

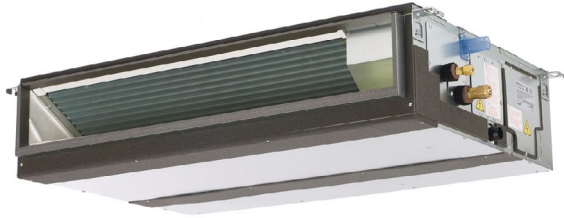
TPEADA0121AA90A MID STATIC HORIZONTAL-DUCTED INDOOR UNIT



Job Name:

System Reference:

Date:



GENERAL FEATURES

- Unobtrusive ceiling-concealed design for short-run ductwork
- Wide ranging external static pressure (0.14-0.60 in. WG)
- Built-in condensate lift mechanism (up to 27-9/16")
- Auto fan speed mode
- Optional FB Series filter boxes for easy access and service
- Ideal for residential homes, retail shopping centers, larger classrooms, office complexes, conference rooms, ballrooms, fitness centers, and more
- Multiple control options available:
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

Specifications			System
Unit Type			TPEADA0121AA90A
Cooling Capacity ^{1,3}		BTU/H	12,000
Heating Capacity ^{2,3}		BTU/H	12,000
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
Indoor Unit	MCA	A	2.5
	Fan Motor Full Load Amperage	A	2.00
	Fan Motor Output	W	121
	External Static Pressure	in.WG	0.14–0.2–0.28–0.4–0.6
	Drain Pipe Size	In. [mm]	1-1/4 [32]
	Condensate Lift Mechanism, Maximum Distance	In. [mm]	27-9/16 [700]
	Coating on Heat Exchanger		—
	External Finish Color		Galvanized
	Unit Dimensions	W x D x H: In. [mm]	35-7/16 x 28-7/8 x 9-7/8 [900 x 732 x 250]
	Package Dimensions	W x D x H: In. [mm]	46-1/16 x 35-7/16 x 13 [1,170 x 900 x 330]
	Unit Weight	Lbs. [kg]	58 [26]
	Package Weight	Lbs. [kg]	69 [31]
Refrigerant	Type		R410A
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES:

Conditions

¹Cooling (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 47 DB, 43 WB

³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

INDOOR UNIT ACCESSORIES: TPEADA0121AA90A

Lineset	65' x 1/4" x 65' / 1/2" Lineset (Twin-Tube Insulation)	☐ MLS141212T-65
Condensate	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	☐ COMBI
Lineset	15' x 1/4" x 15' / 1/2" Lineset (Twin-Tube Insulation)	☐ MLS141212T-15
	100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation)	☐ MLS141212T-100
	50' x 1/4" x 50' / 1/2" Lineset (Twin-Tube Insulation)	☐ MLS141212T-50
	30' x 1/4" x 30' / 1/2" Lineset (Twin-Tube Insulation)	☐ MLS141212T-30
Control Interface	Remote Operation Adapter†	☐ PAC-SF40RM-E
Wired Remote Controller	Simple MA Remote Controller†	☐ TAC-YT53CRAU-J
Control Interface	IT Extender	☐ PAC-WHS01IE-E
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	kumo station® for kumo cloud®	☐ TAC-WHS01HC-E
Wired Remote Controller	Touch MA Controller†	☐ TAR-CT01MAU-SB
Control Interface	Airzone ZBS Wired Blueface Principal Controller White	☐ AZZBSBLUEFACECB
	Airzone ZBS Wireless Think Controller White	☐ AZZBSTHINKRB
Control Wire	20/2PR, 1PR shielded + 1PR plenum wire for Airzone, 100 ft reel	☐ CW2042S2-100
	20/2PR, shielded + 1PR plenum wire for Airzone, 500 ft reel	☐ CW2042S2-500
Control Interface	USNAP Adapter	☐ PAC-WHS01UP-E
Remote Sensor	Flush Mount Remote Temperature Sensor	☐ PAC-USSEN002-FM-1
Control Interface	Wireless Interface for kumo cloud®	☐ PAC-USWHS002-WF-2
Wireless Remote Controller	Lockdown bracket for remote controller	☐ RCMKP1CB
	Wireless MA Receiver	☐ PAR-SR32MA-E
	kumo touch™ RedLINK™ Wireless Controller	☐ MHK2
Control Interface	Thermostat Interface	☐ PAC-US445CN-1
	Airzone ZBS Wireless Lite Controller White	☐ AZZBSLITERB
Remote Sensor	Remote Temperature Sensor	☐ PAC-SE41TS-E
Control Interface	Airzone ZBS Wired Lite Controller White	☐ AZZBSLITECB
	CN24 Relay Kit	☐ CN24RELAY-KIT-CM3
Remote Sensor	Wireless temperature and humidity sensor for kumo cloud®	☐ PAC-USWHS003-TH-1
Filter Box	Filter Box with MERV 13 Filter	☐ FBM2-2-A
Control Interface	3-Pin Connector	☐ PAC-715AD
Condensate	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	☐ X87-835
Wired Remote Controller	Deluxe Wired MA Remote Controller†	☐ TAR-40MAAU
Condensate	Blue Diamond Sensor Extension Cable — 15 Ft.	☐ C13-103
Wireless Remote Controller	Wireless MA Remote Controller	☐ TAR-FL32MA-E
Wired Remote Controller	Simple Ductless Wired Remote Controller	☐ PAC-SDW01RC-1
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
	(30A/600V/UL) [fits 2" X 4" utility box] - Black	☐ TAZ-MS303
Control Interface	Airzone ZBS Wired Blueface Principal Controller White	☐ AZZBSBLUEZEROCB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	☐ X87-721

