

VRF Outdoor Unit

MMY-MUP120H1FT9PUL - Elite Heat

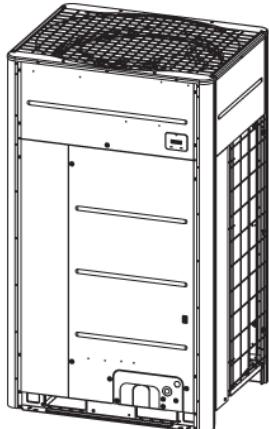
Heat Recovery

TOSHIBA
Carrier

Submittal Data

Job Name _____
Tag _____

Location _____



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): -30° to 60°F
(-1° 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

Header Unit Model		MMY-MUP120H1FT9PUL		ELECTRICAL		
PERFORMANCE						
Nominal Cooling Capacity	Btu/h	120,000	Power Supply	V/Ph/Hz	208-230/3/60	
Nominal Heating Capacity	Btu/h	135,000	Minimum Circuit Amps (MCA)	A	53.1	
Maximum Number of Indoor Units		21	Maximum Overcurrent Protection (MOCP)	A	70	
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†						
SCHE, Ducted FCUs		32.0	COMPRESSORS			
SCHE, Ductless FCUs		35.0	Type (Number)		Hermetic Triple Rotary (1)	
COOLING EFFICIENCY†						
EER/IEER, Ducted FCUs	Btu/Wh	12.0/22.5	FAN MOTOR			
Power Consumption, Ducted FCUs	kW	8.27	Motor Output	kW	0.38 x 2	
EER/IEER, Ductless FCUs	Btu/Wh	12.4/24.8	PHYSICAL DATA			
Power Consumption, Ductless FCUs	kW	9.03	Pipe Connection Size - Liquid (High Pressure)	in.	1/2 (Brazed)	
HEATING EFFICIENCY†			Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazed)	
COP at 47°F, Ducted FCUs		3.91	Discharge - Gas (High/Low Pressure)		3/4 (Brazed)	
Power Consumption, Ducted FCUs	kW	8.36	Refrigerant		R-410A	
COP at 47°F, Ductless FCUs		4.43	Factory Charge††	lb	19.8	
Power Consumption, Ductless FCUs	kW	8.29	Unit Width	in.	51-1/2	
Fan Type (Qty)		Propeller (2)	Unit Height	in.	66-1/2	
Airflow, Standard Range	CFM	7416	Unit Depth	in.	31-1/4	
Sound Pressure	dBA	60.0	Net Weight	lb	783	
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.

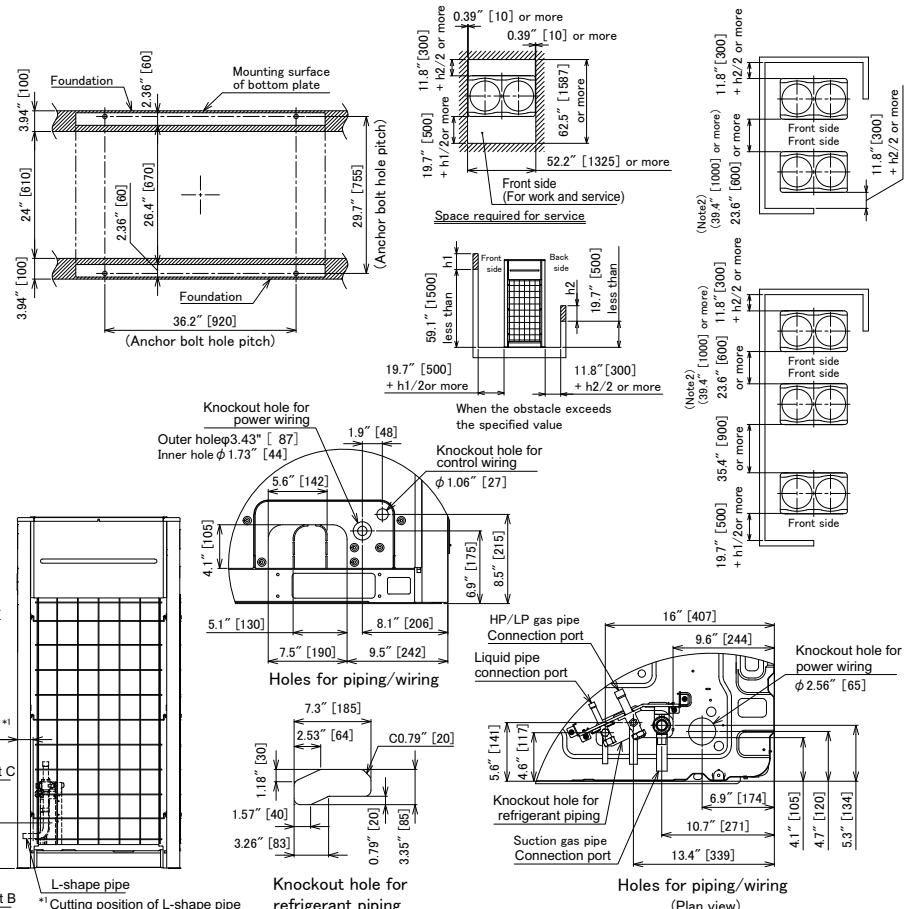
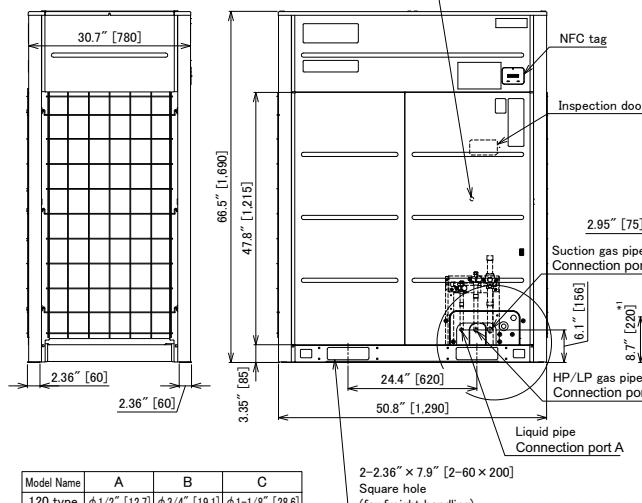
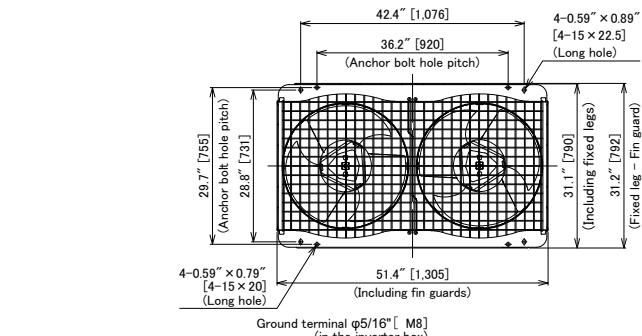
NOTE: Unit cabinet and coil slab shall be capable of withstanding 500-hour salt spray test.

DIMENSIONAL DRAWING

OUTDOOR UNIT MMY-MUP120H1FT9PUL

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.



(Unit : in [mm])

