

New Medium & High Temperature HWM

TOSHIBA are pleased to announce the launch of the Mid and high temperature hot water modules for connection to the SHRM-e systems.



MT-HWM



HT-HWM

1. Line Up

Type	Model Name	Notes
Medium Temperature MT-HWM	MMW-AP0271LQ-E	Updated Software
	MMW-AP0561LQ-E	
High Temperature HT-HWM	MMW-AP0481CHQ-E	New Model

2. Production date

- SHRM-e (software update) : 2nd June 2018
- MT-HWM (software update) : 11th July 2018
- HT-HWM : August 2018

3. Features

- MT-HWM & HT-HWM can supply hot water, during cooling operation by connecting with SHRM-e
- Hot water supply temperature : MT-HWM = 25~50°C
- Hot water supply temperature : HT-HWM = 50~82°C
- Expansion of function : HWM + FCU connectable up to 200%
HWM ambient operating range -25°C~40°C (DB)

4. Notes

- SHRM-e software was changed from the 2nd June production to enable connection with the Hot Water Module. Please purchase a Service PCB (43T6W386) for product produced before this date. TCEU-P will provide a Service to update the PCB until the end of 2018. The update process will be to send the PCB to Plymouth where it will be updated and returned, where it will need to be re-installed in the outdoor unit it came from.
- MT-HWM software has changed from product produced from 11th July to enable it to connect with SHRM-e. Please purchase a service PCB (4316V529) for product produced before this date. Please note that you will also need to replace the software on the SHRM-e as explained in above point.

5. Connectable units

VRF products: SMMS-e / SHRM-e

- MT-HWM : SMMS-e / SHRM-e
SMMS-e Model name : MMY-MAP***6HT8P-E
SHRM-e Model name : MMY-MAP***6FT8P-UK
- HT-HWM: SHRM-e
SHRM-e Model name : MMY-MAP***6FT8P-UK

The software of the SHRM-e is updated to be connected with MT-HWM & HT-HWM.

MT-HWM & HT-HWM can work when you connect to the SHRM-e made after July.

SHRM-e system including MT-HWM & HT-HWM can use only Multi port FS unit or Single port FS unit 4 series.

BMS units cannot be connected with "Hot Water Module".

Connectable Remote Controllers:

- MT-HWM
See Section 10. Control Options Compatibility
- HT-HWM
See Section 10. Control Options Compatibility

6. Connectable Outdoor Units

- You can confirm the connectable outdoor unit by serial No on ODU.

You can confirm the connectable outdoor unit by serial No on ODU.(※1)

(※1) SHRM-e which is connectable to "Hot Water Module".
You can check Production Month by the serial number.

Serial Number Pattern

8 2 7 00001

Sequence number
Production month *Note 1
27 means July
Production year
8 means 2018

*Note 1

TCTC	Month
21	January
22	February
23	March
24	April
25	May
26	June
27	July
28	August
29	September
30	October
31	November
32	December

(※1) Mid temperature Hot Water Module which is connectable to "SHRM-e".
You can check Production Month by the serial number.

Serial Number Pattern




8 0 7 Y0001

Sequence number
Production month *Note 1
07 means July
Production year
8 means 2018

*Note 1

TCC	Month
01	January
02	February
03	March
04	April
05	May
06	June
07	July
08	August
09	September
10	October
11	November
12	December

