

S-MEXT-GO2-M1-U-006A & PUY-A24NHA7

24,000 BTU/H COOLING ONLY OUTDOOR



Job Name:

System Reference:

Date:



Indoor Unit.....S-MEXT-GO2-M1-U-006A

Outdoor Unit.....PUY-A24NHA7

• A Models

Configuration, type A (base model)	
SKU: S-MEXT-GO2-M1-x-xxxA	
A501	Clogged Filter Sensor
A491	Water Leakage Detector
P622	MERV 8 Air Filter

• B Models

Configuration, type B (with accessories)	
SKU: S-MEXT-GO2-M1-x-xxxB	
A501	Clogged Filter Sensor
A491	Water Leakage Detector
P622	MERV 8 Air Filter
4301	Steam Humidifier 3L/h
P051	Dehumidification Function
P161	T/RH Air Intake Sensor
A431	Electric Heater
4666	External Air Sensor

INDOOR UNIT FEATURES

- Variable-speed EC centrifugal fans
- Safety devices included as standard
 - Alarm for clogged filter (differential pressure for return air filter)
 - Alarm for water presence on the floor (electronic relay + sensor)
 - Alarm for loss of air flow (differential pressure switch)
 - Keyboard display for control and monitoring of operation and alarms
- Easy access Electrical panel with power circuit components and Evolution+ control
- Built-in clock for alarms date and time displaying and storing
 - Built-in memory: up to 200 events recorded
 - Main component hour-meter
 - Non-volatile "Flash" memory for data storage in case of power supply fault
 - Menu with password protection
- LAN network for max 10 units:
 - Balance of units' operating hours (stand-by unit rotation)
 - Stand-by unit activation in case of failure or excessive load
 - Shared user interface (see all units from one single keyboard)

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- Pre-charged with refrigerant volume for piping length up to 70 ft
- Low ambient cooling down to 5°F providing 100% capacity (with wind baffles)
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart
- Superior energy and operational efficiency
- Seacoast protection*
 - External Outer Panel: Phosphate coating + Acrylic-Enamel coating
 - Fan Motor Support: Epoxy resin coating (at edge face)
 - Separator Assembly Valve Bed: Epoxy resin coating (at edge face)
 - Blue Fin treatment is an anti-corrosion treatment that is applied to the Heat exchanger coil to protect it against airborne contaminants.
 - Heat exchanger coil and base panel rated for 2,000 hours in accordance with ASTM B117 testing
- Seacoast protection standard from 2022 production

SPECIFICATIONS: S-MEXT-GO2-M1-U-006A & PUY-A24NHA7

Total Cooling Capacity		BTU/H	22,178
Sensible Cooling Capacity		BTU/H	22,178
Sensible Heat Ratio (SHR)			1
SCOP A			4.26
SCOP B			5.2
SCOP C			5.44
SCOP D			5.72
Integrated SCOP			5.28
Electrical	Voltage, Phase, Frequency		208/230, 1, 60
	Guaranteed Voltage Range	V AC	198 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size [Outdoor]	A	25
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	3.0
	MOCP	A	6
	Fan Quantity		1
	Fan Motor Type		DC Motor
	Fan Motor Output	W	0.3
	Fan Motor Full Load Amperage	A	2.4
	Fan Airflow	CFM	1,315
	Drain Pipe Size	In. [mm]	3/4 [19]
	Heat exchanger		Cross fin (Aluminum fin and copper tube)
	External Finish Color		Galvanised steel sheet with epoxy powder coat
	Unit Dimensions	W x D x H: In. [mm]	23-5/8 x 19-11/16 x 77-61/64 [600 x 500 x 1,980]
	Unit Weight		253 [115]
Outdoor Unit	MCA	A	19
	MOCP	A	26
	Fan Motor Full Load Amperage	A	0.4
	Fan Motor Output	W	86
	Airflow Rate [Cooling / Heating]	CFM	1,940
	Refrigerant Control		LEV
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger		Blue Fin Coating***
	Sound Pressure Level, Cooling ¹	dB(A)	47
	Compressor Type		INVERTER-driven twin rotary
	Compressor Model		SNB172FWHM1
	Compressor Rated Load Amps	A	7
	Compressor Locked Rotor Amps	A	11.0
	Compressor Oil [Type // Charge]	oz.	FV50S // 23
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		N/A
	Unit Dimensions	W x D x H: In. [mm]	37-13/32 x 13 (+1-3/16) x 37-1/8 [950 x 330 (+30) x 943]
	Package Dimensions	W x D x H: In. [mm]	40-15/16 x 17-11/16 x 40-11/16 [1,040 x 450 x 1,033]
	Unit Weight	Lbs. [kg]	151 [68]
Outdoor Unit Operating Temperature Range	Package Weight	Lbs. [kg]	176 [80]
	Cooling Air Temp [Maximum / Minimum]*	°F	115 DB / 5 DB
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	7.0, 11.0
	Maximum Pre-Charged Piping Length	Ft. [m]	70.0 [20.0]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0.3 [22.5]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
	Maximum Piping Length	Ft. [m]	225 [68]
	Maximum Height Difference	Ft. [m]	100 [30]
	Maximum Number of Bends		15
	Humidifier Water Intake (ISO 228/1)	In [mm]	3/4 [26.4]
	Humidifier Water Discharge (Smooth Pipe)	In [mm]	1-1/4 [32]

