

Job Name:

Schedule Reference:

Date:



DEDICATED OUTSIDE AIR SYSTEM (DOAS) DESCRIPTION

A CITY MULTI DOAS with reheat capability consists of:

- One PEFY-AF1200CFMR Indoor Unit
- One PURY-P120TK(J)(H)MU or PURY-P120YK(J)(H)MU Outdoor Unit
- One CMB-P106NU-G or CMB-P108NU-G Branch Controller
- One wired remote controller
- Three CMY-R160C-J Joint Adapter

Note: CITY MULTI DOAS can only be a one-to-one, stand-alone HVAC system. The PEFY-AF1200CFMR indoor unit cannot be added on to an existing VRF system, or a VRF system that includes additional indoor units.

GENERAL FEATURES

- 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"

OPTIONS

- Joint Adapter (Port Connector).....CMY-R160C-J

* 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

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 (10° F DB) (10° C WB to 35° C WB [43° C DB])
Heating.....	-4° F WB to +60° F WB (-20° C WB to +15.5° C WB)

Connectable Outdoor Units.....PURY-P120TK(J)(H)MU (-BS)
 or PURY-P120YK(J)(H)MU (-BS)

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)

Notes:



