

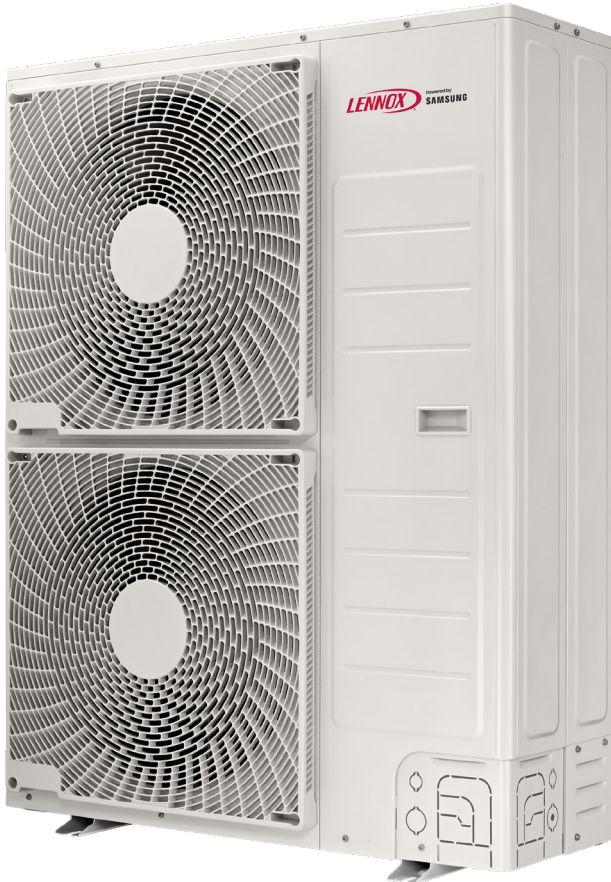
MMPD | Single-Zone | Mixed Indoor



Heat Pump Outdoor Units | **R-32** | 60 Hz
RESIDENTIAL / COMMERCIAL
PRODUCT SPECIFICATIONS (EHB)

SEER2 up to 23.8
HSPF2 up to 9.6
1.5 to 4 Tons

Cooling Capacity - 18,000 to 48,000 Btuh
Heating Capacity - 20,000 to 54,000 Btuh



MMPD048 Heat Pump Outdoor Units



MMPD030/036 Heat Pump Outdoor Units



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

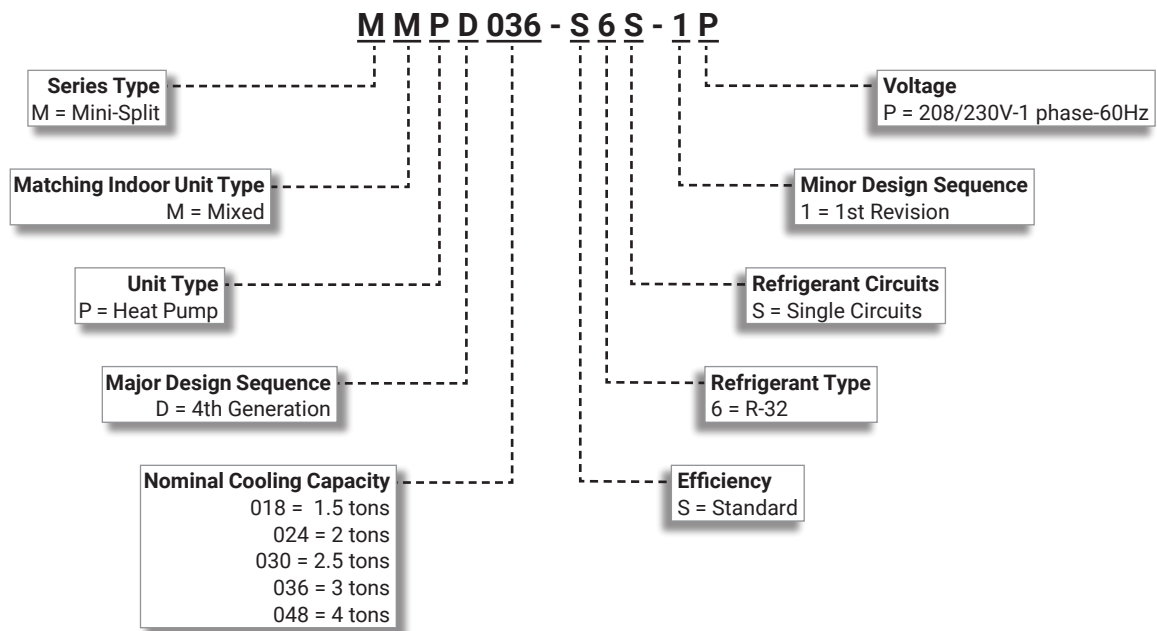


Works with
Samsung SmartThings



MMPD024 Heat Pump Outdoor Units
(MMPD018 not shown)

MODEL NUMBER IDENTIFICATION



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MOBILE APPS



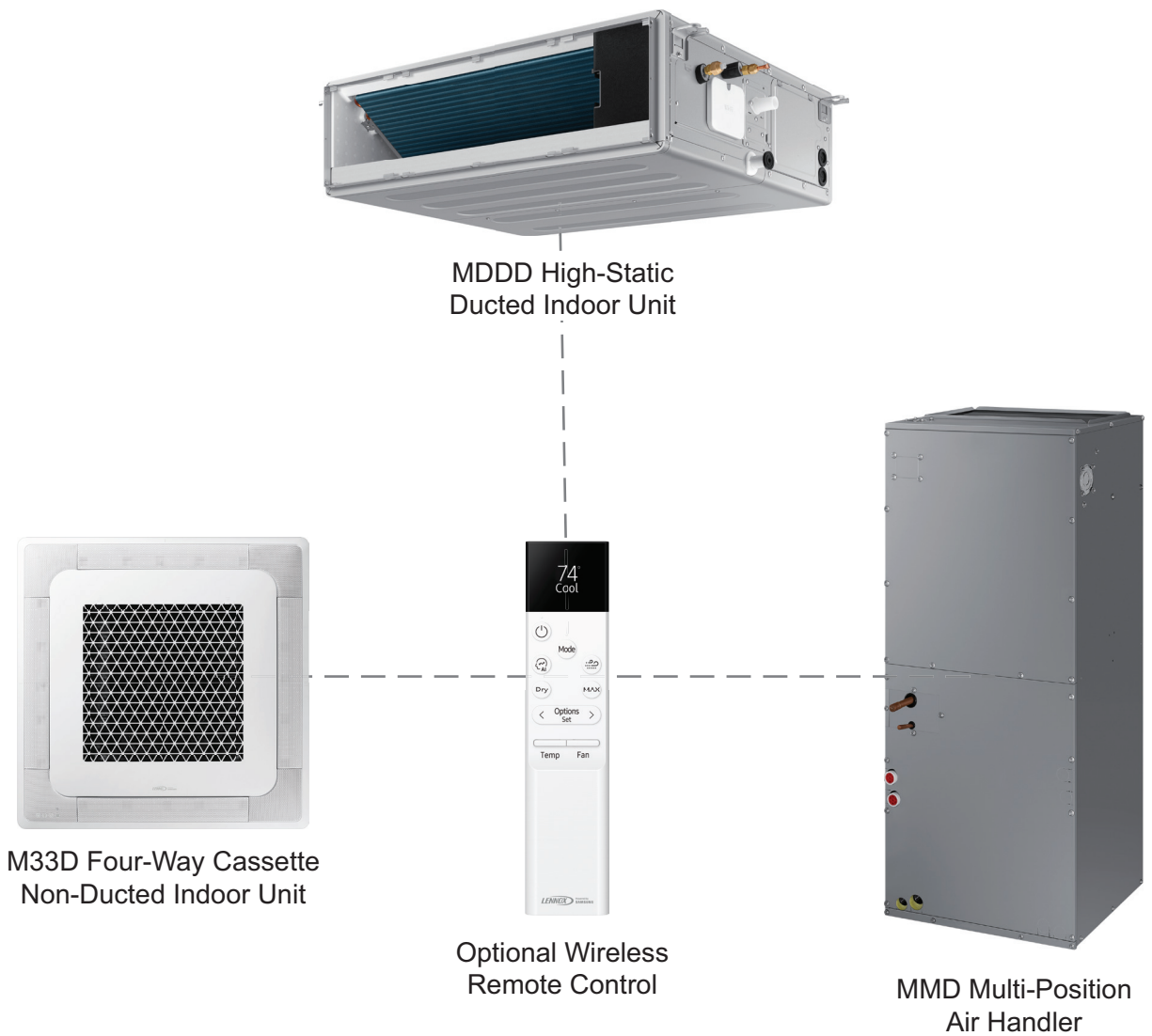
SmartThings

- SmartThings is a free app that uses Wi-Fi to connect smart devices built on the Matter protocol, regardless of the company that makes them
- Users can remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage, as well as troubleshoot solutions if service is needed
- Quickly and easily connect, automate and manage your smart home devices through SmartThings
- SmartThings is compatible with hundreds of smart home brands

- With SmartThings, you can connect, monitor and control multiple smart home devices quicker and easier
- Connect smart TVs, smart appliances, smart speakers and brands like Samsung, Ring, Nest and Philips Hue - all from one free app
- Control your smart devices using voice assistant skills including Alexa, Bixby and Google Assistant



SYSTEM COMPONENTS



Also available:
Touchscreen Wired Controller
Programmable Wired Controller
Thermostat Adaptor
(use with any 24V thermostat)



MMPD024 Outdoor Unit

Single zone heat pumps offer a wide range of capacities and indoor unit configurations. One outdoor unit is matched to one indoor unit.

APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 210/240-2023 certified with Addenda 1 and 2
- ENERGY STAR® certified units (certain models) are designed to use less energy, help save money on utility bills, and help protect the environment
- Rated According to U.S. Department of Energy (DOE) test procedures
- Outdoor units and components UL and CEC bonded for grounding to meet safety standards for servicing
- ETL certified for the U.S. and Canada
- Meets 2014 Florida Building Code Wind Design Criteria
 - Ultimate Wind Speed – 186 miles per hour
 - Risk Categories – III and IV
 - Wind Exposures – C and D
 - Mean Roof Heights – Up to 60 feet above ground

WARRANTY

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

NOTE - Refer to Lennox Basic Limited Warranty at www.Lennox.com for additional details.

FEATURES

APPLICATIONS

- 1.5 through 4 ton
- Single phase power supply (208/230V)
- Sound levels as low as 48 dBA
- Ductless mini-split systems provide a wide range of capacities and applications and provide an alternative when a ducted system is impractical or cost prohibitive
- Units shipped completely factory assembled, internally piped, and wired

NOTE - Outdoor unit is designed for outdoor location only.

REFRIGERATION SYSTEM

R-32 Refrigerant

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

Outdoor Coil

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

Hydrophilic Corrosion-Resistant Coating

- Applied to aluminum fins
- Protects against salt damage, atmospheric corrosion, rusting, sea spray, and rain
- Resists moisture, chemicals, and solvents
- Improves condensation flow for drainage

OUTDOOR UNITS

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

LOW GWP REFRIGERANT DETECTION SYSTEM (Indoor)

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-32 refrigerant
- Factory or field installed on all indoor units
- Consists of a leak detection sensor and a mitigation control
- Ensures safe operation for systems equipped with R-32 refrigerant
- Indoor sensor will detect any refrigerant leaks if they occur
- If a leak is detected the refrigerant detection system will prevent compressor and heating operation until a leak is no longer detected
- Refrigeration detection system also energizes the blower if a leak is detected to mitigate any concentrations of refrigerant from the conditioned space
- Refer to indoor unit Product Specifications documents for additional details

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

CONTROLS**DC Inverter Control**

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

Inverter Module Protection

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

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

Defrost Control

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

Reversing Valve

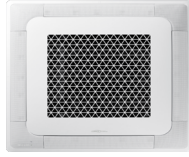
- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa
- Valve operates on pressure differential between outdoor unit and indoor unit of the system

CABINET

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

NOTE - Drain must be field furnished.

