MMLD | Single-Zone | Mixed Indoor

Powered by SAMSUNG

Cold Climate | Heat Pump Outdoor Units | R-32 | 60 Hz

RESIDENTIAL / COMMERCIAL
PRODUCT SPECIFICATIONS (EHB)

SEER2 up to 23.8
HSPF2 up to 10.7
0.75 to 4 Tons
Cooling Capacity - 9,000 to 48,000 Btuh
Heating Capacity - 10,000 to 54,000 Btuh
Heating down to –13°F (–25°C)

MMLD030, MMLD036, MMLD048
Heat Pump Outdoor Units

MMLD024 Heat Pump Outdoor Units

MMLD009 and MMLD012
Heat Pump Outdoor Units

MMLD018 Heat Pump Outdoor Units

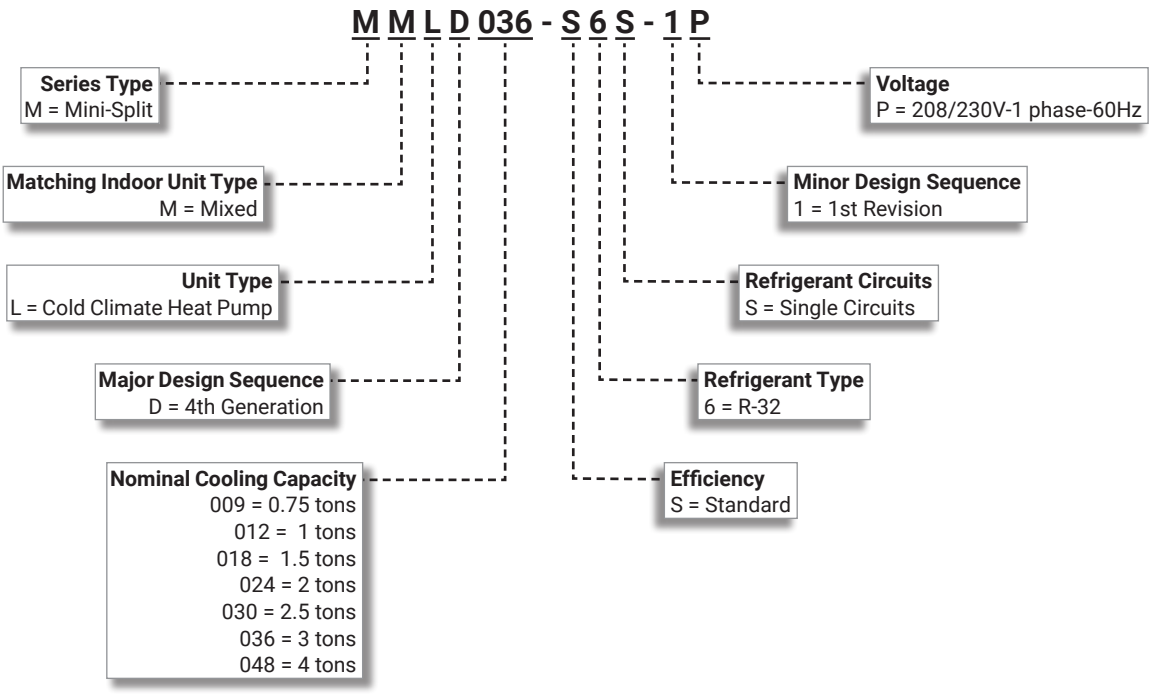
ENERGY STAR COLD CLIMATE

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

Works with Samsung SmartThings

Form Number 211076 | March 2025
Supersedes all previous versions

MODEL NUMBER IDENTIFICATION



CONTENTS

MOBILE APPS

SmartThings

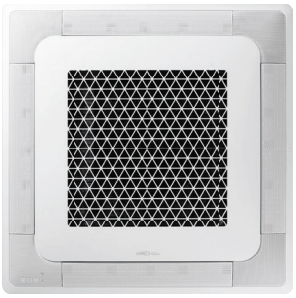
- SmartThings is a free app that uses Wi-Fi to connect smart devices built on the Matter protocol, regardless of the company that makes them
- Users can remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage, as well as troubleshoot solutions 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

Download on the App Store

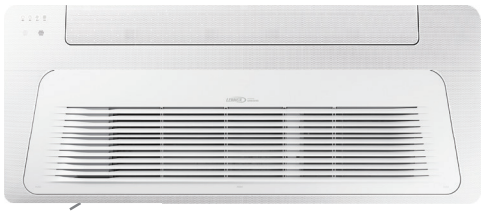
ANDROID APP ON Google play

SYSTEM COMPONENTS

MDDD High Static and
MMDD Medium Static
Ducted Indoor Unit



M22D/M33D Four-Way Cassette
Non-Ducted Indoor Unit



M1WD One-Way Cassette
Non-Ducted Indoor Unit

Wireless Remote Control
(Furnished with
Floor-Mount Console Models
(optional for all other indoor units)

MFMD Floor-Mount Console
Non-Ducted Indoor Unit

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

MMD Multi-Position
Air Handler

MMLD009-012 Outdoor Unit
(not shown - MMLD018 to 048)

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

- Cold climate heating down to –13°F (–25°C)
- 0.75 through 4 ton
- Single phase power supply (208/230V)
- Sound levels as low as 52 dBA
- Ductless mini-split systems provide a wide range of capacities and applications and provide an alternative when a ducted system is impractical or cost prohibitive
- Units shipped completely factory assembled, internally piped, and wired

NOTE - Outdoor unit is designed for outdoor location only.

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

REFRIGERATION SYSTEM

R-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 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

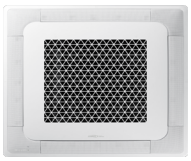
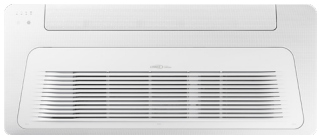
Reversing Valve
- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa
- Valve operates on pressure differential between outdoor unit and indoor unit of the system

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 (M22D/M33D)
- 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
- Single air outlet is suitable for narrow ceilings, such as in lobbies and small meeting rooms (M1WD)
- Optional wireless remote controller, touchscreen wired controller or programmable wired controller available

NOTE - The cassette panel must be ordered separately.

NOTE - See the M1WD/M22D/M33D Product Specifications.

FLOOR MOUNT CONSOLE INDOOR UNITS


- Low-sound, three-speed Floor Mount Console with LED display
- Multi-blade fan distributes air vertically and horizontally with a wide angle sweeping motion
- Unit can sit on the floor or hang low on a wall
- Suitable for replacing a conventional radiator to provide both heating and cooling in almost any space
- Unit features dual air outlets to provide optimized air flow, ensuring that every part of the room reaches a comfortable temperature
- Wireless remote controller furnished
- Optional touchscreen wired controller or programmable wired controller available

NOTE - See the MFMD Product Specifications.

HIGH/MEDIUM 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 and MMDD 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

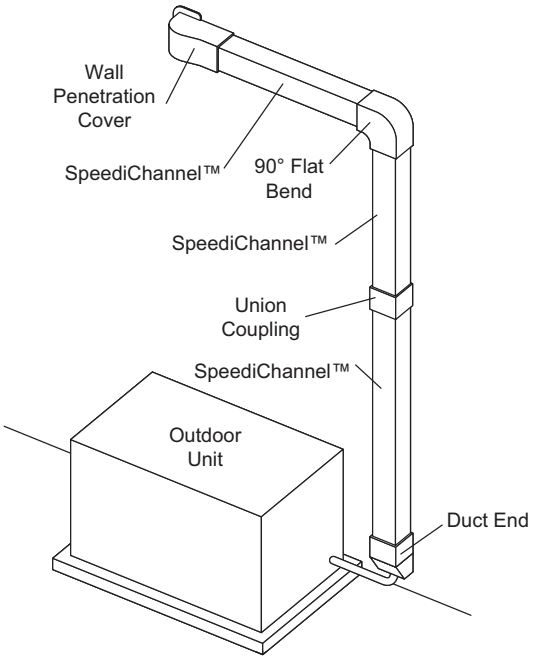
(See Optional Accessories Table on page 10 for Selection)

- 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) SpeediclipsTM, (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

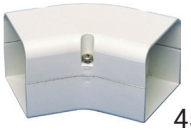
- Wall penetration covers are used to transition from the SpeediChannel™ system to a through wall penetration

- 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

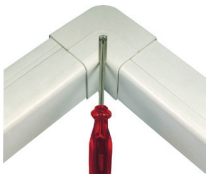


45°

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

SPECIFICATIONS 009-024

Model		MMLD009S6S	MMLD012S6S	MMLD018S6S	MMLD024S6S
Tons		0.75	1	1.25	2
Ambient Temperature Range - °F	Cooling	0 to 122	0 to 122	–4 to 122	–4 to 122
	Heating	–13 to 75	–13 to 75	–13 to 75	–4 to 122
Connections	Liquid (flare) - in.	1/4	1/4	1/4	1/4
	Gas (flare) - in.	3/8	3/8	1/2	5/8
	Basic Pipe Length - ft.	25	25	25	25
	Maximum Pipe Length - ft.	66	66	164	246
Refrigerant	Charge furnished (R-32)	2 lbs. 0 oz.	2 lbs. 0 oz.	3 lbs. 12 oz.	5 lbs. 1 oz.
Compressor	Type	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Output (kW)	1.04	1.04	2.55	2.91
	Refrigerant oil type	POE	POE	POE	POE
	Initial oil charge - oz	11.8	11.8	23.7	40.6
Outdoor Fan	Number and Type	1 Propeller	1 Propeller	1 Propeller	1 Propeller
	cfm	1059	1059	2154	2684
Outdoor Fan Motor	Type	BLDC	BLDC	BLDC	BLDC
	Output (W)	45	45	125	125
Outdoor Coil	Type	Hydrophilic Aluminum Fin/Copper Tube			
Sound Data (dBA)	Cooling	52	55	65	65
Shipping Data	Net	70	70	117	156
	Shipping	74	74	126	167
ELECTRICAL DATA					
Line voltage data (Volts-Phase-Hz)		208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
[1] Maximum Overcurrent Protection (MOCP) amps		15	15	25	30
[2] Minimum circuit ampacity (MCA)		13.9	13.9	22.7	26.7

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

[1] HACR type circuit breaker or fuse.

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

SPECIFICATIONS 030-048

Model		MMLD030S6S	MMLD036S6S	MMLD048S6S
Tons		2.5	3	4
Ambient Temperature Range - °F	Cooling	–4 to 122	–4 to 122	–4 to 122
	Heating	–13 to 75	–13 to 75	–4 to 122
Connections	Liquid (flare) - in.	3/8	3/8	3/8
	Gas (flare) - in.	5/8	5/8	5/8
	Basic Pipe Length - ft.	25	25	25
	Maximum Pipe Length - ft.	246	246	246
Refrigerant	Charge furnished (R-32)	7 lbs. 12 oz.	7 lbs. 11 oz.	7 lbs. 11 oz.
Compressor	Type	Twin Rotary	Twin Rotary	Twin Rotary
	Output (kW)	3.6	3.6	3.6
	Refrigerant oil type	POE	POE	POE
	Initial oil charge - oz	50.7	50.7	50.7
Outdoor Fan	Number and Type	2 Propeller	2 Propeller	2 Propeller
	cfm	4414	4414	4414
Outdoor Fan Motor	Type	BLDC	BLDC	BLDC
	Output (W)	(2) 125	(2) 125	(2) 125
Outdoor Coil	Type	Hydrophilic Aluminum Fin/Copper Tube		
Sound Data (dBA)	Cooling	67	69	70
Shipping Data	Net	212	212	212
	Shipping	234	234	234
ELECTRICAL DATA				
Line voltage data (Volts-Phase-Hz)		208/230-1-60	208/230-1-60	208/230-1-60
[1] Maximum Overcurrent Protection (MOCP) amps		40	40	40
[2] Minimum circuit ampacity (MCA)		35	35.8	36.2

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						
			009	012	018	024	030	036	048
OUTDOOR UNIT									
Line Sets Liquid x Gas OD | Insulation Thickness | Length	1/4 x 3/8 | 3/8 | 25 ft.	**90X53**	•	•					
	1/4 x 3/8 | 3/8 | 50 ft.	**X0258**	•	•					
	1/4 x 1/2 | 3/8 | 25 ft.	**90X52**			•				
	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	**38U95**	•	•					
	Back	**38U89**	•	•					
	Side	**38U96**			•				
	Back	**38U90**			•				
	Side	**38U97**				•			
	Back	**38U91**				•			
	Side	**38U99**					•	•	•
	Back	**38U93**					•	•	•
Wind Baffles	Front	**TBD**	TBD	TBD					
	Back	**38V12**	•	•					
	Front	**38V20**			•				
	Back	**38V14**			•				
	Front	**38V17**				•			
	Back	**38V11**				•			
	Front	**TBD**					TBD	TBD	TBD
	Back	**38V15**					•	•	•
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**	•	•	•	•	N/A	N/A	N/A
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			
MMLD009S6S-1P	M1WD009S6-1P	Non-Ducted	9000	22.1	13.8	12000	9100	9.5	216581320	Yes
MMLD009S6S-1P	M22D009S6-1P	Non-Ducted	9100	22	14	10000	9700	10.6	216581326	Yes
MMLD009S6S-1P	MDDD009S6-1P	Ducted	9000	18.9	12.7	12000	9300	10	216581324	Yes
MMLD009S6S-1P	MFMD009S6-1P	Non-Ducted	9000	21	12.7	10100	8000	9.7	216581328	Yes
MMLD009S6S-1P	MMDD009S6-1P	Ducted	9000	20.1	13.5	12000	8100	9.6	216581322	Yes
MMLD012S6S-1P	M1WD012S6-1P	Non-Ducted	12000	21	12	14000	10500	9.5	216581321	Yes
MMLD012S6S-1P	M22D012S6-1P	Non-Ducted	12000	22	12.6	14000	10700	10.4	216581327	Yes
MMLD012S6S-1P	MDDD012S6-1P	Ducted	12000	18.6	11.7	14000	10800	9.5	216581325	Yes
MMLD012S6S-1P	MFMD012S6-1P	Non-Ducted	10200	21	12.2	13000	7600	9.5	216581329	Yes
MMLD012S6S-1P	MMDD012S6-1P	Ducted	12000	19.6	11.8	14000	8800	9.5	216581323	Yes
MMLD018S6S-1P	M1WD018S6-1P	Non-Ducted	17500	20	12	20000	16000	9.5	215810023	Yes
MMLD018S6S-1P	M22D018S6-1P	Non-Ducted	17000	20.5	12.5	20000	15600	9.5	215810027	Yes
MMLD018S6S-1P	M33D018S6-1P	Non-Ducted	18000	23.8	14.5	20000	12400	9.6	215810024	Yes
MMLD018S6S-1P	MDDD018S6-1P	Ducted	18000	18.3	12	20000	12800	8.9	215810025	Yes
MMLD018S6S-1P	MFMD018S6-1P	Non-Ducted	16000	20	12.2	19000	11900	9.5	216581330	Yes
MMLD018S6S-1P	MMD018S6-1P	Ducted	18000	18	12	20000	14000	8.5	216581331	Yes
MMLD018S6S-1P	MMDD018S6-1P	Ducted	17500	17	11.7	20000	16200	9	215810026	Yes
MMLD024S6S-1P	M33D024S6-1P	Non-Ducted	24000	22	13	27000	18600	10.2	215810028	Yes
MMLD024S6S-1P	MDDD024S6-1P	Ducted	23000	18	12	27000	21600	9.5	215810029	Yes
MMLD024S6S-1P	MMD024S6-1P	Ducted	24000	17.3	11.7	27000	19300	8.8	216581332	Yes
MMLD030S6S-1P	M33D030S6-1P	Non-Ducted	30000	22.8	14.4	34000	27000	10.7	215810030	Yes
MMLD030S6S-1P	MDDD030S6-1P	Ducted	30000	20	13	35000	27000	10	215810031	Yes
MMLD030S6S-1P	MMD030S6-1P	Ducted	30000	19	13	34000	25400	9.7	216581333	Yes
MMLD036S6S-1P	MDDD036S6-1P	Ducted	36000	20	12.8	40000	30600	9.8	215810032	Yes
MMLD036S6S-1P	MMD036S6-1P	Ducted	36000	18.7	12	40000	29000	9.5	216581334	Yes
MMLD048S6S-1P	MDDD048S6-1P	Ducted	47000	18	11.7	54000	41000	9.5	215810033	Yes
MMLD048S6S-1P	MMD048S6-1P	Ducted	48000	18	12	54000	41500	9.5	216581335	Yes

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.

