4DHP MULTI-ZONE
PRODUCT SPECIFICATIONS

OUTDOOR UNITS

3 TON & UNDER

4 TON

INDOOR UNITS

CEILING CASSETTE

DUCTED UNIT

DWM WALL MOUNTED

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

Wired Remote Controller (furnished with Medium Static Ducted Models)

AHRI CERTIFIED™
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

ETL LISTED
Intertek

ENERGY STAR

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

FEATURES AND BENEFITS - OUTDOOR UNITS

CONTENTS

EQUIPMENT WARRANTY

Compressor - Limited warranty for seven years; can be extended for 5 years for a total of 12 years.*

Accessories/Controls – 1 year.

All other covered components - Five years; can be extended for 7 years for a total of 12 years.*

* Warranty must be registered online within 60 days of installation to qualify for 12-year coverage. Unregistered equipment defaults to standard coverage.

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

APPLICATIONS

SEER up to 23.00.

HSPF up to 10.3

1.5 through 4 ton.

Single phase power supply (208/230V).

Outdoor unit sound levels as low as 62 dB.

Indoor unit sound levels as low as 26.5 dB.

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.

Depending on capacity, multi-zone heat pumps allow up to five indoor units (5 zones) to be connected to one outdoor unit.

Units shipped completely factory assembled, internally piped, and wired.

Installer must set outdoor unit, hang indoor units, connect refrigerant lines, and make electrical connections to complete job.

NOTE - Outdoor unit is designed for outdoor use.

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

APPROVALS

AHRI Certified to AHRI Standard 210/240.

Rated according to U.S. Department of Energy (DOE) test procedures.

Indoor and outdoor units and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.

Units are ETL certified for the U.S. and Canada.

Certain models are Energy Star® certified and designed to use less energy, help save money on utility bills, and help protect the environment. Many Allied home comfort systems meet Energy Star requirements when used with matching components.

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

REFRIGERATION SYSTEM

R-410A Refrigerant

Non-chlorine, ozone friendly, R-410A.

Unit pre-charged with refrigerant.

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.

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. Shut-off valve can be fully shut off while 3-way service valve (with service port) may be accessed to manage refrigerant charge while servicing 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.

MPB048 has a twin rotary compressor.

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 or heating 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.

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. 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.

WALL-MOUNTED INDOOR UNITS

Low-sound, three-speed Wall Mount with LED display offers three access points for refrigerant outlet pipes: left, right or rear. The front panel can be raised for accessible wiring and maintenance. Swing louver angles to 90°. Unit installs horizontally on a vertical wall.

- **Pre-Heat Function** - Delays the operation of the fan until the indoor coil has reached a pre-determined temperature which prevents the discharge of cold air while the system is operating in the "heating" mode.
- **LED Readout** - Mounted on unit. LED displays unit operation status, and codes for maintenance and servicing.
- **Auto Restart** - Automatically restores the previous function setting if power is interrupted.
- **Cooling Override** - Button on the indoor unit allows a temporary 30 minute override of the system for forced "AUTO" or "COOLING" operation.
- **Flare Connections** - Equipped with liquid and gas flare fittings for quick and secure piping.
- **Multi-Refrigerant Outlet** - Allows left, right, or rear access for refrigeration line connection.
- **Three Speed Fan** - Fan functions at three speeds: low, medium and high.
- **Air Filter** - Cleanable air filter is furnished as standard.

CASSETTE INDOOR UNITS

Low-sound and encased in galvanized steel, the Cassette unit with LED display offers 360° airflow for immediate, equal distribution of wide-range cooling and heating.

- **360° Airflow Panel** - Allows for even, wide-range cooling and heating.
- **Pre-Heat Function** - Delays the operation of the fan until the indoor coil has reached a pre-determined temperature which prevents the discharge of cold air while the system is operating in the "heating" mode.
- **LED Readout/Infrared Receiver Panel** - Mounted on unit. LEDs display unit operation status, and codes for maintenance and servicing. Infrared receiver for use with wireless remote controller (furnished).
- **Auto Restart** - Automatically restores the previous function setting if power is interrupted.
- **Cooling Override** - Button on the indoor unit allows a temporary 30 minute override of the system for forced "AUTO" or "COOLING" operation.
- **Built-In Condensate Pump** - Maximum lift - 27-1/2 in.
- **Compact Design** - Allows accessible wiring and space-saving installation with reduced width and depth.
- **Flare Connections** - Equipped with liquid and gas flare fittings for quick and secure piping.
- **Three Speed Fan** - Fan functions at three speeds: low, medium and high.
- **Turbo Fan With Backward Curved Blades** - Reduces sound levels and air resistance.
- **Air Filter** - Cleanable air filter is furnished as standard.

NOTE - The cassette panel must be ordered separately. See Specifications table for ordering 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.

- **Pre-Heat Function** - Delays the operation of the fan until the indoor coil has reached a pre-determined temperature which prevents the discharge of cold air while the system is operating in the "heating" mode.
- **LED Readout Panel** - Mounted in the unit control box unit. LEDs display unit operation status, and codes for maintenance and servicing.
- **Auto Restart** - Automatically restores the previous function setting if power is interrupted.
- **Cooling Override** - Button on the indoor unit allows a temporary 30 minute override of the system for forced "AUTO" or "COOLING" operation.
- **Built-In Condensate Pump** - 27-1/2 inch lift.
- **Duct Connections** - Return air connections can be made horizontally or from the bottom of the unit with interchangeable panel.
- **Flare Connections** - Equipped with liquid and gas flare fittings for quick and secure piping.
- **Three Speed Fan** - Fan functions at three speeds: low, medium and high.
- **Air Filter** - Cleanable air filter is furnished as standard.

AUTO CHANGEOVER OPERATION

If an indoor unit in the system is set to "AUTO" mode the unit will operate in cooling, heating or fan mode based on temperature setting. Fan runs in auto mode.

Each indoor unit has a "mode conflict priority" setting set by a DIP switch or from the remote controller (default setting is heating mode).

The system "mode conflict priority" is set by the indoor unit connected through the "A" terminal strip. If the "A" terminal strip is not used, the unit at the "B" terminal strip and any subsequent terminal strips is utilized (depending on number of zones/indoor units).

When a mode conflict happens (all units are not set to the same mode), the indoor units with the mode equal to the system "mode conflict priority" will continue to operate, the indoor unit with the different mode will be turned off and the display will show "--" indicating a mode conflict for that particular indoor unit.

Mode conflict will auto-reset once all units return to the same operating mode.

MODEL NUMBER GUIDE

OUTDOOR MULTI-ZONE HEAT PUMP UNITS

4 D HP 1 S 09 M -1 P

REFRIGERANT TYPE
R410A

SERIES TYPE
D = DUCTLESS

UNIT TYPE
HP = HEAT PUMP

MAJOR DESIGN SEQUENCE
1 = 1ST GENERATION

**COOLING CAPACITY**
S = STANDARD EFFICIENCY

VOLTAGE
P = 208/230-1 PHASE-60HZ

MINOR DESIGN SEQUENCE
1 = 1ST REVISION

REFRIGERANT CIRCUITS
S = SINGLE CIRCUITS
M = MULTIPLE CIRCUITS

NOMINAL COOLING CAPACITY
09 = .75 TONS   30 = 2.5 TONS
12 = 1 TONS   36 = 3 TONS
18 = 1.5 TONS   48 = 4 TONS
24 = 2 TONS

WALL-MOUNTED INDOOR UNITS

D WM 1 09 S 4 -1 P

SERIES TYPE
D = DUCTLESS SYSTEM

UNIT TYPE
WM = WALL MOUNT

MAJOR DESIGN SEQUENCE
1 = 1ST GENERATION

NOMINAL COOLING CAPACITY
09 = .75 TONS
12 = 1 TONS
18 = 1.5 TONS
24 = 2 TONS
30 = 2.5 TONS

VOLTAGE
L = 115V-1 PHASE-60HZ
P = 208/230-1 PHASE-60HZ

MINOR DESIGN SEQUENCE
1 = 1ST REVISION
2 = 2ND REVISION

REFRIGERANT TYPE
4 = R410A

COOLING EFFICIENCY
S = STANDARD EFFICIENCY

CASSETTE INDOOR UNITS

D 22C 1 09 S 4 -1 P

SERIES TYPE
D = DUCTLESS SYSTEM

UNIT TYPE
22C = 2X2 CASSETTE NON-DUCTED UNIT
33C = 3X3 CASSETTE NON-DUCTED UNIT

MAJOR DESIGN SEQUENCE
1 = 1ST GENERATION

NOMINAL COOLING CAPACITY
09 = .75 TONS
12 = 1 TONS
18 = 1.5 TONS
24 = 2 TONS
36 = 3 TONS
48 = 4 TONS

VOLTAGE
P = 208/230-1 PHASE-60HZ

MINOR DESIGN SEQUENCE
1 = 1ST REVISION

REFRIGERANT TYPE
4 = R410A

COOLING EFFICIENCY
S = STANDARD EFFICIENCY

DUCTED INDOOR UNITS

D MD 1 12 S 4 -1 P

SERIES TYPE
D = DUCTLESS SYSTEM

UNIT TYPE
MD = MEDIUM STATIC DUCTED

MAJOR DESIGN SEQUENCE
1 = 1ST GENERATION
2 = 2ND GENERATION

NOMINAL COOLING CAPACITY
09 = .75 TONS
12 = 1 TONS
18 = 1.5 TONS
24 = 2 TONS
36 = 3 TONS
48 = 4 TONS

VOLTAGE
P = 208/230-1 PHASE-60HZ

MINOR DESIGN SEQUENCE
1 = 1ST REVISION

REFRIGERANT TYPE
4 = R410A

COOLING EFFICIENCY
S = STANDARD EFFICIENCY

DIMENSIONS - OUTDOOR UNITS - INCHES (MM)

4DHP1S18M

DRAIN HOLE (bottom of unit)

15 (381)

14 (356)

13-3/4 (349)

TOP VIEW

7-7/8 (200)

1-3/8 (35)

33-3/8 (854)

21-1/4 (540)

33-1/4 (845)

36 (914)

FRONT VIEW

27-5/8 (702)

1/2 (13)

14-1/4 (362)
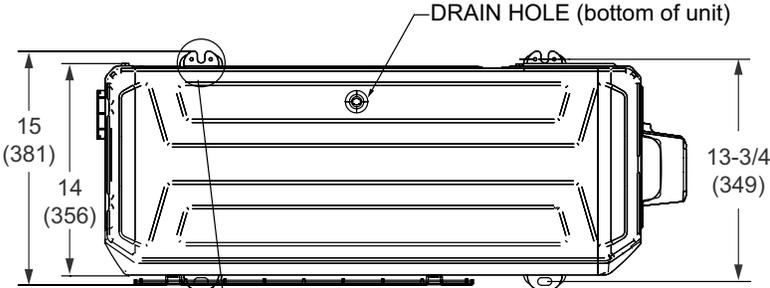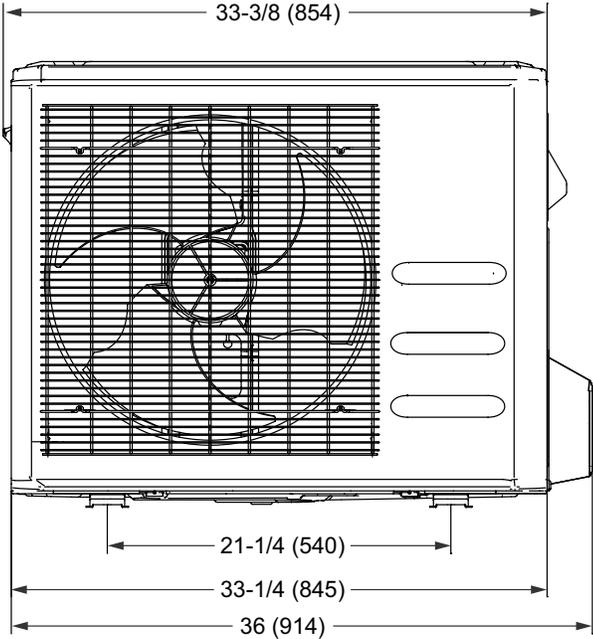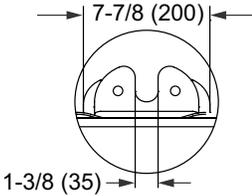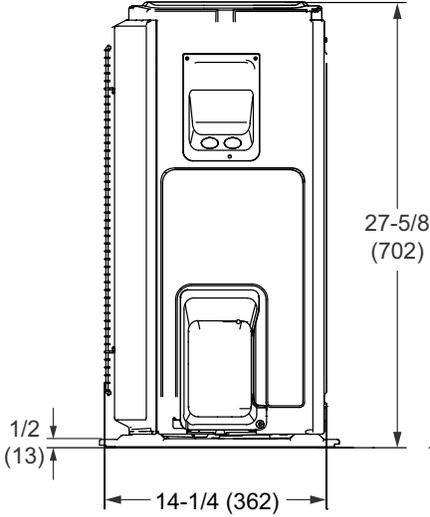
SIDE VIEW

4DHP1S30M, 4DHP1S36M

DRAIN HOLE (bottom of unit)

16-3/8
(416)

15-1/4
(387)

15-7/8
(403)

TOP VIEW

2-7/8
(73)

1 (25)

26-1/2 (673)

37-1/4 (946)

3-3/8
(86)

FRONT VIEW

31-7/8
(810)

17-7/8 (454)

SIDE VIEW

4DHP1S48M

DRAIN HOLE (bottom of unit)

25 (635)

16-3/8 (416)

15-7/8 (403)

TOP VIEW

52-1/2 (1334)

37-1/2 (953)

41-3/4 (1060)