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

CASSETTE INDOOR UNITS

- Eliminates ductwork by utilizing refrigerant piping to preserve space in the attic or closet
- Compact and unobtrusive design also blends seamlessly into any space
- Controls for On/Off, Defrost, Timer and Filter
- Low-sound
- Light weight, robust design
- Galvanized steel case
- Four-sided air distribution helps air to reach every corner of the room
- Vacuum or washable reusable filter media
- **Calm Air Feature** - When louvers are closed, thousands of micro holes in panel provide a dispersed, gentle flow of air
- Louvers can be removed for easy cleaning
- Optional wireless remote controller, touchscreen wired controller or programmable wired controller available

NOTE - The cassette panel must be ordered separately.

NOTE - See the M33D Product Specifications.

HIGH STATIC DUCTED INDOOR UNITS

- Slim, compact ducted design for limited space requirements
- Installs out of sight between the drop ceiling and ceiling slab with ducted distribution to the indoor space
- Multiple access points for easy setup and installation
- Smart pressure control adjusts fan speed based on external static pressure for consistent heating and cooling
- Optional wireless remote controller, touchscreen wired controller or programmable wired controller available

NOTE - See the MDDD Product Specifications.

MULTI-POSITION AIR HANDLER INDOOR UNITS

- Constant torque blower motor
- Multi-position cabinet (upflow, downflow, horizontal)
- Completely insulated with foil faced fiberglass insulation
- Low Leakage (less than 2%) Cabinet
- Optional wireless remote controller, touchscreen wired controller or programmable wired controller available

NOTE - See the MMD Product Specifications.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

OUTDOOR UNITS

(See Optional Accessories Table on page 10 for Selection)

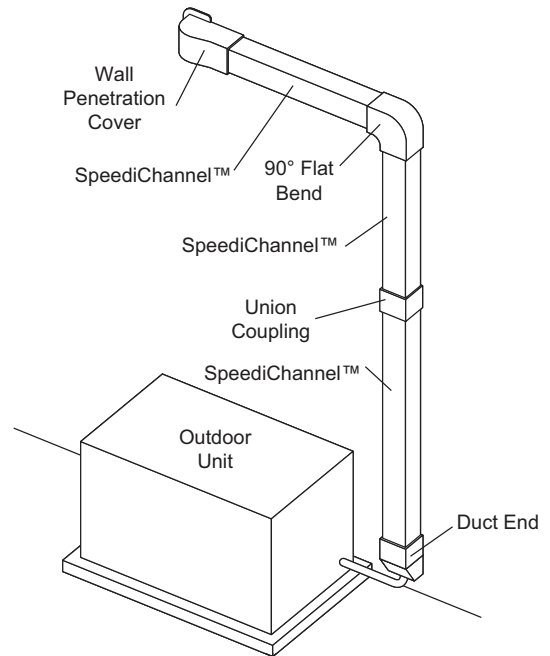
- Equipment Pads
- Equipment Stands
- Hail Guards
- Wind Baffles
- Wall Brackets
- Line Sets
- Control Wiring
- Disconnects
- Whips

SPEEDICHANNEL™ SYSTEM



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

Typical Application



OPTIONAL ACCESSORIES - ORDER SEPARATELY

SPEEDICHANNEL™ SYSTEM (continued)

SpeediChannel™ Starter Kit

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

Duct End

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



Flat Wall Escutcheon

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



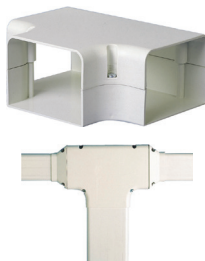
- One side of the escutcheon is flat to allow for a SpeediChannel™ to run along a wall and to penetrate through an adjacent wall or ceiling
- This is the most common type of wall penetration
- Furnished in two parts, the escutcheon easily snaps onto the SpeediChannel™

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

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



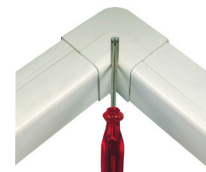
45°



90°

90° Inside Elbow

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



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

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



SPECIFICATIONS

Model		MMPD018S6S	MMPD024S6S	MMPD030S6S	MMPD036S6S	MMPD048S6S
Tons		1.5	2.0	2.5	3	4
Ambient Temperature Range - °F	Cooling	0 to 122	0 to 122	0 to 122	0 to 122	0 to 122
	Heating	−4 to 75	−4 to 75	−4 to 75	−4 to 75	−4 to 75
Connections	Liquid (flare) - in.	1/4	1/4	3/8	3/8	3/8
	Gas (flare) - in.	1/2	5/8	5/8	5/8	5/8
	Basic Pipe Length - ft.	25	25	25	25	25
	Maximum Pipe Length - ft.	164	164	164	164	246
Refrigerant	Charge furnished (R-32)	2 lbs. 14 oz.	3 lbs. 12 oz.	5 lbs. 14 oz.	5 lbs. 15 oz.	6 lbs. 6 oz.
Compressor	Type	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Output (kW)	1.68	2.55	2.91	4.25	4.25
	Refrigerant oil type	POE	POE	POE	POE	POE
	Initial oil charge - oz	19.3	23.7	40.6	57.5	57.5
Outdoor Fan	Number and Type	1 Propeller	1 Propeller	1 Propeller	1 Propeller	2 Propeller
	cfm	1766	2154	2684	2684	3532
Outdoor Fan Motor	Type	BDLC	BDLC	BDLC	BDLC	BDLC
	Output (W)	125	125	125	125	(2) 125
Outdoor Coil	Type	Aluminum Fin/Copper Tube				
Sound Data (dBA)	Cooling	62	65	67	63	65
Shipping Data	Net	117	117	157	169	191
	Shipping	126	126	168	180	213

ELECTRICAL DATA

Line voltage data (Volts-Phase-Hz)	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
¹ Maximum Overcurrent Protection (MOCP) amps	25	25	30	30	40
² Minimum circuit ampacity (MCA)	22.3	22.3	26.7	26.7	36.1

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.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Order Number	Size				
			018	024	030	036	048
OUTDOOR UNIT							
Line Sets	1/4 x 1/2 3/8 25 ft.	90X52	•				
Liquid x Gas OD Insulation Thickness Length	1/4 x 1/2 3/8 50 ft.	X0259	•				
	1/4 x 5/8 3/8 25 ft.	90X51		•			
	1/4 x 5/8 3/8 50 ft.	X0260		•			
	3/8 x 5/8 3/8 25 ft.	X8406			•	•	•
	3/8 x 5/8 3/8 50 ft.	X8407			•	•	•
Hail Guards	Side	38V01	•				
	Back	38U94	•				
	Side	38U96		•			
	Back	38U90		•			
	Side	38U97			•	•	•
	Back	38U91			•	•	•
Wind Baffles	Front	38V19	•				
	Back	38V13	•				
	Front	38V20		•			
	Back	38V14		•			
	Front	38V17			•	•	
	Back	38V11			•	•	
	Front	38V16					•
	Back	38V10					•
Equipment Pads	18 x 38 x 3 in. direct mount, gray plastic	Y5014	•	•	•	•	•
	24 x 48 x 3 in. black	28V63	•	•	•	•	•
Equipment Stands	12 in. height, adjustable 34 to 40 in. white	Y8240	•	•	•	•	•
	18 in. height, adjustable 34 to 40 in. white	Y8236	•	•	•	•	•
	10 in. height, 24 x 36 in. gray	Y8397	•	•			
	18 in. height, 30 x 40 in. gray	28U18			•	•	•
Wall Brackets	Wall unit installation support tool	Y6999	•	•	•	•	•
	30 x 16 in. (D x H) gray (qty 2)	X1727	•	•	•	•	•
	25 x 18-3/8 in. (D x H), adjustable width 6 to 34 in. SS, wind/hurricane rated	Y8239	•	•	•	•	•
Control Wiring	Five conductor cable, 250 ft. (14/3, 16/2)	29F41	•	•	•	•	•
	Weather-tight cable connector (qty 1)	29F45	•	•	•	•	•
Disconnects	30A Pull-out Fusible	Y9684	•	•	•	•	
	60A Pull-out Fusible	Y9685	•	•	•	•	•
	60A Pull-out Non-Fusible	Y9686	•	•	•	•	•
Whips	Metal Fittings 1/2 in. x 6 ft., 10 AWG	29P54	•	•	•	•	
	Metal Fittings 3/4 in. x 6 ft., 8 AWG	27P44	•	•	•	•	•
	Plastic Fittings 1/2 in. x 6 ft., 10 AWG	36P48	•	•	•	•	
	Plastic Fittings 3/4 in. x 6 ft., 8 AWG	46N89	•	•	•	•	•
SPEEDICHANNEL™ SYSTEM							
SpeediChannel™ Starter Kit - 4 in.		Y7950	•	•	•	•	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)		Y3388	•	•	•	•	•
Union Coupling - 4 in.		Y3389	•	•	•	•	•
90° Flat Bend Elbow - 4 in.		Y3390	•	•	•	•	•
90° Inside Elbow - 4 in.		Y3391	•	•	•	•	•
90° Outside Elbow - 4 in.		Y6074	•	•	•	•	•
45° Flat Bend Elbow - 4 in.		Y3392	•	•	•	•	•
Flex Joint - 4 in.		Y3393	•	•	•	•	•
T-Joint - 4 in.		Y3394	•	•	•	•	•
Duct End - 4 in.		Y3395	•	•	•	•	•
Flat Wall Escutcheon - 4 in.		Y3396	•	•	•	•	•
Wall Penetration Cover - 4 in.		Y3399	•	•	•	•	•
Mount Block (White) Qty, 2 - 14 in.		Y3397	•	•	•	•	•
Mount Block (White) Qty, 2 - 36 in.		Y3398	•	•	•	•	•

AHRI SYSTEM MATCHES

Outdoor Unit	Indoor Unit	Indoor Unit Type	Cooling Capacity	SEER2	EER2	Heating Capacity		HSPF2 (IV)	AHRI Reference Number	Energy Star Certified?
						High	Low			
MMPD018S6S-1P	M33D018S6-1P	Non-Ducted	18000	23.8	13	20000	11600	9.3	215810034	Yes
MMPD018S6S-1P	MDDD018S6-1P	Ducted	18000	18	10.5	20000	12400	8.5	215810037	No
MMPD018S6S-1P	MMD018S6-1P	Ducted	18000	16.5	10	20000	12700	8.1	216581336	No
MMPD024S6S-1P	M33D024S6-1P	Non-Ducted	24000	21.6	12	27000	16800	9.6	215810035	Yes
MMPD024S6S-1P	MDDD024S6-1P	Ducted	24000	17.5	11	27000	15300	8.7	215810038	No
MMPD024S6S-1P	MMD024S6-1P	Ducted	24000	16.6	10.7	27000	15000	8.3	216581337	No
MMPD030S6S-1P	M33D030S6-1P	Non-Ducted	30000	21.7	12	34000	22600	9.5	215810036	Yes
MMPD030S6S-1P	MDDD030S6-1P	Ducted	30000	19	11	34000	22800	9	215810039	No
MMPD030S6S-1P	MMD030S6-1P	Ducted	30000	19	11.5	34000	21200	9.5	216581338	No
MMPD036S6S-1P	MDDD036S6-1P	Ducted	36000	17.4	9.5	40000	27600	8.8	215810040	No
MMPD036S6S-1P	MMD036S6-1P	Ducted	36000	16	9.5	40000	27400	8.6	216581339	No
MMPD048S6S-1P	MDDD048S6-1P	Ducted	48000	17.3	8.7	54000	34000	8.7	215810041	No
MMPD048S6S-1P	MMD048S6-1P	Ducted	48000	17.5	9.6	54000	34600	8.8	216581340	No