M1WD009S6-1P + MMLD009S6S-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	11.5	9.2	0.75	12.2	9.5	0.77	12.7	9.7	0.78	13.1	10.0	0.80	13.3	9.9	0.81	14.0	9.8	0.82	14.7	9.7	0.84
70	12.3	9.5	0.73	13.0	9.8	0.74	13.5	10.1	0.76	14.0	10.5	0.77	14.2	10.4	0.78	14.9	10.3	0.80	15.7	10.0	0.81
95	8.0	5.7	0.61	8.4	5.9	0.62	8.7	6.1	0.64	9.0	6.3	0.65	9.2	6.2	0.66	9.6	6.2	0.67	10.1	6.1	0.68
115	10.4	8.5	1.54	10.9	8.8	1.57	11.3	9.1	1.60	11.7	9.4	1.63	11.9	9.3	1.65	12.5	9.2	1.68	13.2	9.0	1.71
122	8.0	7.0	1.25	8.4	7.2	1.28	8.7	7.4	1.31	9.0	7.7	1.33	9.2	7.6	1.35	9.6	7.5	1.37	10.1	7.3	1.40

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M1WD009S6-1P + MMLD009S6S-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
–13	5.9	1.39	6.2	1.42	6.5	1.44	6.7	1.47	6.8	1.49	7.1	1.52
–4	7.9	1.41	8.3	1.44	8.6	1.47	8.9	1.50	9.1	1.51	9.5	1.54
14	11.8	2.06	12.4	2.10	12.9	2.14	13.3	2.19	13.6	2.21	14.2	2.25
32	12.4	1.73	13.0	1.76	13.5	1.80	14.0	1.84	14.2	1.86	15.0	1.89
47	10.6	1.10	11.2	1.12	11.6	1.15	12.0	1.17	12.2	1.18	12.9	1.21
75.2	15.3	1.46	16.1	1.49	16.8	1.52	17.3	1.56	17.6	1.57	18.5	1.60

TC = Total Capacity

PI - Power Input

M1WD012S6-1P + MMLD012S6S-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	12.2	9.7	0.75	12.9	10.0	0.77	13.4	10.3	0.78	13.8	10.6	0.80	14.1	10.5	0.81	14.8	10.4	0.82	15.5	10.2	0.84
70	12.7	9.9	0.72	13.4	10.2	0.73	14.0	10.5	0.74	14.4	10.8	0.76	14.7	10.7	0.77	15.4	10.6	0.78	16.2	10.4	0.80
95	10.6	7.7	0.94	11.2	7.9	0.96	11.6	8.1	0.98	12.0	8.4	1.00	12.2	8.3	1.01	12.9	8.2	1.03	13.5	8.1	1.05
115	10.8	8.9	1.51	11.4	9.2	1.54	11.9	9.5	1.57	12.2	9.8	1.60	12.5	9.7	1.62	13.1	9.6	1.65	13.8	9.4	1.68
122	8.5	7.4	1.23	8.9	7.7	1.26	9.3	7.9	1.28	9.6	8.2	1.31	9.8	8.1	1.32	10.3	8.0	1.35	10.8	7.8	1.38

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M1WD012S6-1P + MMLD012S6S-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
–13	6.2	1.37	6.5	1.39	6.8	1.42	7.0	1.45	7.1	1.47	7.5	1.50
–4	8.0	1.38	8.4	1.41	8.7	1.44	9.0	1.47	9.2	1.48	9.6	1.51
14	12.4	2.03	13.0	2.07	13.6	2.11	14.0	2.16	14.3	2.18	15.0	2.22
32	13.0	1.71	13.7	1.75	14.3	1.78	14.7	1.82	15.0	1.84	15.7	1.87
47	12.4	1.33	13.0	1.35	13.6	1.38	14.0	1.41	14.3	1.42	15.0	1.45
75.2	16.1	1.46	16.9	1.49	17.7	1.52	18.2	1.55	18.6	1.57	19.5	1.60

TC = Total Capacity

PI - Power Input

M1WD018S6-1P + MMLD018S6S-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	18.6	13.8	1.31	19.6	14.2	1.33	20.4	14.7	1.36	21.0	15.1	1.39	21.4	15.0	1.40	22.5	14.8	1.43	23.6	14.5	1.46
70	20.1	14.3	1.24	21.2	14.8	1.26	22.1	15.2	1.29	22.8	15.7	1.31	23.2	15.5	1.33	24.4	15.4	1.35	25.6	15.1	1.38
95	15.5	12.0	1.37	16.3	12.3	1.40	17.0	12.7	1.43	17.5	13.1	1.46	17.9	13.0	1.47	18.7	12.9	1.50	19.7	12.6	1.53
115	17.5	13.4	2.68	18.4	13.8	2.73	19.2	14.2	2.79	19.8	14.6	2.85	20.2	14.5	2.88	21.2	14.3	2.93	22.2	14.1	2.99
122	14.4	11.9	2.61	15.2	12.3	2.66	15.8	12.6	2.72	16.3	13.0	2.77	16.6	12.9	2.80	17.4	12.8	2.86	18.3	12.5	2.68

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M1WD018S6-1P + MMLD018S6S-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
–13	15.9	2.37	15.7	2.35	15.6	2.32	15.4	2.30	15.2	2.28	15.1	2.25
–4	18.8	3.19	18.6	3.16	18.4	3.13	18.2	3.10	18.0	3.07	17.8	3.04
14	25.8	3.77	25.5	3.73	25.3	3.70	25.0	3.66	24.8	3.62	24.5	3.59
32	27.2	3.45	26.9	3.42	26.7	3.38	26.4	3.35	26.1	3.32	25.9	3.28
47	20.6	1.89	20.4	1.87	20.2	1.85	20.0	1.83	19.8	1.81	19.6	1.79
75.2	27.2	1.77	26.9	1.75	26.7	1.74	26.4	1.72	26.1	1.70	25.9	1.69

TC = Total Capacity

PI - Power Input

M22D009S6-1P + MMLD009S6S-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	10.1	8.0	0.64	10.6	8.2	0.66	11.0	8.5	0.67	11.4	8.8	0.68	11.6	8.7	0.69	12.2	8.6	0.70	12.8	8.4	0.72
70	11.3	8.7	0.62	11.9	9.0	0.63	12.4	9.3	0.64	12.7	9.6	0.66	13.0	9.5	0.66	13.6	9.4	0.68	14.3	9.2	0.69
95	8.1	5.8	0.61	8.5	6.0	0.62	8.8	6.2	0.64	9.1	6.4	0.65	9.3	6.3	0.66	9.7	6.2	0.67	10.2	6.1	0.68
115	10.1	7.8	1.14	10.6	8.0	1.17	11.0	8.3	1.19	11.4	8.5	1.22	11.6	8.4	1.23	12.2	8.4	1.25	12.8	8.2	1.28
122	7.6	6.7	0.97	8.1	6.9	0.99	8.4	7.1	1.01	8.6	7.3	1.03	8.8	7.3	1.04	9.3	7.2	1.06	9.7	7.1	1.08

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M22D009S6-1P + MMLD009S6S-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
–13	5.7	1.00	6.0	1.03	6.2	1.05	6.4	1.07	6.5	1.08	6.9	1.10
–4	7.7	1.11	8.1	1.13	8.4	1.15	8.7	1.18	8.9	1.19	9.3	1.21
14	11.9	1.66	12.5	1.70	13.1	1.73	13.5	1.77	13.7	1.79	14.4	1.82
32	12.5	1.36	13.1	1.39	13.7	1.42	14.1	1.45	14.4	1.46	15.1	1.49
47	8.8	0.64	9.3	0.65	9.7	0.67	10.0	0.68	10.2	0.69	10.7	0.70
75.2	14.7	1.12	15.5	1.14	16.2	1.17	16.7	1.19	17.0	1.20	17.9	1.23

TC = Total Capacity

PI - Power Input

M22D012S6-1P + MMLD012S6S-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	11.7	9.3	0.79	12.3	9.6	0.80	12.8	9.9	0.82	13.2	10.2	0.84	13.5	10.1	0.84	14.1	10.0	0.86	14.8	9.8	0.88
70	13.3	10.3	0.75	14.0	10.6	0.77	14.6	10.9	0.78	15.0	11.3	0.80	15.3	11.1	0.81	16.1	11.0	0.82	16.9	10.8	0.84
95	10.6	7.7	0.89	11.2	7.9	0.91	11.6	8.1	0.93	12.0	8.4	0.95	12.2	8.3	0.96	12.9	8.2	0.98	13.5	8.1	1.00
115	11.7	9.0	1.43	12.3	9.3	1.46	12.8	9.6	1.49	13.2	9.9	1.52	13.5	9.8	1.54	14.1	9.7	1.57	14.8	9.5	1.60
122	9.0	7.9	1.20	9.5	8.2	1.22	9.9	8.4	1.25	10.2	8.7	1.27	10.4	8.6	1.29	10.9	8.5	1.31	11.5	8.3	1.34

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M22D012S6-1P + MMLD012S6S-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
–13	6.2	1.01	6.5	1.03	6.8	1.05	7.0	1.07	7.1	1.08	7.5	1.10
–4	8.2	1.18	8.6	1.20	9.0	1.23	9.2	1.25	9.4	1.26	9.9	1.29
14	13.0	1.67	13.7	1.71	14.3	1.74	14.7	1.78	15.0	1.79	15.7	1.83
32	13.6	1.37	14.3	1.40	14.9	1.43	15.4	1.46	15.7	1.47	16.5	1.50
47	12.4	1.01	13.0	1.03	13.6	1.05	14.0	1.07	14.3	1.08	15.0	1.10
75.2	16.1	1.12	16.9	1.14	17.7	1.16	18.2	1.19	18.6	1.20	19.5	1.22

TC = Total Capacity

PI - Power Input

M22D018S6-1P + MMLD018S6S-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	17.3	12.8	1.2	18.2	13.2	1.2	19.0	13.7	1.3	19.6	14.1	1.3	19.9	13.9	1.3	20.9	13.8	1.3	22.0	13.5	1.4
70	19.6	13.9	1.2	20.6	14.3	1.2	21.4	14.8	1.2	22.1	15.2	1.2	22.5	15.1	1.2	23.7	14.9	1.3	24.9	14.6	1.3
95	15.0	11.6	1.3	15.8	12.0	1.3	16.5	12.4	1.3	17.0	12.8	1.4	17.3	12.6	1.4	18.2	12.5	1.4	19.1	12.2	1.4
115	17.0	13.0	2.4	17.9	13.4	2.5	18.6	13.8	2.5	19.2	14.2	2.6	19.6	14.1	2.6	20.6	13.9	2.7	21.6	13.7	2.7
122	13.8	11.4	2.2	14.6	11.8	2.3	15.2	12.1	2.3	15.6	12.5	2.4	16.0	12.4	2.4	16.8	12.3	2.5	17.6	12.0	2.5

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M22D018S6-1P + MMLD018S6S-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
–13	15.9	2.8	15.7	2.8	15.6	2.8	15.4	2.7	15.2	2.7	15.1	2.7
–4	20.6	3.2	20.4	3.2	20.2	3.1	20.0	3.1	19.8	3.1	19.6	3.0
14	25.8	3.8	25.5	3.7	25.3	3.7	25.0	3.7	24.8	3.6	24.5	3.6
32	27.2	3.5	26.9	3.4	26.7	3.4	26.4	3.3	26.1	3.3	25.9	3.3
47	20.6	1.9	20.4	1.9	20.2	1.8	20.0	1.8	19.8	1.8	19.6	1.8
75.2	27.2	2.1	26.9	2.1	26.7	2.0	26.4	2.0	26.1	2.0	25.9	2.0

TC = Total Capacity

PI - Power Input

M33D018S6-1P + MMLD009S6S-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	21.0	16.9	1.1	22.1	17.4	1.1	23.0	18.0	1.1	23.8	18.5	1.2	24.2	18.3	1.2	25.4	18.2	1.2	26.7	17.8	1.2
70	22.8	17.9	1.0	24.0	18.4	1.0	25.0	19.0	1.0	25.7	19.6	1.1	26.3	19.4	1.1	27.6	19.2	1.1	28.9	18.8	1.1
95	15.9	12.3	1.2	16.8	12.7	1.2	17.5	13.1	1.2	18.0	13.5	1.2	18.4	13.4	1.3	19.3	13.2	1.3	20.2	13.0	1.3
115	16.7	13.3	1.9	17.6	13.7	1.9	18.3	14.1	1.9	18.9	14.6	2.0	19.3	14.4	2.0	20.2	14.3	2.0	21.3	14.0	2.1
122	15.1	13.9	1.8	15.9	14.3	1.8	16.6	14.8	1.9	17.1	15.2	1.9	17.4	15.1	1.9	18.3	14.9	2.0	19.2	14.6	2.0

