

Job Name:

System Reference:

Date:

Indoor Unit:  
PLA-A36EA7

Outdoor Unit:  
 PUY-A36NKA7  
 PUY-A36NKA7-BS



### INDOOR UNIT FEATURES

- Space-efficient ductless installation
- Equipped with 3D i-see Sensor™ for enhanced comfort and energy efficiency
- Airflow settings for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, and more

### OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft (70 ft. for A12/18/24/30)
- Low ambient cooling down to -20°F providing 100% capacity (only for PUY models with wind baffles installed)
- 24-hour continuous operation (cooling mode)
- High pressure protection
- Fast restart due to bypass valve make it ideal for equipment cooling applications, such as data centers
- Superior energy and operational efficiency

## SPECIFICATIONS: PLA-A36EA7 & PUY-A36NKA7(-BS)

Model Number	Indoor Unit		PLA-A36EA7	
	Outdoor Unit		PUY-A36NKA7	
			PUY-A36NKA7-BS	
Cooling <sup>1</sup>	Maximum Capacity	Btu/h	36,000	
	Rated Capacity	Btu/h	36,000	
	Minimum Capacity	Btu/h	16,000	
	Maximum Power Input	W	2,780	
	Rated Power Input	W	2,780	
	Moisture Removal	Pints/h	4.5	
	Sensible Heat Factor		0.86	
	Power Factor	%	93.7	
Efficiency	SEER		21.8	
	EER <sup>1</sup>		12.9	
	ENERGY STAR® Certified (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body)		Yes	
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz	
	Guaranteed Voltage Range	V AC	198 – 253	
	Voltage: Indoor - Outdoor, S1-S2	V AC	208 / 230	
	Voltage: Indoor - Outdoor, S2-S3	V DC	24	
	Voltage: Indoor - Remote controller	V DC	12	
	Recommended Fuse/Breaker Size	A	30	
	Recommended Wire Size (Indoor - Outdoor)	AWG	14	
Indoor Unit	MCA	A	2.00	
	Fan Motor Full Load Amperage	A	0.95	
	Fan Motor Output	W	120	
	Airflow Rate, Dry	CFM	670-850-1020-1200	
	Airflow Rate, Wet	CFM	630-810-980-1160	
	External Static Pressure	in.WG	n/a	
	Sound Pressure Level	dB(A)	32-37-41-44	
	Drain Pipe Size	In. (mm)	1-1/4 (32)	
	Condensate Lift Mechanism, Max. Distance	In.	33-7/16	
	Heat Exchanger Type		Plate fin coil	
	External Finish Color		White Munsell 6.4Y 8.9/0.4	
	Unit Dimensions // Grille Dimensions	W: In. (mm)	33-1/16 (840) // 37-13/32 (950)	
		D: In. (mm)	33-1/16 (840) // 37-13/32 (950)	
		H: In. (mm)	11-3/4 (298) // 1-9/16 (40)	
	Package Dimensions // Grille Dimensions	W: In. (mm)	35-9/16 // 39-6/16	
		D: In. (mm)	34-5/16 // 38-3/16	
		H: In. (mm)	16-9/16 // 4-12/16	
Unit Weight // Grille Weight	Lbs. (kg)	56 (25) // 11 (5)		
Package Weight	Lbs. (kg)	77 (35)		

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Model Number	Indoor Unit		PLA-A36EA7
	Outdoor Unit		PUY-A36NKA7
			PUY-A36NKA7-BS
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	90 DB, 73 WB / 66 DB, 59 WB
Outdoor Unit	MCA	A	25
	MOCP	A	31
	Fan Motor Full Load Amperage	A	0.5 + 0.5
	Fan Motor Output	W	74 + 74
	Airflow Rate	CFM	3,880
	Refrigerant Control		Electronic Expansion Valve
	Heat Exchanger Type		Cross fin
	Sound Pressure Level, Cooling <sup>1</sup>	dB(A)	52
	Compressor Type		INVERTER-driven twin rotary
	Compressor Model		MNB33FBRMC-L
	Compressor Rated Load Amps	A	8
	Compressor Locked Rotor Amps	A	13
	Compressor Oil Type // Charge	oz.	FV50S // 45
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		n/a
	Unit Dimensions	W: In. (mm)	1050 [41-5/16]
		D: In. (mm)	330 + 30 [13+1-3/16]
		H: In. (mm)	1338 [52-11/16]
	Package Dimensions	W: In. (mm)	42-15/16
		D: In. (mm)	17-11/16
H: In. (mm)		56-4/16	
Unit Weight	Lbs. (kg)	211 (96)	
Package Weight	Lbs. (kg)	243 (110)	
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)	°F	115 DB / -20* DB
Refrigerant	Type		R410A
	Charge	Lbs, oz	10 lbs, 6 oz
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 (69)
	Maximum Height Difference	Ft. (m)	100 (30)
	Maximum Number of Bends		15

