

VRF Outdoor Unit MMY-UP3121FT6P-UL - Heat Recovery

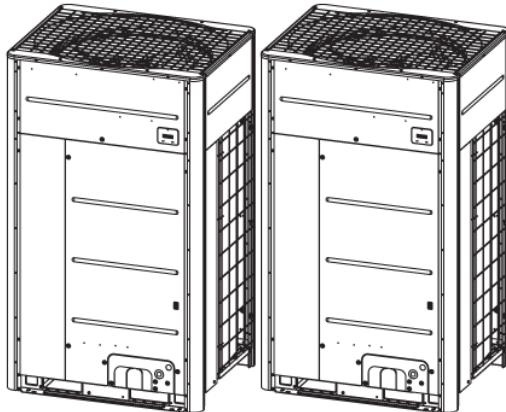
TOSHIBA
Carrier

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-UP3121FT6P-UL		ELECTRICAL		
Header Unit Model		MUP1681FT6P-UL		Power Supply		
Follower Unit Model		MUP1441FT6P-UL		Minimum Circuit Amps (MCA)		
PERFORMANCE						
Nominal Cooling Capacity	Btu/h	312,000	Maximum Overcurrent Protection (MOCP)	A	40 + 30	
Nominal Heating Capacity	Btu/h	351,000	COMPRESSORS			
Maximum Number of Indoor Units		56	Type (Number)		Hermetic Triple x 2	
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†						
SCHE, Ducted FCUs		30.00	FAN MOTOR			
SCHE, Ductless FCUs		30.60	Motor Output	kW	0.48 x 4	
COOLING EFFICIENCY†			PHYSICAL DATA			
EER/IEER, Ducted FCUs	Btu/Wh	10.6/21.0	Pipe Connection Size - Liquid (High Pressure)	in.	5/8 + 5/8 (Brazed)	
Power Consumption, Ducted FCUs	kW	25.56	Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 + 1-1/8 (Brazed)	
EER/IEER, Ductless FCUs	Btu/Wh	11.3/22.2	Discharge - Gas (High/Low Pressure)		7/8 x 2 (Brazed)	
Power Consumption, Ductless FCUs	kW	25.67	Refrigerant		R-410A	
HEATING EFFICIENCY†			Factory Charge††	lb	19.8 + 19.8	
COP at 47°F, Ducted FCUs		3.25	Unit Width	in.	51-1/2 x 2	
Power Consumption, Ducted FCUs	kW	27.57	Unit Height	in.	66-1/2 x 2	
COP at 47°F, Ductless FCUs		3.86	Unit Depth	in.	31-1/4 x 2	
Power Consumption, Ductless FCUs	kW	24.65	Net Weight	lb	776 + 776	
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

†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.

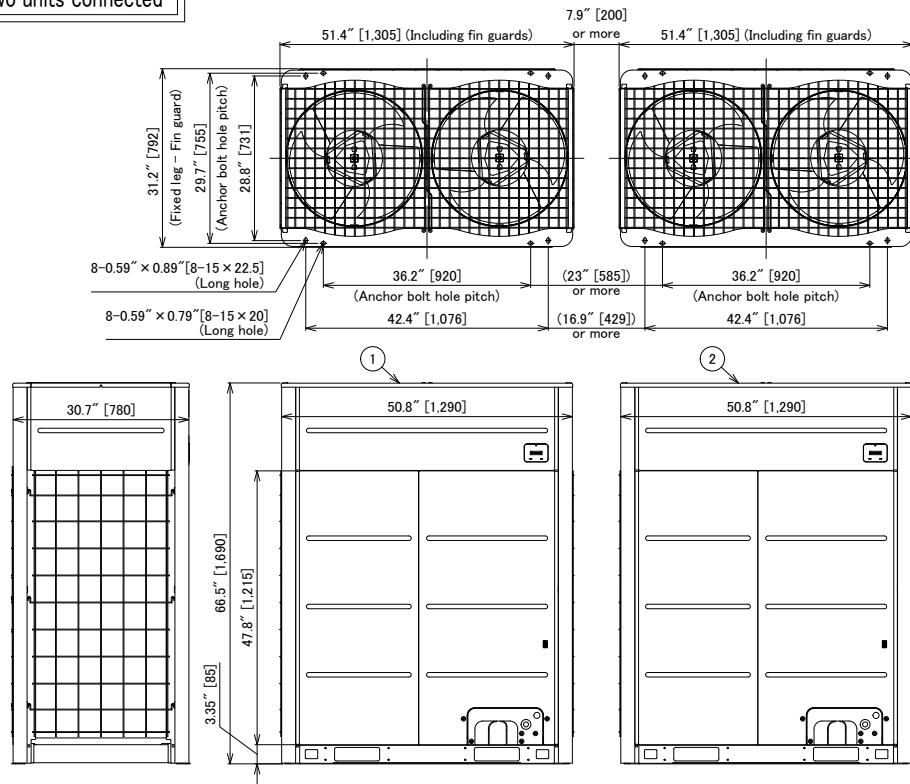
††Additional charge required.

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

DIMENSIONAL DRAWING

OUTDOOR UNIT MMY-UP3121FT6P-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	Outdopr unit	
	① Header unit	② Follower unit
MMY-UP3121FT6P-UL	MMY-MUP1681FT6P-UL	MMY-MUP1441FT6P-UL

(Unit : in [mm])