FRONT VIEW

F
E
D
C
B
A
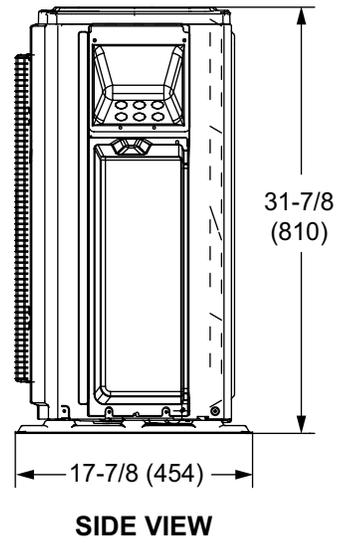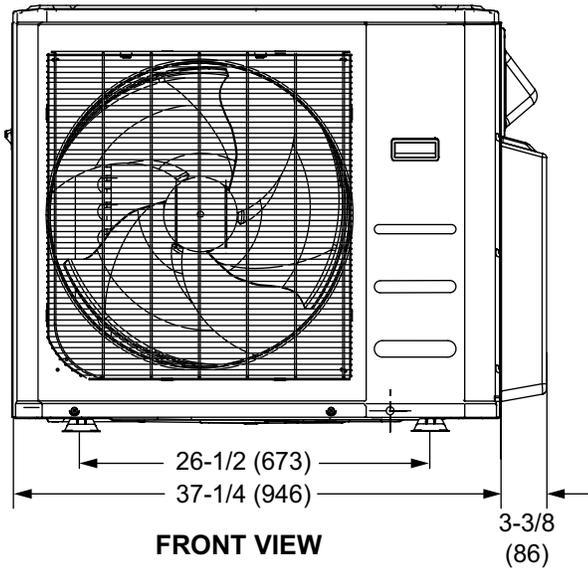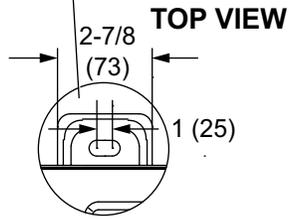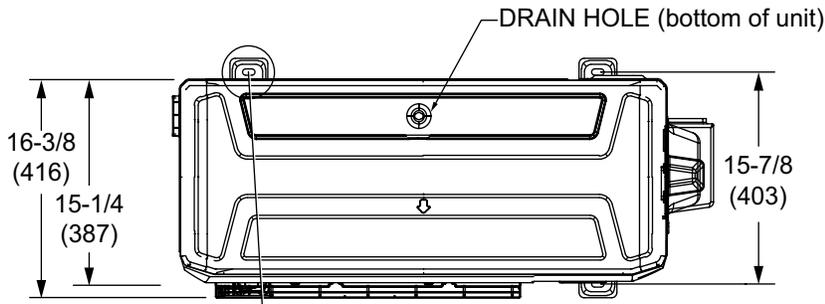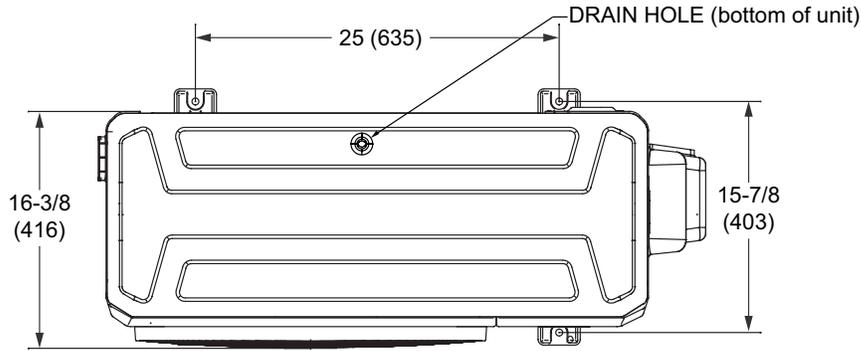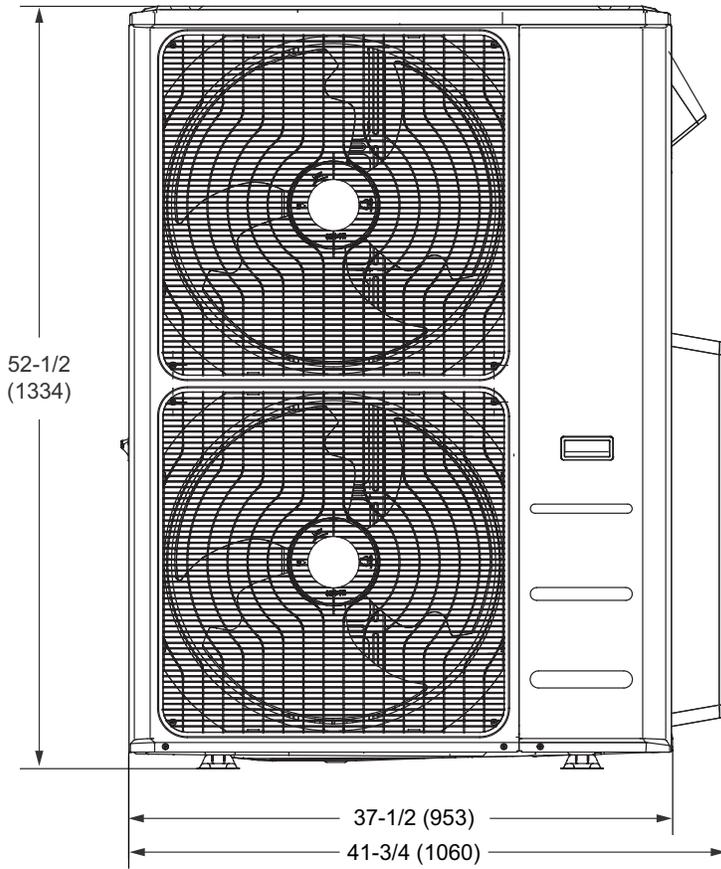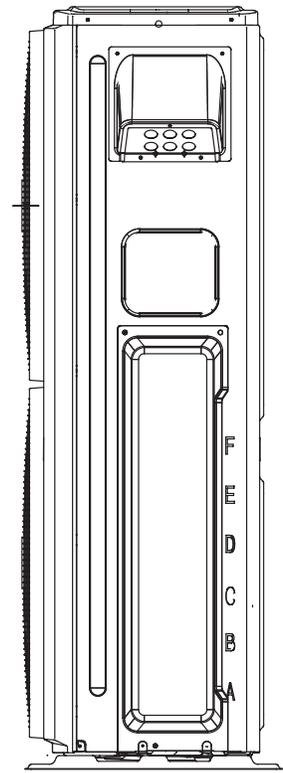
SIDE VIEW

DIMENSIONS - WALL MOUNTED INDOOR UNITS - INCHES (MM)

TOP VIEW

SIDE VIEW

SIDE VIEW

BOTTOM VIEW
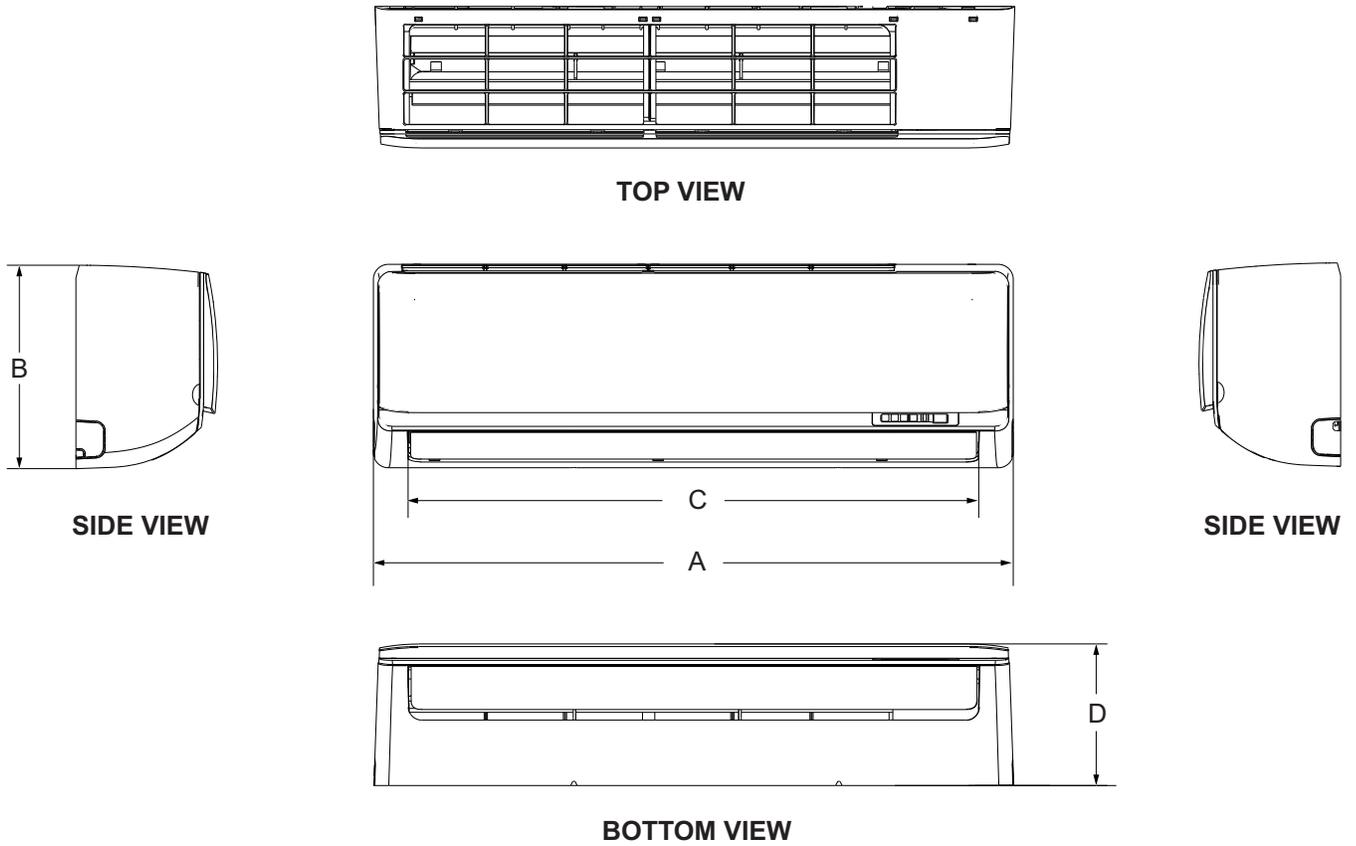
SIZE	A		B		C		D	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM
DWM109S4-1L DWM112S4-1L	32-7/8	835	11	279	29-1/4	743	7-7/8	200
DWM109S4-1P DWM112S4-1P	33-1/8	841	11	279	29-1/4	743	8-1/4	210
DWM118S4-1P	39	991	12-3/8	314	34-3/4	883	8-5/8	219
DWM124S4-1P	46-3/4	1187	13-1/2	343	42-1/2	1080	10-1/4	260

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

DWM109S4, DWM112S4

4-3/8 (111)

Indoor unit outline

5-1/2 (140)

11 (279)

1-3/4 (44)

1-3/4 (44)

MWMA 33-1/8 (841)
MWMB 32-7/8 (835)

1-3/8 (35)

Left rear side refrigerant pipe inlet 2-1/2 (64) diameter

Right rear side refrigerant pipe inlet 2-1/2 (64) diameter

DWM118S4

Indoor unit outline

7/8 (22)

12-3/8 (314)

1-3/4 (45)

10-1/4 (260)

39 (991)

5-1/4 (133)

Left rear side refrigerant pipe inlet 2-1/2 (64) diameter

Right rear side refrigerant pipe inlet 2-1/2 (64) diameter

DWM124S4

Indoor unit outline

10-1/8 (257)

10-7/8 (276)

13-1/2 (343)

1-3/4 (44)

46-3/4 (1187)

7/8 (22)

Left rear side refrigerant pipe inlet 2-1/2 (64) diameter

Right rear side refrigerant pipe inlet 2-1/2 (64) diameter

DIMENSIONS - CASSETTE INDOOR UNITS - INCHES (MM)

D22C109S4, D22C112S4, D22C118S4

DRAIN CONNECTION

GAS PIPE

LIQUID PIPE

SIDE VIEW

10-3/8 (264)

22-1/2 (572)

20-5/8 (524)

Fresh Air Intake (NOTE - Not Used)

LEFT SIDE VIEW

21-1/2 (546)

22-1/2 (572)

BOTTOM VIEW (Body)

RIGHT SIDE VIEW

INSTALLATION HANGERS

LEVELING ADJUSTMENT NUT (4)

CEILING

AIR OUTLET

DIFFUSER PANEL

AIR INLET

AIR OUTLET

23-5/8 (600) (Ceiling Opening)

SIDE VIEW

25-1/2 (648)

25-1/2 (648)

BOTTOM VIEW (Panel)

D33C124S4

GAS PIPE

LIQUID PIPE

Fresh Air Intake
(NOTE - Not Used)

LEFT SIDE VIEW

8-1/8 (206)

30-3/4 (781)

33-1/8 (841)

26-3/4 (679)

33-1/8 (841)

BOTTOM VIEW (Body)

DRAIN CONNECTION

RIGHT SIDE VIEW

AIR OUTLET

DIFFUSER PANEL

AIR INLET

AIR OUTLET

SIDE VIEW

37-3/8 (949)

37-3/8 (949)

BOTTOM VIEW (Panel)

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

MOUNTING
LUGS (4)

ELECTRICAL
CONTROL
BOX

P

N

TOP VIEW

[1] FRESH AIR INTAKE
3-5/8 (92) Diameter (009 thru 018)
5 (127) Diameter (024 thru 048)

MOUNTING
LUGS (4)

E

SUPPLY AIR
OPENING

J   B

H   G   F

D   A

C

SIDE VIEW   **FRONT VIEW**

[1] NOTE - Outdoor air enters unit AFTER air filter.

LIQUID
PIPE

GAS
PIPE

CONVENTIONAL DRAIN
CONNECTION
(Alternate Location)

CONVENTIONAL
DRAIN
CONNECTION

CONDENSATE
PUMP DRAIN
CONNECTION

OPTIONAL BOTTOM
RETURN AIR OPENING

AIR FILTER

M

ELECTRICAL
CONTROL
BOX

BOTTOM VIEW

RETURN AIR
OPENING

L

K

AIR FILTER

REAR VIEW

SIZE	A		B		C		D		E		F		G		H	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
009 thru 012	27-5/8	702	7-7/8	200	19-7/8	505	17-3/4	451	30-3/4	781	5-3/8	137	21-1/8	537	1-1/8	29
018	34-5/8	879	8-1/4	210	26-1/2	673	23-5/8	600	37-7/8	962	5-1/2	140	27-3/4	705	2	51
024	43-1/4	1099	9-3/4	248	30-1/2	775	27-1/2	699	46-1/2	1181	5-1/2	140	36-1/2	927	2	51

SIZE	J		K		L		M		N		P	
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
009 thru 012	6	152	23-5/8	600	7-3/8	187	2	51	29-1/8	740	14-1/8	359
018	5-3/8	137	30-3/4	781	7-1/2	191	1-5/8	41	36-1/4	921	20	508
024	6-7/8	175	39-3/8	1000	9	229	1/4	6	44-7/8	1140	23-1/2	597

INSTALLATION CLEARANCES - OUTDOOR UNITS - INCHES (MM)

24 (610)

12 (305)

24 (610)

Air Inlet

[1] 12 (305)

79 (2007)

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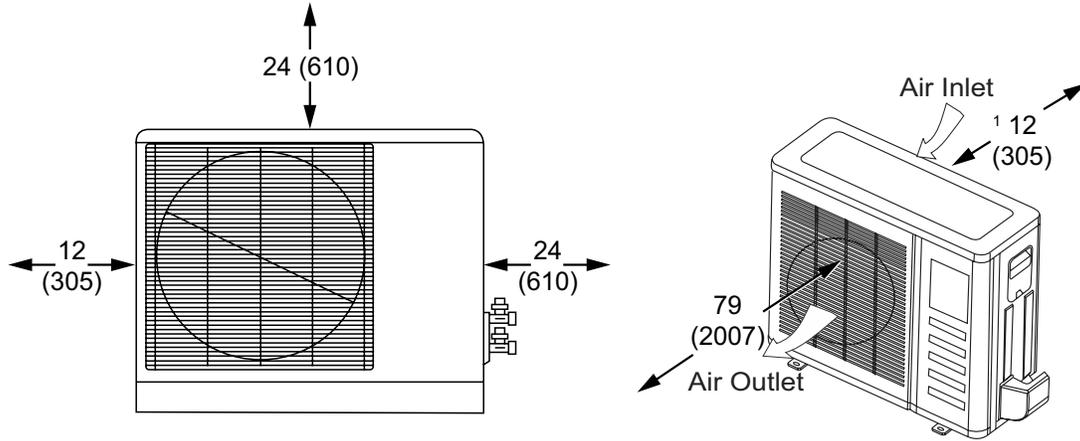
[1] Minimum rear clearance can be 6 inches (152 mm) when mounted on brackets and with no obstructions on the other three sides.

