

Toshiba Air Conditioning Data Sheet

MUP1401HT8P-E
SMMS-u Heat Pump VRF



Model Reference	MUP1401HT8P-E		
Capacity Range	HP	14	
Maximum Number of Indoor Units	QTY	31	
Cooling Capacity	kW	40.0	
Heating Capacity	kW	40.0	
Operating Range Cooling/Heating	°C	-10.0 to 52.0/-25.0 to 15.5	
Cooling	Power Consumption	kW	14.55
	EER/SEER/Energy Efficiency Class (or ηsc %)		2.75/7.05/279.0
Heating	Power Consumption	kW	10.00
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)		4.00/4.60/181.0
Fan(s)	Standard Air Flow H	l/s	3300
	Standard Air Flow H	m ³ /h	11880
	External Static Pressure	Pa	80
Sound	Pressure Level C/H	dB(A)	58/62
	Power Level C/H	dB(A)	79/82
Unit(s)	Height x Width x Depth	mm	1690 x 990 x 780
	Weight	kg	228
	Refrigerant Base Charge	kg	6
Pipe Connections	Suction Gas Pipe Brazing	inch	1 1/8
	Liquid Pipe Flare	inch	5/8
Maximum	Equivalent Length	m	210
	Real Length	m	170
	Total Pipe Length (Liquid Line Real Length)	m	500
	Length To First Branch	m	100
	Equivalent Length Of Outdoor Unit Connecting Pipe	m	10
	Real Length Of Indoor Unit Connecting Piping	m	30
	Equivalent Length Between Branches	m	50
	Height Difference Outdoor Higher Than Indoor Units	m	70 (110*)
	Height Difference Outdoor Lower Than Indoor Units	m	40 (110*)
	Height Difference Between Indoor Units	m	40
	Height Difference Between Outdoor Units	m	5
	Electrical	Voltage Range Minimum/Maximum	V
Electrical Characteristic Running Current Cooling/Heating		A	22.60/15.50
Power Supply Wiring Starting Current		A	Soft Start
Power Supply		V/ph/Hz	380-415/3/50
Suggested Fused Supply(s)		A	40

The electrical installation needs to meet current electrical regulations BS7671:2018 the 18th Edition of the IET regulations. Fuse sizes shown are for guidelines only and should be calculated using the MCA/MOCP details on the following page

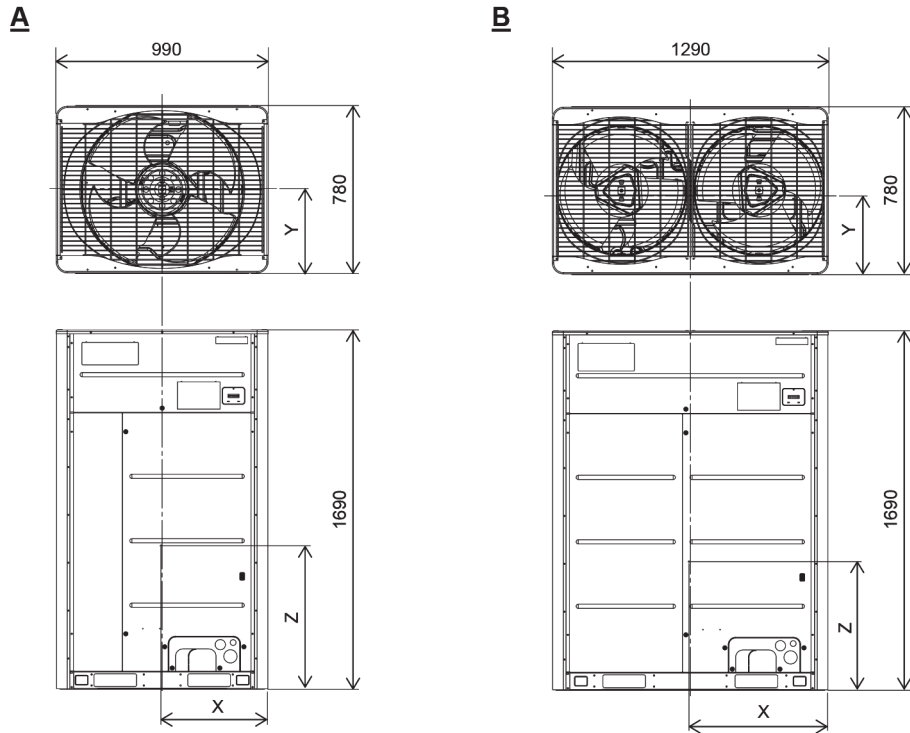
TOSHIBA

- Intelligent Defrost
- Dual set point
- Piping design flexibility
- 250m furthest indoor
- 110m height indoor to outdoor
- NFC Commissioning and maintenance
- High efficiency
- Innovative technology Triple rotary compressor

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UK capacities are based on the following conditions: Cooling: Indoor 23°C DB/16°C WB ~ Outdoor 29°C DB Heating: Indoor 20°C DB ~ Outdoor -5°C/100% RH Nominal capacities are based on NEMA Cooling: Indoor 27°C DB/19°C WB ~ Outdoor 35°C DB Heating: Indoor 20°C DB ~ Outdoor 7°C/100% RH 7.5m Pipe Run and High Speed. Data from Toshiba Air Conditioning July 2019

◆ Weight center of an outdoor unit



No.	Model	X (mm)	Y (mm)	Z (mm)	Mass (kg)
A	MMY-MUP0801 *	500	400	675	228
	MMY-MUP1001 *				
	MMY-MUP1201 *				
	MMY-MUP1401 *				
B	MMY-MUP1601 *	650	370	605	312
	MMY-MUP1801 *				334
	MMY-MUP2001 *	640	360	680	356
	MMY-MUP2201 *				
MMY-MUP2401 *					

MCA: Minimum Circuit Amps
MOCP: Maximum Overcurrent Protection (Amps)

Model name	Phase supply	MCA	MOCP
MMY-MUP0801 *	3N~ 50Hz 380-400-415V	17	20
MMY-MUP1001 *		23	32
MMY-MUP1201 *		27	32
MMY-MUP1401 *		31	40
MMY-MUP1601 *		34	40
MMY-MUP1801 *		38	50
MMY-MUP2001 *		40	50
MMY-MUP2201 *		57	63
MMY-MUP2401 *		60	80