature.

ECONOMY Button

- Maintains the most comfortable temperature and saves energy.

RESET Button (Recessed)

- Resets Controller to factory settings. Recessed to prevent tampering.

LOCK Button (Recessed)

- Locks Controller buttons to prevent tampering with settings.

OPTIONAL ACCESSORIES - ORDER SEPERATLEY

DESCRIPTION	CATALOG #	18	30	36	48
OUTDOOR UNIT					
CONDENSER PAD (18 X 36 X 2)	Y5014	x	x	x	x
DISCONNECTS	30 AMP, FUSED, 1 PH	27P37	x	x	x
	60 AMP, NON-FUSED, 1 PH	27P39	x	x	x
FUSES	30A	83P75	x	x	x
	60A	83P77	x	x	x
LINE SETS	1/4" X 3/8" X 25'	90X53			
	1/4" X 3/8" X 50'	X0258			
	1/4" X 1/2" X 25'	90X52	x		
	1/4" X 1/2" X 50'	X0259	x		
	3/8" X 5/8" X 25'	X8406		x	x
	3/8" X 5/8" X 50'	X8407		x	x
WALL BRACKETS	30"	Y5020	x		
	36"	Y5021		x	x
WHIPS	10 GAUGE - 1/2" X 6'	29P54	x	x	x
	8 GAUGE - 3/4" X 6'	27P44	x	x	x
INDOOR UNIT					
CONDENSATE PUMP	7.9 US GALLONS/HR. 35 FT. LIFT - 120/240V	Y5170	x	x	x
CONTROLS					
WIRELESS REMOTE CONTROL		1.861056	x	x	x
WIRED REMOTE CONTROL		1.861057	x	x	x
INDOOR/OUTDOOR WIRING CABLE	14 GAUGE, 4 CONDUCTOR WIRE, THHN, 250 FT.	Y2067	x	x	x
NOTE- CONTROLS ARE FURNISHED WITH INDOOR UNITS. WIRED WITH DUCTED, WIRELESS WITH ALL OTHERS. THESE ACCESSORIES ARE ALTERNATIVES FOR THOSE OPTIONS- I.E. WIRELESS WITH DUCTED OR WIRED WITH ALL OTHERS.					
LINESET COVER					
STARTER KIT	4"	Y3387	x	x	x
LINESET COVER	4" X 6.5'	Y3388	x	x	x
UNION COUPLING	4"	Y3389	x	x	x
90 DEGREE FLAT BEND ELBOW	4"	Y3390	x	x	x
90 DEGREE INSIDE ELBOW	4"	Y3391	x	x	x
45 DEGREE FLAT BEND ELBOW	4"	Y3392	x	x	x
FLEX JOINT	4"	Y3393	x	x	x
T-JOINT	4"	Y3394	x	x	x
DUCT END	4"	Y3395	x	x	x
FALT WALL ESCUTCHEON	4"	Y3396	x	x	x
WALL PENETRATION COVER	4"	Y3399	x	x	x
MOUNT BLOCK (WHITE)	QTY (2) - 14"	Y3397	x	x	x
MOUNT BLOCK (WHITE)	QTY (2) - 36"	Y3398	x	x	x



1-800-448-5872

All specifications and illustrations subject to change without notice and without incurring obligations.