S-MEXT-G06-M1-O-13LB & PUZ-AK42NL
35,600 BTU/H PREMIUM OVER FLOW IT COOLING INDOOR UNIT
42,000 BTU/H HEAT PUMP OUTDOOR UNIT

Job Name:			
System Reference:		**Date:**	

INDOOR Unit ... S-MEXT-G06-M1-O-13LB

OUTDOOR Unit ... PUZ-AK42NL

INDOOR UNIT FEATURES

- Humidity Control: Control humidification and dehumidification setpoints against ambient conditions.
- Steam Humidifier: Equipped with modulating steam humidifier for advanced humidity control.
- Electric Heater: Aluminum element electric heater installed downstream of main cooling coil.
- Computer Room Air Conditioning (CRAC): Unit meets and exceeds DOE CMMS import requirements.
- Low GWP: R-454B system with continuous circulation to meet code requirements.
- Touch Screen Control Interface: Factory installed 7-inch touch screen display with intuitive navigation for operating and monitoring operation and alarm status.
- Multi-Unit Networking: Enhanced network functions that offer connection of up to 10 s-MEXT units, balancing unit operating hours (lead-lag and stand-by unit activation), and centralized control.
- Flash Memory Logging: Capable of storing up to 200 recorded events in flash memory to preserve data for easy servicing and troubleshooting. Available in absence of power supply.
- Safety Devices: Built-in automatic disconnect system with inputs for fire, refrigerant leak, water leak, and airflow loss detection.

OUTDOOR UNIT FEATURES

- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Blue Fin Coating: Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- Seacoast Protection: An anti-corrosion treatment applied to the aluminum fins of the heat exchanger of the outdoor unit to protect against corrosion caused by salt, sulfur, and other airborne contaminants, especially in coastal and industrial areas.
- Low Ambient Cooling: Low ambient cooling down to 0°F providing 100% capacity with front wind baffle kit

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SPECIFICATIONS: S-MEXT-G06-M1-O-13LB & PUZ-AK42NL

Cooling Capacity	Total Cooling Capacity	Btu/h [kW]	35,600 [10.43]
	Net Cooling Capacity	Btu/h [kW]	35,000 [10.25]
	Sensible Cooling Capacity	Btu/h [kW]	32,500 [9.53]
	Net Sensible Capacity	Btu/h [kW]	32,750 [9.6]
Efficiency	Net SCOP		2.8
	Maximum Static Pressure		2.37
Electrical	Voltage, Phase, Frequency	V AC / V AC , ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	208 - 230
	Short-circuit Current Rating [SCCR]	kA	5
Indoor Unit	MCA	A	31
	MOCP	A	35
	Fan Motor Type		EC Motor
	Rated Airflow, Dry	CFM	1530
	Sound Pressure Level		60
	Sound Power Level		76
	Drain Pipe Size O.D.	inch [mm]	7/8 [22.23]
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	23-5/8 x 19-11/16 x 78 [600 x 500 x 1981]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	29-1/2 x 25-5/8 x 87-3/8 [749 x 650 x 2219]
	Unit Weight	lbs [kg]	212 [96]
	Package Weight	lbs [kg]	320 [145]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	°FDB	95
	Cooling Intake Maximum Air Temp WB	°FWB	72
	Cooling Intake Minimum Air Temp DB	°FDB	66
	Cooling Intake Minimum Air Temp WB	°FWB	57
	Heating Intake Air Temp [Maximum / Minimum]	°FDB	115
	Heating Intake Minimum Air Temp DB	°FDB	23
Outdoor Unit	MCA	A	34
	MOCP	A	56
	Fan Motor Output	W	74
	Airflow Rate Cooling	CFM	3910
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling[1]	dB (A)	52
	Compressor Type		Twin Rotary
	Compressor Model		MRB36FEGMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 45
	External Finish Color		Munsell 3Y 7.8/1.1
	Base Pan Heater		Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41-11/32 x 14 x 52-43/64 [1050 x 355 x 1338]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	42-15/16 x 17-3/4 x 58-5/16 [1090 x 450 x 1480]
	Unit Weight	lbs [kg]	224 [102]
	Package Weight	lbs [kg]	251 [114]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 23
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB	N/A / N/A
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	9 , 14
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.6
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Maximum Piping Length	ft [m]	165 [50]
	Maximum Height Difference	ft [m]	100 [30]
	Maximum Number of Bends		15

Notes

[1]Cooling (Indoor // Outdoor) °F 75 DB, 52 DP (Upflow), 85 DB, 52 DP (Downflow) // 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. • Heat pump system with wind baffle: 0°F - 115°F. • Refer to wind baffle documentation for further information.
**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures):

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INDOOR UNIT ACCESSORIES: S-MEXT-G06-M1-O-13LB

S-MEXT Accessories	Plenum + 3 Grilles	☐ BL79900401
	Serial Card - Ethernet - Pcoweb - Bacnet Over Ip/Snmp/Modbus TCP-IP + SMTP Email	☐ T500000087
	Serial Card - RS485 - Pconet - Bacnet MS/TP	☐ T500000014
	Support Frame H 255-350mm	☐ BL79901201
	T/RH Air Probe	☐ T500000091
	Plenum + 3 Grilles - Class A1	☐ BL79900501
	Intake Free-Cooling Plenum	☐ BL79901101
	Serial Card - RS485 - RS485Card - Modbus RTU	☐ T500000085
	Supply/Return Plenum - Class A1	☐ BL79900301
	Damper With Spring Return	☐ T500000180
	Silenced Plenum + 1 Grille	☐ BL79900701
	Supply/Return Plenum	☐ BL79900201
	Support Frame H 400-510mm	☐ BL79901401
	Support Frame H 355-450mm	☐ BL79901301
	Silenced Plenum	☐ BL79900601
Notes		

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OUTDOOR UNIT ACCESSORIES: PUZ-AK42NL

Air Outlet Guide	Air Outlet Guide 1 Piece	☐	PAC-SH96SG-E (two pieces required)
Centralized Drain Pan	Centralized Drain Pan	☐	PAC-SH97DP-E
Control/Service Tool	ControlService Tool	☐	PAC-SK52ST
	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	PAC-SG61DS-E
Hail Guards	Hail Guard	☐	HG-A2
M-NET Converter	M-Net Interface for P-Series	☐	PAC-SJ95MA-E
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	☐	ULTRILITE2
Optional Defrost Heater	Optional Defrost Heater	☐	PAC-SL11BH-E
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-5
Stand	Outdoor Unit Stand 12 High	☐	QSMS1202M
	24 Dual Fan Stand	☐	QSMS2402M
	18 Dual Fan Stand	☐	QSMS1802M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
Terminal Signal Adapter	Connector and wire for On/Off and Fan command using CN32	☐	PAC-715AD
	Connector and wire for On/Off and Error status using CN51 and CN52	☐	PAC-725AD
Wind Baffle	Front Wind Baffle	☐	WB-PA3 (two pieces required)
	Side Advanced Wind Baffle	☐	WB-SD6
	Rear Wind Baffle	☐	WB-RE6
Notes			

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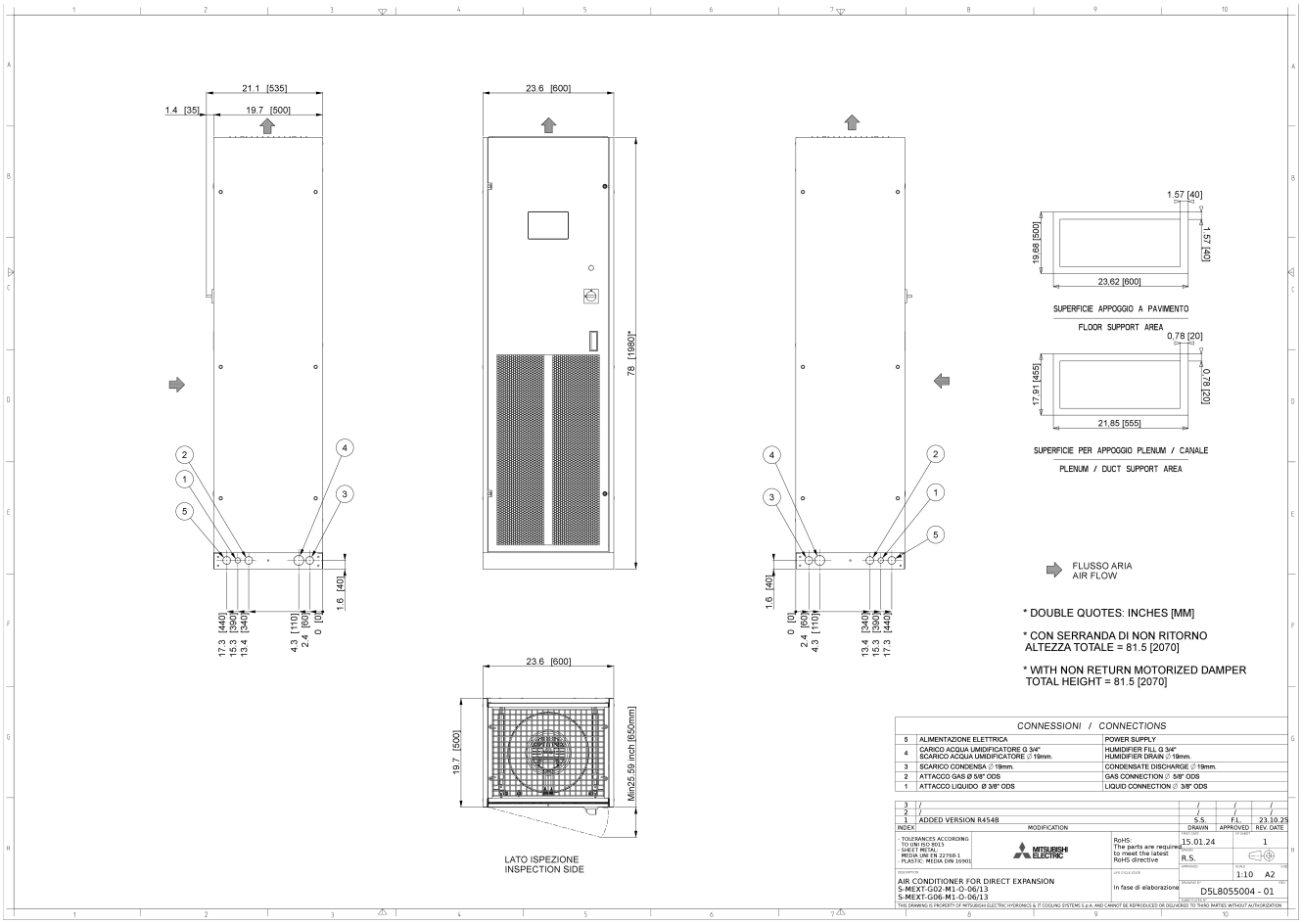
INDOOR UNIT DIMENSIONS: S-MEXT-G06-M1-O-13LB



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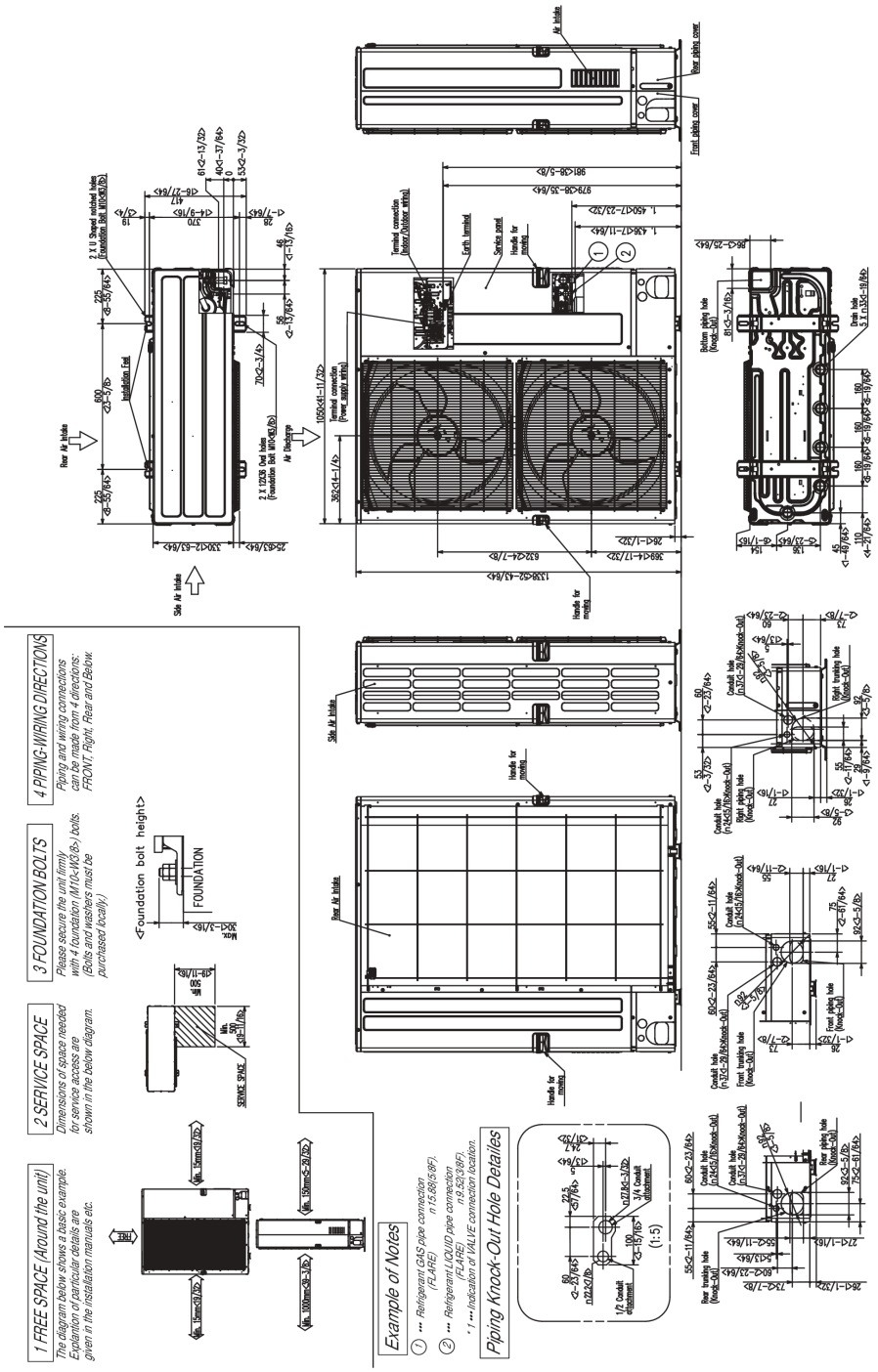
OUTDOOR UNIT DIMENSIONS: PUZ-AK42NL



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