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D018S6-1P + MMLD009S6S-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
–13	15.7	1.8	15.5	1.8	15.4	1.8	15.2	1.8	15.0	1.8	14.9	1.7
–4	20.6	2.8	20.4	2.8	20.2	2.8	20.0	2.8	19.8	2.7	19.6	2.7
14	28.8	3.4	28.6	3.3	28.3	3.3	28.0	3.3	27.7	3.2	27.4	3.2
32	33.0	2.8	32.6	2.8	32.3	2.7	32.0	2.7	31.7	2.7	31.4	2.7
47	20.6	1.4	20.4	1.4	20.2	1.4	20.0	1.4	19.8	1.3	19.6	1.3
75.2	37.1	2.0	36.7	2.0	36.4	2.0	36.0	1.9	35.6	1.9	35.3	1.9

TC = Total Capacity

PI - Power Input

M33D024S6-1P + MMLD024S6S-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	20.7	1.0	27.9	21.3	1.1	29.1	22.0	1.1	30.0	22.7	1.1	30.6	22.5	1.1	32.1	22.2	1.1	33.7	21.8	1.2
70	23.8	17.3	1.3	25.0	17.9	1.3	26.1	18.4	1.4	26.9	19.0	1.4	27.4	18.8	1.4	28.8	18.6	1.4	30.2	18.3	1.5
95	21.2	14.7	1.7	22.3	15.1	1.8	23.3	15.6	1.8	24.0	16.1	1.9	24.5	15.9	1.9	25.7	15.8	1.9	27.0	15.4	1.9
115	21.7	17.4	2.7	22.8	17.9	2.8	23.7	18.5	2.8	24.5	19.1	2.9	25.0	18.9	2.9	26.2	18.7	3.0	27.5	18.3	3.0
122	18.0	17.3	2.6	19.0	17.9	2.7	19.8	18.4	2.7	20.4	19.0	2.8	20.8	18.8	2.8	21.8	18.6	2.9	22.9	18.2	2.9

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D024S6-1P + MMLD024S6S-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
–13	19.5	2.6	19.3	2.6	19.1	2.6	18.9	2.5	18.7	2.5	18.5	2.5
–4	27.8	4.9	27.5	4.8	27.3	4.8	27.0	4.7	26.7	4.7	26.5	4.6
14	34.5	4.9	34.2	4.9	33.8	4.8	33.5	4.8	33.1	4.7	32.8	4.7
32	38.9	4.1	38.6	4.0	38.2	4.0	37.8	4.0	37.4	3.9	37.0	3.9
47	27.8	2.3	27.5	2.2	27.3	2.2	27.0	2.2	26.7	2.2	26.5	2.2
75.2	38.9	3.2	38.6	3.2	38.2	3.1	37.8	3.1	37.4	3.1	37.0	3.0

TC = Total Capacity

PI - Power Input

M33D030S6-1P + MMLD030S6S-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
-4	30.5	22.0	1.57	32.1	22.7	1.60	33.5	23.4	1.63	34.5	24.2	1.66	35.2	23.9	1.68	36.9	23.7	1.70	38.8	23.2	1.73
70	33.2	24.0	1.57	34.9	24.7	1.60	36.4	25.5	1.63	37.5	26.3	1.66	38.3	26.0	1.68	40.2	25.7	1.70	42.2	25.2	1.73
95	26.5	19.2	1.96	27.9	19.8	2.00	29.1	20.4	2.04	30.0	21.0	2.08	30.6	20.8	2.10	32.1	20.6	2.12	33.7	20.2	2.16
115	31.8	23.0	3.52	33.5	23.7	3.60	34.9	24.4	3.67	36.0	25.2	3.74	36.7	24.9	3.78	38.6	24.7	3.82	40.5	24.2	3.90
122	29.2	21.1	3.33	30.7	21.7	3.40	32.0	22.4	3.47	33.0	23.1	3.54	33.7	22.9	3.57	35.3	22.6	3.61	37.1	22.2	3.68

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

M33D030S6-1P + MMLD030S6S-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
–13	28.0	3.69	27.7	3.65	27.5	3.61	27.2	3.58	26.9	3.54	26.7	3.51
–4	35.0	3.82	34.7	3.78	34.3	3.75	34.0	3.71	33.7	3.67	33.3	3.64
14	38.5	3.78	38.2	3.75	37.8	3.71	37.4	3.67	37.0	3.64	36.7	3.60
32	40.3	3.66	39.9	3.63	39.5	3.59	39.1	3.56	38.7	3.52	38.3	3.48
47	35.0	2.44	34.7	2.42	34.3	2.39	34.0	2.37	33.7	2.35	33.3	2.32
75.2	43.8	2.56	43.4	2.54	42.9	2.51	42.5	2.49	42.1	2.46	41.7	2.44

TC = Total Capacity

PI - Power Input

MFMD009S6-1P + MMLD009S6S-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	10.0	7.9	0.59	10.5	8.2	0.61	10.9	8.4	0.62	11.3	8.7	0.63	11.5	8.6	0.64	12.0	8.5	0.65	12.7	8.3	0.66
70	10.4	8.0	0.56	10.9	8.3	0.57	11.3	8.5	0.58	11.7	8.8	0.60	11.9	8.7	0.60	12.5	8.6	0.61	13.2	8.4	0.63
95	8.0	5.7	0.66	8.4	5.9	0.67	8.7	6.1	0.69	9.0	6.3	0.70	9.2	6.2	0.71	9.6	6.2	0.72	10.1	6.1	0.74
115	8.8	7.2	1.19	9.2	7.5	1.21	9.6	7.7	1.23	9.9	7.9	1.26	10.1	7.8	1.27	10.6	7.8	1.30	11.1	7.6	1.32
122	7.2	6.7	0.99	7.5	6.9	1.01	7.9	7.1	1.03	8.1	7.3	1.05	8.3	7.2	1.06	8.7	7.1	1.08	9.1	7.0	1.10

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MFMD009S6-1P + MMLD009S6S-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
–13	5.5	1.12	5.8	1.15	6.0	1.17	6.2	1.19	6.3	1.21	6.6	1.23
–4	7.4	1.43	7.8	1.46	8.1	1.49	8.4	1.52	8.6	1.53	9.0	1.56
14	10.9	1.67	11.5	1.70	12.0	1.74	12.4	1.77	12.6	1.79	13.2	1.82
32	11.5	1.39	12.1	1.42	12.6	1.45	13.0	1.48	13.2	1.49	13.9	1.52
47	8.9	0.72	9.4	0.74	9.8	0.75	10.1	0.77	10.3	0.78	10.8	0.79
75.2	14.2	1.18	15.0	1.21	15.6	1.23	16.1	1.26	16.4	1.27	17.2	1.29

TC = Total Capacity

PI - Power Input

MFMD012S6-1P + MMLD012S6S-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	10.4	8.2	0.62	10.9	8.5	0.64	11.4	8.8	0.65	11.7	9.0	0.66	12.0	8.9	0.67	12.6	8.9	0.68	13.2	8.7	0.70
70	10.8	8.4	0.59	11.4	8.6	0.60	11.9	8.9	0.61	12.2	9.2	0.62	12.5	9.1	0.63	13.1	9.0	0.64	13.8	8.8	0.65
95	9.0	6.5	0.78	9.5	6.7	0.80	9.9	6.9	0.81	10.2	7.1	0.83	10.4	7.1	0.84	10.9	7.0	0.86	11.5	6.9	0.87
115	9.2	7.6	1.25	9.7	7.8	1.28	10.1	8.1	1.30	10.4	8.3	1.33	10.6	8.2	1.34	11.1	8.2	1.37	11.7	8.0	1.40
122	7.2	6.7	1.02	7.6	6.9	1.04	7.9	7.1	1.06	8.2	7.3	1.08	8.3	7.3	1.09	8.7	7.2	1.11	9.2	7.1	1.13

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MFMD012S6-1P + MMLD012S6S-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
–13	5.8	1.11	6.1	1.13	6.3	1.15	6.5	1.18	6.6	1.19	7.0	1.21
–4	7.5	1.43	7.9	1.46	8.2	1.49	8.5	1.52	8.7	1.54	9.1	1.57
14	11.5	1.61	12.1	1.65	12.6	1.68	13.0	1.71	13.3	1.73	13.9	1.77
32	12.1	1.36	12.7	1.39	13.2	1.42	13.7	1.44	13.9	1.46	14.6	1.49
47	11.5	1.05	12.1	1.08	12.6	1.10	13.0	1.12	13.3	1.13	13.9	1.15
75.2	15.0	1.16	15.7	1.18	16.4	1.21	16.9	1.23	17.2	1.24	18.1	1.27

TC = Total Capacity

PI - Power Input

MFMD018S6-1P + MMLD018S6S-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
-4	17.0	12.6	0.99	17.9	13.0	1.01	18.6	13.4	1.03	19.2	13.8	1.05	19.6	13.7	1.06	20.6	13.5	1.08	21.6	13.3	1.10
70	18.4	13.1	1.05	19.4	13.5	1.07	20.2	13.9	1.09	20.8	14.4	1.11	21.2	14.2	1.12	22.3	14.1	1.15	23.4	13.8	1.17
95	14.2	11.0	1.23	14.9	11.3	1.26	15.5	11.6	1.28	16.0	12.0	1.31	16.3	11.9	1.32	17.1	11.8	1.35	18.0	11.5	1.38
115	16.0	12.2	2.28	16.8	12.6	2.33	17.5	13.0	2.38	18.1	13.4	2.42	18.4	13.2	2.45	19.4	13.1	2.50	20.3	12.9	2.55
122	13.2	10.9	2.10	13.9	11.2	2.14	14.4	11.5	2.18	14.9	11.9	2.23	15.2	11.8	2.25	15.9	11.7	2.29	16.7	11.4	2.34

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MFMD018S6-1P + MMLD018S6S-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
–13	15.1	2.60	14.9	2.57	14.8	2.55	14.6	2.52	14.5	2.49	14.3	2.47
–4	17.8	2.93	17.6	2.90	17.5	2.87	17.3	2.84	17.1	2.81	16.9	2.78
14	24.5	3.46	24.2	3.43	24.0	3.39	23.8	3.36	23.5	3.33	23.3	3.29
32	25.8	3.17	25.6	3.14	25.3	3.11	25.1	3.07	24.8	3.04	24.6	3.01
47	19.6	1.73	19.4	1.71	19.2	1.70	19.0	1.68	18.8	1.66	18.6	1.65
75.2	25.8	1.63	25.6	1.61	25.3	1.59	25.1	1.58	24.8	1.56	24.6	1.55

TC = Total Capacity

PI - Power Input

MMD018S6-1P + MMLD018S6S-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
-4	21.0	16.9	1.31	22.1	17.4	1.34	23.0	18.0	1.37	23.8	18.5	1.40	24.2	18.3	1.41	25.4	18.2	1.44	26.7	17.8	1.47
70	22.8	17.9	1.20	24.0	18.4	1.22	25.0	19.0	1.25	25.7	19.6	1.28	26.3	19.4	1.29	27.6	19.2	1.31	28.9	18.8	1.34
95	15.9	12.3	1.41	16.8	12.7	1.44	17.5	13.1	1.47	18.0	13.5	1.50	18.4	13.4	1.52	19.3	13.2	1.55	20.2	13.0	1.58
115	16.7	13.3	2.26	17.6	13.7	2.30	18.3	14.1	2.35	18.9	14.6	2.40	19.3	14.4	2.42	20.2	14.3	2.47	21.3	14.0	2.52
122	15.1	13.9	2.16	15.9	14.3	2.20	16.6	14.8	2.25	17.1	15.2	2.30	17.4	15.1	2.32	18.3	14.9	2.36	19.2	14.6	2.41

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD018S6-1P + MMLD018S6S-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
–13	15.7	2.83	15.5	2.80	15.4	2.77	15.2	2.74	15.0	2.72	14.9	2.69
–4	20.6	3.70	20.4	3.67	20.2	3.63	20.0	3.59	19.8	3.56	19.6	3.52
14	28.8	4.38	28.6	4.33	28.3	4.29	28.0	4.25	27.7	4.21	27.4	4.16
32	33.0	4.21	32.6	4.17	32.3	4.13	32.0	4.09	31.7	4.05	31.4	4.01
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	37.1	2.61	36.7	2.58	36.4	2.56	36.0	2.53	35.6	2.51	35.3	2.48

TC = Total Capacity

PI - Power Input

MMD024S6-1P + MMLD024S6S-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
-4	26.5	20.8	1.16	27.9	21.5	1.18	29.1	22.1	1.21	30.0	22.8	1.23	30.6	22.6	1.24	32.1	22.3	1.27	33.7	21.9	1.29
70	23.8	17.4	1.45	25.0	18.0	1.48	26.1	18.5	1.51	26.9	19.1	1.54	27.4	18.9	1.55	28.8	18.7	1.58	30.2	18.3	1.62
95	21.2	14.7	1.93	22.3	15.1	1.97	23.3	15.6	2.01	24.0	16.1	2.05	24.5	15.9	2.07	25.7	15.8	2.11	27.0	15.5	2.15
115	21.7	17.4	2.99	22.8	18.0	3.05	23.7	18.5	3.11	24.5	19.1	3.18	25.0	18.9	3.21	26.2	18.7	3.27	27.5	18.3	3.34
122	18.0	17.3	2.35	19.0	17.9	2.40	19.8	18.4	2.45	20.4	19.0	2.50	20.8	18.8	2.53	21.8	18.6	2.58	22.9	18.2	2.63

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD024S6-1P + MMLD024S6S-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
–13	19.5	2.50	19.3	2.47	19.1	2.45	18.9	2.42	18.7	2.40	18.5	2.37
–4	27.8	4.99	27.5	4.94	27.3	4.89	27.0	4.85	26.7	4.80	26.5	4.75
14	34.5	5.65	34.2	5.59	33.8	5.54	33.5	5.48	33.1	5.43	32.8	5.37
32	38.9	4.07	38.6	4.03	38.2	3.99	37.8	3.95	37.4	3.91	37.0	3.87
47	27.8	2.63	27.5	2.60	27.3	2.58	27.0	2.55	26.7	2.52	26.5	2.50
75.2	38.9	3.28	38.6	3.25	38.2	3.22	37.8	3.19	37.4	3.16	37.0	3.12