Height of Wall (C)

Unit to Wall (B)

AIR FLOW

118 (2997) (Minimum)

24 (610) (Minimum)

60 (1500) (Minimum)

10 (254) (Minimum)

10 (254) (Minimum)

AIR FLOW

Unit Height (A)
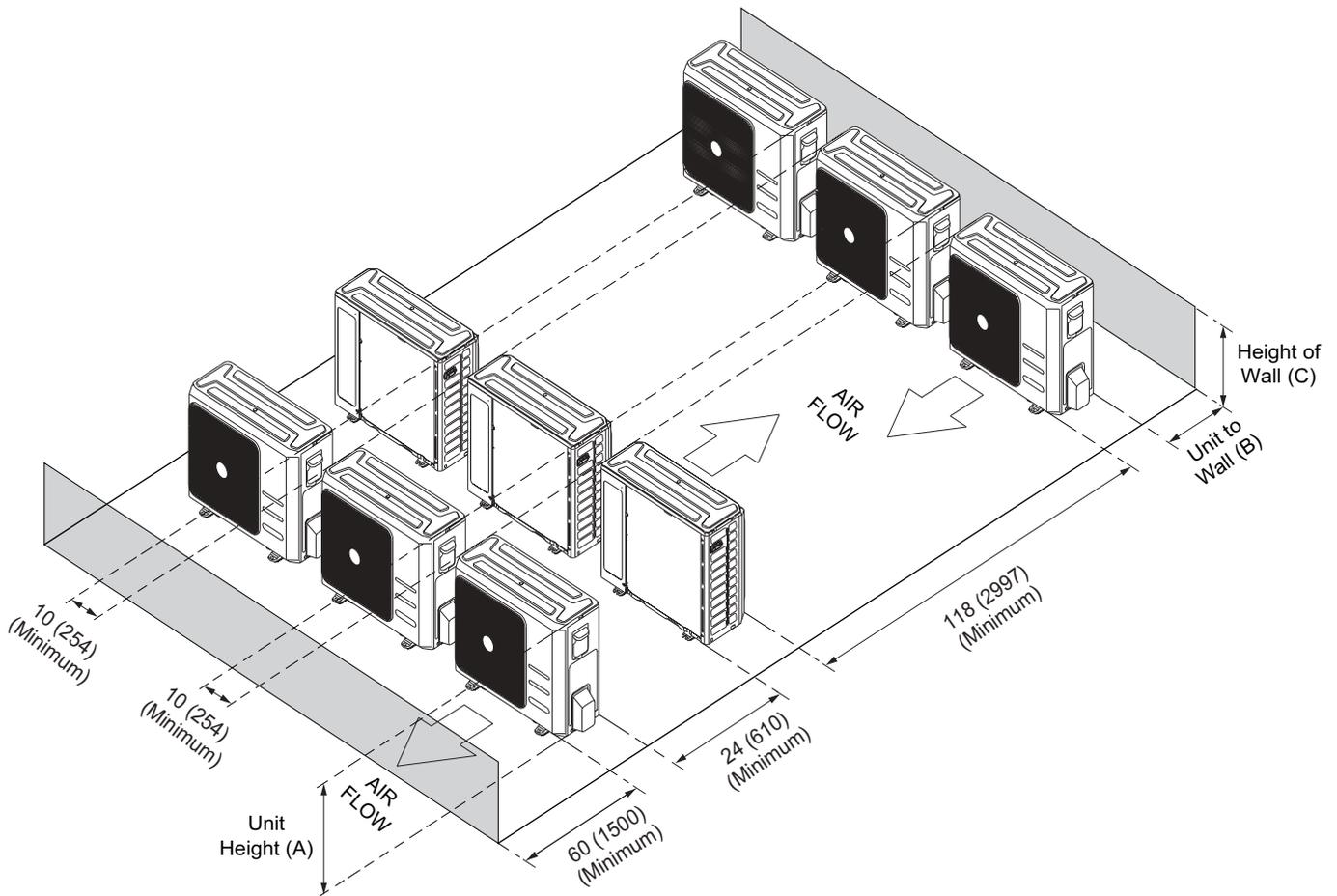
CLEARANCE NOTES FOR MULTIPLE UNITS:

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).

INSTALLATION CLEARANCES - WALL-MOUNTED INDOOR UNITS - INCHES (MM)

WALL   WALL

Vertical Clearance - Clearance to Ceiling - 6 inches (152 mm) Minimum

5
(127)
Minimum

5
(127)
Minimum

FRONT VIEW
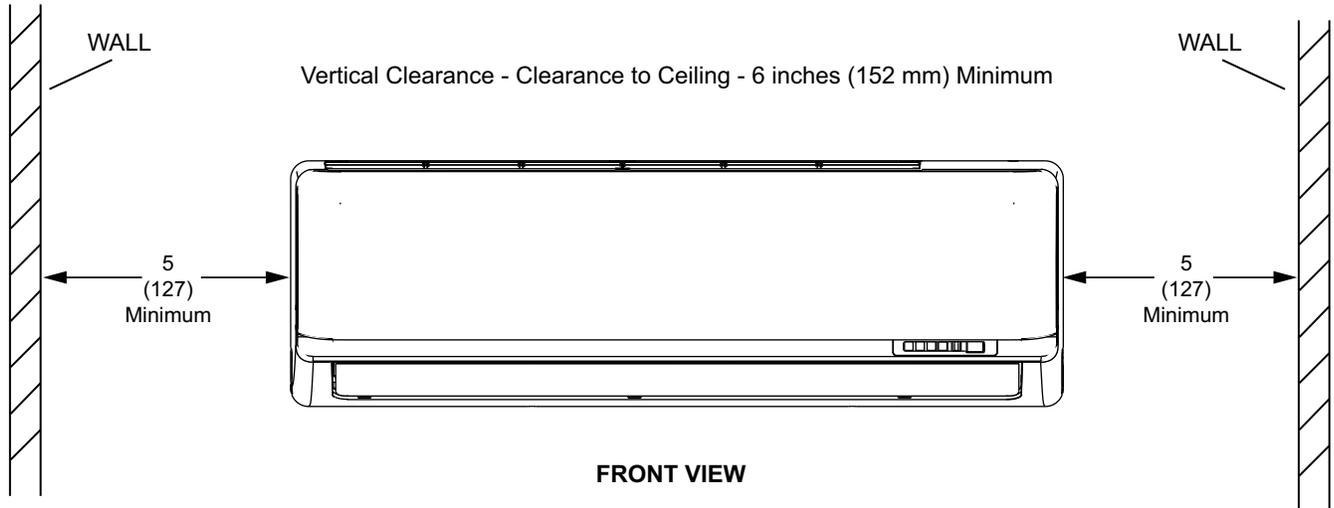
Vertical Clearance - Clearance to Floor - 72 inches (1829 mm) Minimum
NOTE - Provide 96 inches (2438) clearance to floor for best performance

INSTALLATION CLEARANCES - CASSETTE INDOOR UNITS - INCHES (MM)

36
(914)

36
(914)

36
(914)

36
(914)
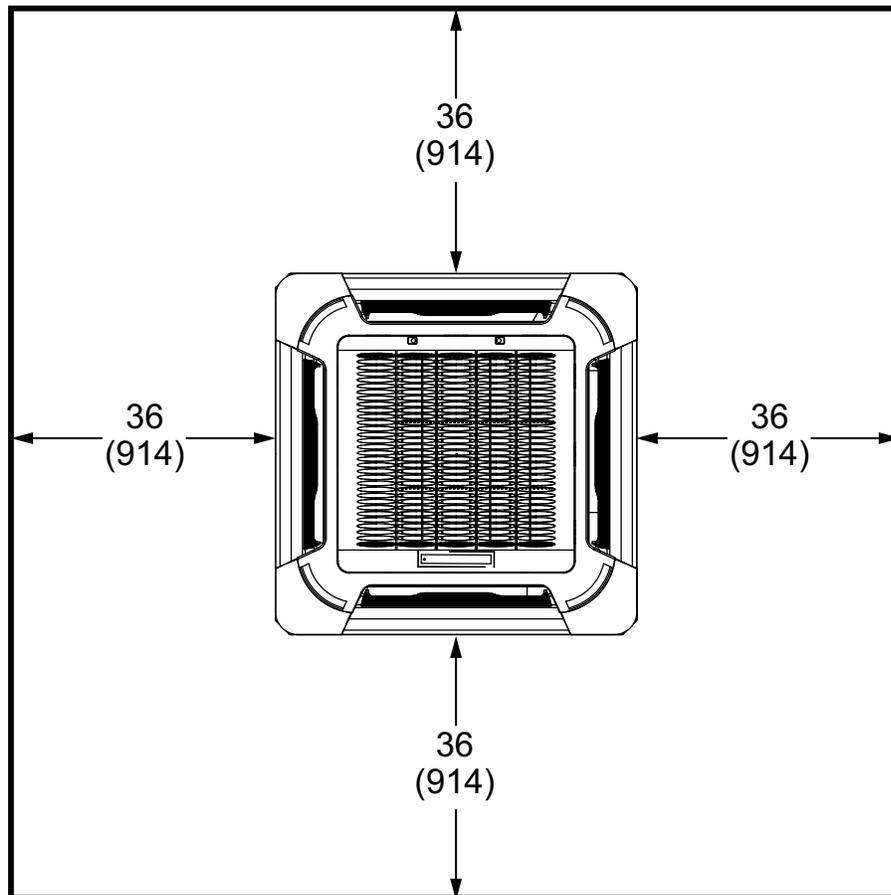
Minimum Vertical Clearances:
Minimum Clearance from Structural Ceiling to Drop Ceiling - 10-1/4 inches (260 mm)
Minimum Clearance to Floor - 98-1/2 inches (2500 mm)

INSTALLATION CLEARANCES - MEDIUM STATIC DUCTED INDOOR UNITS - INCHES (MM)

Wall

20 (508) Minimum Service Clearance (rear)

Air

Flow

MEDIUM
STATIC
DUCTED
UNIT

* See footnote

24 (610) Minimum
Service Clearance (front)

Wall

24 (610)
Minimum
Service
Clearance

TOP VIEW

Ceiling

1 (25) Minimum Clearance (top)

* 1 (25) Minimum Clearance (bottom)

Suspended Ceiling
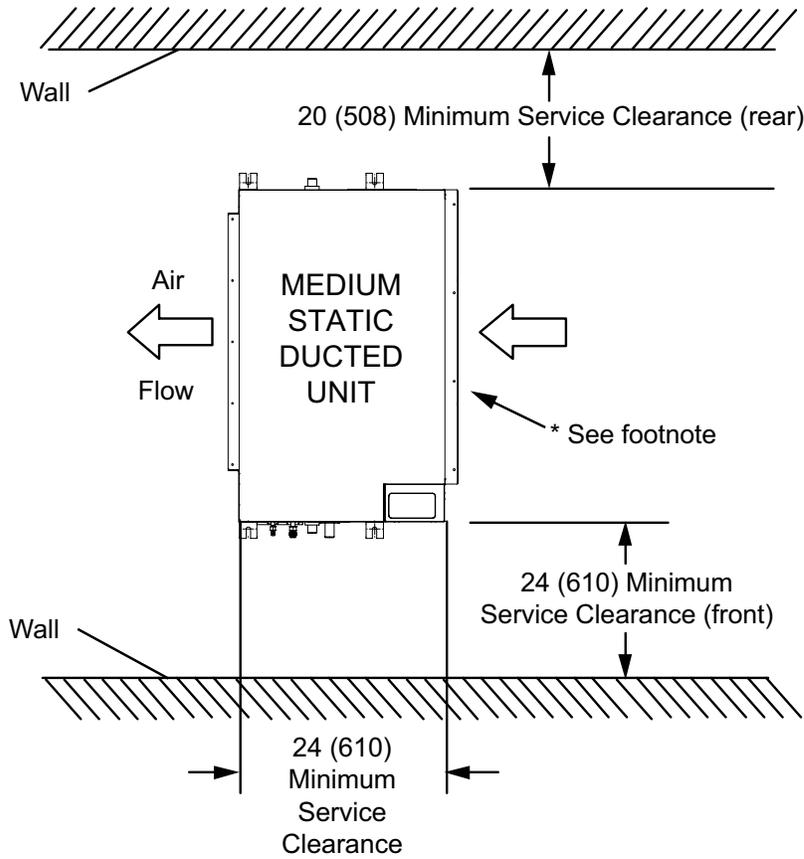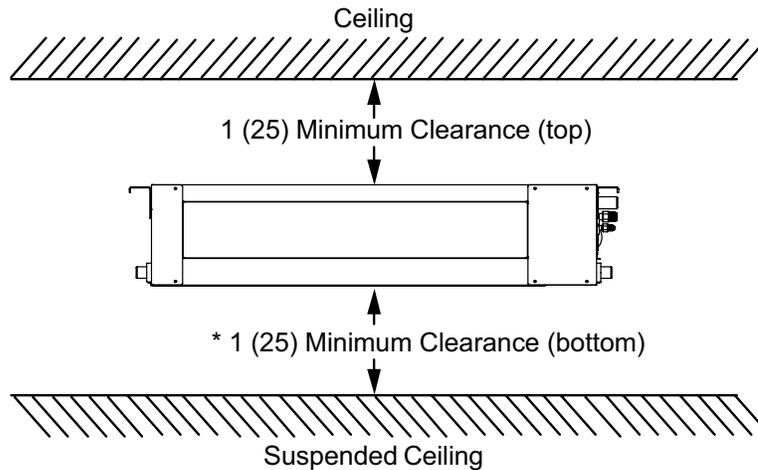
*** NOTE - Bottom unit clearance can be 1 inch (25 mm),
but allow 12 inches for filter removal on end
return air applications**

FRONT VIEW

LINE SET AND ELEVATION GUIDELINES

INDOOR UNIT

INDOOR UNIT

INDOOR UNIT

Maximum Elevation - Outdoor Unit BELOW Indoor Units   49 ft. (15 m)

NOTE - Minimum Line Set Length - 10 ft. (3 m) per Indoor Unit

NOTE - Maximum Line Set Length Includes ALL piping in measurement

Maximum Line Set Furthest Indoor Unit

NOTE - Maximum Difference in Elevation Between Indoor Units - 33 ft. (10 m).

OUTDOOR UNIT

Maximum Elevation - Outdoor Unit ABOVE Indoor Unit   49 ft. (15 m)

INDOOR UNIT

INDOOR UNIT

OUTDOOR UNIT MODEL NO.	4DHP1S18M	4DHP1S30M	4DHP1S36M	4DHP1S48M
Maximum Number of Indoor Units/Zones	Two	Three	Four	Five
Indoor Unit Connections	(2) 1/4 liq. (2) 3/8 gas	(3) 1/4 liq. (3) 3/8 gas	(4) 1/4 liq. (3) 3/8 gas (1) 1/2 gas	(5) 1/4 liq. (3) 3/8 gas (2) 1/2 gas
Maximum Pipe Length for all Rooms	131 ft. (40 m)	197 ft. (60 m)	262 ft. (80 m)	262 ft. (80 m)
Maximum Line Set Length - Furthest Indoor Unit	82 ft. (25 m)	98 ft. (30 m)	115 ft. (35 m)	115 ft. (35 m)
NOTE - Refer to "Connections and Line Set Usage" tables starting on page 27 for correct line set usage and correct refrigerant line adaptors furnished with outdoor units.				