Ratings are AHRI certified to AHRI Standard 210/240-2023;

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

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

COOLING / HEATING CAPACITY**M33D FOUR-WAY (3 X 3) CASSETTE****M33D018S6-1P + MMPD018S6S-1P COOLING CAPACITY**

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	15.9	11.5	0.84	16.8	11.9	0.86	17.5	12.2	0.88	18.0	12.6	0.90	18.4	12.5	0.91	19.3	12.3	0.91	20.2	12.1	0.93
70	19.9	14.4	0.91	21.0	14.8	0.93	21.8	15.3	0.95	22.5	15.8	0.97	23.0	15.6	0.98	24.1	15.4	0.99	25.3	15.1	1.01
95	15.9	11.5	1.30	16.8	11.9	1.33	17.5	12.2	1.35	18.0	12.6	1.38	18.4	12.5	1.39	19.3	12.3	1.41	20.2	12.1	1.44
115	16.2	12.6	2.01	17.1	13.0	2.05	17.8	13.4	2.10	18.4	13.8	2.14	18.7	13.6	2.16	19.7	13.5	2.18	20.6	13.2	2.23
122	14.3	14.0	1.62	15.1	14.5	1.66	15.7	14.9	1.69	16.2	15.4	1.73	16.5	15.2	1.74	17.4	15.1	1.76	18.2	14.8	1.79

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D018S6-1P + MMPD018S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	20.6	3.73	20.4	3.69	20.2	3.66	20.0	3.62	19.8	3.58	19.6	3.55
14	26.8	3.69	26.5	3.65	26.3	3.61	26.0	3.58	25.7	3.54	25.5	3.51
32	24.7	2.44	24.5	2.41	24.2	2.39	24.0	2.37	23.8	2.34	23.5	2.32
47	20.6	1.50	20.4	1.49	20.2	1.47	20.0	1.46	19.8	1.45	19.6	1.43
75.2	26.8	1.68	26.5	1.67	26.3	1.65	26.0	1.64	25.7	1.62	25.5	1.60

TC = Total Capacity

PI - Power Input

M33D024S6-1P + MMPD024S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	24.3	17.6	1.22	25.6	18.1	1.25	26.7	18.7	1.27	27.5	19.3	1.30	28.1	19.1	1.31	29.5	18.9	1.33	30.9	18.5	1.35
70	23.8	17.2	1.51	25.0	17.7	1.54	26.1	18.3	1.57	26.9	18.8	1.60	27.4	18.6	1.62	28.8	18.4	1.63	30.2	18.1	1.66
95	21.2	15.3	1.88	22.3	15.8	1.92	23.3	16.3	1.96	24.0	16.8	2.00	24.5	16.6	2.02	25.7	16.5	2.04	27.0	16.1	2.08
115	21.7	16.8	3.35	22.8	17.3	3.42	23.7	17.8	3.49	24.5	18.4	3.56	25.0	18.2	3.60	26.2	18.0	3.63	27.5	17.6	3.70
122	17.0	16.6	3.01	17.9	17.2	3.07	18.6	17.7	3.14	19.2	18.2	3.20	19.6	18.1	3.23	20.6	17.9	3.26	21.6	17.5	3.33

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D024S6-1P + MMPD024S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	25.6	5.42	25.3	5.36	25.1	5.31	24.8	5.26	24.6	5.21	24.3	5.15
14	27.8	4.63	27.5	4.58	27.3	4.54	27.0	4.49	26.7	4.45	26.5	4.40
32	30.6	3.50	30.3	3.46	30.0	3.43	29.7	3.39	29.4	3.36	29.1	3.33
47	27.8	2.46	27.5	2.44	27.3	2.41	27.0	2.39	26.7	2.37	26.5	2.34
75.2	37.6	3.03	37.2	3.00	36.8	2.97	36.5	2.94	36.1	2.91	35.7	2.88

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

M33D FOUR-WAY (3 X 3) CASSETTE

M33D030S6-1P + MMPD030S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	33.2	25.7	1.53	34.9	26.5	1.56	36.4	27.3	1.59	37.5	28.1	1.63	38.3	27.8	1.64	40.2	27.6	1.66	42.2	27.0	1.69
70	30.5	23.6	1.91	32.1	24.3	1.94	33.5	25.1	1.98	34.5	25.9	2.03	35.2	25.6	2.05	36.9	25.4	2.07	38.8	24.9	2.11
95	26.5	20.5	2.35	27.9	21.2	2.40	29.1	21.8	2.45	30.0	22.5	2.50	30.6	22.3	2.53	32.1	22.1	2.55	33.7	21.6	2.60
115	24.2	21.4	3.01	25.4	22.1	3.07	26.5	22.8	3.14	27.3	23.5	3.20	27.8	23.2	3.23	29.2	23.0	3.26	30.7	22.6	3.33
122	19.9	20.5	2.64	21.0	21.2	2.69	21.8	21.8	2.74	22.5	22.5	2.80	23.0	22.3	2.83	24.1	22.1	2.86	25.3	21.6	2.91

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D030S6-1P + MMPD030S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	28.0	4.16	27.7	4.12	27.5	4.08	27.2	4.04	26.9	3.99	26.7	3.95
14	38.5	4.57	38.2	4.53	37.8	4.48	37.4	4.44	37.0	4.39	36.7	4.35
32	42.0	3.46	41.6	3.43	41.2	3.40	40.8	3.36	40.4	3.33	40.0	3.30
47	35.0	2.77	34.7	2.74	34.3	2.72	34.0	2.69	33.7	2.66	33.3	2.64
75.2	44.8	3.55	44.4	3.51	44.0	3.48	43.5	3.44	43.1	3.41	42.7	3.37

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

MMD AIR HANDLER

MMD018S6-1P + MMPD018S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	15.9	11.5	1.27	16.8	11.9	1.30	17.5	12.2	1.32	18.0	12.6	1.35	18.4	12.5	1.36	19.3	12.3	1.38	20.2	12.1	1.40
70	19.9	14.4	1.36	21.0	14.8	1.38	21.8	15.3	1.41	22.5	15.8	1.44	23.0	15.6	1.45	24.1	15.4	1.47	25.3	15.1	1.50
95	15.9	11.5	1.69	16.8	11.9	1.73	17.5	12.2	1.76	18.0	12.6	1.80	18.4	12.5	1.82	19.3	12.3	1.84	20.2	12.1	1.87
115	16.2	12.6	2.80	17.1	13.0	2.85	17.8	13.4	2.91	18.4	13.8	2.97	18.7	13.6	3.00	19.7	13.5	3.03	20.6	13.2	3.09
122	14.3	14.0	2.71	15.1	14.5	2.77	15.7	14.9	2.82	16.2	15.4	2.88	16.5	15.2	2.91	17.4	15.1	2.94	18.2	14.8	3.00

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD018S6-1P + MMPD018S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	20.6	4.22	20.4	4.18	20.2	4.14	20.0	4.10	19.8	4.05	19.6	4.01
14	26.8	4.82	26.5	4.77	26.3	4.73	26.0	4.68	25.7	4.63	25.5	4.59
32	24.7	3.21	24.5	3.18	24.2	3.15	24.0	3.12	23.8	3.09	23.5	3.06
47	20.6	2.01	20.4	1.99	20.2	1.97	20.0	1.95	19.8	1.93	19.6	1.91
75.2	26.8	2.31	26.5	2.29	26.3	2.26	26.0	2.24	25.7	2.22	25.5	2.20

TC = Total Capacity

PI - Power Input

MMD024S6-1P + MMPD024S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	26.5	19.2	1.48	27.9	19.8	1.51	29.1	20.4	1.54	30.0	21.0	1.57	30.6	20.8	1.58	32.1	20.6	1.60	33.7	20.2	1.63
70	23.8	17.2	1.79	25.0	17.7	1.83	26.1	18.3	1.87	26.9	18.8	1.90	27.4	18.6	1.92	28.8	18.4	1.94	30.2	18.1	1.98
95	21.2	15.3	2.11	22.3	15.8	2.15	23.3	16.3	2.20	24.0	16.8	2.24	24.5	16.6	2.26	25.7	16.5	2.28	27.0	16.1	2.33
115	21.2	16.4	3.75	22.3	16.9	3.83	23.3	17.5	3.91	24.0	18.0	3.99	24.5	17.8	4.03	25.7	17.6	4.07	27.0	17.3	4.15
122	18.0	17.7	3.37	19.0	18.2	3.44	19.8	18.8	3.51	20.4	19.4	3.58	20.8	19.2	3.62	21.8	19.0	3.66	22.9	18.6	3.73

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD024S6-1P + MMPD024S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	25.6	4.74	25.3	4.70	25.1	4.65	24.8	4.60	24.6	4.56	24.3	4.51
14	27.8	4.96	27.5	4.91	27.3	4.86	27.0	4.81	26.7	4.76	26.5	4.72
32	30.6	3.66	30.3	3.62	30.0	3.59	29.7	3.55	29.4	3.51	29.1	3.48
47	27.8	2.71	27.5	2.68	27.3	2.66	27.0	2.63	26.7	2.60	26.5	2.58
75.2	37.6	3.52	37.2	3.49	36.8	3.45	36.5	3.42	36.1	3.38	35.7	3.35

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

MMD AIR HANDLER

MMD030S6-1P + MMPD030S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	33.2	25.7	1.71	34.9	26.5	1.75	36.4	27.3	1.78	37.5	28.1	1.82	38.3	27.8	1.84	40.2	27.6	1.86	42.2	27.0	1.89
70	30.5	23.6	2.20	32.1	24.3	2.25	33.5	25.1	2.29	34.5	25.9	2.34	35.2	25.6	2.36	36.9	25.4	2.39	38.8	24.9	2.43
95	26.5	20.5	2.45	27.9	21.2	2.50	29.1	21.8	2.55	30.0	22.5	2.60	30.6	22.3	2.63	32.1	22.1	2.65	33.7	21.6	2.71
115	24.2	21.4	3.74	25.4	22.1	3.82	26.5	22.8	3.90	27.3	23.5	3.98	27.8	23.2	4.02	29.2	23.0	4.06	30.7	22.6	4.14
122	19.9	20.5	3.25	21.0	21.2	3.32	21.8	21.8	3.39	22.5	22.5	3.46	23.0	22.3	3.49	24.1	22.1	3.53	25.3	21.6	3.60

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD030S6-1P + MMPD030S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	28.0	4.80	27.7	4.75	27.5	4.70	27.2	4.65	26.9	4.61	26.7	4.56
14	38.5	6.28	38.2	6.22	37.8	6.16	37.4	6.10	37.0	6.04	36.7	5.98
32	42.0	4.63	41.6	4.58	41.2	4.54	40.8	4.49	40.4	4.45	40.0	4.40
47	35.0	3.31	34.7	3.27	34.3	3.24	34.0	3.21	33.7	3.18	33.3	3.15
75.2	44.8	3.87	44.4	3.83	44.0	3.79	43.5	3.76	43.1	3.72	42.7	3.68