TC = Total Capacity

PI - Power Input

MMD030S6-1P + MMLD030S6S-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
-4	30.5	22.0	1.73	32.1	22.7	1.77	33.5	23.4	1.80	34.5	24.2	1.84	35.2	23.9	1.86	36.9	23.7	1.88	38.8	23.2	1.91
70	33.2	24.0	1.73	34.9	24.7	1.77	36.4	25.5	1.80	37.5	26.3	1.84	38.3	26.0	1.86	40.2	25.7	1.88	42.2	25.2	1.91
95	26.5	19.2	2.16	27.9	19.8	2.21	29.1	20.4	2.25	30.0	21.0	2.30	30.6	20.8	2.32	32.1	20.6	2.35	33.7	20.2	2.39
115	31.8	23.0	3.90	33.5	23.7	3.98	34.9	24.4	4.06	36.0	25.2	4.14	36.7	24.9	4.18	38.6	24.7	4.22	40.5	24.2	4.31
122	29.2	21.1	3.68	30.7	21.7	3.76	32.0	22.4	3.83	33.0	23.1	3.91	33.7	22.9	3.95	35.3	22.6	3.99	37.1	22.2	4.07

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD030S6-1P + MMLD030S6S-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
–13	28.0	4.74	27.7	4.70	27.5	4.65	27.2	4.61	26.9	4.56	26.7	4.51
–4	35.0	5.58	34.7	5.53	34.3	5.47	34.0	5.42	33.7	5.36	33.3	5.31
14	38.5	5.15	38.2	5.10	37.8	5.05	37.4	5.00	37.0	4.95	36.7	4.90
32	40.3	4.65	39.9	4.61	39.5	4.56	39.1	4.52	38.7	4.47	38.3	4.43
47	35.0	3.10	34.7	3.07	34.3	3.04	34.0	3.01	33.7	2.98	33.3	2.95
75.2	43.8	3.26	43.4	3.22	42.9	3.19	42.5	3.16	42.1	3.13	41.7	3.10

TC = Total Capacity

PI - Power Input

MMD036S6-1P + MMLD036S6S-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
-4	35.0	25.3	2.40	36.9	26.1	2.45	38.4	26.9	2.50	39.6	27.7	2.55	40.4	27.4	2.58	42.4	27.2	2.60	44.5	26.6	2.65
70	39.8	28.7	2.54	41.9	29.6	2.59	43.7	30.6	2.65	45.0	31.5	2.70	45.9	31.2	2.73	48.2	30.9	2.75	50.6	30.3	2.81
95	31.8	23.0	2.82	33.5	23.7	2.88	34.9	24.4	2.94	36.0	25.2	3.00	36.7	24.9	3.03	38.6	24.7	3.06	40.5	24.2	3.12
115	33.4	24.1	4.46	35.2	24.9	4.55	36.7	25.7	4.64	37.8	26.5	4.74	38.6	26.2	4.79	40.5	25.9	4.83	42.5	25.4	4.93
122	30.3	23.4	4.09	31.8	24.1	4.18	33.2	24.9	4.26	34.2	25.7	4.35	34.9	25.4	4.39	36.6	25.1	4.44	38.5	24.6	4.53

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD036S6-1P + MMLD036S6S-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
–13	33.0	4.98	32.6	4.93	32.3	4.88	32.0	4.83	31.7	4.78	31.4	4.74
–4	41.2	5.66	40.8	5.60	40.4	5.54	40.0	5.49	39.6	5.44	39.2	5.38
14	43.3	5.66	42.8	5.60	42.4	5.54	42.0	5.49	41.6	5.44	41.2	5.38
32	47.4	5.47	46.9	5.41	46.5	5.36	46.0	5.31	45.5	5.25	45.1	5.20
47	41.2	3.77	40.8	3.73	40.4	3.70	40.0	3.66	39.6	3.62	39.2	3.59
75.2	53.6	4.15	53.0	4.11	52.5	4.07	52.0	4.03	51.5	3.99	51.0	3.95

TC = Total Capacity

PI - Power Input

MMD048S6-1P + MMLD048S6S-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
-4	44.6	32.2	3.20	46.9	33.2	3.27	48.9	34.2	3.33	50.4	35.3	3.40	51.4	34.9	3.43	54.0	34.6	3.47	56.7	33.9	3.54
70	46.7	33.7	3.39	49.2	34.8	3.46	51.2	35.9	3.53	52.8	37.0	3.60	53.9	36.6	3.64	56.5	36.2	3.67	59.4	35.5	3.75
95	42.5	30.7	3.76	44.7	31.6	3.84	46.6	32.6	3.92	48.0	33.6	4.00	49.0	33.3	4.04	51.4	32.9	4.08	54.0	32.3	4.16
115	40.8	29.4	5.95	42.9	30.3	6.07	44.7	31.3	6.19	46.1	32.3	6.32	47.0	31.9	6.38	49.4	31.6	6.45	51.8	31.0	6.58
122	33.5	26.0	5.46	35.3	26.8	5.57	36.8	27.6	5.68	37.9	28.4	5.80	38.7	28.2	5.86	40.6	27.9	5.92	42.6	27.3	6.03

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMD048S6-1P + MMLD048S6S-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
–13	38.9	6.04	38.6	5.98	38.2	5.92	37.8	5.87	37.4	5.81	37.0	5.75
–4	47.3	6.83	46.8	6.76	46.4	6.70	45.9	6.63	45.4	6.56	45.0	6.50
14	58.4	8.41	57.8	8.32	57.3	8.24	56.7	8.16	56.1	8.08	55.6	8.00
32	64.0	7.62	63.3	7.54	62.7	7.47	62.1	7.40	61.5	7.32	60.9	7.25
47	55.6	5.25	55.1	5.20	54.5	5.15	54.0	5.10	53.5	5.05	52.9	5.00
75.2	66.8	5.36	66.1	5.31	65.4	5.25	64.8	5.20	64.2	5.15	63.5	5.10

TC = Total Capacity

PI - Power Input

MMDD009S6-1P + MMLD009S6S-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
-4	11.5	9.2	0.72	12.2	9.5	0.74	12.7	9.7	0.75	13.1	10.0	0.77	13.3	9.9	0.77	14.0	9.8	0.79	14.7	9.7	0.80
70	11.9	9.2	0.68	12.6	9.5	0.69	13.1	9.8	0.71	13.5	10.1	0.72	13.8	10.0	0.73	14.5	9.9	0.74	15.2	9.7	0.76
95	8.0	5.7	0.62	8.4	5.9	0.63	8.7	6.1	0.65	9.0	6.3	0.66	9.2	6.2	0.67	9.6	6.2	0.68	10.1	6.1	0.69
115	10.4	8.5	1.50	10.9	8.8	1.53	11.3	9.1	1.56	11.7	9.4	1.59	11.9	9.3	1.61	12.5	9.2	1.64	13.2	9.0	1.67
122	8.0	7.4	1.19	8.4	7.6	1.21	8.7	7.9	1.24	9.0	8.1	1.26	9.2	8.0	1.27	9.6	7.9	1.30	10.1	7.8	1.32

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMDD009S6-1P + MMLD009S6S-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
–13	5.9	1.19	6.2	1.22	6.5	1.24	6.7	1.27	6.8	1.28	7.2	1.31
–4	8.4	1.35	8.8	1.38	9.2	1.40	9.5	1.43	9.7	1.45	10.2	1.47
14	11.8	1.74	12.4	1.78	12.9	1.82	13.3	1.85	13.6	1.87	14.2	1.91
32	12.4	1.47	13.0	1.50	13.6	1.53	14.0	1.57	14.3	1.58	15.0	1.61
47	10.6	0.97	11.2	0.99	11.6	1.01	12.0	1.03	12.2	1.04	12.9	1.06
75.2	15.3	1.24	16.1	1.27	16.8	1.29	17.3	1.32	17.6	1.33	18.5	1.36

TC = Total Capacity

PI - Power Input

MMDD012S6-1P + MMLD012S6S-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
-4	12.2	9.7	0.75	12.9	10.0	0.77	13.4	10.3	0.78	13.8	10.6	0.80	14.1	10.5	0.81	14.8	10.4	0.82	15.5	10.2	0.84
70	12.7	9.9	0.71	13.4	10.2	0.73	14.0	10.5	0.74	14.4	10.8	0.76	14.7	10.7	0.77	15.4	10.6	0.78	16.2	10.4	0.80
95	10.6	7.7	0.95	11.2	7.9	0.97	11.6	8.1	0.99	12.0	8.4	1.01	12.2	8.3	1.02	12.9	8.2	1.04	13.5	8.1	1.06
115	10.8	8.9	1.52	11.4	9.2	1.55	11.9	9.5	1.58	12.2	9.8	1.62	12.5	9.7	1.63	13.1	9.6	1.66	13.8	9.4	1.70
122	8.5	7.9	1.25	8.9	8.1	1.27	9.3	8.4	1.30	9.6	8.6	1.32	9.8	8.6	1.34	10.3	8.5	1.36	10.8	8.3	1.39

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMDD012S6-1P + MMLD012S6S-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
–13	6.2	1.10	6.5	1.12	6.8	1.14	7.0	1.16	7.1	1.18	7.5	1.20
–4	8.8	1.23	9.2	1.26	9.6	1.28	9.9	1.31	10.1	1.32	10.6	1.35
14	12.4	1.63	13.0	1.66	13.6	1.69	14.0	1.73	14.3	1.75	15.0	1.78
32	13.0	1.37	13.7	1.40	14.3	1.43	14.7	1.46	15.0	1.47	15.7	1.50
47	12.4	1.06	13.0	1.09	13.6	1.11	14.0	1.13	14.3	1.14	15.0	1.16
75.2	16.1	1.17	16.9	1.19	17.7	1.22	18.2	1.24	18.6	1.26	19.5	1.28

TC = Total Capacity

PI - Power Input

MMDD018S6-1P + MMLD018S6S-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
-4	18.6	13.8	1.1	19.6	14.2	1.2	20.4	14.7	1.2	21.0	15.1	1.2	21.4	15.0	1.2	22.5	14.8	1.2	23.6	14.5	1.3
70	20.1	14.3	1.2	21.2	14.8	1.2	22.1	15.2	1.2	22.8	15.7	1.3	23.2	15.5	1.3	24.4	15.4	1.3	25.6	15.1	1.3
95	15.5	12.0	1.4	16.3	12.3	1.4	17.0	12.7	1.5	17.5	13.1	1.5	17.9	13.0	1.5	18.7	12.9	1.5	19.7	12.6	1.6
115	17.5	13.4	2.6	18.4	13.8	2.7	19.2	14.2	2.7	19.8	14.6	2.8	20.2	14.5	2.8	21.2	14.3	2.9	22.2	14.1	2.9
122	14.4	11.9	2.4	15.2	12.3	2.4	15.8	12.6	2.5	16.3	13.0	2.6	16.6	12.9	2.6	17.4	12.8	2.6	18.3	12.5	2.7

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MMDD018S6-1P + MMLD018S6S-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
–13	15.9	2.8	15.7	2.8	15.6	2.8	15.4	2.7	15.2	2.7	15.1	2.7
–4	18.8	3.2	18.6	3.2	18.4	3.1	18.2	3.1	18.0	3.1	17.8	3.0
14	25.8	3.8	25.5	3.7	25.3	3.7	25.0	3.7	24.8	3.6	24.5	3.6
32	27.2	3.5	26.9	3.4	26.7	3.4	26.4	3.3	26.1	3.3	25.9	3.3
47	20.6	1.9	20.4	1.9	20.2	1.8	20.0	1.8	19.8	1.8	19.6	1.8
75.2	27.2	1.8	26.9	1.8	26.7	1.7	26.4	1.7	26.1	1.7	25.9	1.7

TC = Total Capacity

PI - Power Input

MDDD009S6-1P+MMLD009S6S-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
-4	11.1	8.9	0.78	11.7	9.1	0.80	12.2	9.4	0.82	12.6	9.7	0.83	12.9	9.6	0.84	13.5	9.5	0.86	14.2	9.3	0.88
70	12.4	9.6	0.72	13.0	9.9	0.74	13.6	10.2	0.75	14.0	10.5	0.77	14.3	10.4	0.78	15.0	10.3	0.79	15.7	10.1	0.81
95	8.0	5.7	0.66	8.4	5.9	0.67	8.7	6.1	0.69	9.0	6.3	0.70	9.2	6.2	0.71	9.6	6.2	0.72	10.1	6.1	0.74
115	11.1	8.6	1.38	11.7	8.9	1.41	12.2	9.2	1.44	12.6	9.5	1.47	12.9	9.4	1.48	13.5	9.3	1.51	14.2	9.1	1.54
122	8.4	7.4	1.15	8.8	7.6	1.18	9.2	7.8	1.20	9.5	8.1	1.23	9.7	8.0	1.24	10.2	7.9	1.26	10.7	7.8	1.29

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD009S6-1P+MMLD009S6S-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
–13	5.9	0.97	6.2	0.99	6.5	1.01	6.7	1.03	6.8	1.04	7.2	1.06
–4	8.2	1.23	8.7	1.26	9.0	1.28	9.3	1.31	9.5	1.32	10.0	1.35
14	12.4	1.61	13.0	1.64	13.6	1.67	14.0	1.71	14.3	1.72	15.0	1.76
32	12.9	1.32	13.6	1.35	14.2	1.38	14.6	1.41	14.9	1.42	15.6	1.45
47	10.6	0.91	11.2	0.93	11.6	0.95	12.0	0.97	12.2	0.98	12.9	1.00
75.2	15.3	1.09	16.1	1.11	16.8	1.13	17.3	1.15	17.6	1.17	18.5	1.19

TC = Total Capacity

PI - Power Input

MDDD012S6-1P + MMLD012S6S-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
-4	11.7	9.3	0.85	12.3	9.6	0.87	12.8	9.9	0.89	13.2	10.2	0.91	13.5	10.1	0.92	14.1	10.0	0.94	14.8	9.8	0.95
70	13.3	10.3	0.82	14.0	10.6	0.83	14.6	10.9	0.85	15.0	11.3	0.87	15.3	11.1	0.88	16.1	11.0	0.89	16.9	10.8	0.91
95	10.6	7.7	0.96	11.2	7.9	0.98	11.6	8.1	1.00	12.0	8.4	1.02	12.2	8.3	1.03	12.9	8.2	1.05	13.5	8.1	1.07
115	11.7	9.0	1.55	12.3	9.3	1.58	12.8	9.6	1.61	13.2	9.9	1.64	13.5	9.8	1.66	14.1	9.7	1.69	14.8	9.5	1.73
122	9.0	7.9	1.32	9.5	8.2	1.34	9.9	8.4	1.37	10.2	8.7	1.40	10.4	8.6	1.41	10.9	8.5	1.44	11.5	8.3	1.47

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD012S6-1P + MMLD012S6S-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
–13	6.2	1.08	6.5	1.10	6.8	1.12	7.0	1.15	7.1	1.16	7.5	1.18
–4	8.8	1.22	9.3	1.25	9.7	1.27	10.0	1.30	10.2	1.31	10.7	1.34
14	13.0	1.81	13.7	1.84	14.3	1.88	14.7	1.92	15.0	1.94	15.7	1.98
32	13.6	1.48	14.3	1.51	14.9	1.54	15.4	1.57	15.7	1.58	16.5	1.62
47	12.4	1.10	13.0	1.12	13.6	1.15	14.0	1.17	14.3	1.18	15.0	1.21
75.2	16.1	1.21	16.9	1.24	17.7	1.26	18.2	1.29	18.6	1.30	19.5	1.33

