

Job Name:

System Reference:

Date:

**DEDICATED OUTSIDE AIR SYSTEM (DOAS)****DESCRIPTION**

A CITY MULTI DOAS with reheat capability consists of:

- One CFMR-E Indoor Unit
- One TURYP(P/E)120(3/4)AN4(0/1)A(N/B)
- One TCMBG0106SJ11N4 or TCMBG0108SJ11N4 Branch Controller
- One wired remote controller
- Three CMY-R160-J1 Joint Adapter

Note: CITY MULTI DOAS can only be a one-to-one, stand-alone HVAC system.

The TPEFYP120AR140A indoor unit cannot be added on to an existing VRF system, or a VRF system that includes additional indoor units.

GENERAL FEATRES

- Reheat capabilities using recovered energy from cooling through the BC Controller
- Two DX coils for both cooling and reheating outside air
 - Primary coil: Large DX coil with high latent capacity
 - Secondary coil: Smaller coil for providing heating or reheating
- Standard drain lift mechanism up to 21'-11/16"

* Cooling / Heating capacities indicated at the maximum value when operating under the following conditions:

Cooling | Entering Indoor: Unit 87° F (31° C) DB / 80° F (27° C) WB,

Cooling | Outdoor Unit: 87° F (31° C) DB

Heating | Entering Indoor Unit: 32°F (0°C) DB,

Heating | Outdoor Unit: 32°F (0°C) DB / 28°F (-2°C) WB

**If equipment is being used in a seacoast application, a coil coating to protect against saltwater corrosion is recommended

SPECIFICATIONS

Capacity*

Cooling	112,000 Btu/h
Heating	61,400 Btu/h
Reheat	24,200 Btu/h

Power

Power Source.....208 / 230V, 1-phase, 60Hz

Power Consumption

Cooling (208/230V).....0.66 / 0.78 kW

Heating (208/230V).....0.66 / 0.78 kW

Current

Cooling (208/230V).....3.19 / 3.45 A

Heating (208/230V).....3.19 / 3.45 A

Minimum Circuit Ampacity (MCA) (208/230V).....3.99 / 4.31 A

Maximum Overcurrent Protection (MOCP) Fuse.....15 A

Operating Temperature Range

Cooling.....50° F WB to 95° F WB (109° F DB)
(10° C WB to 35° C WB [43° C DB])Heating.....-4° F WB to +60° F WB
(-20° C WB to +16° C WB)Connectable Outdoor Units.....TURYP120(3/4)AN40A(N/B),
TURYE120(3/4)AN40A(N/B),
or TURYE120(3/4)AN41AN

External Finish.....Galvanized-steel Sheet

External Dimensions

Inches.....18-9/16 H x 49-1/4 W x 55-1/8 D

mm.....470 H x 1,250 W x 1,400 D

Net Weight

Unit.....309 lbs. / 140 kg

Coil Type

Cross Fin
(Aluminum Plate Fin and Copper Tube)

Fan

Type x Quantity.....Sirocco Fan x 2

Airflow Rate.....1,200 CFM

External Static Pressure

208V.....0.28 - 0.48 - 0.80" WG

230V.....0.52 - 0.72 - 0.96" WG

Motor Type.....Single-phase Induction Motor

Air Filter

Field Supplied

Refrigerant Piping Dimensions (Main)

Liquid (High Pressure).....3/8" / 9.52 mm

Gas (Low Pressure).....7/8" / 22.2 mm

Refrigerant Piping Dimensions (Reheat)

Liquid (High Pressure).....3/8" / 9.52 mm

Gas (Low Pressure).....7/8" / 22.2 mm

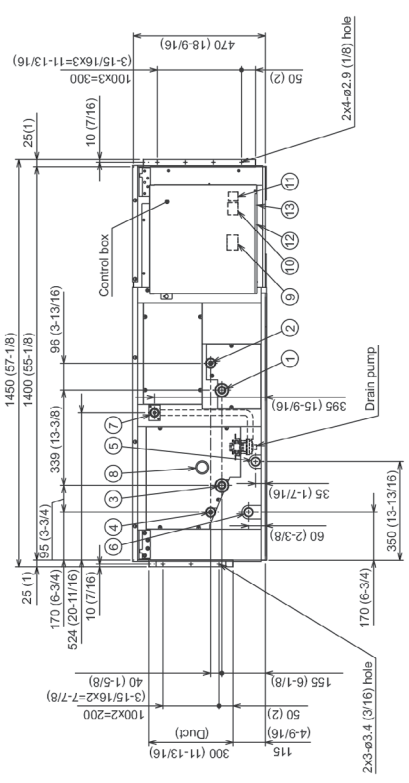
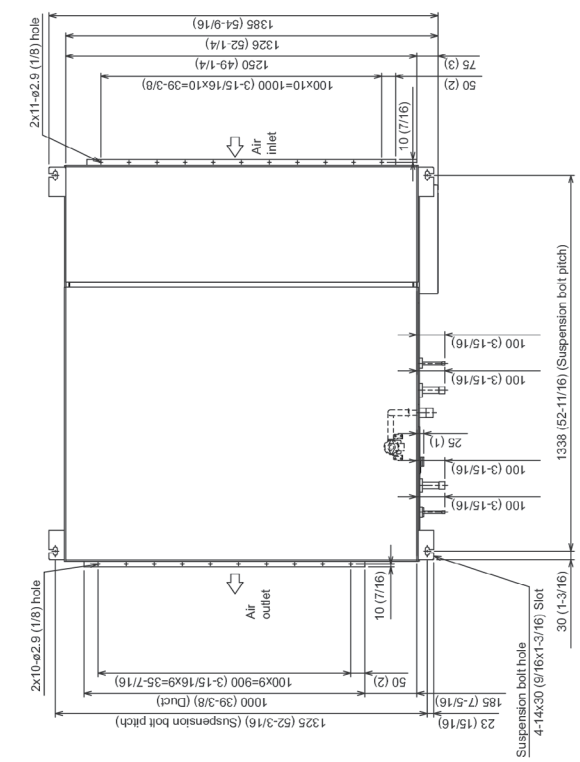
Drainpipe Dimension (Two).....O.D. 1-1/4" / 32 mm

Sound Pressure Levels (Low-Mid-High)

208V.....36 - 38 - 41 dB(A)

230V.....39 - 41 - 43 dB(A)

DIMENSIONS: TPEFYP120AR140A



Refrigerant piping brazing connection (Main Coil gas).....	1
Refrigerant piping brazing connection (Main Coil liquid).....	2
Refrigerant piping brazing connection (Reheat Coil gas).....	3
Refrigerant piping brazing connection (Reheat Coil liquid).....	4
Drain pipe (O.D. ø32(1-1/4)) (Spontaneous draining).....	5
Drain pipe (O.D. ø32(1-1/4)) (Emergency draining).....	6
Drain pipe (O.D. ø32(1-1/4)).....	7
Water filling port.....	8
Terminal block (Power source).....	9
Terminal block (Indoor/outdoor connecting).....	10
Terminal block (Remote controller transmission).....	11
Knockout hole ø22 (1-1/8)(Power source wiring).....	12
Knockout hole ø22 (1-1/8) (Indoor/outdoor connecting wiring).....	13
Remote controller transmission wiring.....	14

① Gas pipe	② Liquid pipe	③ Gas pipe	④ Liquid pipe
ø22.2 (7/8)	ø9.52 (3/8)	ø22.2 (7/8)	ø9.52 (3/8)