NOTES:

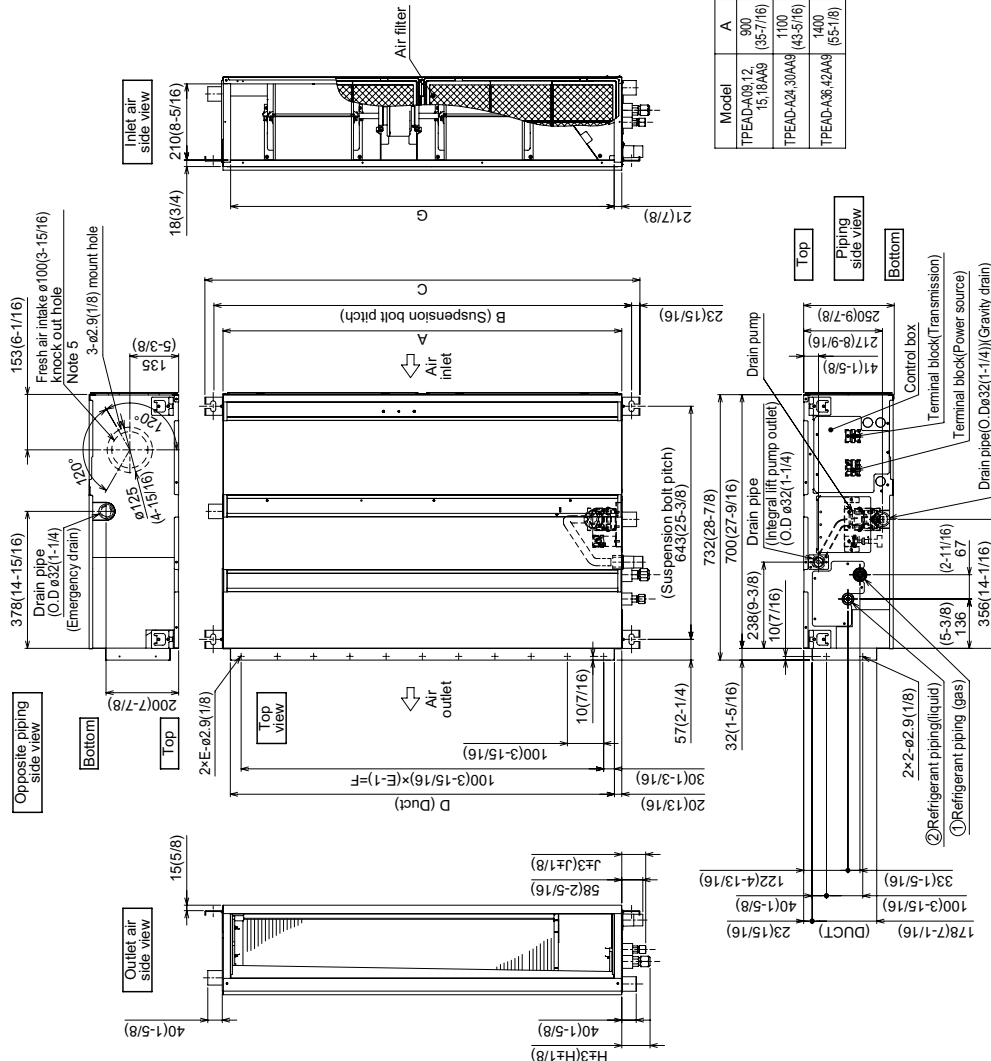
†PAC-SF40RM-E (Unable to use with wireless remote controller)

INDOOR UNIT DIMENSIONS: TPEADA0121AA90A

INDOOR UNIT

TPEAD-A09, 12, 15, 18, 24, 30, 36, 42AA9

- Notes
- 1 Use an M10 screw for the suspension bolt (field supply).
 - 2 Keep the service space for maintenance at the bottom.
 - 3 This drawing is for TPEAD-A09-12-15-18-24-30AA9 models which have 2 fans.
 - 4 TPEAD-A36-42AA9 models have 3 fans. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
 - 5 Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.



Model	J	① Gas pipe	② Liquid pipe
TPEAD-A09AA9	62	ø9.52 (3/8)	ø6.35 (1/4)
TPEAD-A12-15-18AA9	66	ø12.7 (1/2)	ø9.52 (3/8)
TPEAD-A24-30AA9	66	ø15.88 (5/8)	ø9.52 (3/8)
TPEAD-A36-42AA9	66	ø15.88 (5/8)	ø9.52 (3/8)

Model	A	B	C	D	E	F	G	H
TPEAD-A09-12-15-18AA9	900	954	1000	860	9	800	858	72
TPEAD-A24-30AA9	1100	1154	1200	1060	11	1000	1058	78
TPEAD-A36-42AA9	1400	1454	1500	1360	14	1300	1358	84