TC = Total Capacity

PI - Power Input

MDDD018S6-1P + MMLD018S6S-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
-4	21.0	16.9	1.3	22.1	17.4	1.3	23.0	18.0	1.4	23.8	18.5	1.4	24.2	18.3	1.4	25.4	18.2	1.4	26.7	17.8	1.5
70	22.8	17.9	1.2	24.0	18.4	1.2	25.0	19.0	1.2	25.7	19.6	1.3	26.3	19.4	1.3	27.6	19.2	1.3	28.9	18.8	1.3
95	15.9	12.3	1.4	16.8	12.7	1.4	17.5	13.1	1.5	18.0	13.5	1.5	18.4	13.4	1.5	19.3	13.2	1.5	20.2	13.0	1.6
115	16.7	13.3	2.3	17.6	13.7	2.3	18.3	14.1	2.4	18.9	14.6	2.4	19.3	14.4	2.4	20.2	14.3	2.5	21.3	14.0	2.5
122	15.1	13.9	2.2	15.9	14.3	2.2	16.6	14.8	2.2	17.1	15.2	2.3	17.4	15.1	2.3	18.3	14.9	2.4	19.2	14.6	2.4

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD018S6-1P + MMLD018S6S-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
–13	15.7	2.6	15.5	2.6	15.4	2.6	15.2	2.5	15.0	2.5	14.9	2.5
–4	20.6	3.4	20.4	3.4	20.2	3.3	20.0	3.3	19.8	3.3	19.6	3.2
14	28.8	4.0	28.6	4.0	28.3	4.0	28.0	3.9	27.7	3.9	27.4	3.8
32	33.0	3.9	32.6	3.8	32.3	3.8	32.0	3.8	31.7	3.7	31.4	3.7
47	20.6	1.7	20.4	1.7	20.2	1.6	20.0	1.6	19.8	1.6	19.6	1.6
75.2	37.1	2.4	36.7	2.4	36.4	2.4	36.0	2.3	35.6	2.3	35.3	2.3

TC = Total Capacity

PI - Power Input

MDDD024S6-1P + MMLD024S6S-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
-4	26.5	20.8	1.1	27.9	21.5	1.1	29.1	22.1	1.1	30.0	22.8	1.2	30.6	22.6	1.2	32.1	22.3	1.2	33.7	21.9	1.2
70	23.8	17.4	1.4	25.0	18.0	1.4	26.1	18.5	1.4	26.9	19.1	1.4	27.4	18.9	1.5	28.8	18.7	1.5	30.3	18.3	1.5
95	20.3	14.1	1.8	21.4	14.5	1.8	22.3	14.9	1.9	23.0	15.4	1.9	23.5	15.3	1.9	24.6	15.1	2.0	25.9	14.8	2.0
115	21.6	17.4	2.8	22.7	17.9	2.9	23.6	18.4	2.9	24.4	19.0	3.0	24.9	18.8	3.0	26.1	18.6	3.1	27.4	18.3	3.1
122	19.1	18.3	2.7	20.1	18.9	2.8	21.0	19.5	2.9	21.6	20.1	2.9	22.0	19.9	2.9	23.1	19.7	3.0	24.3	19.3	3.1

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD024S6-1P + MMLD024S6S-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
–13	19.5	2.3	19.3	2.3	19.1	2.3	18.9	2.3	18.7	2.3	18.5	2.2
–4	27.8	4.7	27.5	4.7	27.3	4.6	27.0	4.6	26.7	4.5	26.5	4.5
14	34.5	5.3	34.2	5.3	33.8	5.2	33.5	5.2	33.1	5.1	32.8	5.1
32	38.9	3.8	38.6	3.8	38.2	3.8	37.8	3.7	37.4	3.7	37.0	3.6
47	27.8	2.5	27.5	2.4	27.3	2.4	27.0	2.4	26.7	2.4	26.5	2.4
75.2	38.9	3.1	38.6	3.1	38.2	3.0	37.8	3.0	37.4	3.0	37.0	2.9

TC = Total Capacity

PI - Power Input

MDDD030S6-1P + MMLD030S6S-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
-4	30.5	22.0	1.73	32.1	22.7	1.77	33.5	23.4	1.80	34.5	24.2	1.84	35.2	23.9	1.86	36.9	23.7	1.88	38.8	23.2	1.91
70	33.2	24.0	1.73	34.9	24.7	1.77	36.4	25.5	1.80	37.5	26.3	1.84	38.3	26.0	1.86	40.2	25.7	1.88	42.2	25.2	1.91
95	26.5	19.2	2.16	27.9	19.8	2.21	29.1	20.4	2.25	30.0	21.0	2.30	30.6	20.8	2.32	32.1	20.6	2.35	33.7	20.2	2.39
115	31.8	23.0	3.90	33.5	23.7	3.98	34.9	24.4	4.06	36.0	25.2	4.14	36.7	24.9	4.18	38.6	24.7	4.22	40.5	24.2	4.31
122	29.2	21.1	3.68	30.7	21.7	3.76	32.0	22.4	3.83	33.0	23.1	3.91	33.7	22.9	3.95	35.3	22.6	3.99	37.1	22.2	4.07

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD030S6-1P + MMLD030S6S-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
–13	28.8	4.31	28.6	4.27	28.3	4.22	28.0	4.18	27.7	4.14	27.4	4.10
–4	36.1	4.47	35.7	4.42	35.4	4.38	35.0	4.34	34.7	4.29	34.3	4.25
14	39.7	4.42	39.3	4.38	38.9	4.34	38.5	4.29	38.1	4.25	37.7	4.21
32	41.5	4.28	41.1	4.24	40.7	4.20	40.3	4.16	39.8	4.11	39.4	4.07
47	36.1	2.85	35.7	2.83	35.4	2.80	35.0	2.77	34.7	2.74	34.3	2.71
75.2	45.1	3.00	44.6	2.97	44.2	2.94	43.8	2.91	43.3	2.88	42.9	2.85

TC = Total Capacity

PI - Power Input

MDDD036S6-1P + MMLD036S6S-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
-4	35.0	25.3	2.25	36.9	26.1	2.29	38.4	26.9	2.34	39.6	27.7	2.39	40.4	27.4	2.41	42.4	27.2	2.44	44.5	26.6	2.48
70	39.8	28.7	2.38	41.9	29.6	2.43	43.7	30.6	2.48	45.0	31.5	2.53	45.9	31.2	2.55	48.2	30.9	2.58	50.6	30.3	2.63
95	31.8	23.0	2.64	33.5	23.7	2.70	34.9	24.4	2.75	36.0	25.2	2.81	36.7	24.9	2.84	38.6	24.7	2.87	40.5	24.2	2.92
115	33.4	24.1	4.18	35.2	24.9	4.26	36.7	25.7	4.35	37.8	26.5	4.44	38.6	26.2	4.48	40.5	25.9	4.53	42.5	25.4	4.62
122	30.3	23.4	3.83	31.8	24.1	3.91	33.2	24.9	3.99	34.2	25.7	4.07	34.9	25.4	4.12	36.6	25.1	4.16	38.5	24.6	4.24

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

MDDD036S6-1P + MMLD036S6S-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
–13	33.0	5.03	32.6	4.98	32.3	4.93	32.0	4.88	31.7	4.84	31.4	4.79
–4	41.2	5.32	40.8	5.27	40.4	5.22	40.0	5.17	39.6	5.11	39.2	5.06
14	43.3	5.19	42.8	5.14	42.4	5.09	42.0	5.04	41.6	4.99	41.2	4.94
32	47.4	5.02	46.9	4.97	46.5	4.92	46.0	4.88	45.5	4.83	45.1	4.78
47	41.2	3.35	40.8	3.32	40.4	3.28	40.0	3.25	39.6	3.22	39.2	3.19
75.2	53.6	3.85	53.0	3.81	52.5	3.77	52.0	3.74	51.5	3.70	51.0	3.66

TC = Total Capacity

PI - Power Input

MDDD048S6-1P + MMLD048S6S-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
-4	43.7	31.5	3.21	46.0	32.5	3.27	47.9	33.5	3.34	49.4	34.5	3.41	50.3	34.2	3.44	52.9	33.9	3.48	55.5	33.2	3.55
70	45.7	33.0	3.40	48.1	34.1	3.47	50.1	35.1	3.54	51.7	36.2	3.61	52.7	35.8	3.65	55.4	35.5	3.68	58.1	34.8	3.75
95	41.6	30.0	3.77	43.8	31.0	3.85	45.6	31.9	3.93	47.0	32.9	4.01	47.9	32.6	4.05	50.3	32.2	4.09	52.9	31.6	4.17
115	39.9	28.8	5.96	42.0	29.7	6.08	43.8	30.6	6.21	45.1	31.6	6.34	46.0	31.3	6.40	48.3	31.0	6.46	50.7	30.3	6.59
122	32.8	25.4	5.47	34.6	26.2	5.58	36.0	27.0	5.70	37.1	27.8	5.81	37.9	27.6	5.87	39.8	27.3	5.93	41.8	26.7	6.05

TC = Total Capacity

SHC = Sensible Heating Capacity

PI - Power Input

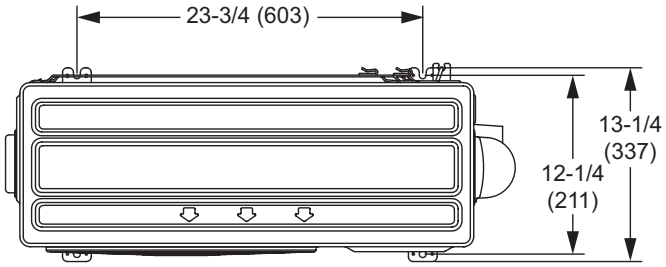
MDDD048S6-1P + MMLD048S6S-1P HEATING CAPACITY

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
–13	38.9	6.24	38.6	6.18	38.2	6.12	37.8	6.06	37.4	6.00	37.0	5.94
–4	47.3	7.06	46.8	6.99	46.4	6.92	45.9	6.85	45.4	6.78	45.0	6.71
14	58.4	8.69	57.8	8.60	57.3	8.52	56.7	8.43	56.1	8.35	55.6	8.26
32	64.0	7.87	63.3	7.80	62.7	7.72	62.1	7.64	61.5	7.57	60.9	7.49
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	66.8	5.54	66.1	5.48	65.4	5.43	64.8	5.38	64.2	5.32	63.5	5.27