TC = Total Capacity

PI - Power Input

MMD036S6-1P + MMPD036S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	36.6	26.4	3.57	38.6	27.3	3.64	40.2	28.1	3.71	41.4	29.0	3.79	42.2	28.7	3.83	44.3	28.4	3.87	46.6	27.8	3.94
70	38.2	27.6	3.21	40.2	28.5	3.28	41.9	29.3	3.34	43.2	30.2	3.41	44.1	29.9	3.44	46.3	29.6	3.48	48.6	29.0	3.55
95	31.8	23.0	3.56	33.5	23.7	3.63	34.9	24.4	3.70	36.0	25.2	3.78	36.7	24.9	3.82	38.6	24.7	3.86	40.5	24.2	3.93
115	28.9	24.2	4.33	30.4	24.9	4.42	31.7	25.7	4.51	32.7	26.5	4.61	33.3	26.2	4.65	35.0	25.9	4.70	36.7	25.4	4.79
122	23.7	22.5	3.79	25.0	23.2	3.86	26.0	23.9	3.94	26.8	24.7	4.02	27.3	24.4	4.06	28.7	24.2	4.10	30.1	23.7	4.18

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD036S6-1P + MMPD036S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	30.9	5.02	30.6	4.97	30.3	4.92	30.0	4.88	29.7	4.83	29.4	4.78
14	42.4	6.23	42.0	6.17	41.6	6.11	41.2	6.05	40.8	5.98	40.4	5.92
32	43.3	4.82	42.8	4.77	42.4	4.73	42.0	4.68	41.6	4.63	41.2	4.59
47	41.2	4.02	40.8	3.98	40.4	3.94	40.0	3.90	39.6	3.86	39.2	3.82
75.2	47.4	3.62	46.9	3.58	46.5	3.55	46.0	3.51	45.5	3.47	45.1	3.44

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

MMD AIR HANDLER

MMD048S6-1P + MMPD048S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	48.8	35.3	4.47	51.4	36.4	4.56	53.5	37.5	4.66	55.2	38.6	4.75	56.3	38.3	4.80	59.1	37.9	4.85	62.1	37.1	4.94
70	51.0	36.8	4.19	53.6	37.9	4.27	55.9	39.1	4.36	57.6	40.3	4.45	58.8	39.9	4.49	61.7	39.5	4.54	64.8	38.7	4.63
95	42.5	30.7	4.71	44.7	31.6	4.80	46.6	32.6	4.90	48.0	33.6	5.00	49.0	33.3	5.05	51.4	32.9	5.10	54.0	32.3	5.20
115	35.7	29.8	4.71	37.5	30.7	4.80	39.1	31.7	4.90	40.3	32.7	5.00	41.1	32.3	5.05	43.2	32.0	5.10	45.3	31.4	5.20
122	30.1	28.6	4.09	31.7	29.5	4.18	33.1	30.4	4.26	34.1	31.4	4.35	34.8	31.0	4.39	36.5	30.7	4.44	38.3	30.1	4.53

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD048S6-1P + MMPD048S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	42.3	6.24	41.9	6.18	41.5	6.12	41.0	6.06	40.6	6.00	40.2	5.94
14	55.6	7.06	55.1	6.99	54.5	6.92	54.0	6.85	53.5	6.78	52.9	6.71
32	52.9	4.89	52.3	4.84	51.8	4.79	51.3	4.74	50.8	4.70	50.3	4.65
47	55.6	5.43	55.1	5.38	54.5	5.32	54.0	5.27	53.5	5.22	52.9	5.17
75.2	64.0	4.34	63.3	4.30	62.7	4.26	62.1	4.22	61.5	4.17	60.9	4.13

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

MDDD DUCTED (HIGH STATIC)

MDDD018S6-1P + MMPD018S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	15.9	11.5	1.05	16.8	11.9	1.07	17.5	12.2	1.09	18.0	12.6	1.11	18.4	12.5	1.12	19.3	12.3	1.13	20.2	12.1	1.16
70	19.9	14.4	1.13	21.0	14.8	1.15	21.8	15.3	1.17	22.5	15.8	1.20	23.0	15.6	1.21	24.1	15.4	1.22	25.3	15.1	1.25
95	15.9	11.5	1.61	16.8	11.9	1.64	17.5	12.2	1.68	18.0	12.6	1.71	18.4	12.5	1.73	19.3	12.3	1.74	20.2	12.1	1.78
115	16.2	12.6	2.49	17.1	13.0	2.55	17.8	13.4	2.60	18.4	13.8	2.65	18.7	13.6	2.68	19.7	13.5	2.70	20.6	13.2	2.76
122	14.3	14.0	2.01	15.1	14.5	2.05	15.7	14.9	2.09	16.2	15.4	2.14	16.5	15.2	2.16	17.4	15.1	2.18	18.2	14.8	2.22

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD018S6-1P + MMPD018S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	20.6	4.38	20.4	4.33	20.2	4.29	20.0	4.25	19.8	4.21	19.6	4.16
14	26.8	4.29	26.5	4.24	26.3	4.20	26.0	4.16	25.7	4.12	25.5	4.08
32	24.7	2.83	24.5	2.80	24.2	2.77	24.0	2.74	23.8	2.72	23.5	2.69
47	20.6	1.82	20.4	1.81	20.2	1.79	20.0	1.77	19.8	1.75	19.6	1.73
75.2	26.8	2.01	26.5	1.99	26.3	1.97	26.0	1.95	25.7	1.93	25.5	1.91

TC = Total Capacity

PI - Power Input

MDDD024S6-1P + MMPD024S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	24.3	17.6	1.33	25.6	18.1	1.36	26.7	18.7	1.39	27.5	19.3	1.42	28.1	19.1	1.43	29.5	18.9	1.45	30.9	18.5	1.47
70	23.8	17.2	1.64	25.0	17.7	1.67	26.1	18.3	1.71	26.9	18.8	1.74	27.4	18.6	1.76	28.8	18.4	1.78	30.2	18.1	1.81
95	21.2	15.3	2.05	22.3	15.8	2.09	23.3	16.3	2.14	24.0	16.8	2.18	24.5	16.6	2.20	25.7	16.5	2.22	27.0	16.1	2.27
115	21.7	16.8	3.65	22.8	17.3	3.73	23.7	17.8	3.80	24.5	18.4	3.88	25.0	18.2	3.92	26.2	18.0	3.96	27.5	17.6	4.04
122	17.0	16.6	3.28	17.9	17.2	3.35	18.6	17.7	3.42	19.2	18.2	3.49	19.6	18.1	3.52	20.6	17.9	3.56	21.6	17.5	3.63

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD024S6-1P + MMPD024S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	25.6	5.60	25.3	5.54	25.1	5.49	24.8	5.43	24.6	5.38	24.3	5.33
14	27.8	4.78	27.5	4.74	27.3	4.69	27.0	4.64	26.7	4.60	26.5	4.55
32	30.6	3.61	30.3	3.58	30.0	3.54	29.7	3.51	29.4	3.47	29.1	3.44
47	27.8	2.54	27.5	2.52	27.3	2.49	27.0	2.47	26.7	2.45	26.5	2.42
75.2	37.6	3.13	37.2	3.10	36.8	3.07	36.5	3.04	36.1	3.01	35.7	2.98

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY**MDDD DUCTED (HIGH STATIC)****MDDD030S6-1P + MMPD030S6S-1P COOLING CAPACITY**

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	33.2	25.7	1.64	34.9	26.5	1.67	36.4	27.3	1.71	37.5	28.1	1.74	38.3	27.8	1.76	40.2	27.6	1.78	42.2	27.0	1.81
70	30.5	23.6	2.05	32.1	24.3	2.09	33.5	25.1	2.13	34.5	25.9	2.18	35.2	25.6	2.20	36.9	25.4	2.22	38.8	24.9	2.26
95	26.5	20.5	2.56	27.9	21.2	2.61	29.1	21.8	2.67	30.0	22.5	2.72	30.6	22.3	2.75	32.1	22.1	2.77	33.7	21.6	2.83
115	24.2	21.4	3.28	25.4	22.1	3.34	26.5	22.8	3.41	27.3	23.5	3.48	27.8	23.2	3.52	29.2	23.0	3.55	30.7	22.6	3.62
122	19.9	20.5	2.87	21.0	21.2	2.93	21.8	21.8	2.99	22.5	22.5	3.05	23.0	22.3	3.08	24.1	22.1	3.11	25.3	21.6	3.17

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD030S6-1P + MMPD030S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	28.0	4.53	27.7	4.48	27.5	4.44	27.2	4.40	26.9	4.35	26.7	4.31
14	38.5	4.98	38.2	4.93	37.8	4.88	37.4	4.83	37.0	4.79	36.7	4.74
32	42.0	3.77	41.6	3.74	41.2	3.70	40.8	3.66	40.4	3.63	40.0	3.59
47	35.0	3.02	34.7	2.99	34.3	2.96	34.0	2.93	33.7	2.90	33.3	2.87
75.2	44.8	3.86	44.4	3.83	44.0	3.79	43.5	3.75	43.1	3.71	42.7	3.68

TC = Total Capacity

PI - Power Input

MDDD036S6-1P + MMPD036S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	35.0	25.3	3.74	36.9	26.1	3.81	38.4	26.9	3.89	39.6	27.7	3.97	40.4	27.4	4.01	42.4	27.2	4.05	44.5	26.6	4.13
70	38.2	27.6	3.27	40.2	28.5	3.34	41.9	29.3	3.41	43.2	30.2	3.48	44.1	29.9	3.51	46.3	29.6	3.55	48.6	29.0	3.62
95	31.8	23.0	3.56	33.5	23.7	3.63	34.9	24.4	3.70	36.0	25.2	3.78	36.7	24.9	3.82	38.6	24.7	3.86	40.5	24.2	3.93
115	28.7	24.0	4.09	30.2	24.7	4.17	31.4	25.5	4.26	32.4	26.2	4.35	33.0	26.0	4.39	34.7	25.7	4.43	36.4	25.2	4.52
122	23.9	22.7	3.20	25.1	23.4	3.27	26.2	24.1	3.33	27.0	24.8	3.40	27.5	24.6	3.44	28.9	24.3	3.47	30.4	23.9	3.54

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD036S6-1P + MMPD036S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	30.9	4.94	30.6	4.89	30.3	4.84	30.0	4.79	29.7	4.74	29.4	4.70
14	42.4	5.05	42.0	5.00	41.6	4.95	41.2	4.90	40.8	4.85	40.4	4.80
32	49.5	4.21	49.0	4.16	48.5	4.12	48.0	4.08	47.5	4.04	47.0	4.00
47	41.2	3.66	40.8	3.62	40.4	3.59	40.0	3.55	39.6	3.51	39.2	3.48
75.2	47.4	3.66	46.9	3.62	46.5	3.59	46.0	3.55	45.5	3.51	45.1	3.48

TC = Total Capacity

PI - Power Input

COOLING / HEATING CAPACITY

MDDD DUCTED (HIGH STATIC)

MDDD048S6-1P + MMPD048S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	48.8	35.3	4.93	51.4	36.4	5.03	53.5	37.5	5.13	55.2	38.6	5.23	56.3	38.3	5.29	59.1	37.9	5.34	62.1	37.1	5.45
70	51.0	36.8	4.62	53.6	37.9	4.71	55.9	39.1	4.81	57.6	40.3	4.90	58.8	39.9	4.95	61.7	39.5	5.00	64.8	38.7	5.10
95	42.5	30.7	5.19	44.7	31.6	5.29	46.6	32.6	5.40	48.0	33.6	5.51	49.0	33.3	5.57	51.4	32.9	5.62	54.0	32.3	5.73
115	35.7	29.8	5.19	37.5	30.7	5.29	39.1	31.7	5.40	40.3	32.7	5.51	41.1	32.3	5.57	43.2	32.0	5.62	45.3	31.4	5.73
122	30.1	28.6	4.51	31.7	29.5	4.60	33.1	30.4	4.70	34.1	31.4	4.79	34.8	31.0	4.84	36.5	30.7	4.89	38.3	30.1	4.99

