S-MEXT-G06-M1-U-18LB & PUY-AK60NL
54,600 BTU/H PREMIUM UNDER FLOW IT COOLING INDOOR UNIT
60,000 BTU/H COOLING ONLY OUTDOOR UNIT

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

INDOOR Unit ... S-MEXT-G06-M1-U-18LB

OUTDOOR Unit ... PUY-AK60NL

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: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.
- Low Ambient Cooling: Low ambient cooling down to -40°F providing 100% capacity with front, side and rear wind baffle kit
- 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-U-18LB & PUY-AK60NL

Cooling Capacity	Total Cooling Capacity	Btu/h [kW]	54600 [16]
	Net Cooling Capacity	Btu/h [kW]	53200 [15.59]
	Sensible Cooling Capacity	Btu/h [kW]	53600 [15.71]
	Net Sensible Capacity	Btu/h [kW]	51180 [15]
Efficiency	Net SCOP		2.9
	Maximum Static Pressure		1.42
Electrical	Voltage, Phase, Frequency	V AC / V AC , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	208 - 230
	Short-circuit Current Rating [SCCR]	kA	5
Indoor Unit	MCA	A	42.6
	MOCP	A	45
	Fan Motor Type		EC Motor
	Rated Airflow, Dry	CFM	2413
	Sound Pressure Level		56
	Sound Power Level		72
	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]	39-3/8 x 19-11/16 x 78 [1000 x 500 x 1981]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	43-5/16 x 27-3/16 x 88-5/8 [1100 x 691 x 2251]
	Unit Weight	lbs [kg]	265 [120]
	Package Weight	lbs [kg]	401 [182]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F	95
	Cooling Intake Maximum Air Temp WB	deg F	72
	Cooling Intake Minimum Air Temp DB	deg F	66
	Cooling Intake Minimum Air Temp WB	deg F	57
	Heating Intake Air Temp [Maximum / Minimum]	deg F	115
	Heating Intake Minimum Air Temp DB	deg F	23
Outdoor Unit	MCA	A	38
	MOCP	A	67
	Fan Motor Output	W	213
	Airflow Rate Cooling	CFM	4020
	Compressor Type		Twin Rotary
	Compressor Model		MRB53FEJMC-L
	Compressor Oil [Type // Charge]	// oz	RM68EH // 60
	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]	265 [120]
	Package Weight	lbs [kg]	291 [132]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	F	115 / 23
	Cooling Thermal Lock-out / Re-start Temperatures**	F	N/A / N/A
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	11 , 7
	Maximum Pre-Charged Piping Length	ft [m]	100 [30]

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. • Cooling-only system with advanced wind baffle: -40°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-U-18LB

S-MEXT Accessories	Support Frame H 400-510mm	☐ BL79901402
	Silenced Plenum	☐ BL79900602
	Serial Card - Ethernet - Pcoweb - Bacnet Over Ip/Snmp/Modbus TCP-IP + SMTP Email	☐ T500000087
	Plenum + 3 Grilles - Class A1	☐ BL79900502
	Intake Free-Cooling Plenum	☐ BL79901102
	Supply/Return Plenum	☐ BL79900202
	Serial Card - RS485 - Pconet - Bacnet MS/TP	☐ T500000014
	Silenced Plenum + 1 Grille	☐ BL79900702
	Serial Card - RS485 - RS485Card - Modbus RTU	☐ T500000085
	T/RH Air Probe	☐ T500000091
	Support Frame H 355-450mm	☐ BL79901302
	Plenum + 3 Grilles	☐ BL79900402
	Support Frame H 255-350mm	☐ BL79901202
	Supply/Return Plenum - Class A1	☐ BL79900302
Notes		

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OUTDOOR UNIT ACCESSORIES: PUY-AK60NL

