

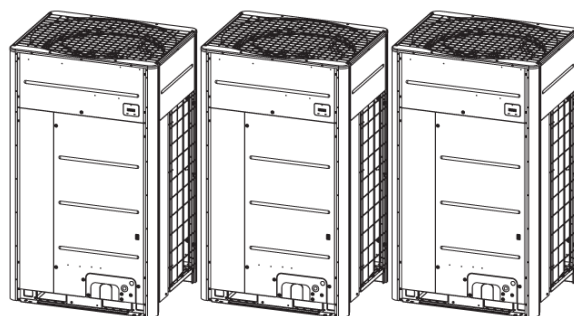
# VRF Outdoor Unit MMY-UP4321FT9P-UL - Heat Recovery

**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-UP4321FT9P-UL
Header Unit Model		MUP1681FT9P-UL
Follower Unit Model		MUP1681FT9P-UL
Follower Unit Model		MUP0961FT9P-UL
<b>PERFORMANCE</b>		
Nominal Cooling Capacity	Btu/h	432,000
Nominal Heating Capacity	Btu/h	486,000
Maximum Number of Indoor Units		72
<b>SIMULTANEOUS COOLING AND HEATING EFFICIENCY†</b>		
SCHE, Ducted FCUs		25.0
SCHE, Ductless FCUs		26.0
<b>COOLING EFFICIENCY†</b>		
EER/IEER, Ducted FCUs	Btu/Wh	9.8/18.2
Power Consumption, Ducted FCUs	kW	38.07
EER/IEER, Ductless FCUs	Btu/Wh	9.9/20.0
Power Consumption, Ductless FCUs	kW	40.55
<b>HEATING EFFICIENCY†</b>		
COP at 47°F, Ducted FCUs		3.23
Power Consumption, Ducted FCUs	kW	37.95
COP at 47°F, Ductless FCUs		3.48
Power Consumption, Ductless FCUs	kW	37.84
Fan Type (Qty)		Propeller (3)
Airflow, Standard Range	CFM	(8476 x 2) + 6357
Sound Pressure	dBA	67.2
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 x 2) + 36.6
Maximum Overcurrent Protection (MOCP)	A	(80 x 2) + 45
<b>COMPRESSORS</b>		
Type (Number)		Hermetic Triple Rotary (2) + Hermetic Twin Rotary (1)
<b>FAN MOTOR</b>		
Motor Output	kW	(0.48 x 4) + (0.66 x 1)
<b>PHYSICAL DATA</b>		
Pipe Connection Size - Liquid (High Pressure)	in.	(5/8 x 2) + 1/2 (Brazed)
Pipe Connection Size - Gas (Low Pressure)	in.	(1-1/8 x 2) + 7/8 (Brazed)
Discharge - Gas (High/Low Pressure)		(7/8 x 2) + 3/4 (Brazed)
Refrigerant		R-410A
Factory Charge††	lb	(19.8 x 2) + 13.2
Unit Width	in.	(51-1/2 x 2) + 39-1/2
Unit Height	in.	66-1/2 x 3
Unit Depth	in.	31-1/4 x 3
Net Weight	lb	(783 x 2) + 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 spray test.

# DIMENSIONAL DRAWING OUTDOOR UNIT MMY-UP4321FT9P-UL

