

## Toshiba Air Conditioning Data Sheet

MUP1601HT8P-E  
SMMS-u Heat Pump VRF



Model Reference		MUP1601HT8P-E	
Capacity Range		HP	16
Maximum Number of Indoor Units		QTY	36
Cooling Capacity		kW	45.0
Heating Capacity		kW	45.0
Operating Range Cooling/Heating		°C	-10.0 to 52.0/-25.0 to 15.5
Cooling	Power Consumption	kW	14.06
	EER/SEER/Energy Efficiency Class (or ηsc %)		3.20/7.71/305.4
Heating	Power Consumption	kW	11.94
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)		3.77/4.79/188.6
Fan(s)	Standard Air Flow H	l/s	4250
	Standard Air Flow H	m <sup>3</sup> /h	15300
	External Static Pressure	Pa	80
Sound	Pressure Level C/H	dB(A)	60/63
	Power Level C/H	dB(A)	83/86
Unit(s)	Height x Width x Depth	mm	1690 x 1290 x 780
	Weight	kg	312
	Refrigerant Base Charge	kg	9
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	21.60/18.30
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

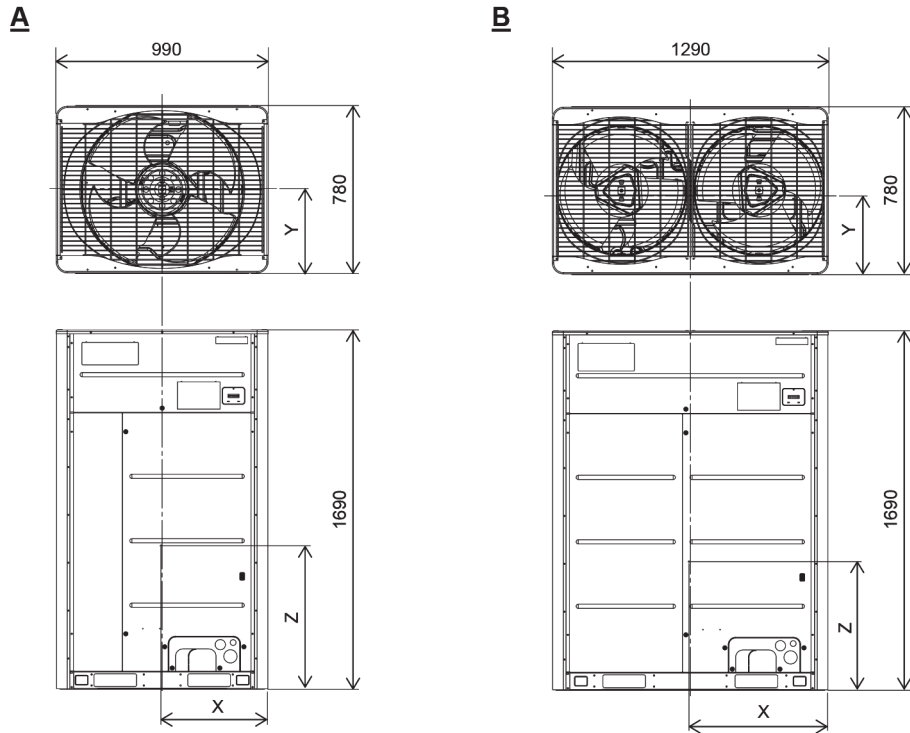
# TOSHIBA

- 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

[www.cdlweb.info](http://www.cdlweb.info)

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