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

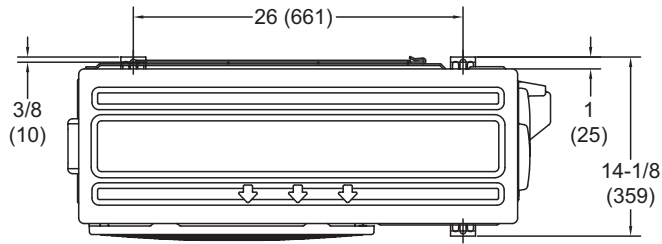
MDDD048S6-1P + MMPD048S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-4	42.3	6.46	41.9	6.39	41.5	6.33	41.0	6.27	40.6	6.20	40.2	6.14
14	55.6	7.30	55.1	7.23	54.5	7.16	54.0	7.09	53.5	7.01	52.9	6.94
32	58.4	5.78	57.8	5.73	57.3	5.67	56.7	5.61	56.1	5.56	55.6	5.50
47	55.6	5.62	55.1	5.56	54.5	5.50	54.0	5.45	53.5	5.40	52.9	5.34
75.2	64.0	4.83	63.3	4.78	62.7	4.73	62.1	4.69	61.5	4.64	60.9	4.59

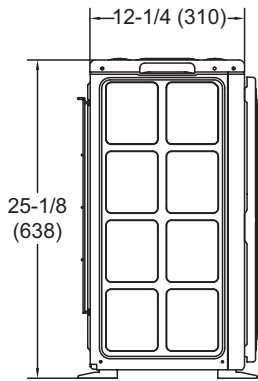
TC = Total Capacity

PI - Power Input

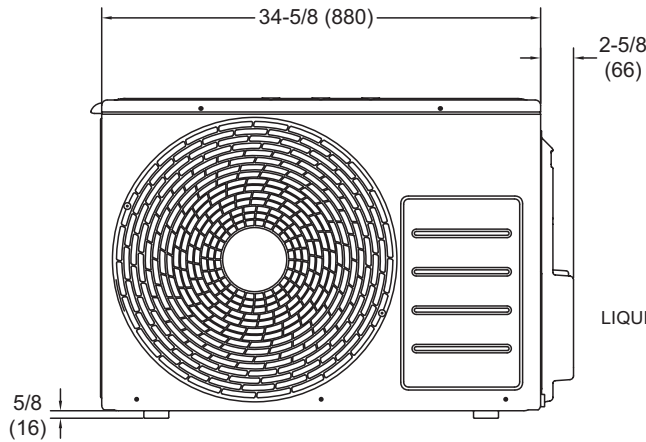
MMPD018S6S



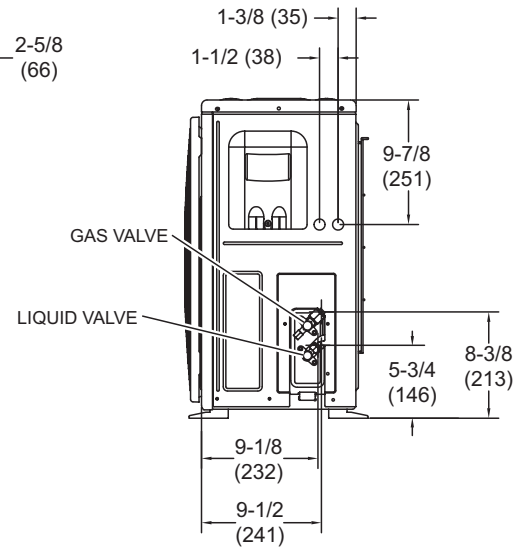
TOP VIEW



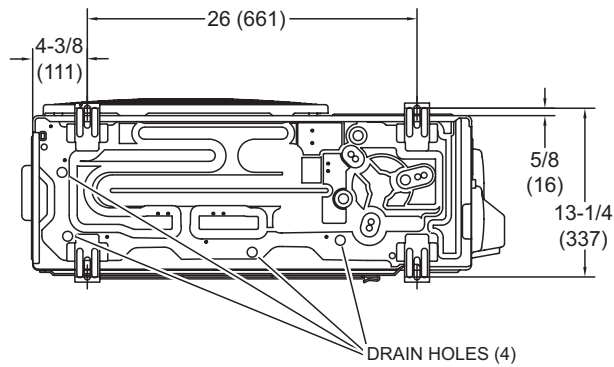
SIDE VIEW



FRONT VIEW



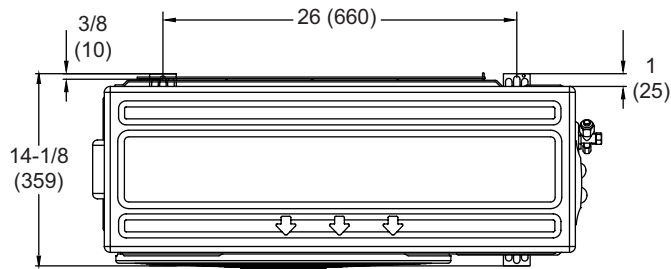
SIDE VIEW



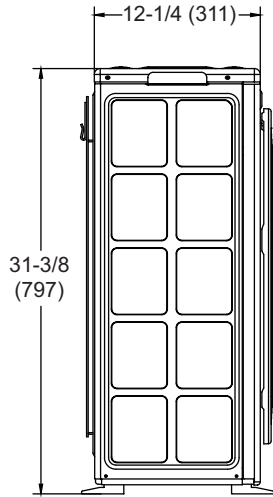
BOTTOM VIEW

DIMENSIONS

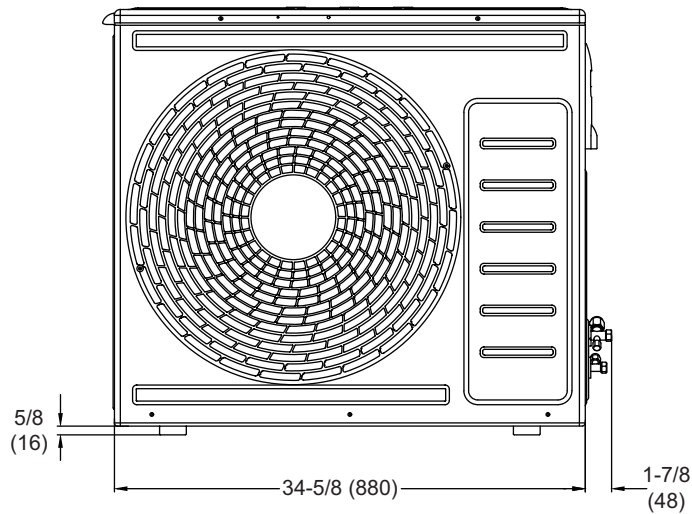
MMPD024S6S



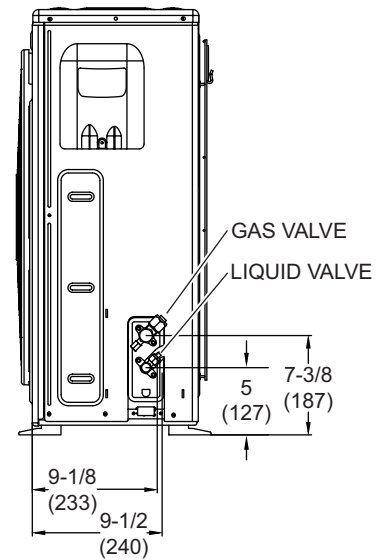
TOP VIEW



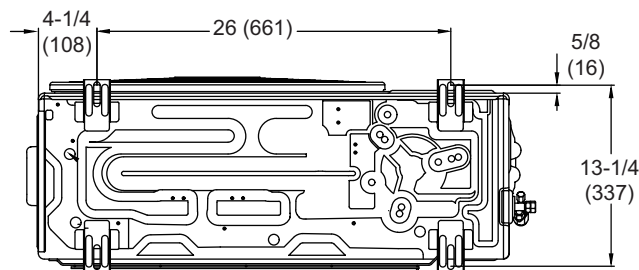
SIDE VIEW



FRONT VIEW



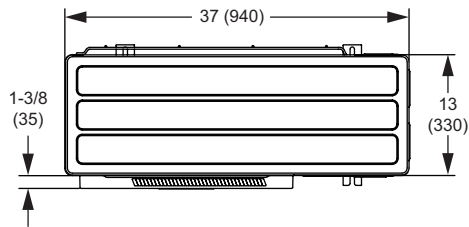
SIDE VIEW



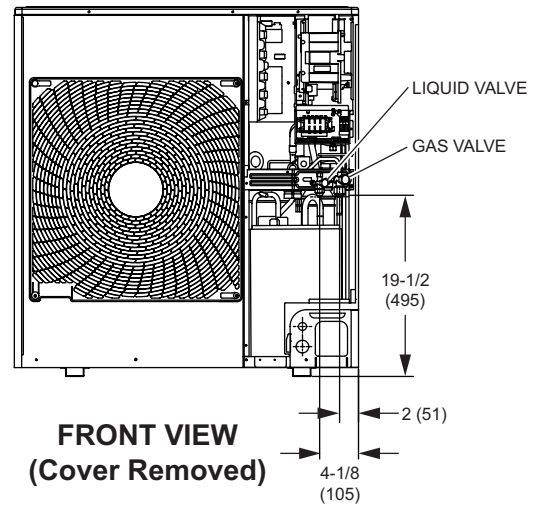
BOTTOM VIEW

DIMENSIONS

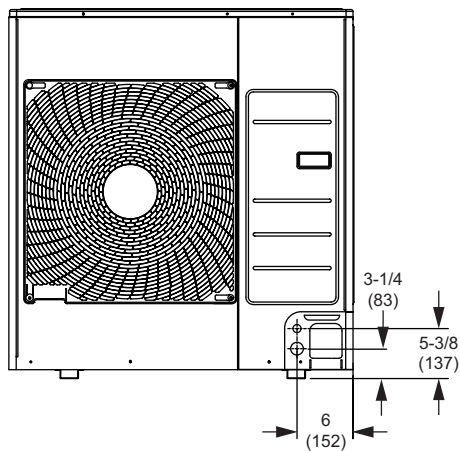
MMPD030S6S | MMPD036S6S



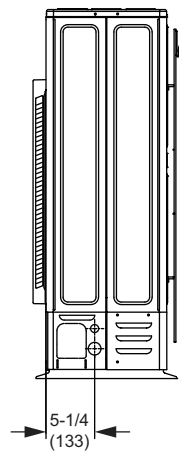
TOP VIEW



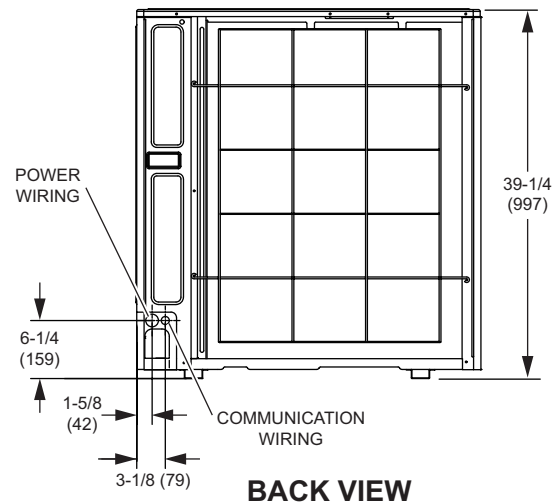
**FRONT VIEW
(Cover Removed)**



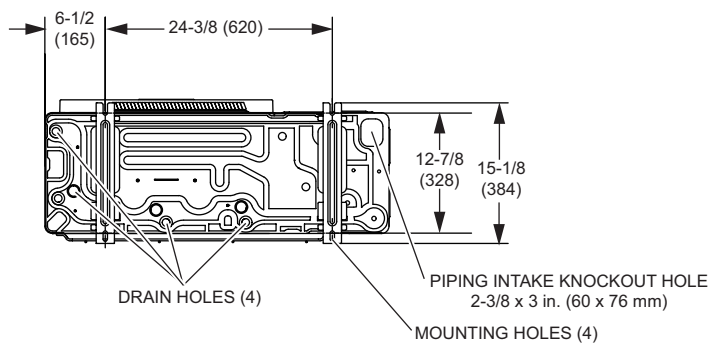
FRONT VIEW



SIDE VIEW



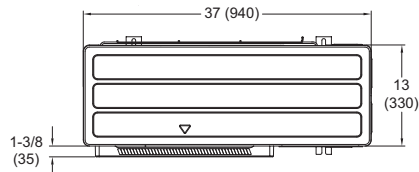
BACK VIEW



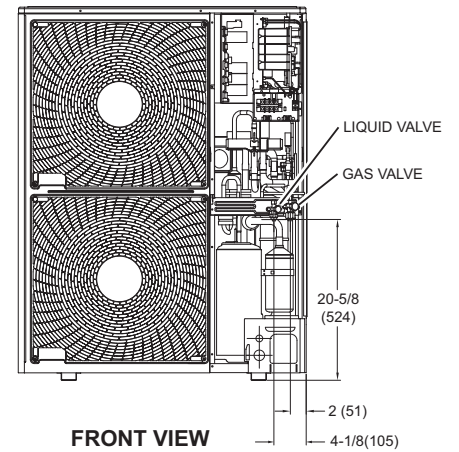
BOTTOM VIEW

DIMENSIONS

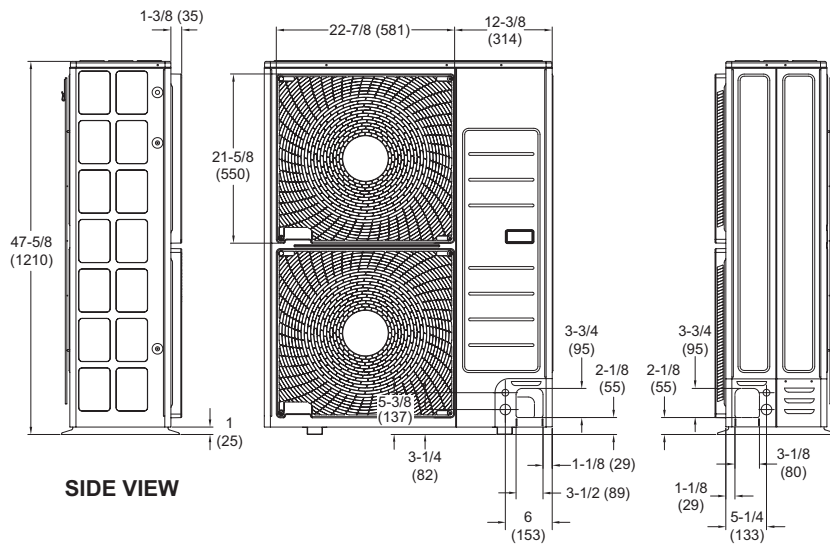
MMPD048S6S



TOP VIEW



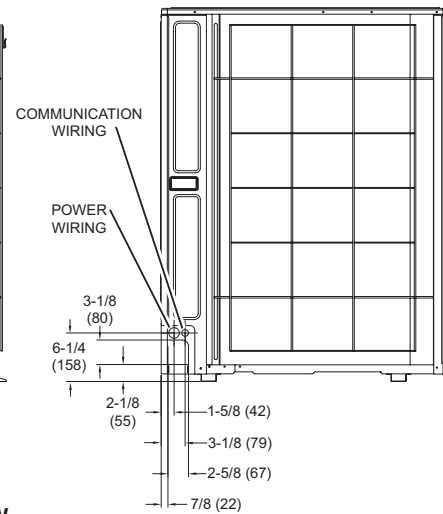
FRONT VIEW
(Cover Removed)