SPECIFICATIONS - OUTDOOR UNITS

MODEL NUMBER		4DHP1S18M			4DHP1S30M			4DHP1S36M			4DHP1S48M		
NOMINAL SIZE- TONS		1.5			2.5			3			4		
NUMBER OF ZONES		2			UP TO 3			UP TO 4			UP TO 5		
	SYSTEM TYPE	Ducted	Non-Ducted	Mixed Ducted	Ducted	Non-Ducted	Mixed Ducted	Ducted	Non-Ducted	Mixed Ducted	Ducted	Non-Ducted	Mixed Ducted
AHRI RATINGS	COOLING - BTUH	18,000	18,000	18,000	27,000	28,000	27,600	36,000	36,000	36,000	48,000	48,000	48,000
	HEATING (47F) - BTUH	18,500	19,000	18,600	27,000	28,000	27,600	36,000	36,000	36,200	50,000	48,000	49,000
	HEATING (17F) - BTUH	11,400	12,000	11,633	16,200	17,200	17,000	22,800	24,600	23,466	33,000	29,600	32,200
	SEER	18.4	22.5	19.8	18.5	23	20.83	17.9	22.5	20.47	17.6	22.4	20.17
	EER	11.8	12.5	12.03	11	12.5	11.5	10	11.5	10.5	10.1	12.5	10.9
	HSPF (REGION IV)	9.4	10.3	9.9	9	10.3	9.77	9.7	10.2	9.97	10.1	10.2	10.6
AMBIENT TEMP. OPERATING RANGE-°F	COOLING	-13 - 122											
	HEATING	-13 - 86											
SOUND DATA dBA	COOLING	62			63			62			64		
	HEATING	62			63			62			64		
REFRIGERANT	CHARGE FURNISHED (R410A) - OZ.	4 lbs. 7 oz.			6 lbs. 3 oz.			6 lbs. 10 oz.			10 lbs. 2 oz.		
	MAX LINE LENGTH - FT.	25											
	CHARGE REQUIRED/ ADDITIONAL FT. - OZ.	0.161									0.32		
COMPRESSOR	TYPE	(1) Rotary									(1) Twin Rotary		
	REFRIGERANT OIL TYPE	VG74											
	REFRIGERANT OIL CHARGE - OZ.	16.9			22.7			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. REFRIGERANT PIPE LENGTH FOR ALL ROOMS - FT.	131			197			262					
	MAX. REFRIGERANT PIPE LENGTH FOR ONE INDOOR UNIT - FT.	82			98			115					
	MAX. HEIGHT DIFFERENCE BETWEEN INDOOR AND OUTDOOR UNITS - FT.	49											
	MAX. HEIGHT DIFFERENCE BETWEEN INDOOR UNITS - FT.	33											
OUTDOOR FAN	(NO.) DIAMETER - IN.	(1) - 19			(1) - 20						(2) - 22		
	TOTAL AIR VOLUME - CFM	1390			2130						4500		
	RPM	150/200/250/300/350/ 450/550/650/800/850			150/200/250/300/400/ 500/600/750/900/1000			150/200/250/300/400/ 500/600/750/900/1000			150/200/250/300/400/ 500/600/700/800/870		

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.

NOTE - Per AHRI, the certified ratings for systems are valid for all combinations of indoor units with the specific outdoor units listed above and in the AHRI Directory of Certified Equipment. Please visit http://www.ahridirectory.org for further details and latest updates.

NOTE - Ratings are AHRI certified to AHRI Standard 1230-2010 with Addendum 2;

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

SPECIFICATIONS CONT. - OUTDOOR UNITS

MODEL NUMBER		4DHP1S18M	4DHP1S30M	4DHP1S36M	4DHP1S48M
NOMINAL SIZE- TONS		1.5	2.5	3	4
NUMBER OF ZONES		2	UP TO 3	UP TO 4	UP TO 5
OUTDOOR COIL	NUMBER OF ROWS	2			
	FINS PER INCH	18	17	19	18
	FIN TYPE	Hydrophilic Aluminum			
	TUBE OUTSIDE DIAMETER - IN.	3/8			
	TUBE TYPE	Rifled Copper Tubing			
	NET FACE AREA - SQ. FT.	5.19	8.24	8.16	6.43 (inner coil) / 6.97 (outer coil)
APPLICATION AREA - SQ. FT.		260 - 375	430 - 630	515 - 755	690 - 1010
DESIGN PRESSURE - PSIG		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			
[1]MAXIMUM OVERCURRENT PROTECTION (AMPS)		25	35	45	50
[2]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
	OUTPUT - W	50	120		(2) 85

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.

NOTE - Per AHRI, the certified ratings for systems are valid for all combinations of indoor units with the specific outdoor units listed above and in the AHRI Directory of Certified Equipment. Please visit http://www.ahridirectory.org for further details and latest updates.

NOTE - Ratings are AHRI certified to AHRI Standard 1230-2010 with Addendum 2;
  • Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F dry bulb/75°F wet bulb outdoor air temperature.
  • High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.
  • Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

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	64	72
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	370/270/195	370/275/200	530/410/295	695/625/485
SOUND DATA (DBA)	HIGH/MED/LOW	41.7/33.4/26.5	45.1/35.8/28.6	46.2/36.3/30.9	51.7/44.5/35.1
CONNECTIONS (IN.)	LIQUID/GAS - O.D. - FLARE	1/4" / 3/8"	1/4" / 1/2"		3/8" / 5/8"
	DRAIN - O.D.	1"			
WEIGHT (LBS.)	NET/ PACKAGING	20 / 26	20 / 27	27 / 35	40 / 54

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	1.0	1.5	2.0
	INPUT (W)	45	45	45	58
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	375/300/255	380/310/260	560/485/415	700/635/575
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"		3/8" / 5/8"
	DRAIN - O.D.	1"			1 - 1/4"
WEIGHT (LBS.)	NET/ SHIPPING	32 / 38	36 / 41	36 / 42	47 / 55
ACCESSORY INFORMATION					
CASSETTE PANEL	CATALOG #	1.861055		1.861054	
	NET/ SHIPPING WEIGHT (LBS.)	6 / 10		12 / 18	

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

MODEL NUMBER		DMD209S4-1P	DMD212S4-1P	DMD218S4-1P	DMD224S4-1P
NOMINAL SIZE- TONS		0.75	1	1.5	2
ELECTRICAL CHARACTERISTICS	60 HZ - 1 PHASE	208/230V			
	RATED LOAD AMPS	1.11		1.2	1.5
	INPUT (W)	100		96	
ROOM TEMP RANGE (°F)	COOLING	62 -90			
	HEATING	32 - 86			
AIR VOLUME (CFM)	HIGH/MED/LOW	340/270/165		505/430/350	735/660/415
EXTERNAL STATIC PRESSURE (IN. W.G)		0 - 0.16		0 - 0.40	0 - 0.64
SOUND DATA (DBA)	HIGH/MED/LOW	38/32/25	38/33.5/26	39/37/35	44/41/36
CONNECTIONS (IN.)	LIQUID/GAS - O.D. - FLARE	1/4" / 3/8"	1/4" / 1/2"		3/8" / 5/8"
	DRAIN - O.D.	1"			
WEIGHT (LBS.)	NET/ SHIPPING	38 / 49		54 / 66	87 / 103

SOUND LEVELS - TEST CONDITIONS

Outdoor Unit

Microphone

H

39-3/8 in.
(1000 mm)

Note: H= 0.5 × height of outdoor unit

Cassette Unit

55 in. (1397 mm)

Microphone

Wall-Mount Unit

39-3/8 in.   Microphone
(1000 mm)

59 in. (1500 mm)

Medium Static Ducted Unit

Duct	AIR FLOW	Duct

55 in. (1397 mm)

Microphone
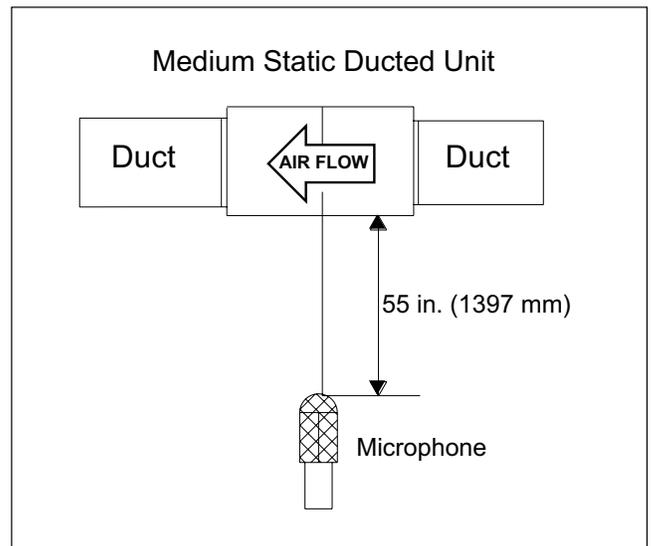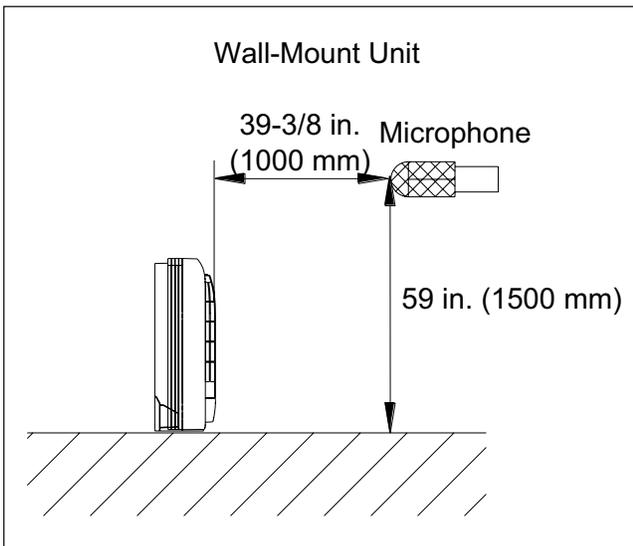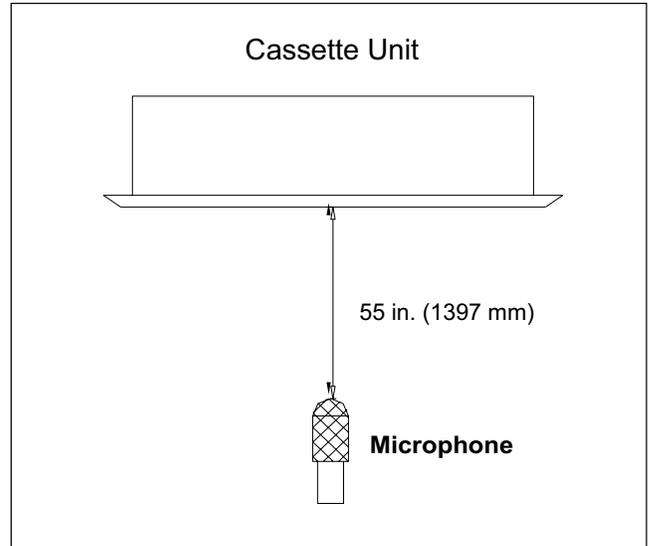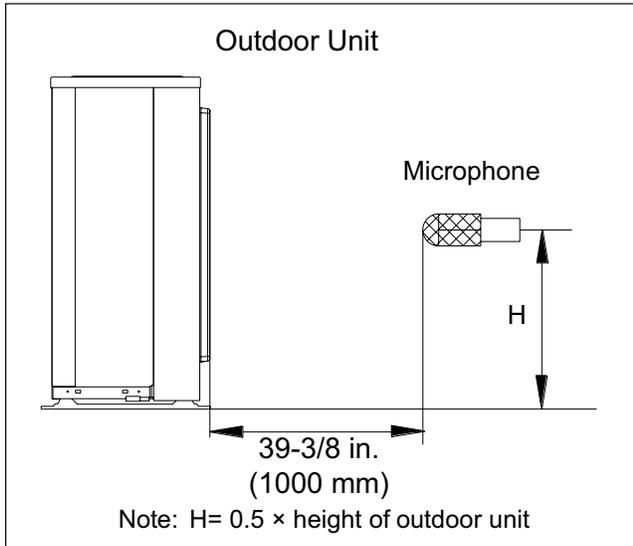
MULTI-ZONE SYSTEM COMBINATIONS

NOTE - FOR MULTI-ZONE SYSTEMS, THE TOTAL CAPACITY OF ALL INDOOR UNITS MUST BE 66% TO 133% OF THE OUTDOOR UNIT CAPACITY.