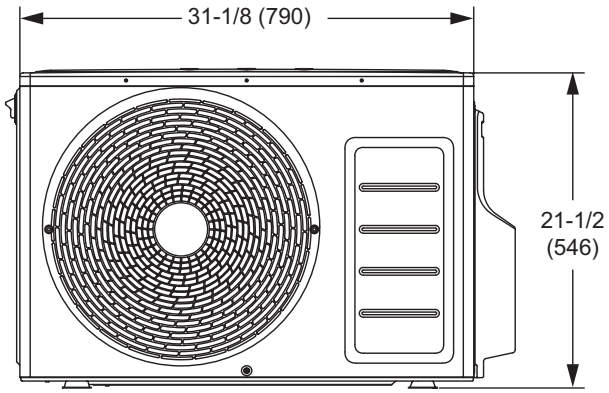
TC = Total Capacity

PI - Power Input

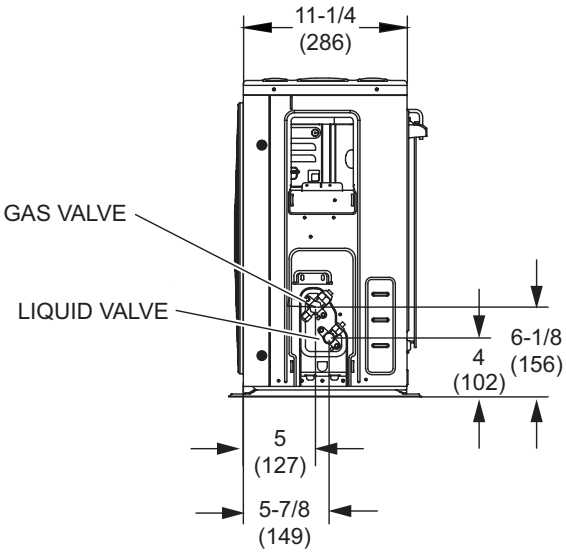
MMLD009S6S | MMLD012S6S



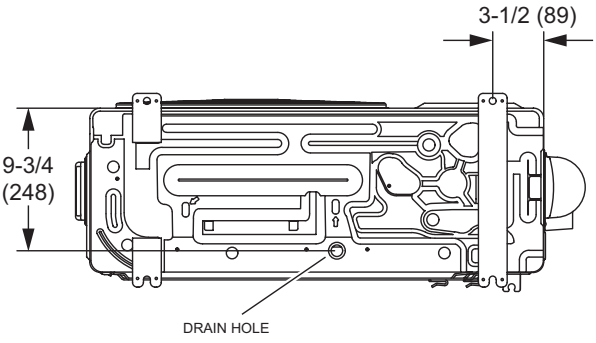
TOP VIEW



FRONT VIEW



SIDE VIEW



BOTTOM VIEW

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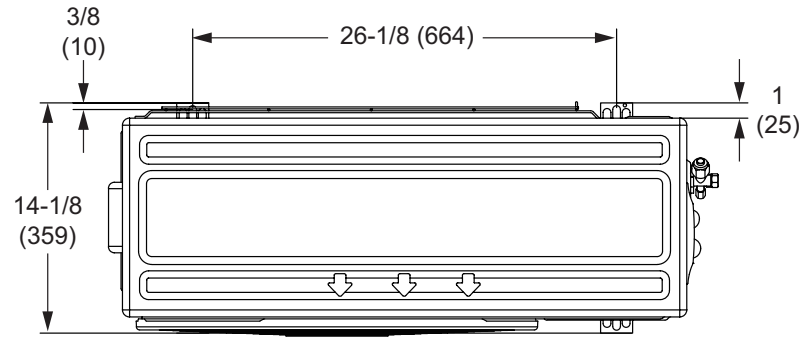
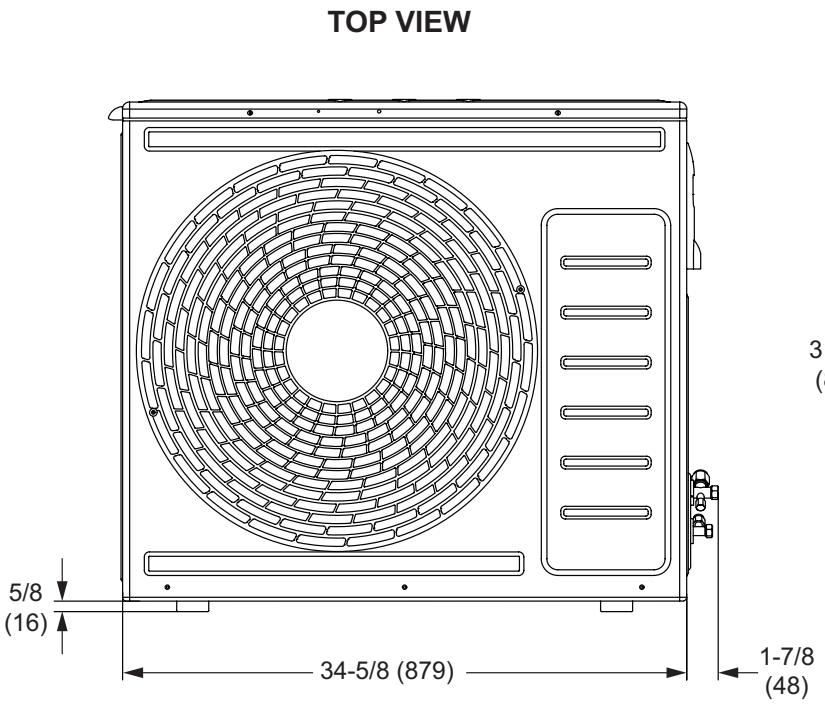
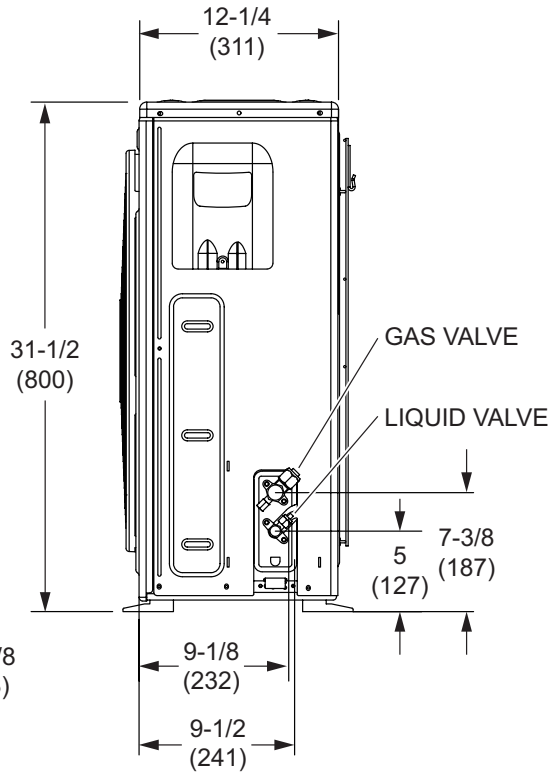


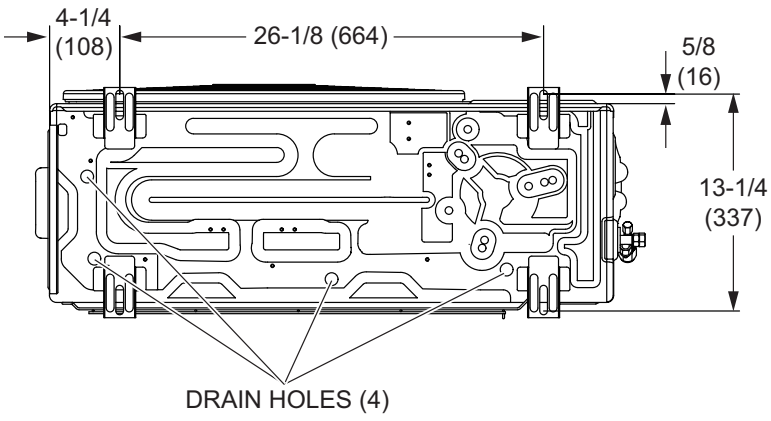
TOP VIEW



FRONT VIEW

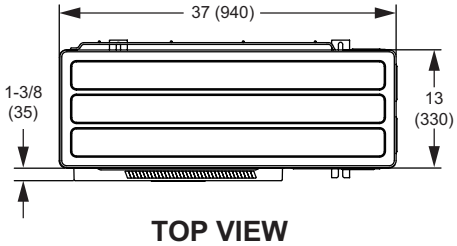


SIDE VIEW

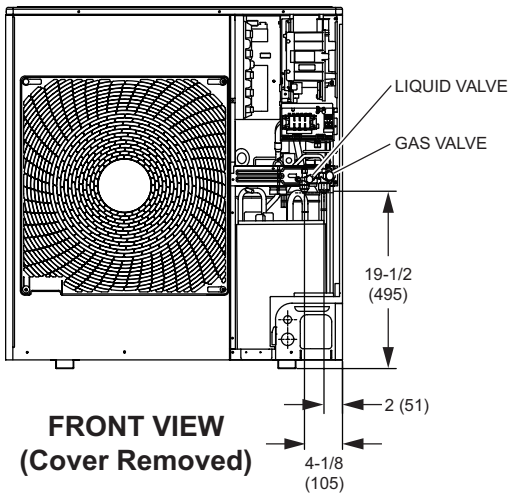


BOTTOM VIEW

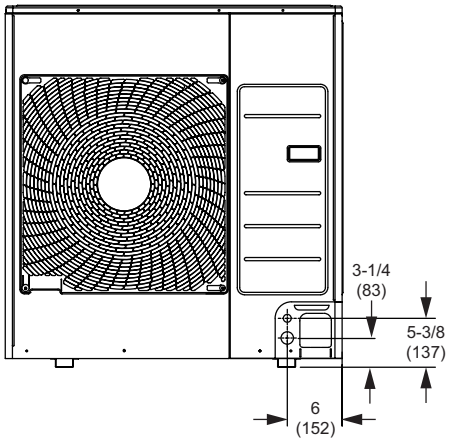
MMLD024S6S



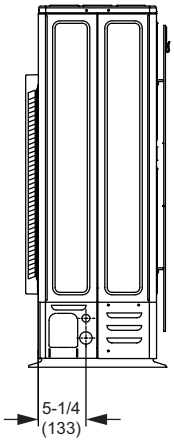
TOP VIEW



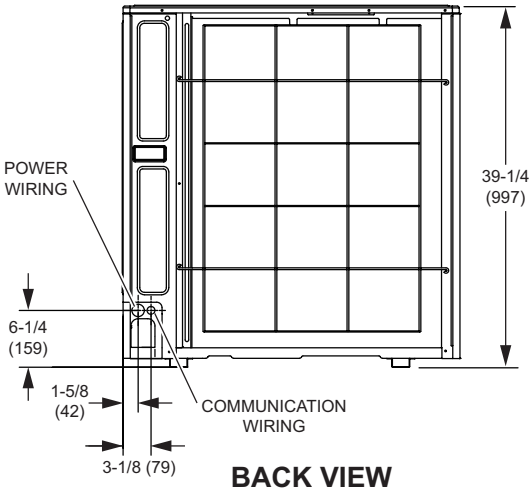
FRONT VIEW
(Cover Removed)



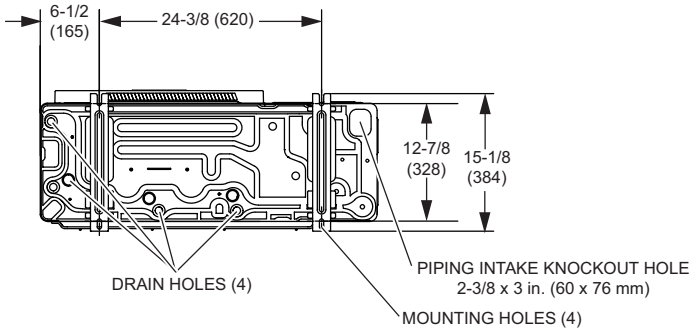
FRONT VIEW



SIDE VIEW

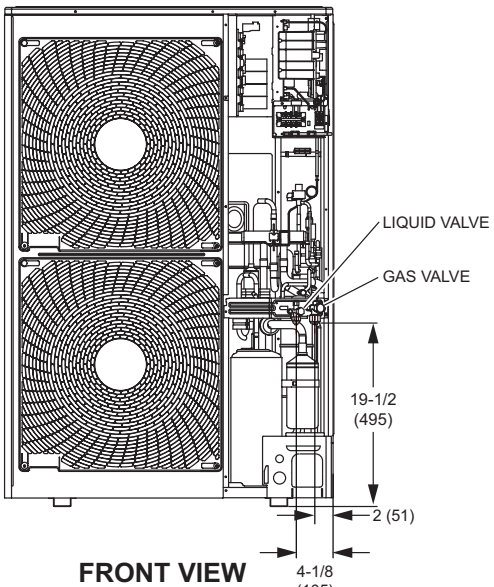


BACK VIEW

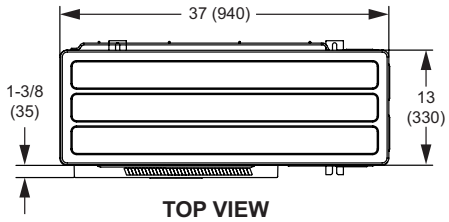


BOTTOM VIEW

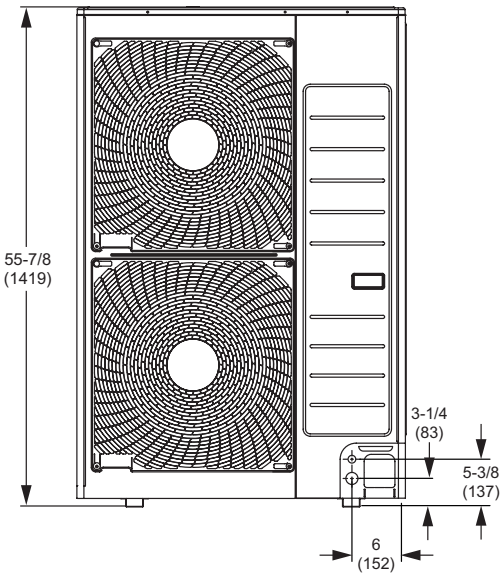
MMLD030S6S | MMLD036S6S | MMLD048S6S



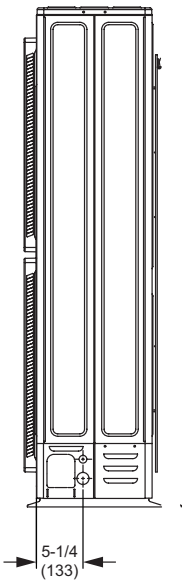
FRONT VIEW
(Cover Removed)