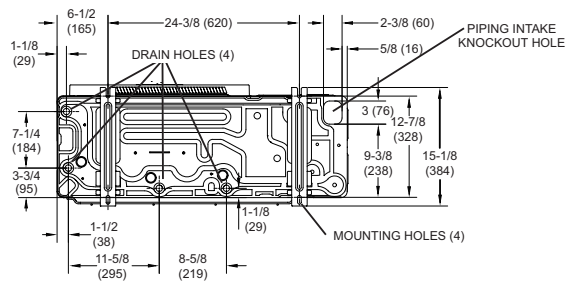
SIDE VIEW

FRONT VIEW

SIDE VIEW

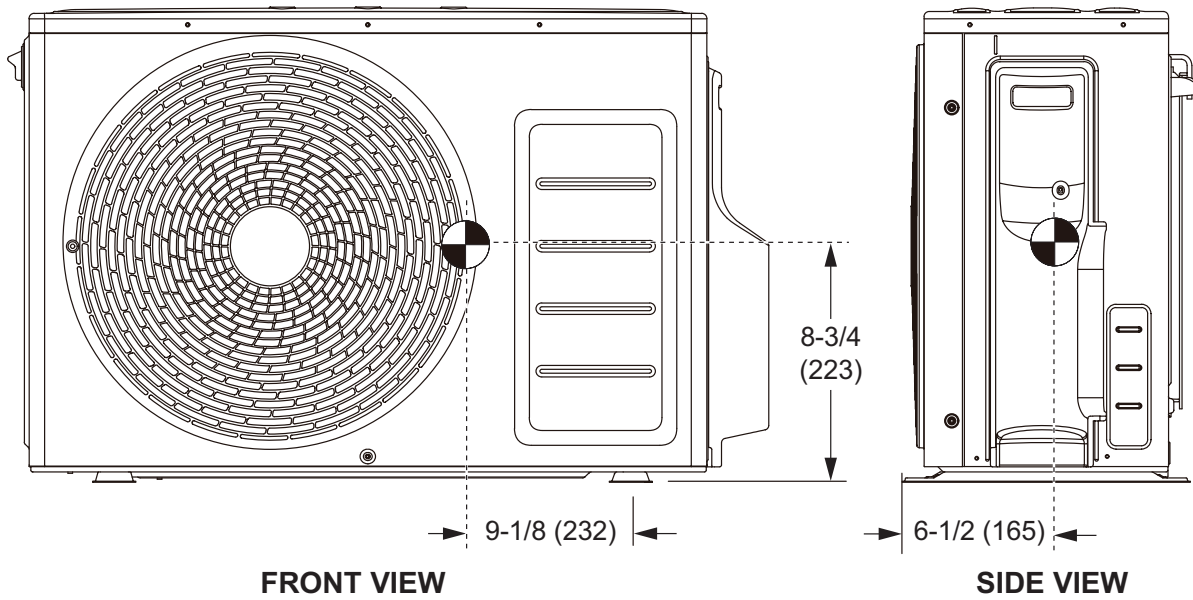


BACK VIEW

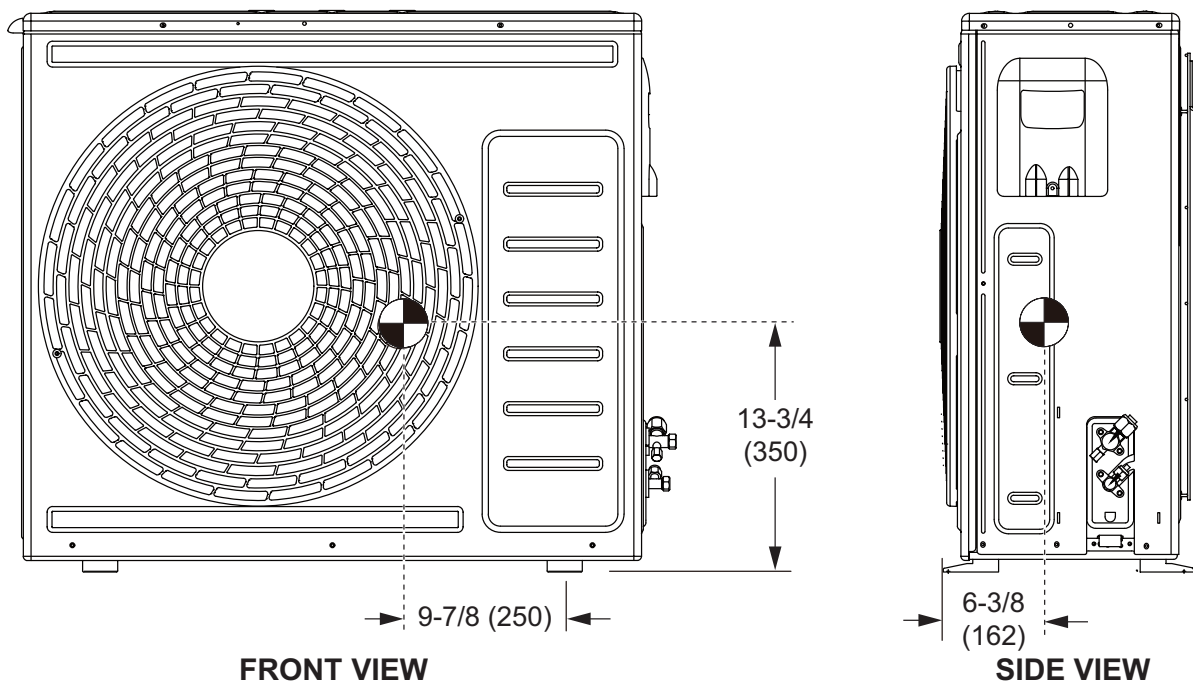


BOTTOM VIEW

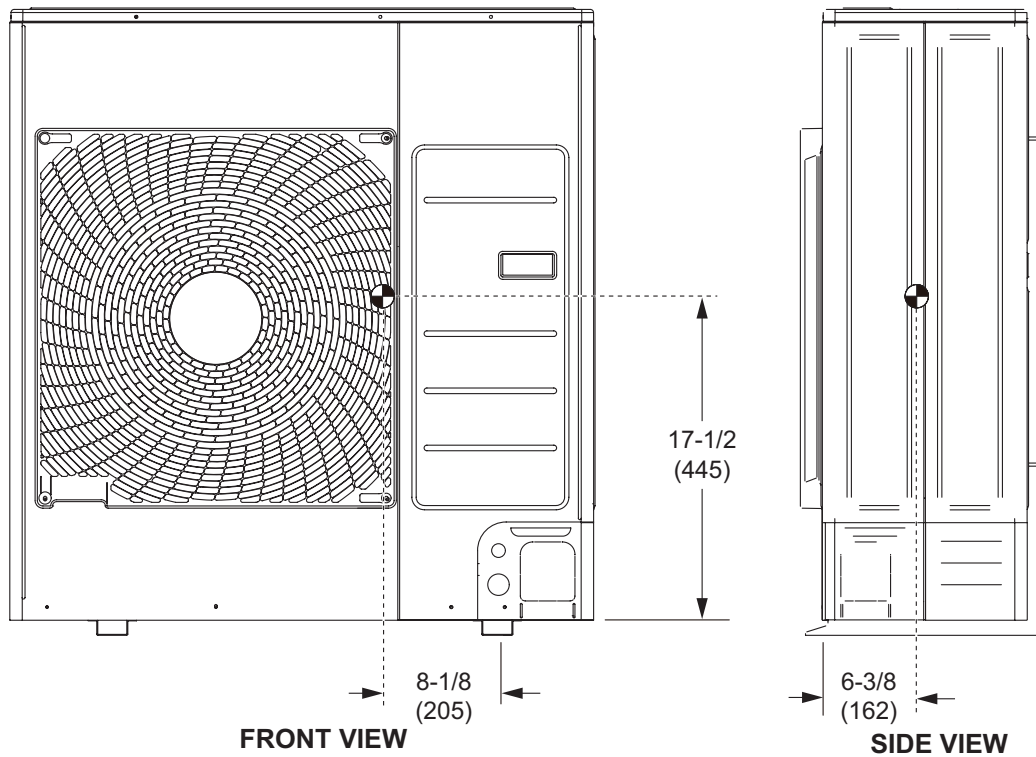
MMPD018S6S



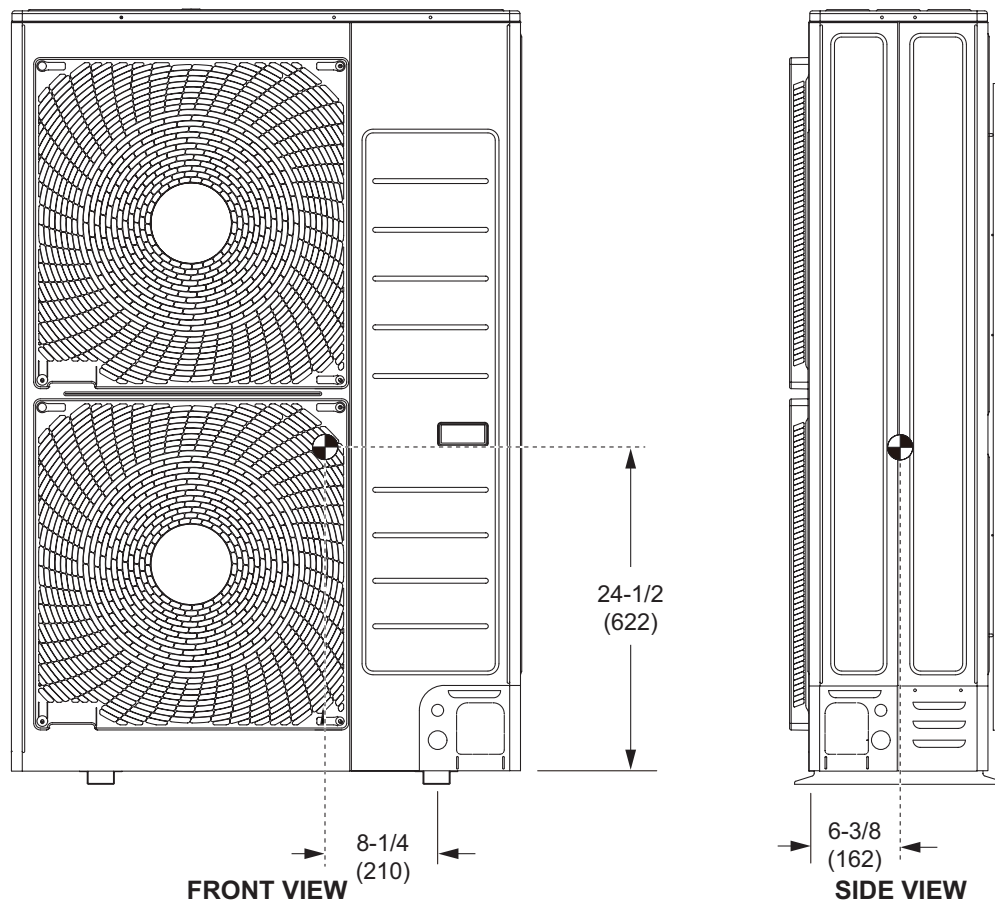
