

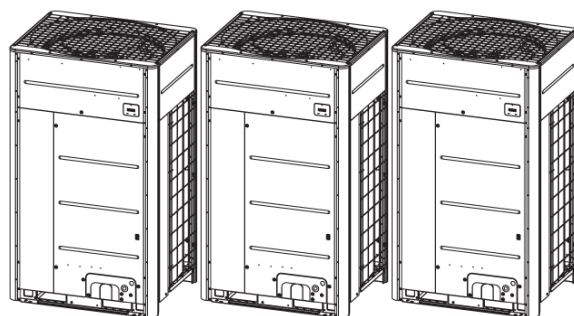
VRF Outdoor Unit MMY-UP4561FT9P-UL - Heat Recovery

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-UP4561FT9P-UL
Header Unit Model		MUP1681FT9P-UL
Follower Unit Model		MUP1441FT9P-UL
Follower Unit Model		MUP1441FT9P-UL
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	456,000
Nominal Heating Capacity	Btu/h	513,000
Maximum Number of Indoor Units		73
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†		
SCHE, Ducted FCUs		24.9
SCHE, Ductless FCUs		25.8
COOLING EFFICIENCY†		
EER/IEER, Ducted FCUs	Btu/Wh	9.8/18.1
Power Consumption, Ducted FCUs	kW	40.31
EER/IEER, Ductless FCUs	Btu/Wh	9.9/19.8
Power Consumption, Ductless FCUs	kW	42.72
HEATING EFFICIENCY†		
COP at 47°F, Ducted FCUs		3.23
Power Consumption, Ducted FCUs	kW	40.31
COP at 47°F, Ductless FCUs		3.45
Power Consumption, Ductless FCUs	kW	40.34
Fan Type (Qty)		Propeller (6)
Airflow, Standard Range	CFM	8476 + (7981 x 2)
Sound Pressure	dBA	67.8
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	57.4 + (51.5 x 2)
Maximum Overcurrent Protection (MOCP)	A	80 + (60 x 2)
COMPRESSORS		
Type (Number)		Hermetic Triple Rotary (3)
FAN MOTOR		
Motor Output	kW	0.48 x 6
PHYSICAL DATA		
Pipe Connection Size - Liquid (High Pressure)	in.	5/8 x 3 (Brazed)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 x 3 (Brazed)
Discharge - Gas (High/Low Pressure)		7/8 x 3 (Brazed)
Refrigerant		R-410A
Factory Charge††	lb	19.8 x 3
Unit Width	in.	51-1/2 x 3
Unit Height	in.	66-1/2 x 3
Unit Depth	in.	31-1/4 x 3
Net Weight	lb	783 x 3

†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

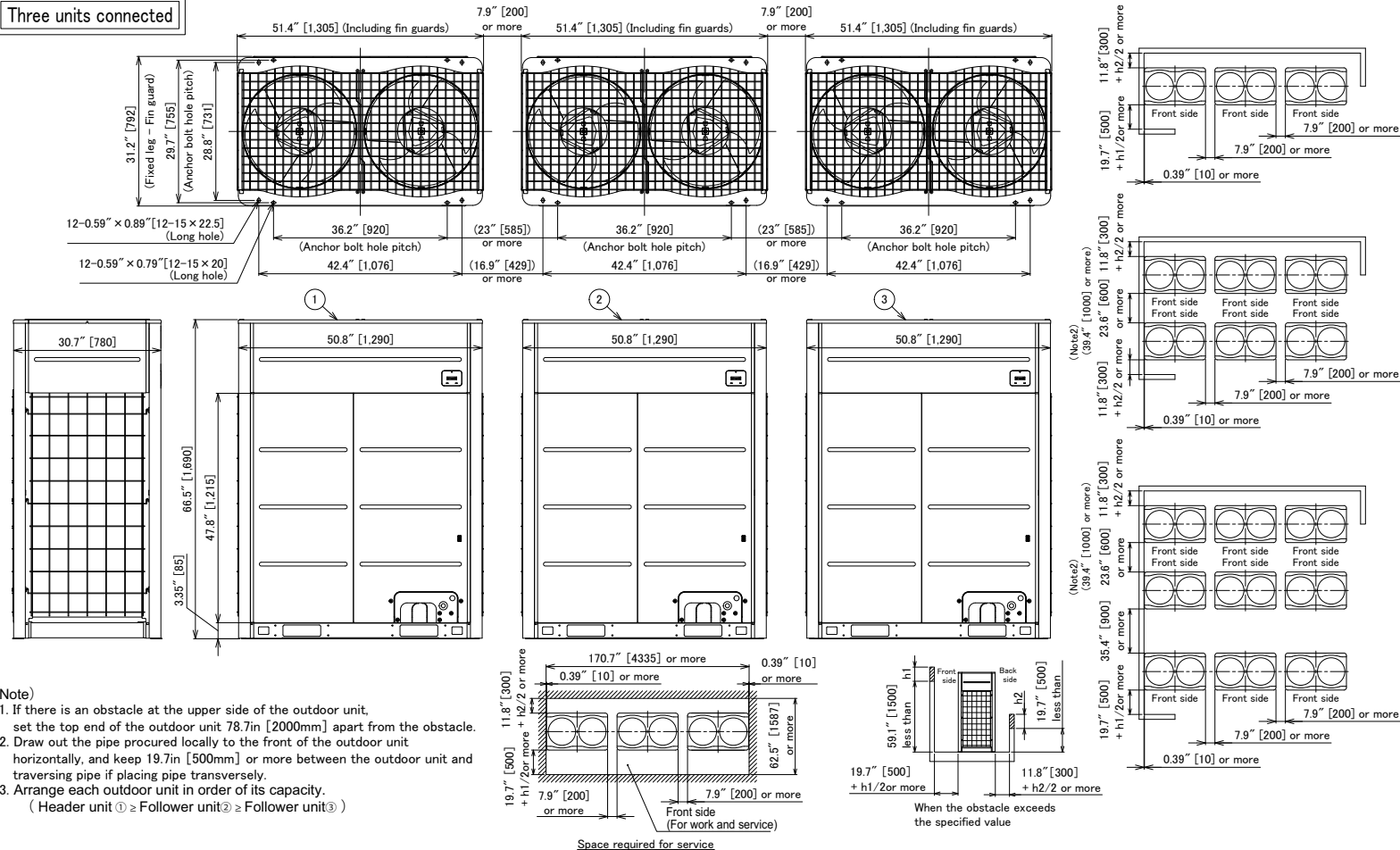
*Requires setting by menu functions.

††Additional charge required.

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

DIMENSIONAL DRAWING OUTDOOR UNIT MMY-UP4561FT9P-UL

Three units connected



Model name	① Header unit	② Follower unit	③ Follower unit
MMY-UP4561FT9P-UL	MMY-MUP1681FT9P-UL	MMY-MUP1441FT9P-UL	MMY-MUP1441FT9P-UL