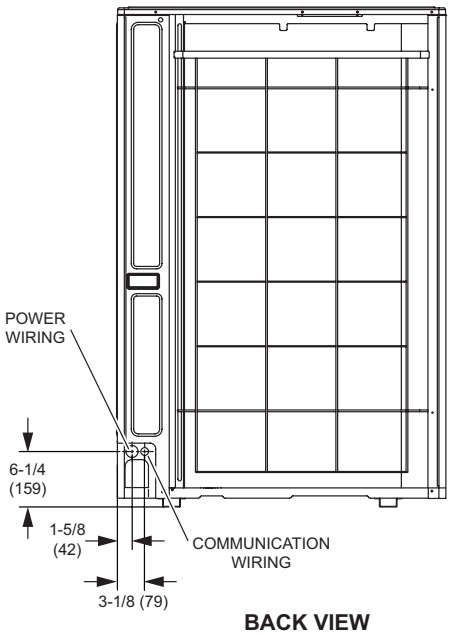
TOP VIEW



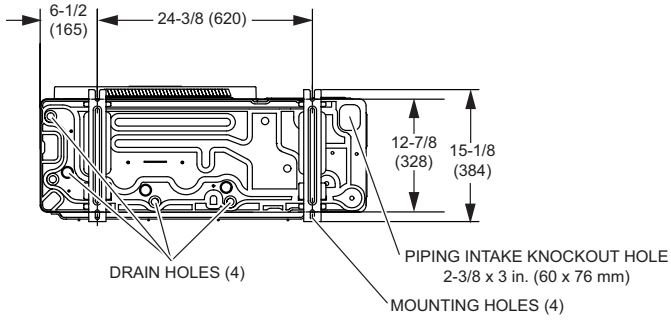
FRONT VIEW



SIDE VIEW

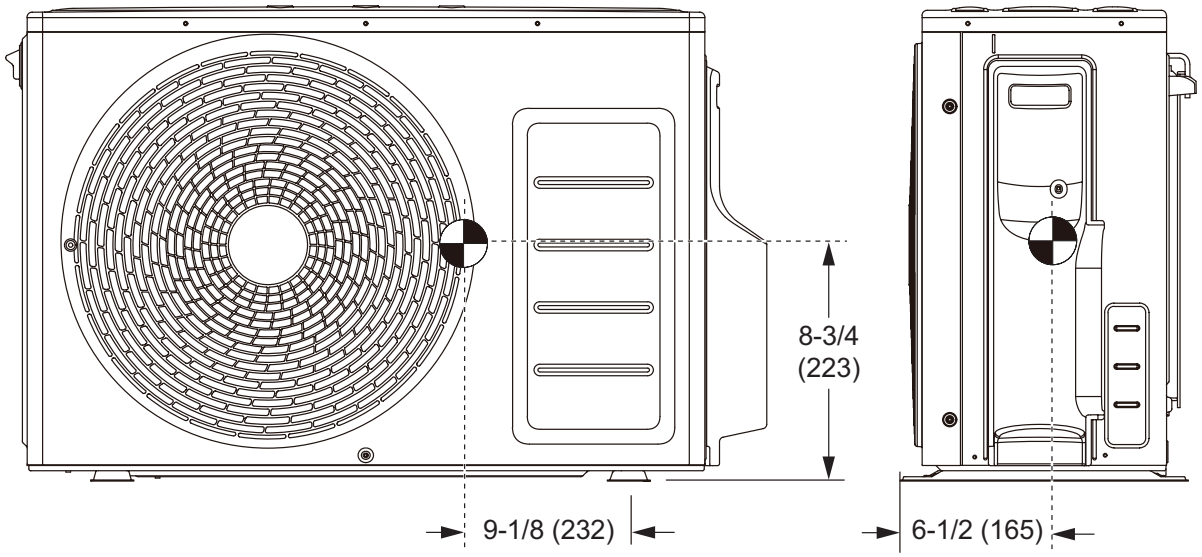


BACK VIEW



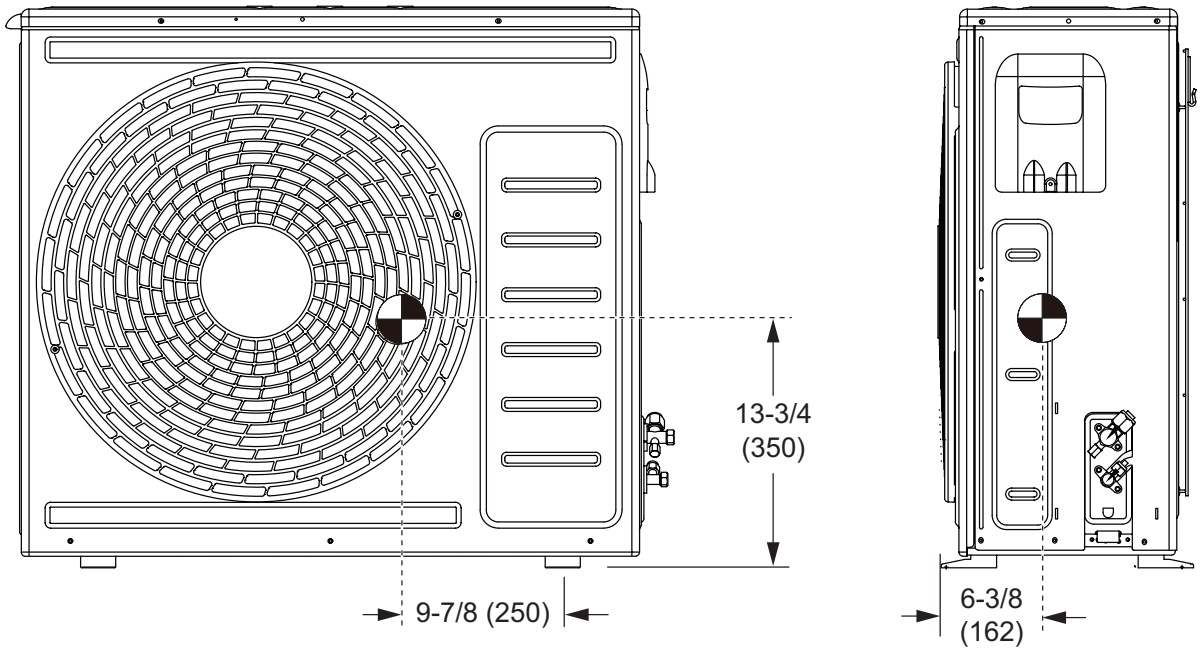
BOTTOM VIEW

MMLD009S6S | MMLD012S6S



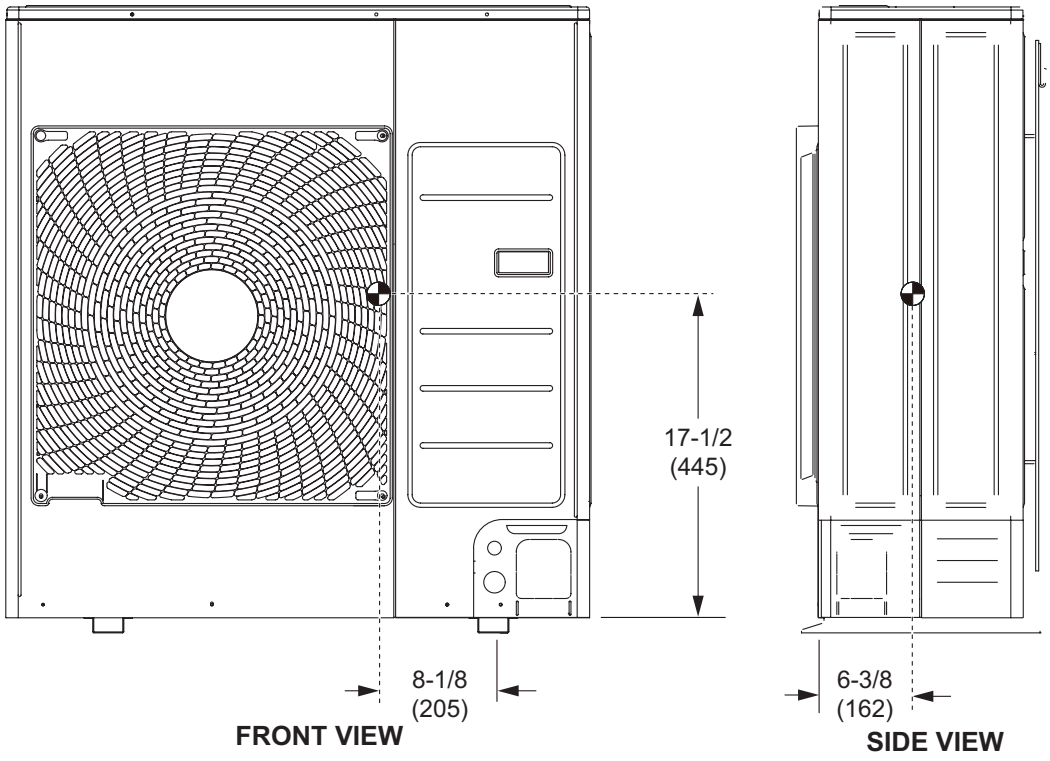
FRONT VIEW SIDE VIEW

MMLD018S6S

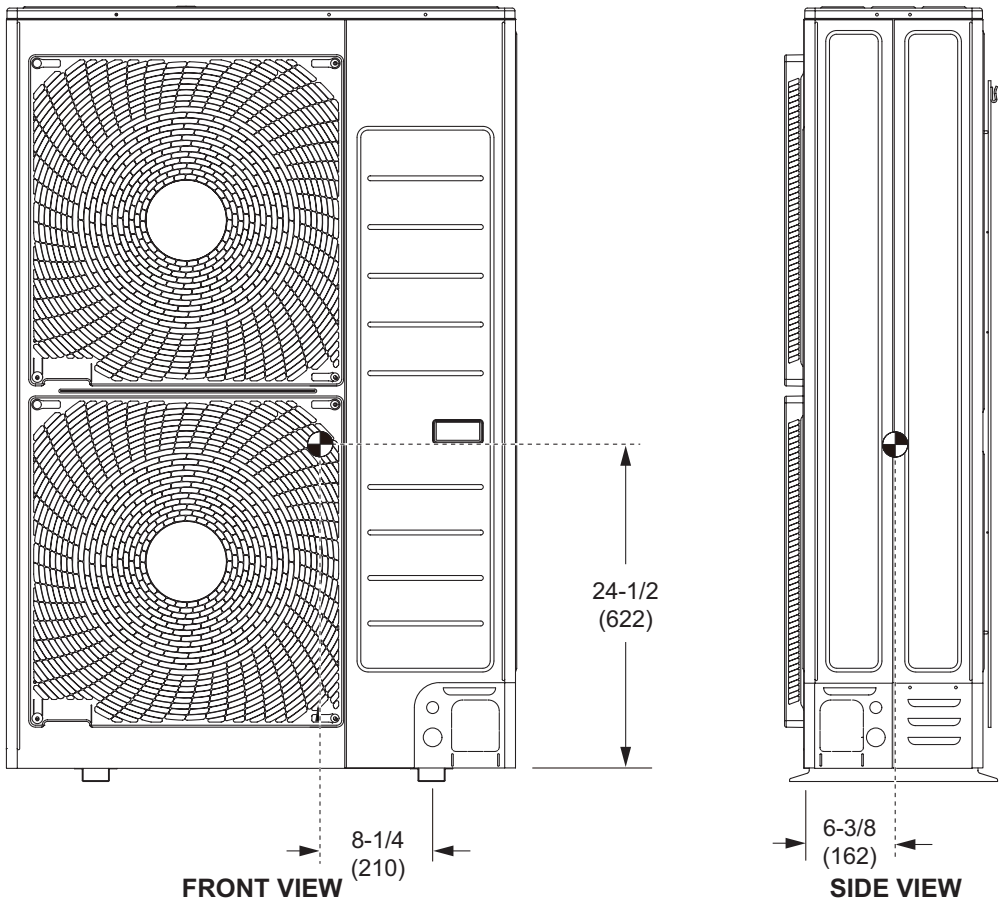


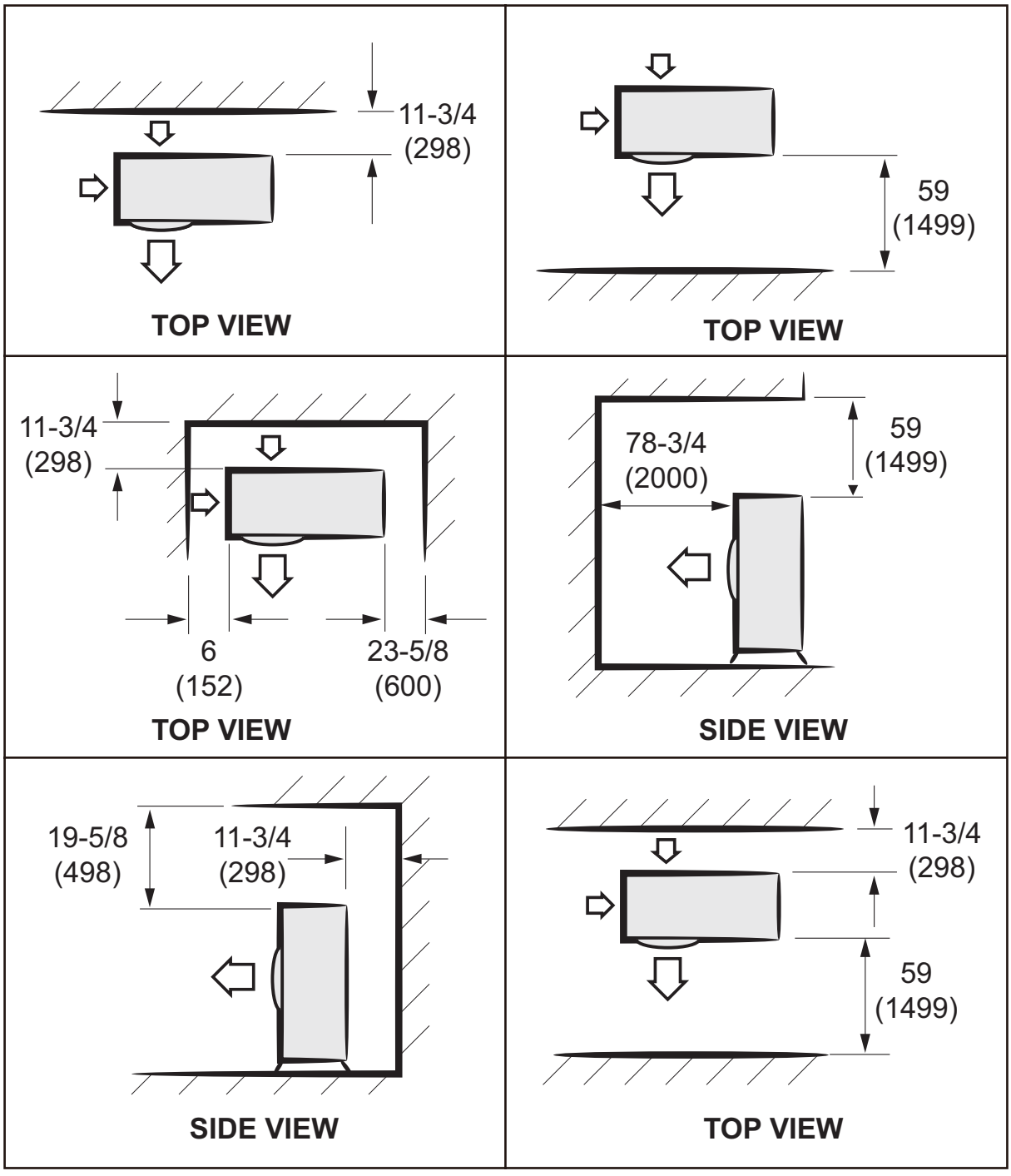
FRONT VIEW SIDE VIEW

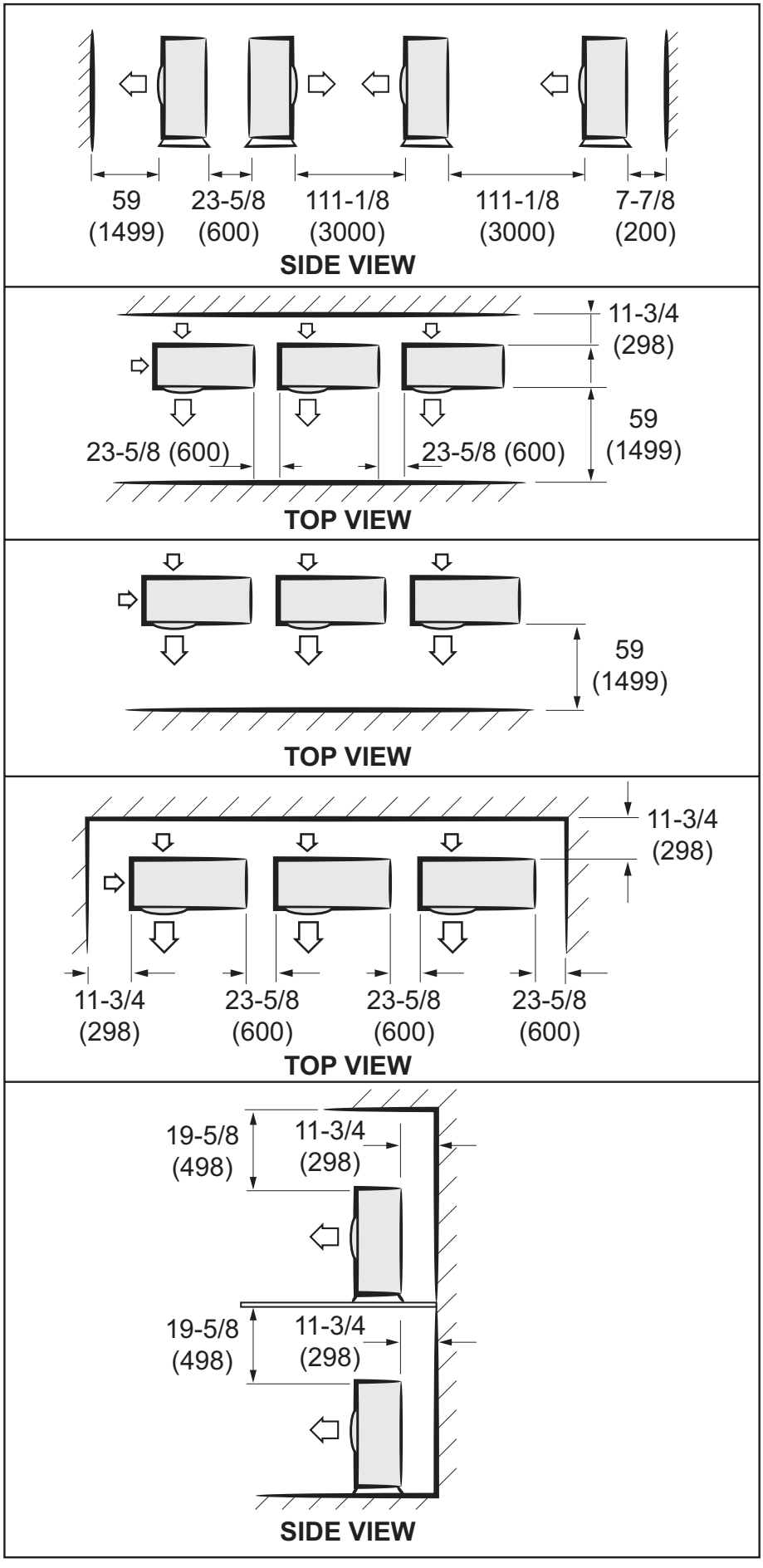
MMLD024S6S



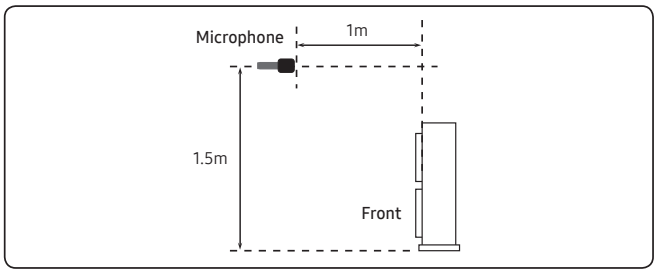
MMLD030S6S | MMLD036S6S | MMLD048S6S




11-3/4
(298)
TOP VIEW
59
(1499)
TOP VIEW
11-3/4
(298)
6
(152)
23-5/8
(600)
TOP VIEW
78-3/4
(2000)
59
(1499)
SIDE VIEW
19-5/8
(498)
11-3/4
(298)
SIDE VIEW
11-3/4
(298)
59
(1499)
TOP VIEW