OUTDOOR UNIT MODEL NO.	NUMBER OF ZONES	INDOOR UNIT CAPACITY					NOMINAL COOLING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)					NOMINAL HEATING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
4DHP1S18M	[1] 1	012	- - -	- - -	- - -	- - -	9,000	- - -	- - -	- - -	- - -	9,500	- - -	- - -	- - -	- - -
	2	009	009	- - -	- - -	- - -	9,000	9,000	- - -	- - -	- - -	9,500	9,500	- - -	- - -	- - -
		009	012	- - -	- - -	- - -	8,500	10,500	- - -	- - -	- - -	9,000	11,000	- - -	- - -	- - -
		012	012	- - -	- - -	- - -	9,500	9,500	- - -	- - -	- - -	10,000	10,000	- - -	- - -	- - -
4DHP1S30M	[1] 1	018	- - -	- - -	- - -	- - -	16,600	- - -	- - -	- - -	- - -	18,000	- - -	- - -	- - -	- - -
	2	009	009	- - -	- - -	- - -	9,500	9,500	- - -	- - -	- - -	10,000	10,000	- - -	- - -	- - -
		009	012	- - -	- - -	- - -	9,500	12,000	- - -	- - -	- - -	10,000	13,000	- - -	- - -	- - -
		009	018	- - -	- - -	- - -	8,400	16,600	- - -	- - -	- - -	9,000	18,000	- - -	- - -	- - -
		012	012	- - -	- - -	- - -	12,000	12,000	- - -	- - -	- - -	13,000	13,000	- - -	- - -	- - -
		012	018	- - -	- - -	- - -	10,000	15,000	- - -	- - -	- - -	11,200	16,800	- - -	- - -	- - -
		018	018	- - -	- - -	- - -	14,000	14,000	- - -	- - -	- - -	15,000	15,000	- - -	- - -	- - -
	3	009	009	009	- - -	- - -	9,000	9,000	9,000	- - -	- - -	9,500	9,500	9,500	- - -	- - -
		009	009	012	- - -	- - -	8,667	8,667	11,667	- - -	- - -	9,500	9,500	12,000	- - -	- - -
		009	012	012	- - -	- - -	8,500	10,500	10,500	- - -	- - -	8,500	11,000	11,000	- - -	- - -
		009	009	018	- - -	- - -	8,300	8,300	13,500	- - -	- - -	8,500	8,500	14,500	- - -	- - -
		012	012	012	- - -	- - -	10,000	10,000	10,000	- - -	- - -	10,667	10,667	10,667	- - -	- - -
4DHP1S36M	2	009	009	- - -	- - -	- - -	10,000	10,000	- - -	- - -	- - -	10,500	10,500	- - -	- - -	- - -
		009	012	- - -	- - -	- - -	9,500	12,000	- - -	- - -	- - -	10,000	13,000	- - -	- - -	- - -
		009	018	- - -	- - -	- - -	9,500	17,500	- - -	- - -	- - -	10,000	18,000	- - -	- - -	- - -
		009	024	- - -	- - -	- - -	9,000	24,000	- - -	- - -	- - -	10,000	25,000	- - -	- - -	- - -
		012	012	- - -	- - -	- - -	12,000	12,000	- - -	- - -	- - -	13,000	13,000	- - -	- - -	- - -
		012	018	- - -	- - -	- - -	12,000	18,000	- - -	- - -	- - -	13,000	18,000	- - -	- - -	- - -
		012	024	- - -	- - -	- - -	11,000	23,000	- - -	- - -	- - -	12,000	24,000	- - -	- - -	- - -
		018	018	- - -	- - -	- - -	16,500	16,500	- - -	- - -	- - -	17,000	17,000	- - -	- - -	- - -
	3	009	009	009	- - -	- - -	9,333	9,333	9,333	- - -	- - -	9,667	9,667	9,667	- - -	- - -
		009	009	012	- - -	- - -	9,000	9,000	12,000	- - -	- - -	9,500	9,500	12,500	- - -	- - -
		009	009	018	- - -	- - -	8,000	8,000	16,000	- - -	- - -	8,500	8,500	17,000	- - -	- - -
		009	012	012	- - -	- - -	8,500	11,500	11,500	- - -	- - -	9,000	12,000	12,000	- - -	- - -
		009	012	018	- - -	- - -	8,000	11,000	15,000	- - -	- - -	8,500	11,500	16,000	- - -	- - -
		009	018	018	- - -	- - -	8,000	14,000	14,000	- - -	- - -	8,500	14,500	14,500	- - -	- - -
		012	012	012	- - -	- - -	11,333	11,333	11,333	- - -	- - -	12,000	12,000	12,000	- - -	- - -
		012	012	018	- - -	- - -	11,000	11,000	14,000	- - -	- - -	12,000	12,000	15,000	- - -	- - -
		012	018	018	- - -	- - -	9,333	13,333	13,333	- - -	- - -	10,000	14,500	14,500	- - -	- - -
		012	012	024	- - -	- - -	8,000	8,000	20,000	- - -	- - -	9,000	9,000	21,000	- - -	- - -
	4	009	009	009	009	- - -	9,000	9,000	9,000	9,000	- - -	9,500	9,500	9,500	9,500	- - -
		009	009	009	012	- - -	8,500	8,500	8,500	11,500	- - -	9,000	9,000	9,000	12,000	- - -
		009	009	009	018	- - -	8,000	8,000	8,000	14,000	- - -	8,500	8,500	8,500	14,000	- - -
		009	009	012	012	- - -	8,000	8,000	10,500	10,500	- - -	8,500	8,500	11,000	11,000	- - -
		009	009	012	018	- - -	7,500	7,500	9,000	14,000	- - -	8,000	8,000	9,500	14,500	- - -
		009	012	012	012	- - -	7,000	10,000	10,000	10,000	- - -	8,000	10,500	10,500	10,500	- - -
		012	012	012	012	- - -	9,500	9,500	9,500	9,500	- - -	10,000	10,000	10,000	10,000	- - -

[1] One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

NOTE - FOR MULTI-ZONE SYSTEMS, THE TOTAL CAPACITY OF ALL INDOOR UNITS MUST BE 66% TO 133% OF THE OUTDOOR UNIT CAPACITY.

OUTDOOR UNIT MODEL NO.	NUMBER OF ZONES	INDOOR UNIT CAPACITY					NOMINAL COOLING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)					NOMINAL HEATING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
4DHP1S48M	2	009	018	- - -	- - -	- - -	9,500	18,000	- - -	- - -	- - -	10,000	18,000	- - -	- - -	- - -
		009	024	- - -	- - -	- - -	9,500	24,000	- - -	- - -	- - -	10,000	25,000	- - -	- - -	- - -
		012	012	- - -	- - -	- - -	12,500	12,500	- - -	- - -	- - -	13,000	13,000	- - -	- - -	- - -
		012	018	- - -	- - -	- - -	12,000	18,000	- - -	- - -	- - -	13,000	19,000	- - -	- - -	- - -
		012	024	- - -	- - -	- - -	12,000	24,000	- - -	- - -	- - -	10,000	25,000	- - -	- - -	- - -
		018	018	- - -	- - -	- - -	18,500	18,500	- - -	- - -	- - -	19,000	19,000	- - -	- - -	- - -
		018	024	- - -	- - -	- - -	17,500	22,500	- - -	- - -	- - -	18,000	23,000	- - -	- - -	- - -
		024	024	- - -	- - -	- - -	21,000	21,000	- - -	- - -	- - -	22,000	22,000	- - -	- - -	- - -
	3	009	009	009	- - -	- - -	9,500	9,500	9,500	- - -	- - -	11,000	11,000	11,000	- - -	- - -
		009	009	012	- - -	- - -	9,500	9,500	12,000	- - -	- - -	10,000	10,000	13,000	- - -	- - -
		009	009	018	- - -	- - -	9,500	9,500	18,000	- - -	- - -	10,000	10,000	19,000	- - -	- - -
		009	009	024	- - -	- - -	9,000	9,000	22,500	- - -	- - -	9,500	9,500	23,500	- - -	- - -
		009	012	012	- - -	- - -	9,500	12,500	12,500	- - -	- - -	10,000	10,000	13,000	- - -	- - -
		009	012	018	- - -	- - -	9,000	12,000	18,000	- - -	- - -	9,500	9,500	19,000	- - -	- - -
		009	012	024	- - -	- - -	9,000	12,000	21,500	- - -	- - -	9,500	12,500	22,000	- - -	- - -
		009	018	018	- - -	- - -	9,000	18,000	18,000	- - -	- - -	9,500	18,500	18,500	- - -	- - -
		009	018	024	- - -	- - -	8,500	15,500	21,000	- - -	- - -	9,000	16,000	21,500	- - -	- - -
		009	024	024	- - -	- - -	8,000	20,000	20,000	- - -	- - -	8,500	21,000	21,000	- - -	- - -
		012	012	012	- - -	- - -	12,000	12,000	12,000	- - -	- - -	13,000	13,000	13,000	- - -	- - -
		012	012	018	- - -	- - -	12,000	12,000	17,000	- - -	- - -	12,500	12,500	18,000	- - -	- - -
		012	018	018	- - -	- - -	11,000	16,500	16,500	- - -	- - -	11,500	17,000	17,000	- - -	- - -
		012	012	024	- - -	- - -	11,000	11,000	22,000	- - -	- - -	11,500	11,500	23,000	- - -	- - -
		012	018	024	- - -	- - -	10,500	15,500	21,500	- - -	- - -	11,000	16,000	22,000	- - -	- - -
		012	024	024	- - -	- - -	10,000	20,000	20,000	- - -	- - -	11,000	20,500	20,500	- - -	- - -
		018	018	018	- - -	- - -	16,000	16,000	16,000	- - -	- - -	16,500	16,500	16,500	- - -	- - -
		018	018	024	- - -	- - -	15,000	15,000	20,000	- - -	- - -	15,500	15,500	21,000	- - -	- - -

[1] One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

NOTE - FOR MULTI-ZONE SYSTEMS, THE TOTAL CAPACITY OF ALL INDOOR UNITS MUST BE 66% TO 133% OF THE OUTDOOR UNIT CAPACITY.

OUTDOOR UNIT MODEL NO.	NUMBER OF ZONES	INDOOR UNIT CAPACITY					NOMINAL COOLING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)					NOMINAL HEATING CAPACITY AT RATED SYSTEM CAPACITY (BTUH)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
4DHP1S48M	4	009	009	009	009	- - -	9,250	9,250	9,250	9,250	- - -	9,500	9,500	9,500	9,500	- - -
		009	009	009	012	- - -	9,000	9,000	9,000	12,000	- - -	9,500	9,500	9,500	12,500	- - -
		009	009	009	018	- - -	9,000	9,000	9,000	17,000	- - -	9,500	9,500	9,500	17,500	- - -
		009	009	009	024	- - -	8,500	8,500	8,500	20,500	- - -	9,000	9,000	9,000	21,000	- - -
		009	009	012	012	- - -	9,000	9,000	12,000	12,000	- - -	9,500	9,500	13,000	13,000	- - -
		009	009	012	018	- - -	9,000	9,000	11,000	17,000	- - -	9,500	9,500	11,500	17,500	- - -
		009	009	012	024	- - -	8,500	8,500	10,500	20,500	- - -	9,000	9,000	11,100	21,000	- - -
		009	009	018	018	- - -	8,500	8,500	15,500	15,500	- - -	9,000	9,000	16,000	16,000	- - -
		009	009	018	024	- - -	8,000	8,000	14,500	20,000	- - -	8,500	8,500	15,000	20,000	- - -
		009	012	012	012	- - -	9,000	12,000	12,000	12,000	- - -	9,500	12,500	12,500	12,500	- - -
		009	012	012	018	- - -	9,000	11,000	11,000	16,000	- - -	9,500	11,500	11,500	16,500	- - -
		009	012	012	024	- - -	8,500	10,000	10,000	20,000	- - -	9,000	10,500	10,500	20,500	- - -
		009	012	018	018	- - -	8,500	10,000	15,000	15,000	- - -	9,000	10,500	15,500	15,500	- - -
		009	018	018	018	- - -	8,000	14,000	14,000	14,000	- - -	8,500	14,500	14,500	14,500	- - -
		012	012	012	012	- - -	12,000	12,000	12,000	12,000	- - -	12,500	12,500	12,500	12,500	- - -
		012	012	012	018	- - -	11,000	11,000	11,000	16,000	- - -	11,500	11,500	11,500	16,500	- - -
		012	012	012	024	- - -	10,000	10,000	10,000	20,000	- - -	10,500	10,500	10,500	20,500	- - -
		012	012	018	018	- - -	10,000	10,000	15,000	15,000	- - -	10,500	10,500	15,500	15,500	- - -
	5	009	009	009	009	009	9,000	9,000	9,000	9,000	9,000	9,500	9,500	9,500	9,500	9,500
		009	009	009	009	012	9,000	9,000	9,000	9,000	12,000	9,500	9,500	9,500	9,500	13,000
		009	009	009	009	018	8,500	8,500	8,500	8,500	16,000	9,000	9,000	9,000	9,000	16,500
		009	009	009	009	024	7,750	7,750	7,750	7,750	19,500	8,000	8,000	8,000	8,000	20,000
		009	009	009	012	012	9,000	9,000	9,000	11,500	11,500	9,500	9,500	9,500	12,000	12,000
		009	009	009	012	018	8,000	8,000	8,000	11,000	16,000	8,500	8,500	8,500	11,500	16,500
		009	009	009	018	018	8,000	8,000	8,000	11,000	16,000	8,500	8,500	8,500	16,500	16,500
		009	009	012	012	012	8,500	8,500	11,000	11,000	11,000	9,000	9,000	12,000	12,000	12,000
		009	009	012	012	018	8,500	8,500	10,000	10,000	15,000	8,500	8,500	10,500	10,500	15,500
		009	012	012	012	012	8,000	11,000	11,000	11,000	11,000	8,500	11,500	11,500	11,500	11,500
		009	012	012	012	018	7,500	10,000	10,000	10,000	14,500	8,000	10,500	10,500	10,500	15,000
		012	012	012	012	012	10,500	10,500	10,500	10,500	10,500	11,000	11,000	11,000	11,000	11,000

[1] One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

CONNECTIONS AND LINE SET USAGE

OUTDOOR MODEL	NO. OF ZONES	INDOOR UNIT CAPACITY (UNIT NO.)	LINE SET REQUIRED (LIQUID X GAS)
4DHP1S18M Indoor Unit A 1/4" liq + 3/8" gas Indoor Unit B 1/4" liq + 3/8" gas	1	012 (A)	[1] 1/4 in. x 1/2 in.
	2	009 (A)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	2	009 (B)	1/4 in. x 3/8 in.
		012 (A)	[1] 1/4 in. x 1/2 in.
	2	012 (A)	[1] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
4DHP1S30M Indoor Unit A 1/4" liq + 3/8" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas	1	018 (A)	[1] 1/4 in. x 1/2 in.
	2	009 (A)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	2	009 (B)	1/4 in. x 3/8 in.
		012 (A)	[1] 1/4 in. x 1/2 in.
	2	009 (B)	1/4 in. x 3/8 in.
		018 (A)	[1] 1/4 in. x 1/2 in.
	2	012 (A)	[1] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
	2	012 (B)	[1] 1/4 in. x 1/2 in.
		018 (A)	[1] 1/4 in. x 1/2 in.
	2	018 (A)	[1] 1/4 in. x 1/2 in.
		018 (B)	[1] 1/4 in. x 1/2 in.
	3	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.
	3	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		012 (A)	[1] 1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (A)	[1] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
	3	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		018 (A)	[1] 1/4 in. x 1/2 in.
	3	012 (A)	[1] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
4DHP1S36M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	2	009 (B)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	2	009 (B)	1/4 in. x 3/8 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	2	012 (A)	1/4 in. x 1/2 in.
		012 (B)	[1] 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)
4DHP1S36M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	2	012 (B)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	012 (B)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	2	018 (A)	1/4 in. x 1/2 in.
		018 (B)	[1] 1/4 in. x 1/2 in.
	3	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.
	3	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
	3	009 (B)	1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	[1] 1/4 in. x 1/2 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
	3	012 (C)	[1] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	012 (C)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	[1] 1/4 in. x 1/2 in.
	3	012 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	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.
		009 (A)	[1] 1/4 in. x 3/8 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)
4DHP1S36M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 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.
		012 (A)	1/4 in. x 1/2 in.
	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.
		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.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	[1] 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.
		012 (B)	[1] 1/4 in. x 1/2 in.
		018 (A)	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 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
	4	012 (A)	1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		012 (D)	[1] 1/4 in. x 1/2 in.
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	2	009 (B)	[1] 1/4 in. x 3/8 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	2	012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	012 (B)	1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	2	018 (A)	1/4 in. x 1/2 in.
		018 (B)	1/4 in. x 1/2 in.
	2	018 (B)	1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	2	024 (A)	[2,3] 3/8 in. x 5/8 in.
		024 (B)	[2,3] 3/8 in. x 5/8 in.
	3	009 (A)	[1] 1/4 in. x 3/8 in.
		009 (B)	[1] 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
	3	009 (B)	[1] 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.

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	3	009 (B)	[1] 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (B)	[1] 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	3	009 (C)	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.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (B)	1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
		024 (B)	[2,3] 3/8 in. x 5/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	012 (C)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	[1] 1/4 in. x 1/2 in.
	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	3	012 (B)	1/4 in. x 1/2 in.
		018 (C)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	3	012 (C)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
		024 (B)	[2,3] 3/8 in. x 5/8 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	3	018 (A)	1/4 in. x 1/2 in.
		018 (B)	1/4 in. x 1/2 in.
		018 (C)	[1] 1/4 in. x 1/2 in.
	3	018 (B)	1/4 in. x 1/2 in.
		018 (C)	[1] 1/4 in. x 1/2 in.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	4	009 (A)	[1] 1/4 in. x 3/8 in.
		009 (B)	[1] 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	009 (B)	[1] 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.
		012 (A)	1/4 in. x 1/2 in.
	4	009 (B)	[1] 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.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (B)	[1] 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.
		024 (A)	[2,3] 3/8 in. x 5/8 in.
	4	009 (C)	1/4 in. x 3/8 in.
		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.
		012 (B)	1/4 in. x 1/2 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.
		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.
		018 (B)	1/4 in. x 1/2 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] 1/4 in. x 1/2 in.
		012 (B)	[1] 1/4 in. x 1/2 in.
		012 (C)	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	4	009 (D)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (D)	1/4 in. x 3/8 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	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 (C)	[1] 1/4 in. x 1/2 in.
		012 (D)	[1] 1/4 in. x 1/2 in.
	4	012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		012 (D)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	5	009 (A)	[1] 1/4 in. x 3/8 in.
		009 (B)	[1] 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.
		009 (E)	1/4 in. x 3/8 in.
	5	009 (B)	[1] 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.
		009 (E)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
	5	009 (B)	[1] 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.
		009 (E)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	5	009 (B)	[1] 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.
		009 (E)	1/4 in. x 3/8 in.
		024 (A)	[2,3] 3/8 in. x 5/8 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.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	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 (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.
		012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	5	009 (D)	1/4 in. x 3/8 in.
		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.
		012 (C)	[1] 1/4 in. x 1/2 in.
	5	009 (D)	1/4 in. x 3/8 in.
		009 (E)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 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.
		012 (C)	[1] 1/4 in. x 1/2 in.
		012 (D)	[1] 1/4 in. x 1/2 in.
	5	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	[1] 1/4 in. x 1/2 in.
		012 (D)	[1] 1/4 in. x 1/2 in.
		012 (E)	[1] 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).

COOLING CAPACITY - 018

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	17.27	13.47	18.77	14.64	20.28	14.19	21.23	15.93
–5	18.18	14.18	19.76	15.41	21.34	14.93	22.35	16.77
–4	18.27	14.25	19.86	15.49	21.45	15.01	22.46	16.85
0	18.09	14.11	19.66	15.34	21.23	15.29	22.18	16.64
5	17.72	13.83	19.26	15.03	20.81	15.40	22.53	18.05
15	17.36	13.54	18.87	14.72	20.38	15.28	22.85	17.14
25	17.92	13.98	19.48	15.19	21.04	15.85	23.28	17.46
35	18.48	14.41	20.08	15.67	21.69	16.41	23.72	17.79
45	19.03	14.85	20.69	16.14	22.35	16.98	24.15	18.11
55	19.37	15.11	21.05	16.43	22.74	17.44	24.47	18.18
65	19.70	15.38	21.42	16.71	23.13	17.89	24.79	18.26
75	20.04	15.64	21.78	17.00	23.52	18.35	25.11	18.33
85	18.34	14.67	19.94	15.95	21.54	17.01	23.85	17.89
95	16.49	14.01	17.92	15.23	19.35	15.87	21.54	16.16
105	11.04	11.04	12.00	12.00	12.96	11.53	14.82	14.52
115	10.65	10.65	11.58	11.58	12.51	11.88	14.22	14.08
122	9.10	9.10	9.89	9.89	10.13	9.93	10.40	10.40

HEATING CAPACITY - 018

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	9.54	9.40	6.54	6.44
–5	11.60	11.43	7.69	7.57
0	12.54	12.35	8.14	8.02
5	13.98	13.77	9.66	9.52
17	19.21	18.92	13.02	12.79
19.4	19.46	19.17	15.94	15.70
24.8	20.59	20.28	17.13	16.87
32	20.74	20.43	18.93	18.65
35	21.67	21.34	19.66	19.37
39.2	23.23	22.88	21.33	21.01
44.6	24.79	24.41	23.00	22.66
47	25.82	25.43	23.96	23.60
53.6	26.94	26.54	26.27	25.88
57	27.35	26.94	26.67	26.27

COOLING CAPACITY - 030

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	28.49	19.95	30.97	21.68	33.45	23.41	35.12	24.59
–5	29.99	21.00	32.60	22.83	35.21	24.65	36.96	25.88
–4	30.14	21.10	32.76	22.94	35.39	24.77	37.15	26.01
0	29.97	20.99	32.58	22.81	35.19	24.63	37.24	26.07
5	29.99	20.99	32.60	22.82	35.21	24.65	37.08	25.96
15	29.58	20.71	32.15	22.51	34.72	24.31	37.51	26.26
25	29.76	20.84	32.35	22.65	34.94	24.46	37.57	26.30
35	29.95	20.97	32.55	22.79	35.15	24.61	37.62	26.34
45	30.13	21.10	32.75	22.93	35.37	24.76	37.68	26.38
55	30.03	21.87	32.65	23.78	35.26	25.27	37.63	26.57
65	29.94	22.65	32.54	24.62	35.15	25.77	37.58	26.76
75	29.84	23.43	32.44	25.47	35.04	26.28	37.53	26.95
85	24.78	20.99	26.94	22.82	29.10	23.86	35.39	26.08
95	22.50	19.96	24.46	21.70	26.42	22.72	32.75	25.06
105	18.38	17.87	19.98	19.42	21.58	19.42	24.71	22.09
115	16.16	15.83	17.56	17.21	18.96	18.02	23.96	23.84
122	14.21	14.21	15.45	15.45	16.69	16.52	20.15	20.05

HEATING CAPACITY - 030

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	14.95	14.73	10.94	10.78
–5	17.25	16.99	12.26	12.08
0	18.73	18.45	14.52	14.30
5	20.15	19.85	16.82	16.57
17	20.66	20.35	20.94	20.63
19.4	21.04	20.72	21.08	20.76
24.8	22.31	21.98	21.09	20.77
32	20.43	20.12	20.13	19.83
35	22.22	21.89	22.11	21.78
39.2	29.57	29.13	29.17	28.73
44.6	36.92	36.37	36.22	35.68
47	38.03	37.46	37.23	36.75
53.6	40.27	39.67	40.10	39.50
57	40.88	40.27	40.71	40.10

COOLING CAPACITY - 036

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	33.15	24.42	36.03	26.54	37.17	27.35	37.95	27.89
–5	34.90	25.70	37.93	27.94	39.12	28.79	39.95	29.36
–4	35.07	25.83	38.12	28.08	39.32	28.93	40.15	29.51
0	35.22	25.94	38.28	28.20	39.49	29.04	40.51	29.76
5	35.46	25.47	38.54	27.68	39.73	28.51	40.98	29.83
15	35.13	25.24	38.18	27.43	40.36	28.25	41.10	29.47
25	35.93	26.21	39.06	28.49	40.92	29.34	41.60	30.30
35	36.74	27.19	39.93	29.55	41.47	30.44	42.11	31.13
45	37.55	28.16	40.81	30.61	42.03	31.53	42.61	31.96
55	37.23	28.46	40.47	30.93	41.81	32.33	42.54	32.07
65	36.92	28.75	40.13	31.25	41.60	33.13	42.48	32.19
75	36.61	29.04	39.79	31.57	41.38	33.93	42.41	32.30
85	34.94	28.27	37.98	30.73	41.02	36.10	40.63	31.45
95	33.27	27.47	36.16	29.86	39.05	35.15	38.82	30.57
105	25.95	24.29	28.21	26.40	30.47	28.03	32.17	28.30
115	24.44	24.09	26.56	26.18	28.68	27.25	30.47	30.18
122	21.58	21.27	23.46	23.12	25.34	24.83	27.53	27.25

HEATING CAPACITY - 036

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	20.54	20.23	15.65	15.42
–5	22.52	22.18	17.05	16.79
0	24.84	24.47	19.02	18.73
5	26.33	25.94	21.31	20.99
17	30.77	30.31	26.67	26.27
19.4	31.06	30.59	27.13	26.72
24.8	32.46	31.97	31.86	31.38
32	34.15	33.64	33.96	33.45
35	36.09	35.55	36.08	35.54
39.2	37.28	36.72	36.65	36.10
44.6	38.47	37.89	37.21	36.65
47	39.24	38.65	37.95	37.38
53.6	41.26	40.64	39.67	39.07
57	41.89	41.26	40.27	39.67

COOLING CAPACITY - 048

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	36.74	25.72	39.94	27.96	43.13	31.49	51.18	39.10
–5	38.68	27.08	42.04	29.43	45.40	33.14	53.87	41.15
–4	38.87	27.21	42.25	29.58	45.63	33.31	54.14	41.36
0	39.11	27.38	42.51	29.76	45.91	33.51	54.68	41.01
5	38.52	26.97	41.87	29.31	45.22	33.01	54.58	42.12
15	37.94	26.56	41.24	28.87	44.54	32.51	55.15	42.11
25	38.16	27.10	41.48	29.46	44.80	33.31	55.67	42.25
35	38.39	27.65	41.73	30.05	45.07	34.10	56.20	42.40
45	38.61	28.19	41.97	30.64	45.33	34.90	56.72	42.54
55	38.46	30.21	41.80	32.84	45.15	35.66	57.90	43.71
65	38.31	32.24	41.64	35.04	44.97	36.41	59.08	44.87
75	38.15	34.26	41.47	37.24	44.79	37.17	60.26	46.04
85	36.17	33.91	39.32	36.86	42.47	36.10	56.82	44.49
95	33.36	32.69	36.26	35.53	39.16	34.07	53.16	42.79
105	30.33	30.33	32.97	32.97	35.61	32.05	40.95	37.95
115	27.47	27.47	29.86	29.86	32.25	32.25	38.57	38.57
122	24.42	24.42	26.54	26.54	28.66	28.66	35.24	35.24

HEATING CAPACITY - 048

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	23.94	23.58	15.64	15.33
–5	25.31	24.93	17.45	17.10
0	27.13	26.72	24.88	24.38
5	29.48	29.04	24123	25.60
17	33.67	33.16	30.07	29.47
19.4	34.15	33.64	30.42	29.81
24.8	36.61	36.06	35.94	35.22
32	40.56	39.95	38.56	37.79
35	44.08	43.42	42.09	41.25
39.2	50.41	49.66	48.96	47.98
44.6	56.74	55.89	55.83	54.71
47	57.87	57.01	56.95	55.80
53.6	66.65	65.65	64.75	63.46
57	67.67	66.65	65.74	64.43

AIR THROW DATA - WALL-MOUNTED INDOOR UNITS

DWM109S4 - COOLING
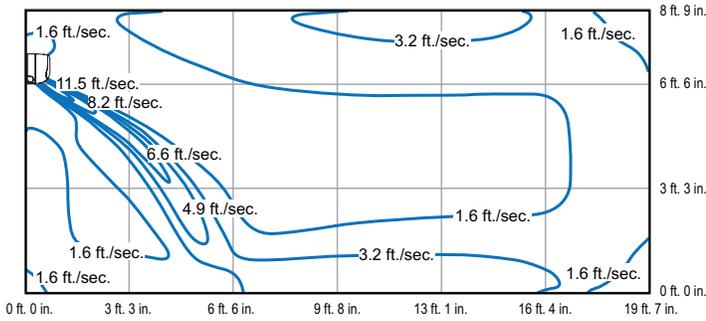
DWM109S4 - HEATING
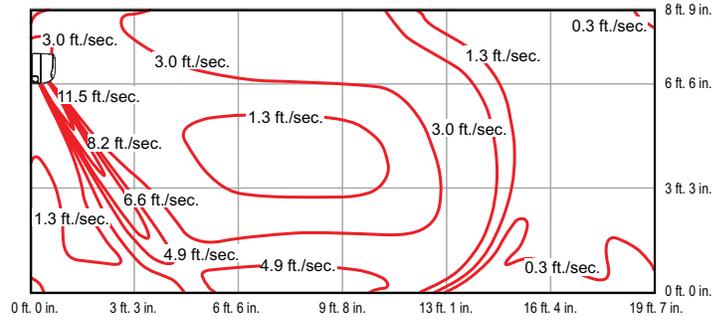
DWM112S4 - COOLING
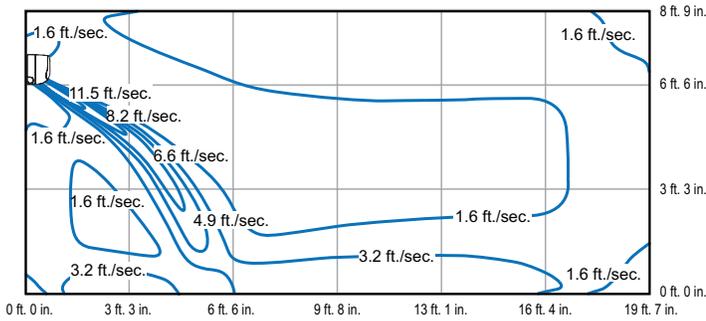
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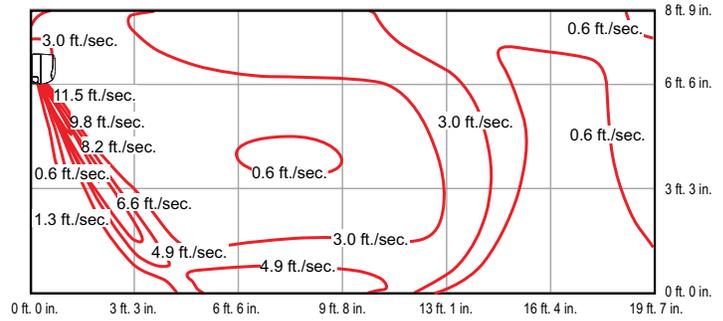
DWM118S4 - COOLING
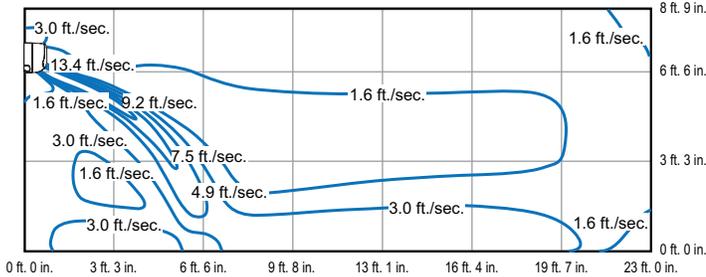
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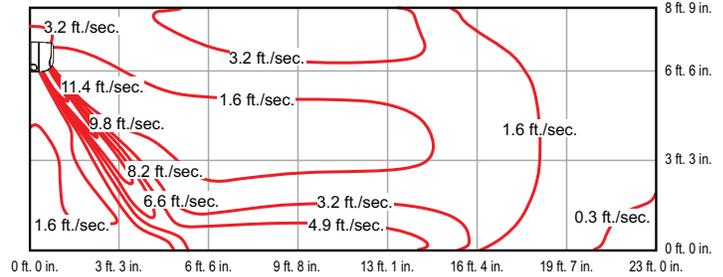
DWM124S4 - COOLING
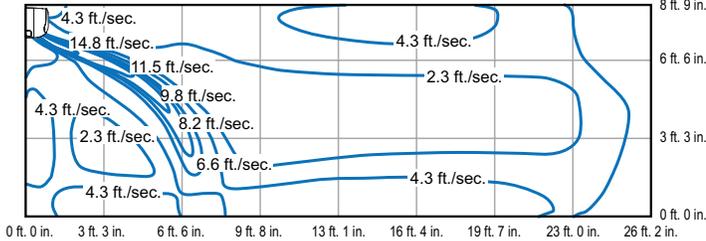
DWM124S4 - HEATING
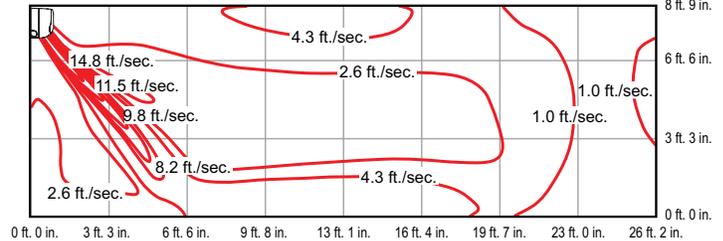
AIR THROW DATA - CASSETTE INDOOR UNITS

