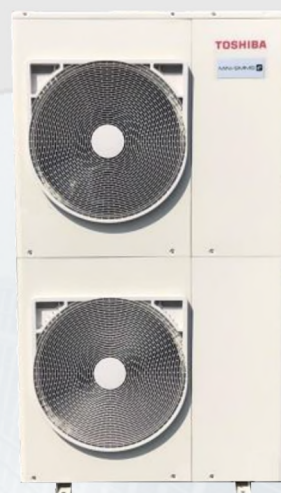


## New 8HP & 10HP Mini SMMSe VRF Outdoor Unit

**TOSHIBA** are pleased to announce the release of the new 8HP and 10HP Mini SMMSe VRF Outdoor Units to join the VRF line-up.

### 1. Line-up

HP	New Model	Nominal Capacity (kW)	
		Cooling	Heating
8	MCY-MHP0806HS8-E	22.4	22.4
10	MCY-MHP1006HS8-E	28.0	28.0



### 2. Production

End of December 2019 from TCAC, China.

### 3. Features

- a. Large Capacity MiNi VRF with reduced refrigerant volume.
- b. Extended pipe length (300m) and height difference (30m) over current 2 fan (4-6HP) models.
- c. First MiNi VRF to be compatible with Hot Water Module (M-HWM only).

For further information please contact our customer support team on [0870 843 0333](tel:0870 843 0333), your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - [general.enquiries@toshiba-ac.com](mailto:general.enquiries@toshiba-ac.com)

## 4. Preliminary Specification

Outdoor unit model name				MCY-MHP0806HS8-E	MCY-MHP1006HS8-E
Outdoor unit type				Inverter	Inverter
Capacity code			HP	8	10
Cooling Capacity Nominal (*1)			kW	22.4	28.0
Heating Capacity Nominal (*1)			kW	22.4	28.0
Heating Capacity Max.			kW	25.0	31.5
Electrical characteristics (Nominal) (*1)	Power supply (*2)			3phase 50Hz 380/400/415V	3phase 50Hz 380/400/415V
	Cooling	Running current	A	11.0/10.5/10.1	15.3/14.5/14.0
		Power consumption	kW	6.59	9.34
		EER		3.40	3.00
		SEER (ErP Lot6/21)		8.12	7.40
	Heating	Running current	A	8.5/8.1/7.8	11.4/10.9/10.5
		Power consumption	kW	5.09	7.00
		COP		4.40	4.00
		SCOP (ErP Lot6/21)		4.50	4.38
	Starting Current		A	Soft start	Soft start
Dimension	Unit	Height	mm	1,740	1,740
		Width	mm	990	990
		Depth	mm	390	390
	Packing	Height	mm	1,860	1,860
		Width	mm	1,130	1,130
		Depth	mm	522	522
Total Weight	Unit	kg	147	147	
	Packed unit	kg	166	166	
Appearance (Colour)				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output kW			6.60	6.60
Fan unit	Fan			Propeller fan x 2	Propeller fan x 2
	Motor output	W		100+100	100+100
	Air volume	m3/h		8,460	8,820
Heat exchanger				Finned tube	Finned tube
Refrigerant R410A (Charged refrigerant amount (*3))			kg	4.4	4.4
High-pressure switch			Mpa	ON:4.15, OFF:3.20	ON:4.15, OFF:3.20
Protective devices				Discharge temp sensor/ Suction temp sensor/High Pressure sensor	Discharge temp sensor/ Suction temp sensor/High Pressure sensor
				Low pressure sensor/ Compressor case thermostat/ PC board fuse	Low pressure sensor/ Compressor case thermostat/ PC board fuse
Electrical specifications (*4)	Unit	MCA (*5)	A	17.0	20.0
		MOCP (*6)	A	20.0	25.0
Refrigerant piping	Connecting port diameter	Gas side (main pipe)	mm	3/4"	3/4"
		Liquid side (main pipe)	mm	3/8"	3/8"
	Connecting method	Gas side		Flare	Flare
		Liquid side		Flare	Flare
Total extension of piping			m	300	300
Max. height difference			m	30	30
Max. No. of connected indoor units				12	16 (*6)
Sound pressure level		Cooling	dB(A)	58	59
		Heating	dB(A)	59	60
	Night operation (*7) (Sound reduction) control	Cooling	dB(A)	50	50
		Heating	dB(A)	50	50
Sound power level		Cooling	dB(A)	75	77
		Heating	dB(A)	75	77
	Night operation (*7) (Sound reduction) control	Cooling	dB(A)	67	67
		Heating	dB(A)	67	67
Operation temperature range		Cooling	CDB	-5 to 46	-5 to 46
		Heating	CWB	-20 to 15	-20 to 15

(\*1) Rated conditions Cooling: Indoor 27 degC Dry Bulb /19 degC Wet Bulb, Outdoor 35 degC Dry Bulb.

Heating: Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC Wet Bulb.

The standard pipe means that equivalent piping length of 7.5m and standard 0m piping height difference.

(\*2) The source voltage must not fluctuate more than ±10%.

(\*3) The amount does not consider extra piping length. Refrigerant must be added on site in accordance with the actual piping length.

(\*4) Select wire size based on the larger value MCA.

(\*5) MOCP Maximum overcurrent protection (Amps)

(\*6) When the no. of connecting indoor units exceed 12 maximum total capacity code of indoor units will be 11.0

(\*7) Need to procure optional accessory control interface PCB.