7. Specification

Model Name		MT-HWM		HT-HWM
		MMW-AP0271LQ-E	MMW-AP0561LQ-E	MMW-AP0481CHQ-E
Appearance				
Dimension		580 X 400 X 250	580 X 400 X 250	700 X 900 X 320
Connecting ODU	Heat Pump	OK	OK	-
	Heat Recovery	OK	OK	OK
Capacity	Heating	8kW	16kW	14kW
	Hot Water Supply	8kW	16kW	14kW
Electrical Characteristics		220/240-1-50	220/240-1-50	220/240-1-50
Installation location		Indoor	Indoor	Indoor
HWM Operation Range		5~32°CDB	5~32°CDB	5~32°CDB
Sound Pressure Level		25dBa	27dBa	44dBa
ODU Operating Range	Heating	-25~40°CDB	-25~40°CDB	-25~40°CDB
	Hot Water Supply	-25~40°CDB	-25~40°CDB	-25~40°CDB
Water Outlet Side	Heating	25~50°C	25~50°C	25~40°C
	Hot Water Supply	25~50°C	25~50°C	25~40°C
Diversity (SHRM-e)	FCU + MT-HWM + HT-HWM	≤200% (FCU ≤ 120%)		
	FCU + MT-HWM	≤135%		
	FCU + HT-HWM	≤200%		
	MT-HWM + HT-HWM	≤100%		
Max Connecting IDU (FCU+HWM)		32 units		

8. Combination Table

MT-HWM(Mid temperature Hot Water Module)

				Connection	New RC : Refrigerant Leakage	New RC : Dual-Set-Point	New RC : Soft-Cooling	FS Unit : Individual RC
SHRM-e	Multi Port FS Unit	Mid temperature Hot Water Module	Current R/C	OK	N/A	N/A	N/A	OK
	Single port FS unit 4 series* * Up to 42HP	Mid temperature Hot Water Module	Current R/C	OK	N/A	N/A	N/A	OK
SMMS-e		Mid temperature Hot Water Module	Current R/C	OK	N/A	N/A	N/A	

Current R/C : RBC-AMT32E, RBC-AMS41E, RBC-AS41E

HT-HWM(High temperature Hot Water Module)

				Connection	New RC : Refrigerant Leakage	New RC : Dual-Set-Point	New RC : Soft-Cooling	FS Unit : Individual RC
SHRM-e	Multi Port FS Unit	High temperature Hot Water Module	RBC-AMS(54)55E-ES/EN	OK	N/A	N/A	N/A	OK
			Current R/C	OK	N/A	N/A	N/A	OK
	Single port FS unit 4 series* * Up to 42HP	High temperature Hot Water Module	RBC-AMS(54)55E-ES/EN	OK	N/A	N/A	N/A	OK
			Current R/C	OK	N/A	N/A	N/A	OK

Current R/C : RBC-AMT32E, RBC-AMS41E, RBC-AS41E

9. Controls options compatibility

Appliance name		Model Name	Connection	
			MT-HWM	HT-HWM
Remote controller				
1	Wired remote controller	RBC-AMT32E	v	v
2		RBC-AMS41E	v	v
3		RBC-AMS54_55E-ES/EN	x	v
4		RBC-AS41E	v	v
5		NRC-01HE	x	x
6		RBC-ASC11E	x	x
Schedule timer and central remote controller				
7	Schedule timer	TCB-EXS21TLE	v	x
8	Central remote controller	TCB-CC163TLE2	v	x
Advanced central control				
9	Smart BMS Manager with data analyzer	BMS-SM1281ETLE	x	x
10	Touch Screen controller	TCB-TSC640-PY	x	x
11	Touch Screen controller	BMS-CT5121E	x	x
12	LON Interface	TCB-IFLN642TLE	x	x
13	Modbus Interface	TCB-IFMB641TLE	x	x
14	BACnet Server	BMS-LSV6E	x	x
15	Analog Interface	TCB-IFCB640TLE	x	x
16	BACnet IP	BMS-IFBN640TLE	x	x
17	KNX Interface	TO-AC-KNX-16/64	x	x
18	Smart device control interface	BMS-IWF0320E	v	x
Indoor unit optional devices				
19	Remote location ON/OFF control box	TCB-IFCB-4E2	v	v
20	Window Switch & Remote location ON/OFF control box	TCB-IFCB5-PE	v	v
21	Modbus 1:1 Interface	BMS-IFMB0TLR-E	x	x
22	KNX 1:1 Interface	BMS-IFKX0TLR-E	x	x

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