D22C109S4 AND D22C112S4 - COOLING
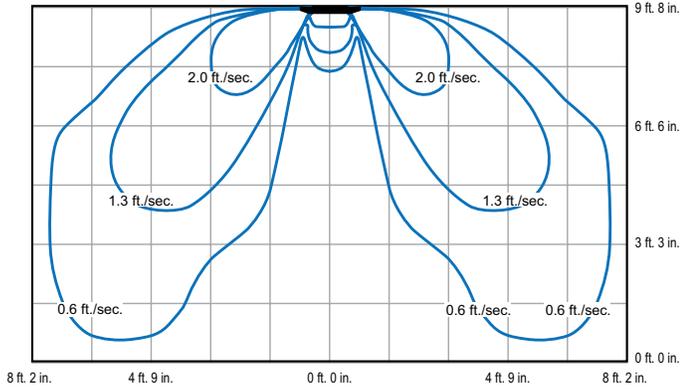
D22C109S4 AND D22C112S4 - HEATING
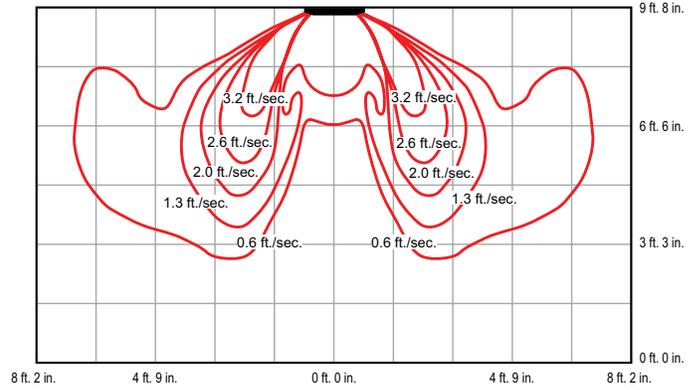
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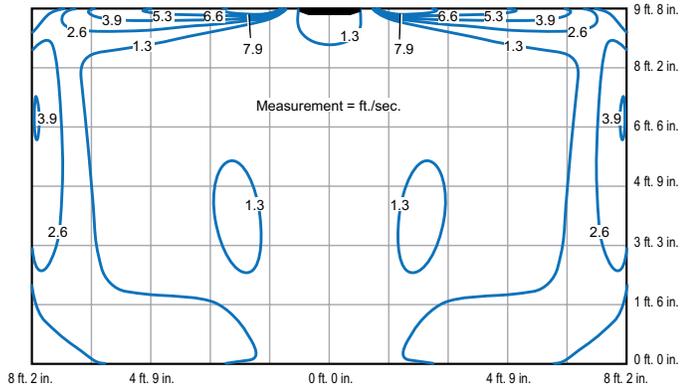
D22C118S4 - HEATING
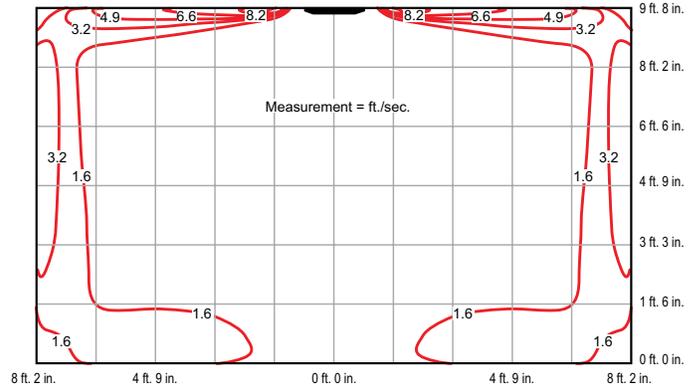
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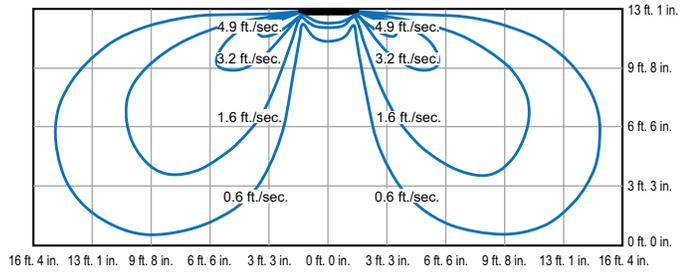
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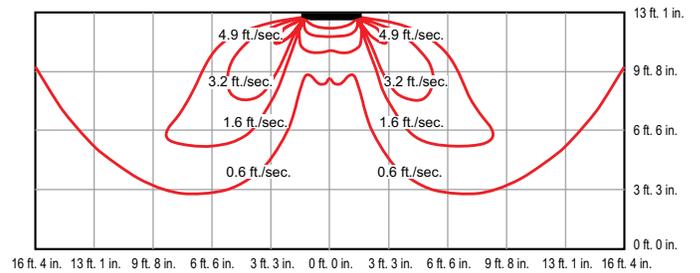
BLOWER DATA - MEDIUM STATIC DUCTED INDOOR UNITS

DMD209S4-1P, DMD212S4-1P

Low Speed

Medium Speed

High Speed

DMD218S4-1P

Low Speed

Medium Speed

High Speed

DMD2024S4-1P

Low Speed

Medium Speed

High Speed
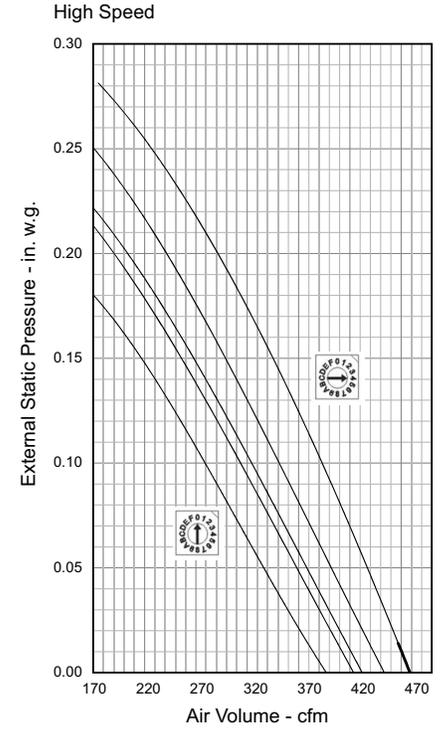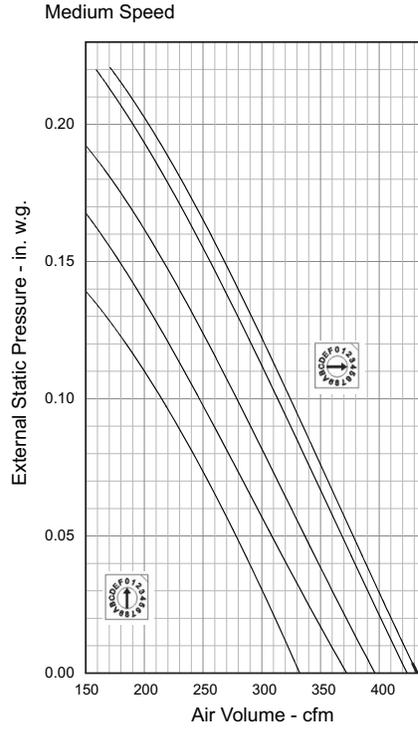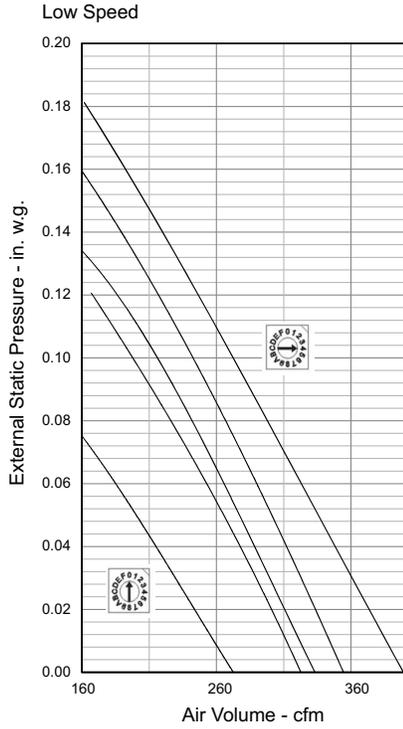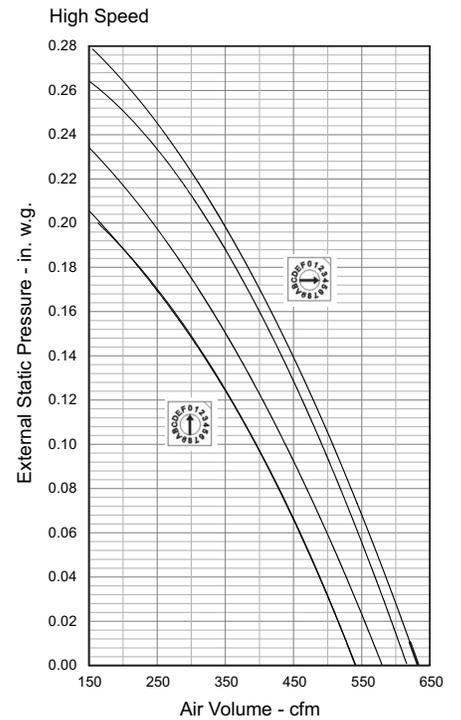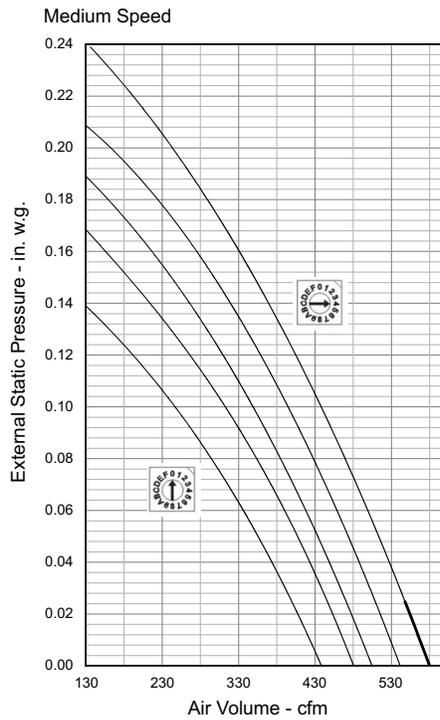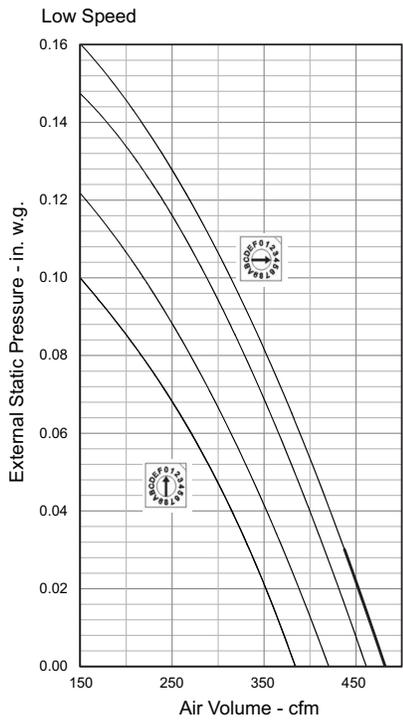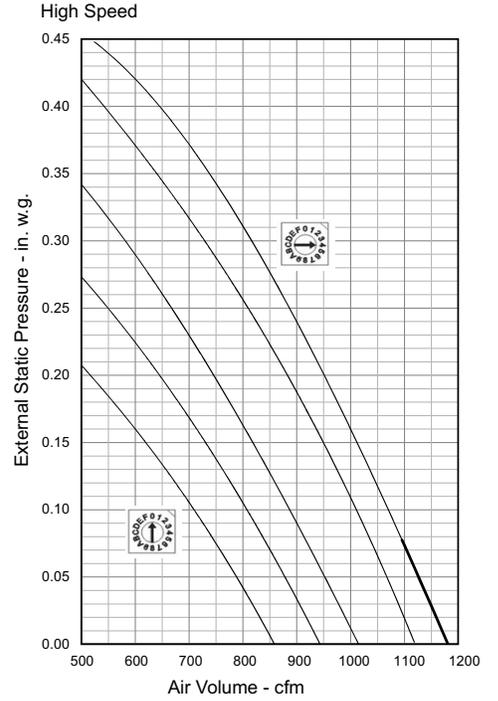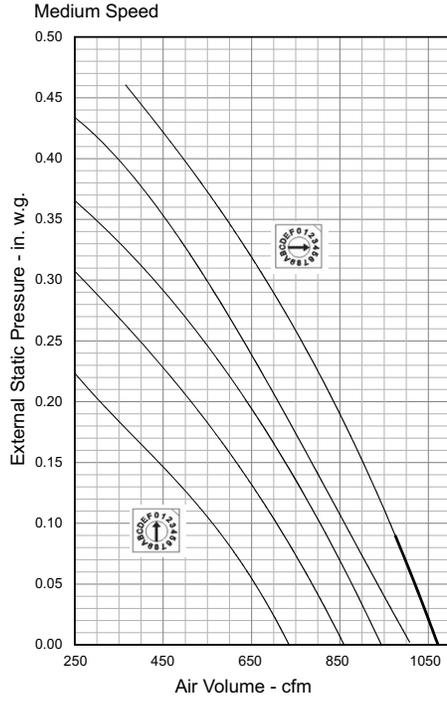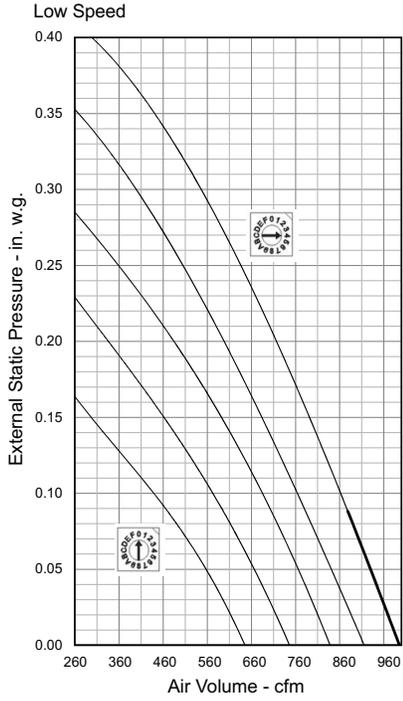
<u>ACCESSORIES - FURNISHED</u>

<u>WIRELESS REMOTE CONTROLLER</u>

Furnished with Wall-Mounted Indoor Units and Cassette Indoor Units.

