

VRF Outdoor Unit MMY-UP2401FT9P-UL - Heat Recovery

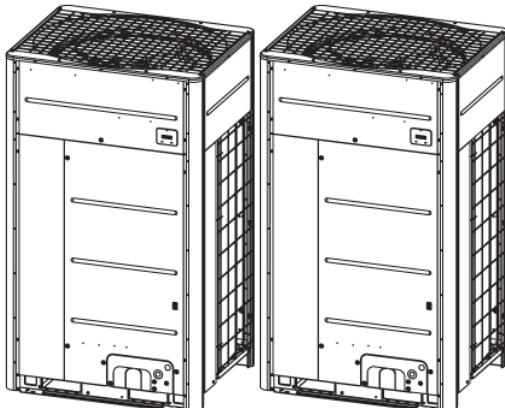
TOSHIBA
Carrier

Submittal Data

Job Name _____

Location _____

Tag _____



Heat Recovery Features

- Modules and pairings available from 6 to 42 tons
- Modules have inverter-driven rotary compressors
- Direct-drive, inverter-driven outdoor motor
- Up to 3937 ft actual total system piping (liquid line)
- 656 ft (200 m) actual piping length from outdoor unit to furthest fan coil
- Operating temperature range
Cooling (db): -10° to 125°F
(-15° to 52°C)
Heating (wb): -22° to 60°F
(-25° to 18°C)
- Protection: high pressure sensor and switch, low pressure sensor and switch, process controller board fuse, inverter overload protection
- 7-year compressor limited warranty
- 5-year parts limited warranty

Combination Model	MMY-UP2401FT9P-UL	
Header Unit Model	MUP1441FT9P-UL	
Follower Unit Model	MUP0961FT9P-UL	
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	240,000
Nominal Heating Capacity	Btu/h	270,000
Maximum Number of Indoor Units		43
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†		
SCHE, Ducted FCUs		31.5
SCHE, Ductless FCUs		32.0
COOLING EFFICIENCY†		
EER/IEER, Ducted FCUs	Btu/Wh	11.2/21.8
Power Consumption, Ducted FCUs	kW	18.32
EER/IEER, Ductless FCUs	Btu/Wh	11.9/22.9
Power Consumption, Ductless FCUs	kW	18.78
HEATING EFFICIENCY†		
COP at 47°F, Ducted FCUs		3.47
Power Consumption, Ducted FCUs	kW	19.58
COP at 47°F, Ductless FCUs		4.18
Power Consumption, Ductless FCUs	kW	17.54
Fan Type (Qty)		Propeller (3)
Airflow, Standard Range	CFM	7981 + 6357
Sound Pressure	dBA	65.1
External Static Pressure*	in. wg	0.321

LEGEND

db	— Dry Bulb
COP	— Coefficient of Performance
EER	— Energy Efficiency Ratio
FCU	— Fan Coil Unit
IEER	— Integrated Energy Efficiency Ratio
wb	— Wet Bulb
SCHE	— Simultaneous Cooling and Heating Efficiency

ELECTRICAL

Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	51.5 + 36.6
Maximum Overcurrent Protection (MOCP)	A	60 + 45

COMPRESSORS

Type (Number)		Hermetic Twin Rotary (1) + Hermetic Triple Rotary (1)
---------------	--	--

FAN MOTOR

Motor Output	kW	(0.48 x 2) + (0.66 x 1)
--------------	----	-------------------------

PHYSICAL DATA

Pipe Connection Size - Liquid (High Pressure)	in.	5/8 + 1/2 (Brazed)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 + 7/8 (Brazed)
Discharge - Gas (High/Low Pressure)		7/8 + 3/4 (Brazed)
Refrigerant		R-410A
Factory Charge††	lb	19.8 + x 13.2
Unit Width	in.	51-1/2 + 39-1/2
Unit Height	in.	66-1/2 x 2
Unit Depth	in.	31-1/4 x 2
Net Weight	lb	783 + 532

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230 Standard.

Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db

Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb

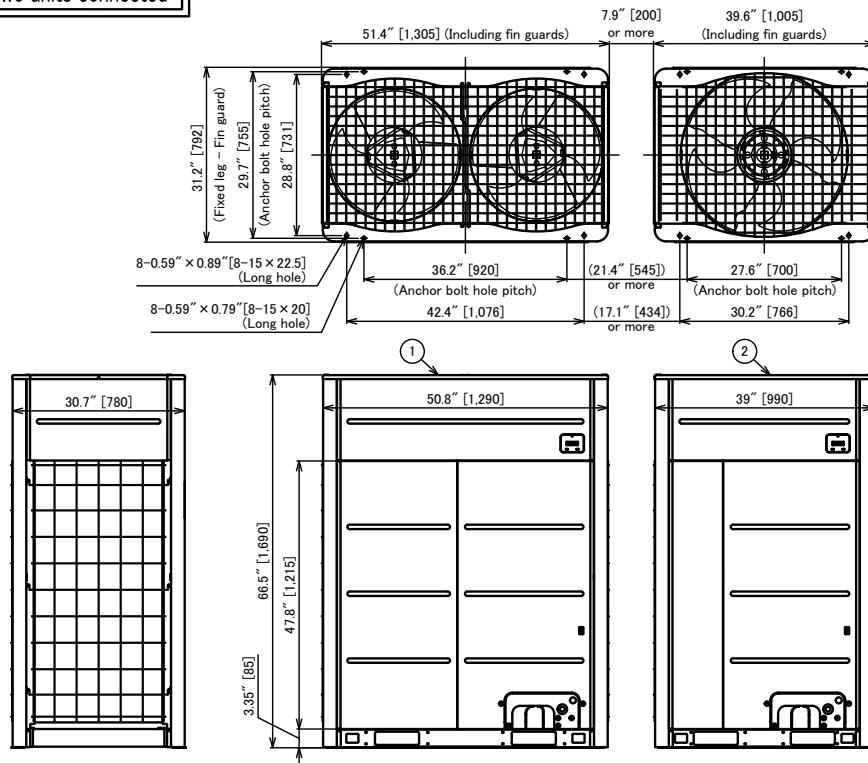
*Requires setting by menu functions.

††Additional charge required.

NOTE: Unit cabinet and coil slab shall be capable of withstanding 500-hour salt

**DIMENSIONAL DRAWING
OUTDOOR UNIT MMY-UP2401FT9P-UL**

Two units connected



Note)

1. If there is an obstacle at the upper side of the outdoor unit, set the top end of the outdoor unit 78.7in [2000mm] apart from the obstacle.
2. Draw out the pipe procured locally to the front of the outdoor unit horizontally, and keep 19.7in [500mm] or more between the outdoor unit and traversing pipe if placing pipe transversely.
3. Arrange each outdoor unit in order of its capacity.
(Header unit① > Follower unit②)

(Header unit① ≥ Follower unit②)

Model name	Outdopr unit	
	① Header unit	② Follower unit
MMY-UP2401FT9-P-UL	MMY-MUP1441FT9-P-UL	MMY-MUP0961FT9-P-UL

(Unit : in [mm])