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	Maintenance Tool Interface	☐ PAC-USCMS-MN-1
	M- & P-Series Maintenance Tool Cable Set	☐ M21EC0397
	ControlService Tool	☐ PAC-SK52ST
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 MiniSplit Cable250 ft roll	☐ S144-250
	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
Mounting Pad	Condensing Unit Mounting Pad 24 x 42 x 3	☐ ULTRILITE2
Snow/Rain Diverter	SnowRain Diverter	☐ SRD-5
Stand	Outdoor Unit Stand 12 High	☐ QSMS1202M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐ DSD-400P
	18 Dual Fan Stand	☐ QSMS1802M
	24 Dual Fan Stand	☐ QSMS2402M
Terminal Signal Adapter	3-Pin Wiring Harness	☐ PAC-715AD
	5-Pin Wiring Harness	☐ PAC-725AD
Wind Baffle	Front Wind Baffle	☐ WB-PA3 (two pieces required)
	Rear Wind Baffle	☐ WB-RE6
	Side Advanced Wind Baffle	☐ WB-SD6
Notes		

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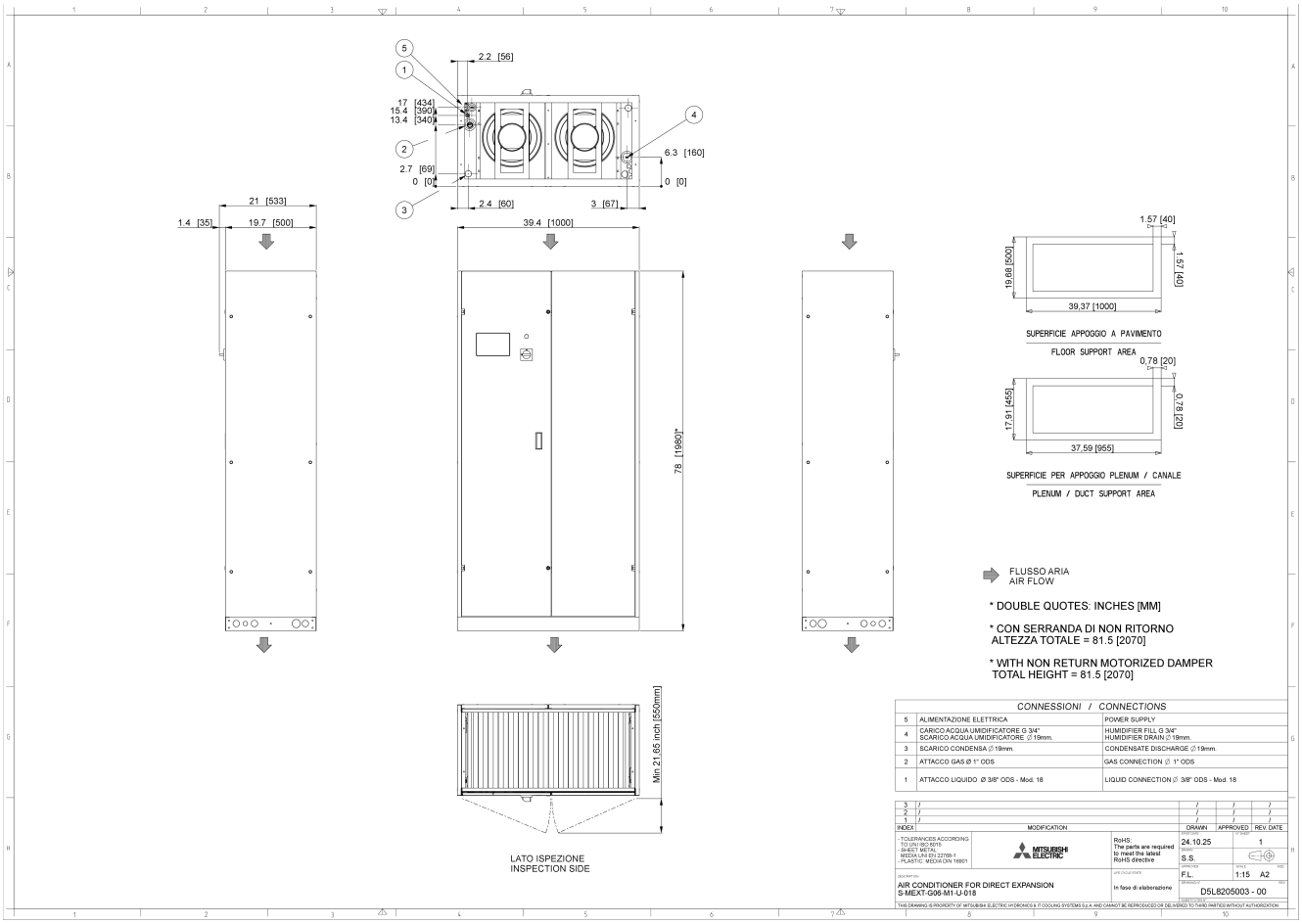
INDOOR UNIT DIMENSIONS: S-MEXT-G06-M1-U-18LB