59
(1499)
23-5/8
(600)
111-1/8
(3000)
111-1/8
(3000)
7-7/8
(200)
SIDE VIEW
11-3/4
(298)
59
(1499)
23-5/8 (600)
23-5/8 (600)
TOP VIEW
59
(1499)
TOP VIEW
11-3/4
(298)
11-3/4
(298)
23-5/8
(600)
23-5/8
(600)
23-5/8
(600)
TOP VIEW
19-5/8
(498)
11-3/4
(298)
19-5/8
(498)
11-3/4
(298)
SIDE VIEW

Sound Pressure level

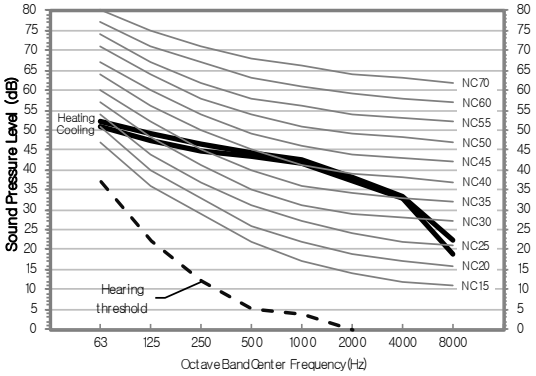


Unit: dB(A)

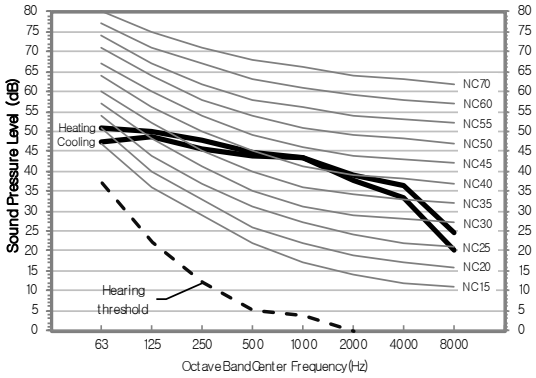
Model	Cooling	Heating
MMLD009S6S-1P	46	47
MMLD012S6S-1P	47	48

- NC Curve

1) MMLD009S6S-1P



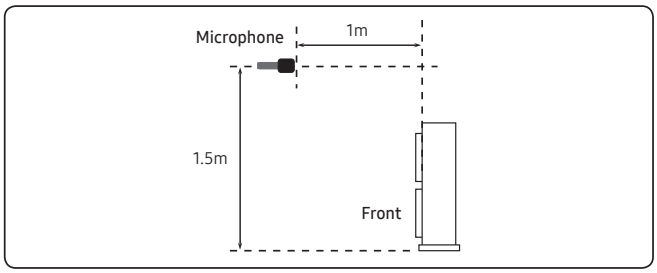
2) MMLD012S6S-1P



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

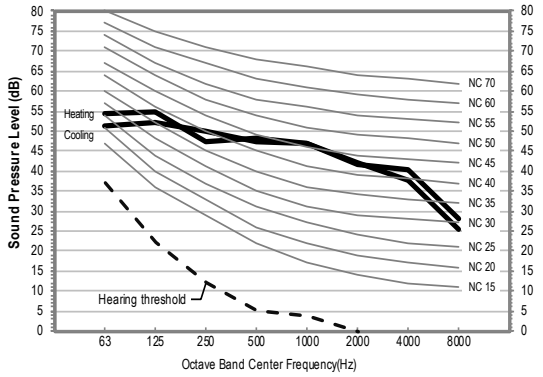


Unit: dB(A)

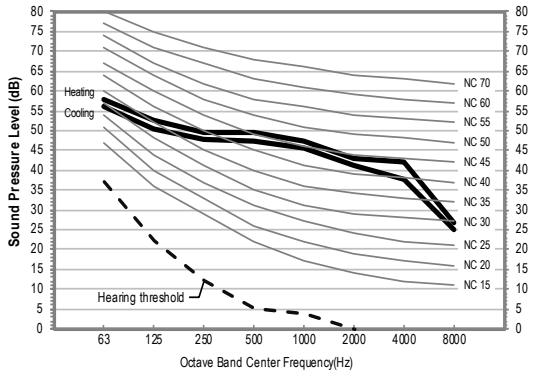
Model	Cooling	Heating
MMLD018S6S-1P	51	51
MMLD024S6S-1P	50	52
MMLD030S6S-1P	49	51
MMLD036S6S-1P	50	52

- NC Curve

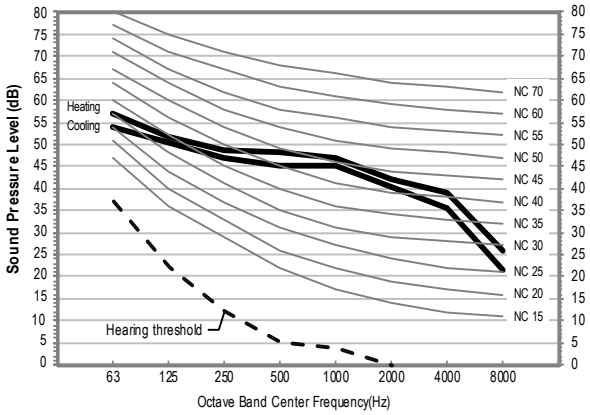
1) MMLD018S6S-1P



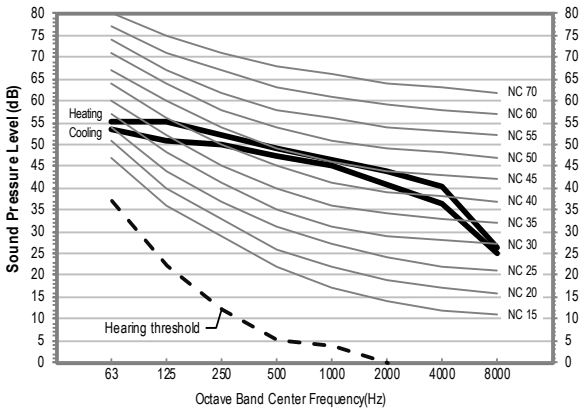
2) MMLD024S6S-1P



3) MMLD030S6S-1P



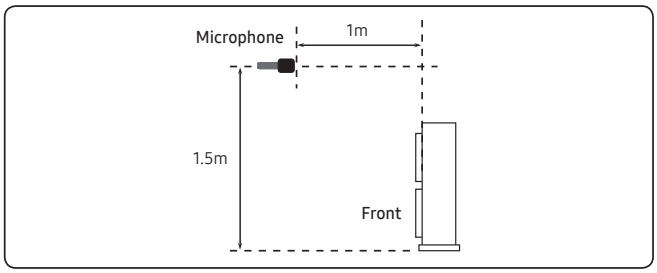
4) MMLD036S6S-1P



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

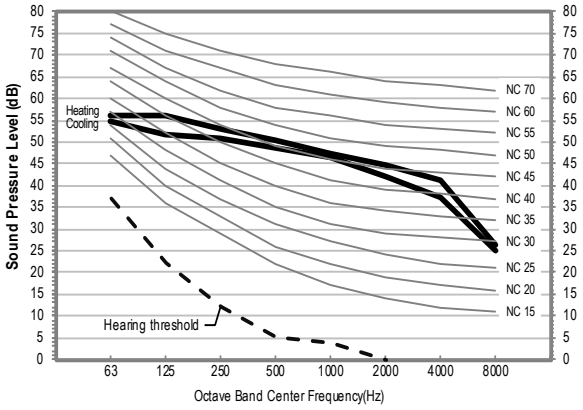


Unit: dB(A)

Model	Cooling	Heating
MMLD048S6S-1P	51	53

- NC Curve

1) MMLD048S6S-1P

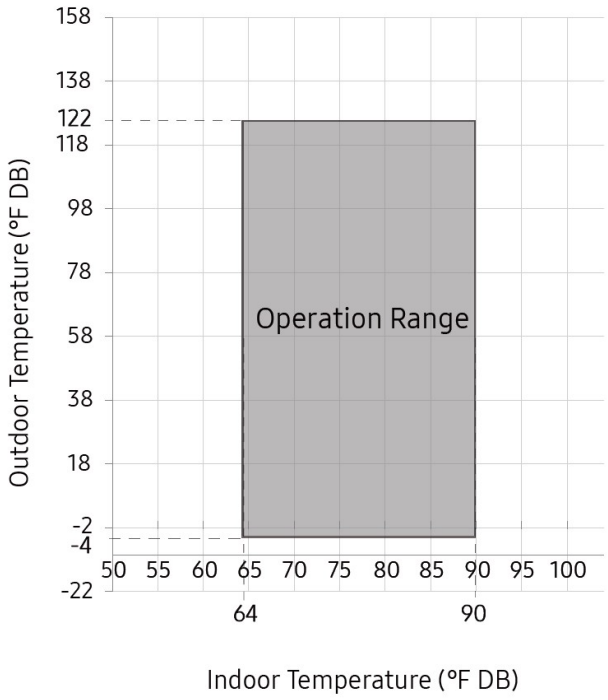


NOTE

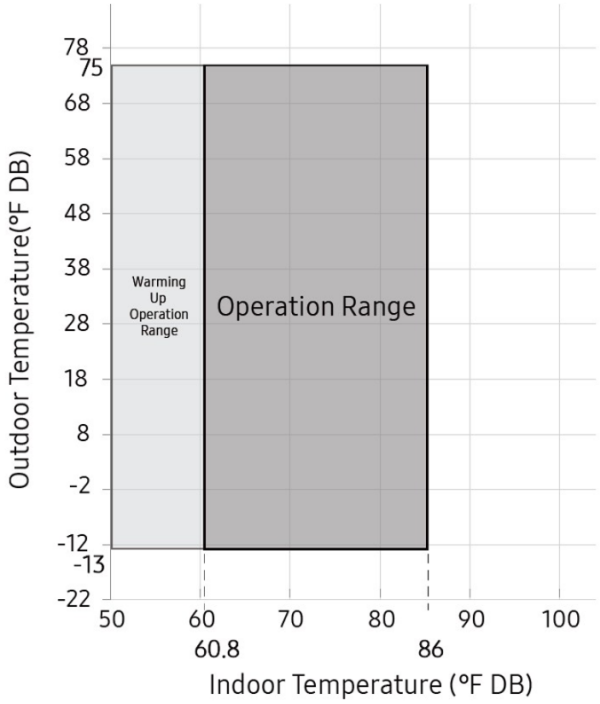
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

OPERATION RANGE

Cooling



Heating

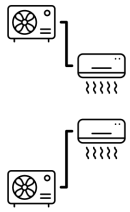


NOTE

- The assumed installation conditions are follows
  - The pipe length (including elbow) is 25 ft. (7.5 m).
  - The level difference is 0 ft. (0 m).

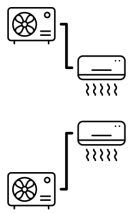
MMLD009S6S-1P, MMLD012S6S-1P

Cooling



		Pipe Length (ft)			
		24.6	32.8	49.2	65.6
Level Difference (ft)	49.2	-	-	0.95	0.93
	32.8	-	0.98	0.95	0.93
	16.4	1.00	0.98	0.95	0.93
	0.0	1.00	0.98	0.95	0.93
	-16.4	1.00	0.97	0.95	0.92
	-32.8	-	0.95	0.94	0.92
	-49.2	-	-	0.93	0.91

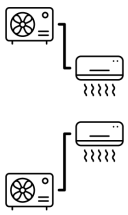
Heating



		Pipe Length (ft)			
		24.6	32.8	49.2	65.6
Level Difference (ft)	49.2	-	-	0.94	0.91
	32.8	-	0.97	0.94	0.91
	16.4	1.00	0.97	0.94	0.91
	0.0	1.00	0.97	0.94	0.91
	-16.4	1.00	0.97	0.94	0.91
	-32.8	-	0.97	0.94	0.91
	-49.2	-	-	0.94	0.91

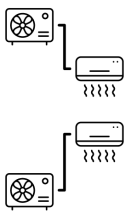
MMLD018S6S-1P, MMLD024S6S-1P

Cooling



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

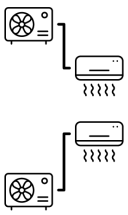
Heating



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

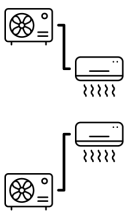
MMLD030S6S-1P, MMLD036S6S-1P, MMLD048S6S-1P

Cooling



Level Difference (ft)	Pipe Length (ft)														
	24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1
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	0.97	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	0.97	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	0.95	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	-	-	0.97	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



Level Difference (ft)	Pipe Length (ft)														
	24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1
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	0.97	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	0.97	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	0.97	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	Updated available accessories.

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