MMPD024S6S

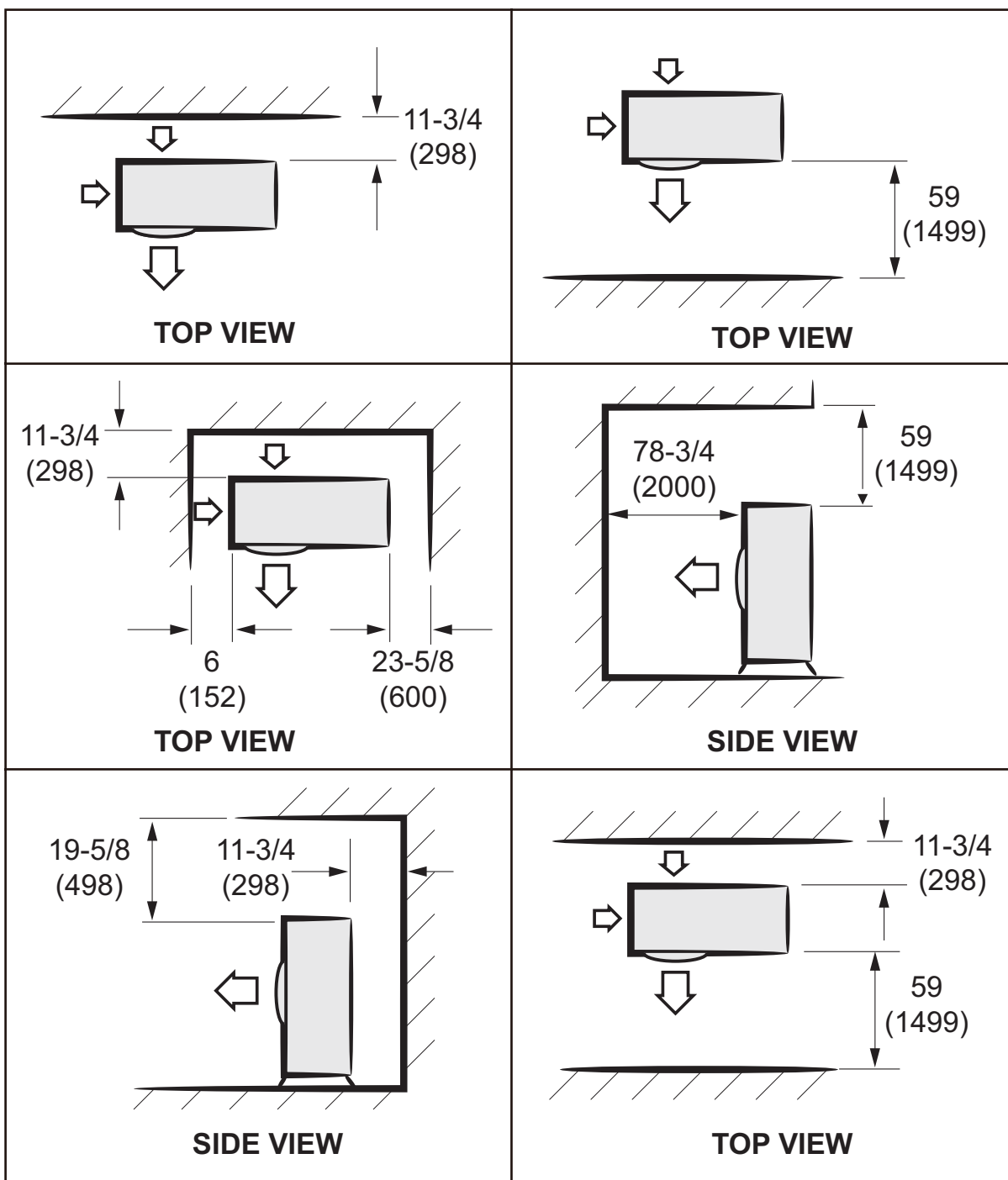


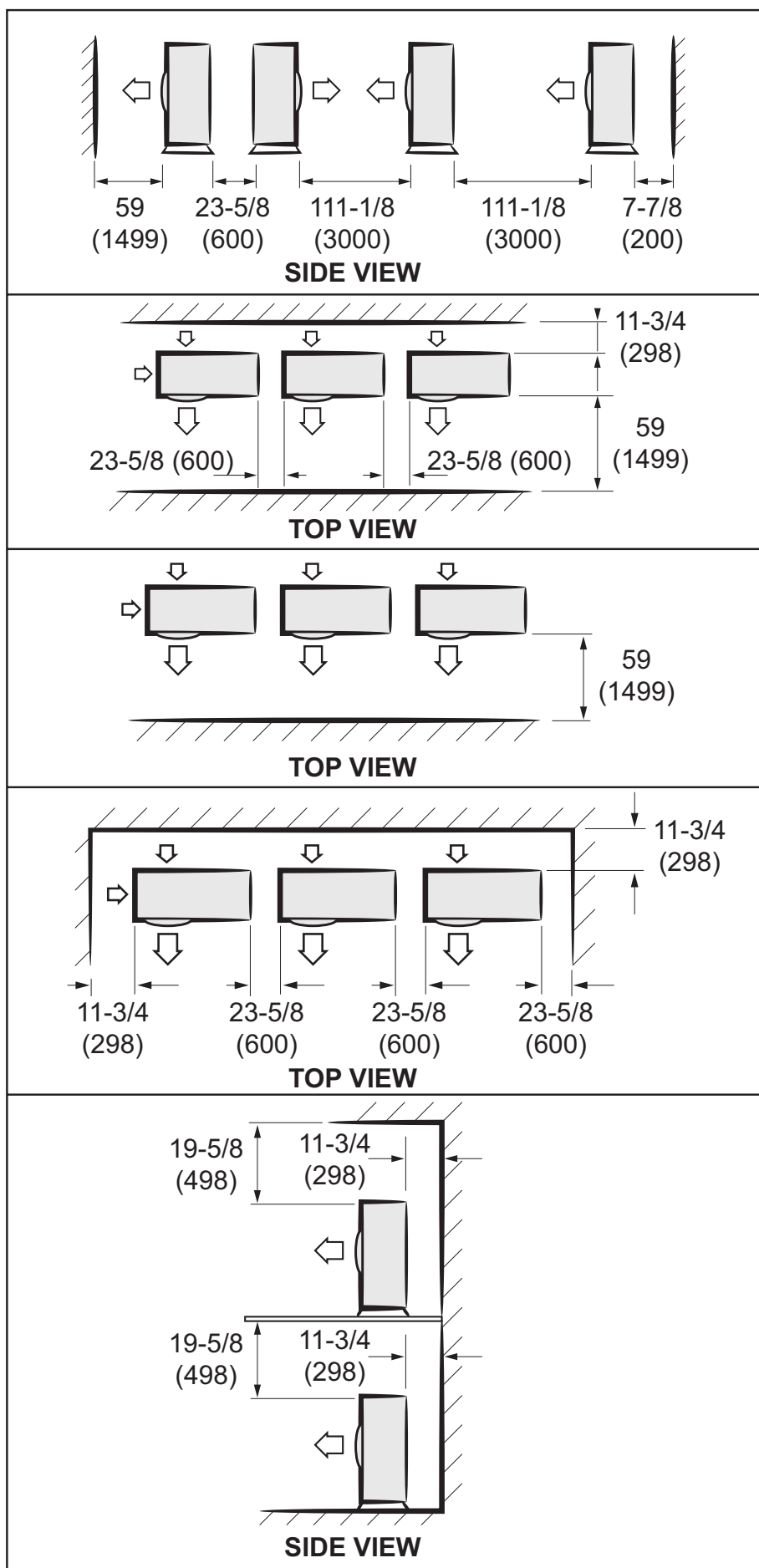
MMPD030 | MMPD036S6S



MMPD048S6S

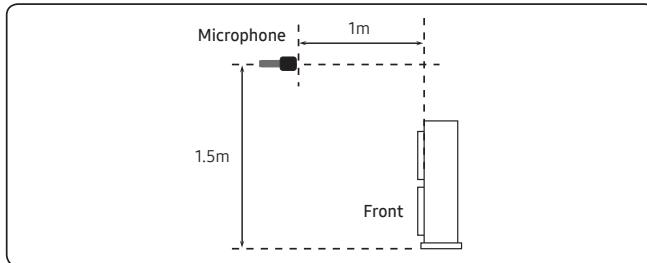






Sound Pressure level

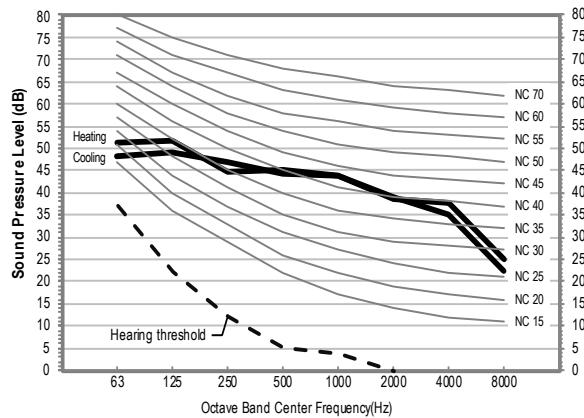
Unit: dB(A)



