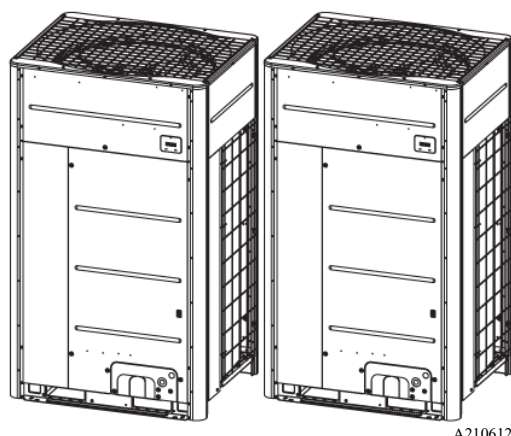


# VRF Outdoor Unit MMY-UP3121FT9P-UL - Heat Recovery

**TOSHIBA**  
*Carrier*

## Submittal Data

Job Name \_\_\_\_\_ Location \_\_\_\_\_  
Tag \_\_\_\_\_



A210612

### 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-UP3121FT9P-UL
Header Unit Model		MUP1681FT9P-UL
Follower Unit Model		MUP1441FT9P-UL
<b>PERFORMANCE</b>		
Nominal Cooling Capacity	Btu/h	312,000
Nominal Heating Capacity	Btu/h	351,000
Maximum Number of Indoor Units		56
<b>SIMULTANEOUS COOLING AND HEATING EFFICIENCY†</b>		
SCHE, Ducted FCUs		30.00
SCHE, Ductless FCUs		30.60
<b>COOLING EFFICIENCY†</b>		
EER/IEER, Ducted FCUs	Btu/Wh	10.6/21.0
Power Consumption, Ducted FCUs	kW	25.56
EER/IEER, Ductless FCUs	Btu/Wh	11.3/22.2
Power Consumption, Ductless FCUs	kW	25.67
<b>HEATING EFFICIENCY†</b>		
COP at 47°F, Ducted FCUs		3.25
Power Consumption, Ducted FCUs	kW	27.57
COP at 47°F, Ductless FCUs		3.86
Power Consumption, Ductless FCUs	kW	24.65
Fan Type (Qty)		Propeller (4)
Airflow, Standard Range	CFM	8476 + 7981
Sound Pressure	dBA	66.0
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

<b>ELECTRICAL</b>		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	57.4 + 51.5
Maximum Overcurrent Protection (MOC)	A	80 + 60
<b>COMPRESSORS</b>		
Type (Number)		Hermetic Triple x 2
<b>FAN MOTOR</b>		
Motor Output	kW	0.48 x 4
<b>PHYSICAL DATA</b>		
Pipe Connection Size - Liquid (High Pressure)	in.	5/8 + 5/8 (Braze)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 + 1-1/8 (Braze)
Discharge - Gas (High/Low Pressure)		7/8 x 2 (Braze)
Refrigerant		R-410A
Factory Charge††	lb	19.8 + 19.8
Unit Width	in.	51-1/2 x 2
Unit Height	in.	66-1/2 x 2
Unit Depth	in.	31-1/4 x 2
Net Weight	lb	783 x 2

†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

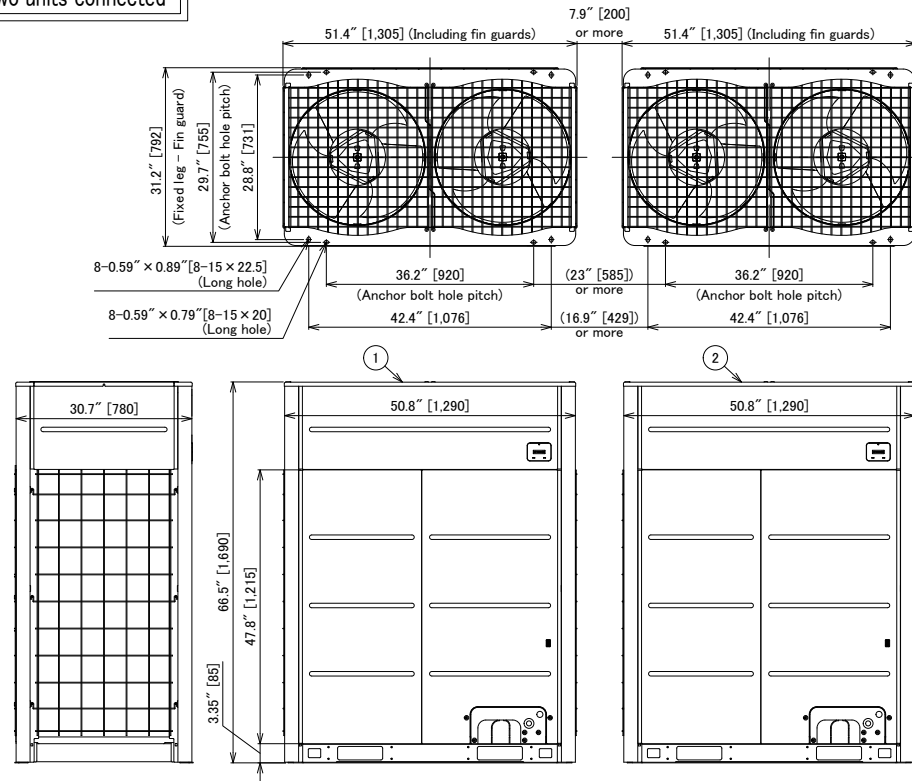
\*Requires setting by menu functions.

††Additional charge required.

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

# DIMENSIONAL DRAWING OUTDOOR UNIT MMY-UP3121FT9P-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 )

Model name	Outdoor unit	
	① Header unit	② Follower unit
MMY-UP3121FT9P-UL	MMY-MUP1681FT9P-UL	MMY-MUP1441FT9P-UL

( Unit : in [mm] )