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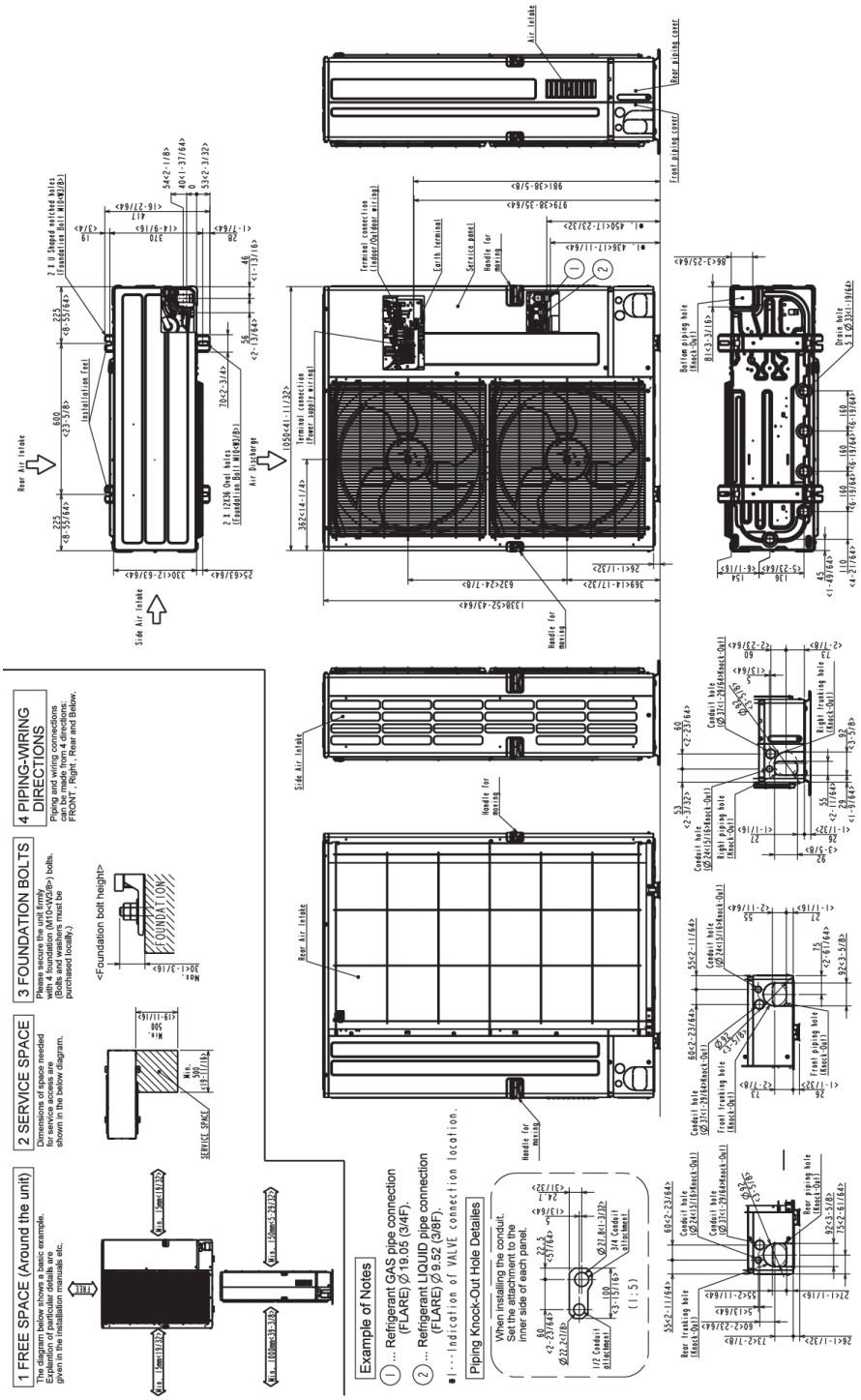
OUTDOOR UNIT DIMENSIONS: PUY-AK60NL



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