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### Notes

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	<sup>1</sup> Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
*Wind baffles required to operate below 23°F DB in cooling mode. PUY with wind baffle: -20°F - 115°F. Refer to wind baffle documentation for further information. **System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.			
<b>SEACOAST PROTECTION</b> <ul style="list-style-type: none"><li>• External Outer Panel: Phosphate coating + Acrylic-Enamel coating</li><li>• Fan Motor Support: Epoxy resin coating (at edge face)</li><li>• Separator Assembly; Valve Bed: Epoxy resin coating (at edge face)</li><li>• "Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.</li></ul>			

## ACCESSORIES: PLA-A36EA7

High-efficiency Filter Element	□ PAC-SH59KF-E
Signal Receiver	□ PAR-SA9CA-E
Wireless Remote Controller	□ PAR-FL32MA-E
Wireless Remote Receiver	□ PAR-FA32MA-E
Wireless Remote Controller	□ PAR-SR3LA-E
Backlit, Wall-mounted, Wireless Controller	□ MHK1
Portable Central Controller	□ MCCH1
Wired MA Controller	□ PAR-33MAA
Simple MA Controller	□ PAC-YT53CRAU
Touch MA Controller	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ PAC-SE41TS-E
Lockdown Bracket for Wireless, Hand-held, Remote Controller	□ RCMKP1CB
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
Outside Air Sensor for MHK1	□ MOS1
Flush Mount Remote Temperature Sensor	□ PAC-USSEN001-FM-1
Wireless Interface	□ PAC-USWHS002-WF-1
Thermostat Interface	□ PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet® and Modbus Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Connector for CN32 (remote on/off)	□ PAC-SE55RA-E
Remote Operation Adapter (with wire terminals for remote ON/OFF and operation status/ error) <sup>1</sup>	□ PAC-SF40RM-E
Grille (required)	□ PLP-40EAEU
Multi-Function Casement	□ PAC-SJ41TM-E
Installation/Trim Panels	□ PLFY-ITP1
Space Panel	□ PAC-SJ38AS-E
Air Outlet Shutter Plate	□ PAC-SJ37SP-E
Blue Diamond Sensor Extension Cable—15 Ft.	□ C13-103
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
MaxiBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) up to 48,000 Btu/h [recommended]	□ X87-721 - 208/230V
Drain Pan Level Sensor (Control for indoor unit shut off to prevent drain pan overflow)	□ DPLS2
3 Pole Disconnect Switch (30A/600VUL) [fits 2"X4" utility] - Black	□ TAZ-MS303
3 Pole Disconnect Switch (30A/600VUL) [fits 2"X4" utility] - White	□ TAZ-MS303W

<sup>1</sup> Unable to use with wireless remote controller

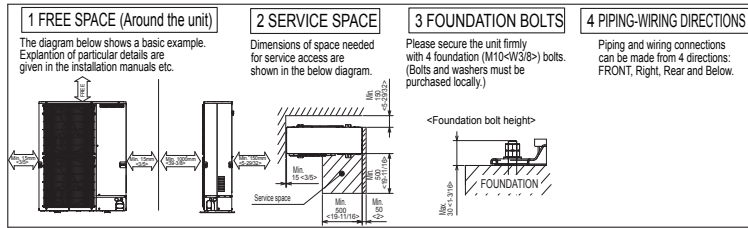
## ACCESSORIES: PUY-A36NKA7(-BS)

Twining Distribution Pipe (50:50)	□ MSDD-50TR-E
Air Outlet Guide	□ PAC-SH96SG-E (two pieces are required)
Front Wind Baffle	□ WB-PA3 (two pieces are required)
Drain Socket	□ PAC-SG61DS-E
M-NET Converter	□ PAC-SF83MA-E
M-NET Converter	□ PAC-SJ95MA-E
Control/Service Tool	□ PAC-SK52ST
Condensing Unit Mounting Pad 24" x 42" x 3"	□ ULTRILITE2
Outdoor Unit Stand—12" High	□ QSMS1202M
Outdoor Unit Stand—18" High	□ QSMS1802M
Outdoor Unit Stand—24"High	□ QSMS2402M
Heavy Duty Wall Mounting Bracket for Outdoor Units—Coated Steel	□ QSWB2000M-1
Heavy Duty Wall Mounting Bracket for Outdoor Units—316 Series Stainless Steel	□ QSWBSS
3/8" x 5/8" x 10' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-10
3/8" x 5/8" x 15' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-15
3/8" x 5/8" x 30' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-30
3/8" x 5/8" x 50' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-50
3/8" x 5/8" x 65' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-65
3/8" x 5/8" x 100' / 1/2" Lineset (Twin-Tube Insulation)	□ MPLS385812T-100