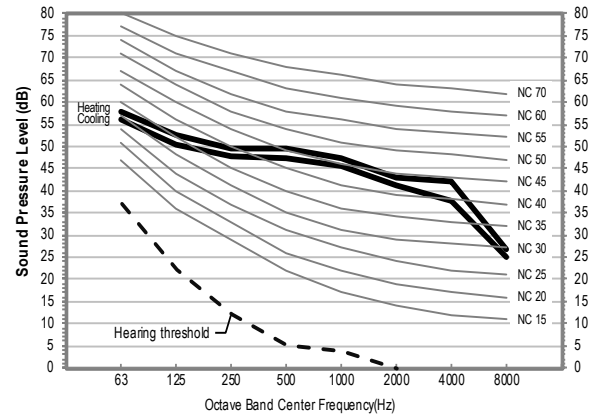
Model	Cooling	Heating
MMPD018S6S-1P	48	48
MMPD024S6S-1P	50	52
MMPD030S6S-1P	50	52
MMPD036S6S-1P	52	54

• NC Curve

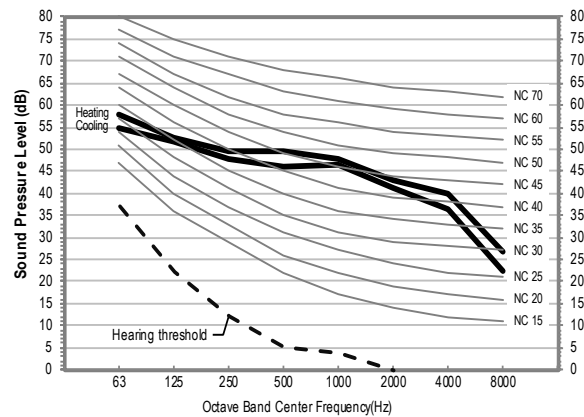
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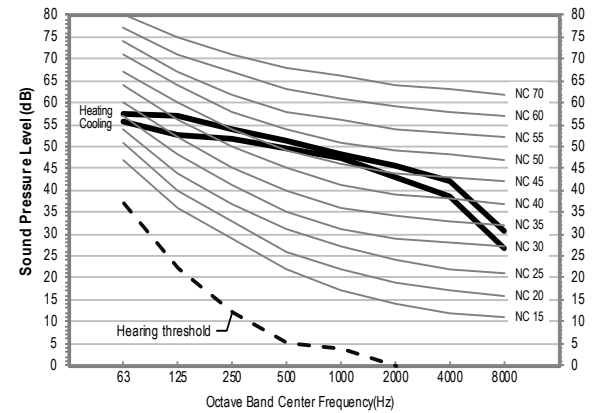
2) MMPD024S6S-1P



3) MMPD030S6S-1P



4) MMPD036S6S-1P

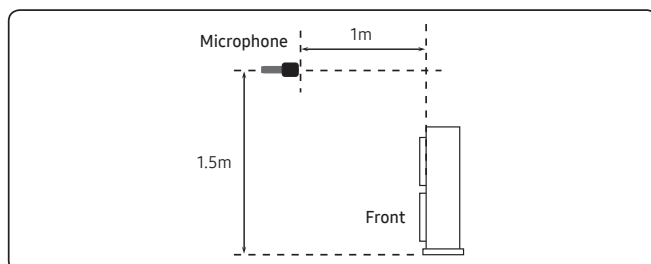


NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

Sound Pressure level

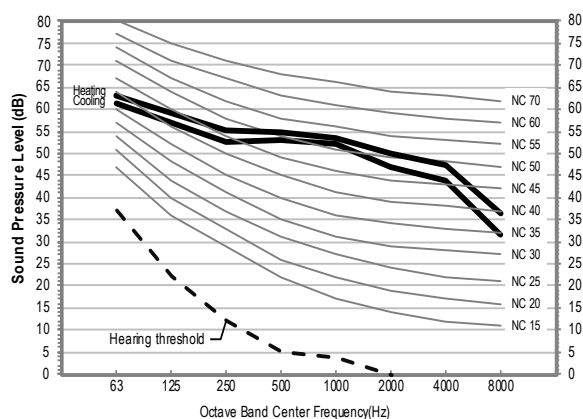
Unit: dB(A)



Model	Cooling	Heating
MMPD048S6S-1P	56	58

• NC Curve

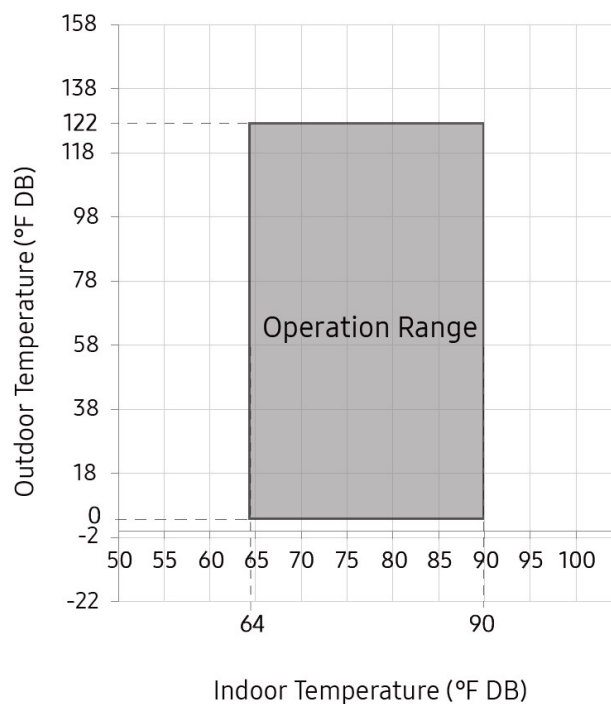
1) MMPD048S6S-1P



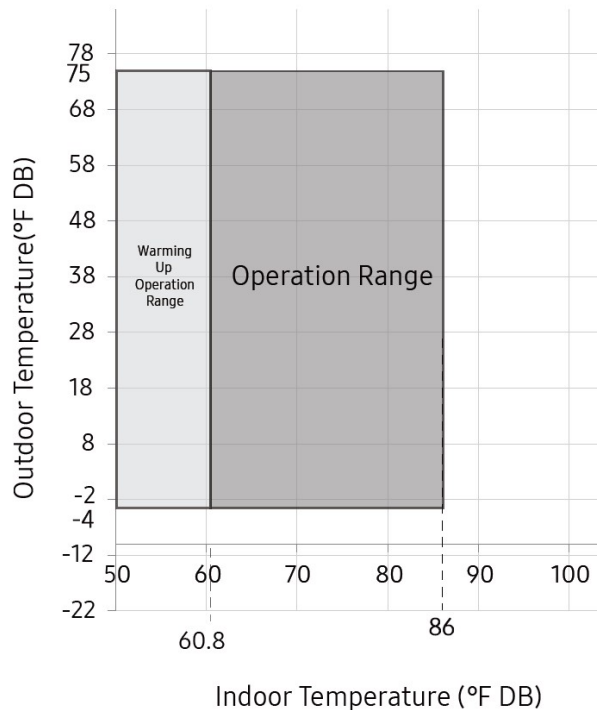
NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

Cooling



Heating



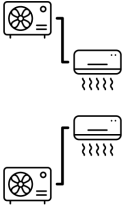
NOTE

- The assumed installation conditions are follows
 - The pipe length(including elbow) is 7.5m(24.6ft).
 - The level difference is 0 m.

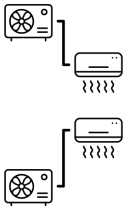
CAPACITY CORRECTION

MMPD018S6S-1P, MMPD024S6S-1P, MMPD030S6S-1P, MMPD036S6S-1P

Cooling

		Pipe Length (ft)									
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0
	Level Difference (ft)	98.4	-	-	-	-	0.95	0.94	0.93	0.92	0.90
		82.0	-	-	-	0.96	0.95	0.94	0.93	0.92	0.90
		65.6	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		49.2	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		32.8	-	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		16.4	1.00	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		0.0	1.00	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		-16.4	1.00	0.98	0.97	0.96	0.95	0.94	0.92	0.90	0.88
		-32.8	-	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.89
		-49.2	-	-	0.97	0.96	0.94	0.93	0.92	0.90	0.88
		-65.6	-	-	0.95	0.94	0.93	0.91	0.89	0.87	0.83
		-82.0	-	-	-	0.94	0.92	0.91	0.89	0.86	0.82
		-98.4	-	-	-	-	0.92	0.90	0.88	0.85	0.80

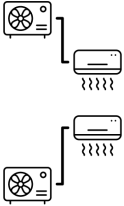
Heating

		Pipe Length (ft)									
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0
	Level Difference (ft)	98.4	-	-	-	-	0.94	0.93	0.92	0.91	0.90
		82.0	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90
		65.6	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		49.2	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		32.8	-	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		16.4	1.00	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		0.0	1.00	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		-16.4	1.00	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		-32.8	-	0.99	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		-49.2	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.90
		-65.6	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90
		-82.0	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90
		-98.4	-	-	-	-	0.94	0.93	0.92	0.91	0.90

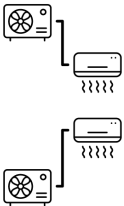
CAPACITY CORRECTION

MMPD048S6S-1P

Cooling

		Pipe Length (ft)														
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180	197	213	230	246
	Level Difference (ft)	98.4	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		82.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		65.6	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		49.2	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		32.8	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		0.0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
		-32.8	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.87	0.85
		-49.2	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84
		-65.6	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.83
		-82.0	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.87	0.85	0.81
		-98.4	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84	0.80

Heating

		Pipe Length (ft)														
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180	197	213	230	246
	Level Difference (ft)	98.4	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		82.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		65.6	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		49.2	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		32.8	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		0.0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-32.8	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-49.2	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-65.6	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-82.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		-98.4	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88

REVISIONS

Sections	Description of Change
Optional Accessories	Disconnect and Whips usage updated.



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