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed) ¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

- Wind baffles required to operate below 23°F DB in cooling mode.
- Cooling-only system with advanced wind baffle: 5°F - 115°F.
- Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):

- System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

***Blue Fin Coating Standard from 2022 production:

- PU(Y/Z)-A(12/18)NKA7 - Beginning with serial number 12U*****
- PU(Y/Z)-A(24/30/36/42)NKA7 - Beginning with serial number 12U*****

INDOOR UNIT ACCESSORIES: S-MEXT-GO2-M1-U-006A

Empty Plenum (Downflow)	☐ P031
Empty Plenum (Upflow)	☐ P011
Plenum + 3 Grilles (Downflow)	☐ P014
Plenum + 3 Grilles (Upflow)	☐ P013
Silenced Intake Plenum	☐ P033
Silenced Plenum + 1 Grille	☐ P016
Support Frame (255-350mm Height)	☐ P041
Support Frame (355-450mm Height)	☐ P042
Support Frame (400-510mm Height)	☐ P043

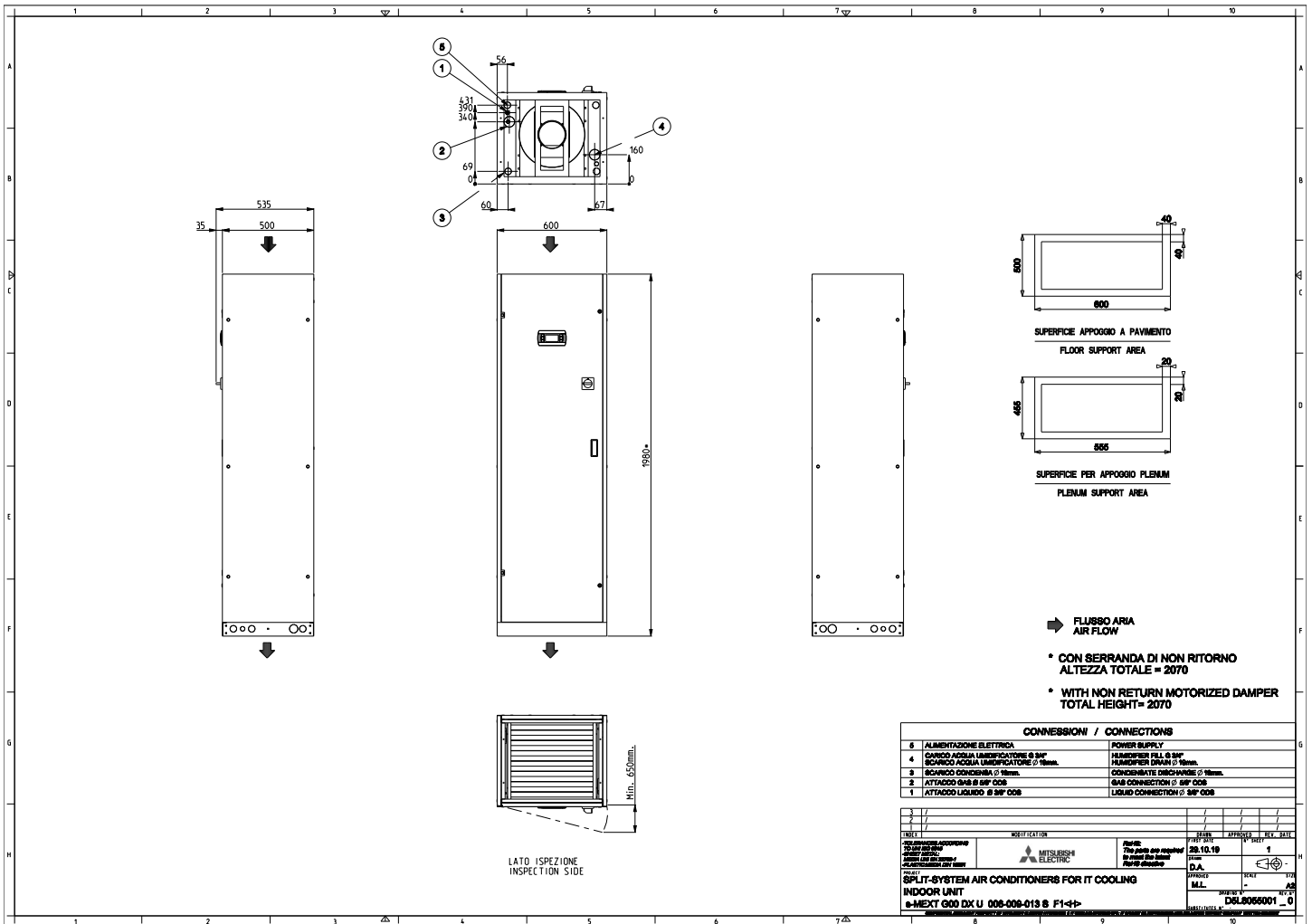
NOTES:

*PAC-SF40RM-E (Unable to use with wireless remote controller)

OUTDOOR UNIT ACCESSORIES: PUY-A24NHA7

Air Outlet Guide	Air Outlet Guide (1 Piece)	☐ PAC-SG59SG-E
Centralized Drain Pan	Centralized Drain Pan	☐ PAC-SG63DP-E
	Drain Pan	☐ PAC-SG64DP-E
Control/Service Tool	Control/Service Tool	☐ PAC-SK52ST
	M- & P-Series Maintenance Tool Cable Set	☐ M21EC0397
	Maintenance Tool Interface	☐ PAC-USCMS-MN-1
	USB/UART Conversion Cable (Required for all laptop connection)	☐ M21EC1397
Hail Guards	Hail Guard	☐ HG-A6
M-NET Converter	M-NET Converter	☐ PAC-SJ85MA-E
	M-NET Converter	☐ PAC-SJ95MA-E
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	☐ S144-250
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	☐ S144-50
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	☐ S164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	☐ S164-50
Mounting Pad	Condensing Unit Mounting Pad: 24" x 42" x 3"	☐ ULTRILITE2
Stand	18" Single Fan Stand	☐ QSMS1801M
	24" Single Fan Stand	☐ QSMS2401M
	Condenser Wall Bracket	☐ QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	☐ QSWBSS
	Outdoor Unit Stand — 12" High	☐ QSMS1201M
Wind Baffle	Front Wind Baffle	☐ WB-PA5
	Rear Wind Baffle	☐ WB-RE5
	Side Advanced Wind Baffle	☐ WB-SD5

INDOOR UNIT DIMENSIONS: S-MEXT-GO2-M1-U-006A

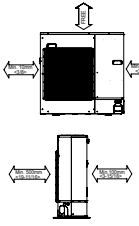


OUTDOOR UNIT DIMENSIONS: PUY-A24NHA7

Unit: mm<in>

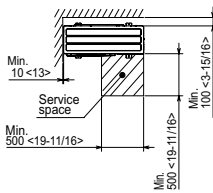
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



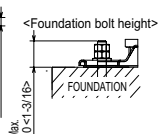
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



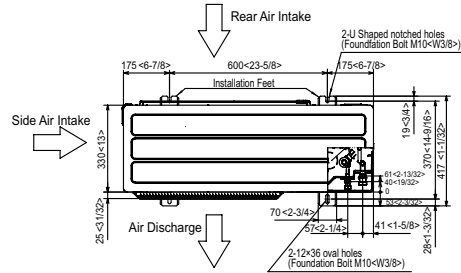
3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts and washers must be purchased locally.)



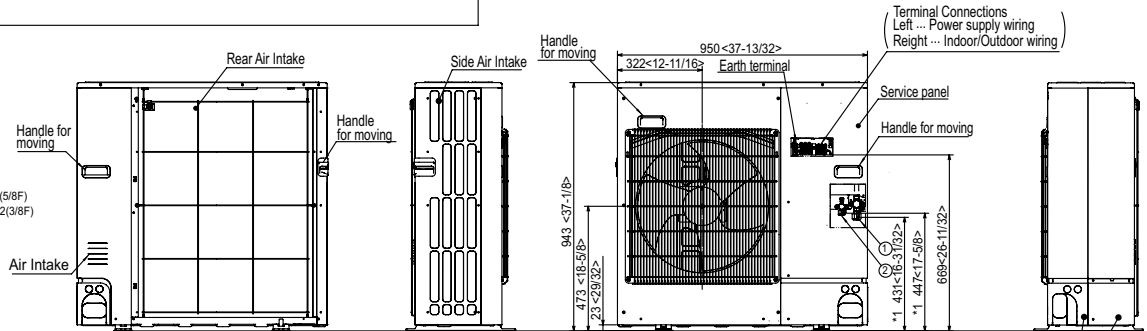
4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.

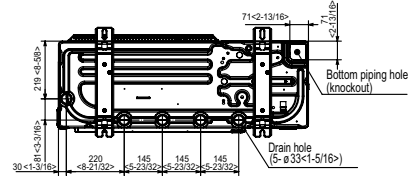
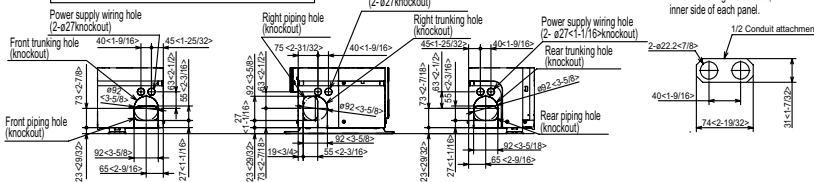


Example of Notes

- ① --- Refrigerant GAS pipe connection (FLARE) ø15.88(5/8F)
- ② --- Refrigerant LIQUID pipe connection (FLARE) ø9.52(3/8F)
- *1 --- Indication of STOP VALVE connection location.



Piping knockout Hole Details



1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com

FORM# S-MEXT-GO2-M1-U-006A & PUY-A24NHA7 - 202307