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

Operates on two AAA 1.5V batteries (furnished).

Wireless remote controller holder furnished. Holder can be mounted on a wall for easy access. Mounting screws furnished.
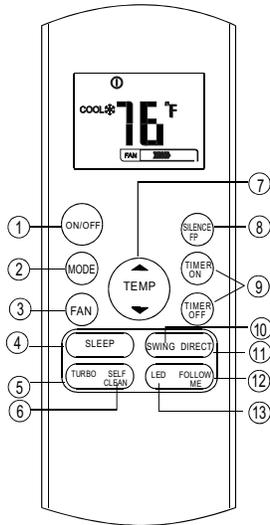
1   ON/OFF Button

- Turns system on and off.

2   MODE Button

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

AUTO ⟶ COOL ⟶ DRY ⟶ HEAT ⟶ FAN

3   FAN Button

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

AUTO ⟶ LOW ⟶ MED ⟶ HIGH
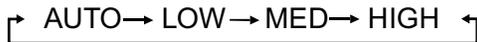
NOTE - Not available in AUTO or DRY modes.

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. System reverts back to previous operation mode after 7 total hours of operation.

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 controller location.

13   LED Button

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

WIRELESS REMOTE CONTROLLER OPERATION

Mode display

AUTO ↺   COOL ❄   DRY 💧

HEAT ☀   FAN 🏠
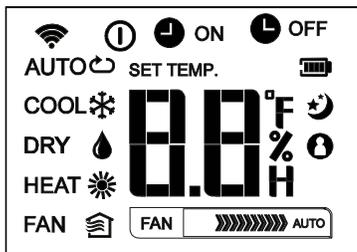
📶	Displayed when data transmitted.
ⓘ	Displayed when remote controller is ON.
🔋	Battery display (low battery detection)

● ON	Displayed when TIMER ON time is set.
● OFF	Displayed when TIMER OFF time is set.
88	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

FAN ⟫	Low speed
FAN ⟫⟫	Medium speed
FAN ⟫⟫⟫	High speed
FAN AUTO	Auto fan speed

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

Auto Operation

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

Cooling /Heating/Fan Operation

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

Dehumidifying Operation

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

Timer ON/OFF Operation

1. 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.
2. 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.
3. After setting the **TIMER ON** or **TIMER OFF** there will be a one second delay before the remote controller 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 CONTROLLER

Furnished with Ducted Indoor Units.

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

FEATURES

- 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. (121 x 121 x 22 mm).
- Additional hardware is furnished for installation.
- Wiring - Controller uses 5-wire shielded 20 ft. (6 m) cable (furnished) for easy low voltage connection to the indoor unit. Maximum cable length is 40 ft. (12 m).

DISPLAY
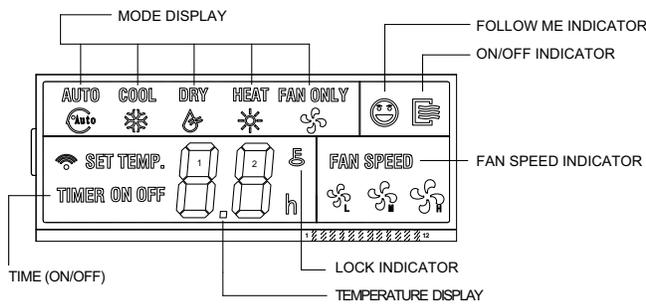
BUTTONS AND FUNCTIONS
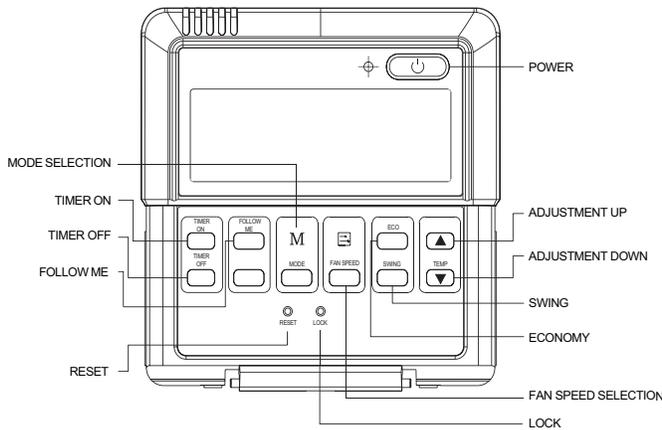
MODE Button

- 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

Extension Cable for Wired Remote Controller

20 ft. cable for easy low voltage connection to the indoor unit. Extends cable to maximum 40 ft. length.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

WIRED PROGRAMMABLE CONTROLLER

Wired programmable local controller for mini-split indoor units with convenient timed schedules for daily operation. Up to 8 events per day.

Schedule start time, mode, setpoint, and fan speed.

Compatible with all indoor units.

Copy/paste function for easy duplication of events to other days.

Built-in system diagnostics.

Large, back-lit, easy-to-read LCD screen with digital display.

Power Button

• Turn system on and off

Fan Speed Button

• Scroll through fan speeds (Auto   Low   Med   High)

Mode Button

• Use + and – buttons to scroll through available operation modes (Auto / Cool / Dry / Fan / Heat)

Plus (+) and Minus (–) Buttons

• Setpoint adjustment (62-86°F)
• Select days of the week when setting a schedule
• Select mode of operation

Swing Button

• Stop or start horizontal louver auto swing (only used with ductless indoor units with swing louvers)
• Controls swing oscillation and louver angle in 6° increments

Timer Button

• Sets current time of day (24 hour clock)
• Setup weekly schedules or to setup timed operation for the indoor unit
• Stop/Stop timed operation

Day Off / Del Button

• Disable specific days/schedules of the week
• Delete a specific event

**Confirm Button**

• Confirms each step when managing schedules

Back/Turbo Button

• Turbo sets indoor unit fan speed to high for a factory-set time period

Copy/Follow Me Button

• Toggles between room temperature sensing from the indoor unit or the controller

DISPLAY

¹ Displays cooling setpoint, heating setpoint or room temperature
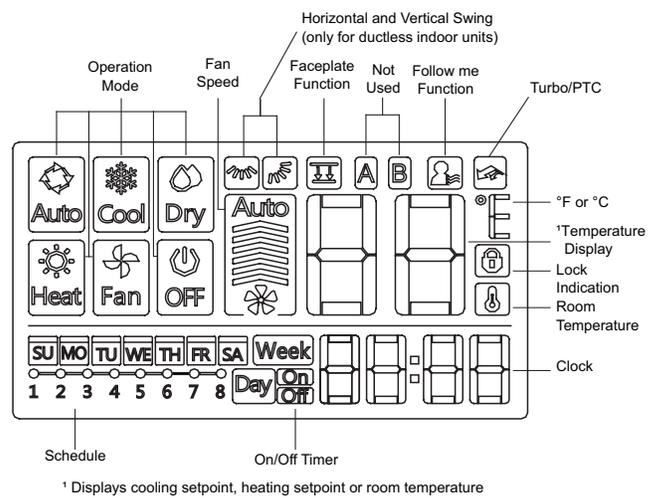
Audible tone when a button is pressed (can be disabled).

Lock function disables buttons to prevents tampering.

Controller uses 4-wire shielded 20 ft. (6 m) cable (furnished) for easy low voltage connection to the indoor unit. For longer lengths, cable must be ordered separately. Adaptor cables are furnished for various indoor unit connections.

NOTE - Controller cable length cannot exceed 164 ft. (50 m).

Hardware for mounting furnished. Mounts to standard electrical junction box (not furnished).

Lithium battery furnished.

Power Supply: 5 VDC

Dimensions (H x W x D): 4-7/8 x 4-3/4 x 3/4 in. (124 x 121 x 19 mm).

NOTE – Programmable Controller cannot be used when a centralized controller is used with an MWMA indoor unit.

OPTIONAL ACCESSORIES

Extension Cable for Wired Programmable Controller

20 ft. cable for easy low voltage connection to the indoor unit.

OUTDOOR UNITS

Condenser Pad

Provides permanent foundation for outdoor units.

One-piece lightweight structural foam and molded from high-density polyethylene (HDPE), which makes them lightweight and easy to carry and install. The textured finish provides a non-skid surface so that the 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.

Hail Guards

Protects outdoor coils on all sides without inhibiting airflow or performance. Self-tapping screws provided for installation. Flat shape allows for outdoor units to be placed close together. Each kit contains all required guards. Order one hail guard kit per outdoor unit module.

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.

INDOOR UNITS

Condensate Pumps

Quietly and efficiently removes condensate.

See Optional Accessories Table for available pumps.

A/C Easy Tee® Condensate Cleanout

Provides a condensate drain service port that is flexible and easy to use with nitrogen, water or shop vac.

Screw cap on top allows easy access to condensate drain line.

SPEEDICHANNEL™ SYSTEM

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

Typical Application
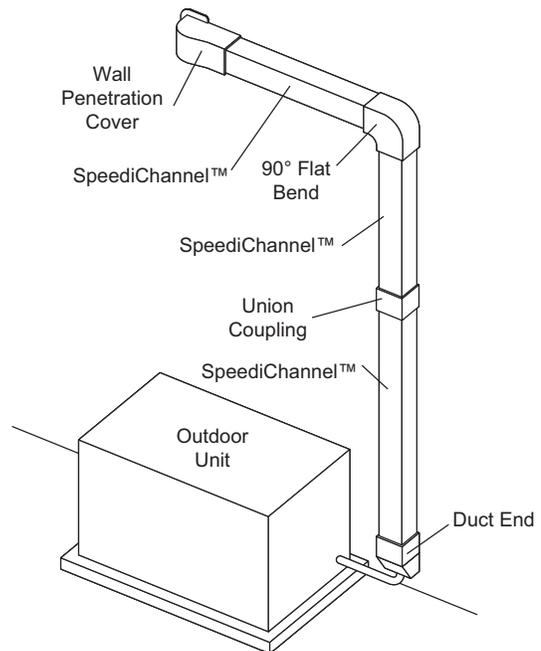
SPEEDICHANNEL™ SYSTEM (CONTINUED)

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, or 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 to 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

45º 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

90º 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 -4ºF to 140ºF. Mount blocks fit all mini-split outdoor units with a sliding rail feature.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

DESCRIPTION		CATALOG #	09	12	18	24	30	36	48
OUTDOOR UNIT									
CONDENSER PAD (18 X 36 X 2)		Y5014	N/A	N/A	x	N/A	x	x	x
DISCONNECTS	**30 AMP, FUSED, 1 PH**	27P37			x		x	x	x
	60 AMP, NON-FUSED, 1 PH	27P39			x		x	x	x
FUSES	**30A**	83P75			x		x	x	x
	60A	83P77			x		x	x	x
HAIL GUARDS	**M9GARD15Q-1**	15D26			x		N/A	N/A	N/A
	M9GARD17Q-1	15D28			N/A		x	x	N/A
	M9GARD18Q-1	15D29			N/A		N/A	N/A	x
LINE SETS	**1/4" X 3/8" X 25'**	90X53			N/A		N/A	N/A	N/A
	1/4" X 3/8" X 50'	X0258			N/A		N/A	N/A	N/A
	1/4" X 1/2" X 25'	90X52			x		N/A	N/A	N/A
	1/4" X 1/2" X 50'	X0259			x		N/A	N/A	N/A
	3/8" X 5/8" X 25'	X8406			N/A		x	x	x
	3/8" X 5/8" X 50'	X8407			N/A		x	x	x
WALL BRACKETS	**30"**	X1727			x		N/A	N/A	N/A
	36"	X1728			N/A		x	x	x
WHIPS	**10 GAUGE - 1/2" X 6'**	29P54			x		x	x	x
	8 GAUGE - 3/4" X 6'	27P44			x		x	x	x
INDOOR UNIT									
CONDENSATE PUMP*	**7.9 US GALLONS/ HR. 35 FT. LIFT - 120/240V**	Y5170	x	x	x	x	N/A	N/A	N/A
CONTROLS									
WIRELESS REMOTE CONTROL		1.861056	x	x	x	x	x	x	x
WIRED REMOTE CONTROL		1.861057	x	x	x	x	x	x	x
EXTENSION CABLE FOR WIRED REMOTE CONTROLLER - 20 FT.		Y8008	x	x	x	x	x	x	x

NOTE - The wired remote controller above is furnished as standard with the indoor ducted models. As an option, the wired remote controller can be ordered for a wall-mount or cassette unit if desired. The wireless remote controller is furnished standard with the wall-mount and cassette units.

DESCRIPTION	CATALOG #	09	12	18	24	30	36	48
WIRED PROGRAMMABLE CONTROLLER	1.861081	x	x	x	x	x	x	x
EXTENSION CABLE FOR WIRED PROGRAMMABLE CONTROLLER - 20 FT.	Y8738	x	x	x	x	x	x	x
INDOOR/OUTDOOR WIRING CABLE 14 GAUGE, 4 CONDUCTOR WIRE, THHN, 250 FT.	Y2067	x	x	x	x	x	x	x

* The following items are also approved for use with indoor units:

　Diversitech Condensate Pumps with Reservoir
　• ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V
　• Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V
　• Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V
　Blue Diamond Condensate Pumps with Reservoir
　• MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V
　• MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V
　• MegaBlue® - 13.2 US gallons per hour, 23 ft. lift - 110v-230V
　• MultiTank Kit
　• Sensor Cable Extension - 16 ft
　A/C Easy Tee® Condensate Cleanout

DESCRIPTION		CATALOG #	09	12	18	24	30	36	48
LINESET COVER									
STARTER KIT	4"	Y3387	x	x	x	x	x	x	x
LINESET COVER	4" X 6.5'	Y3388	x	x	x	x	x	x	x
UNION COUPLING	4"	Y3389	x	x	x	x	x	x	x
90 DEGREE FLAT BEND ELBOW	4"	Y3390	x	x	x	x	x	x	x
90 DEGREE INSIDE ELBOW	4"	Y3391	x	x	x	x	x	x	x
45 DEGREE FLAT BEND ELBOW	4"	Y3392	x	x	x	x	x	x	x
FLEX JOINT	4"	Y3393	x	x	x	x	x	x	x
T-JOINT	4"	Y3394	x	x	x	x	x	x	x
DUCT END	4"	Y3395	x	x	x	x	x	x	x
FALT WALL ESCUTCHEON	4"	Y3396	x	x	x	x	x	x	x
WALL PENETRATION COVER	4"	Y3399	x	x	x	x	x	x	x
MOUNT BLOCK (WHITE)	QTY (2) - 14"	Y3397	x	x	x	x	x	x	x
MOUNT BLOCK (WHITE)	QTY (2) - 36"	Y3398	x	x	x	x	x	x	x

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