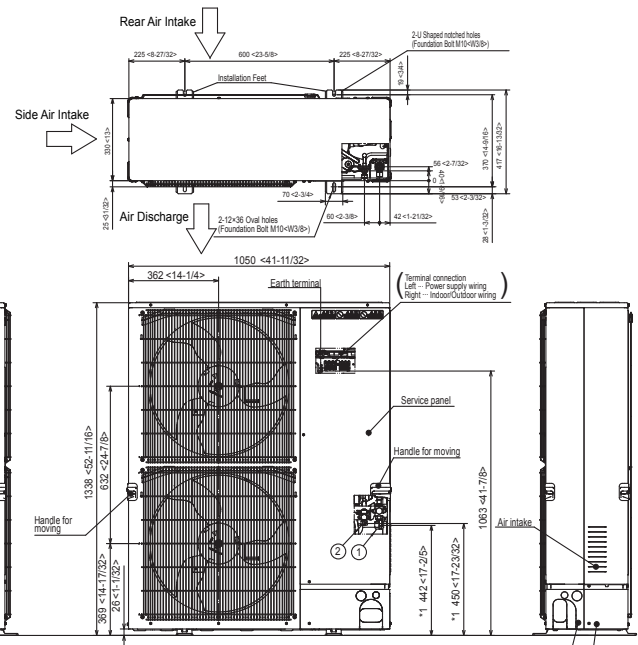


# DIMENSIONS: PLA-A36EA7 & PUY-A36NKA(-BS)

## PUY-A36NKA7(-BS)

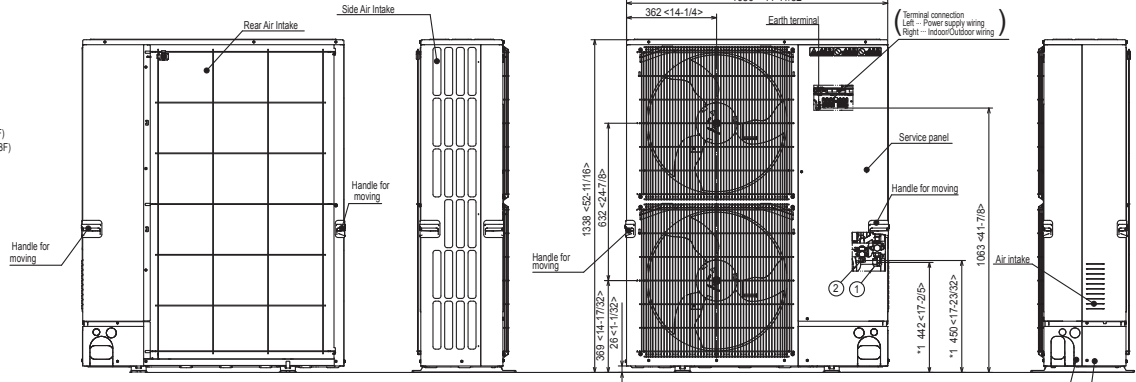


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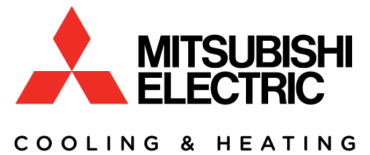
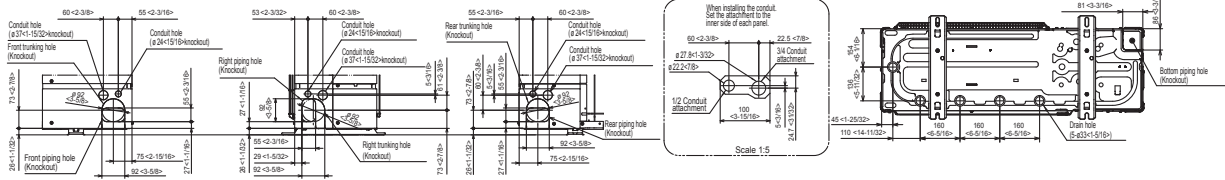


### Example of Notes

- 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# PLA-A36EA7 / PUY-A36NKA7(-BS) - 201810

