

PRODUCT BULLETIN

New VRF High Wall PMV-Less 3 & 4 Series Indoor

- Lower Noise by locating PMV external to unit

*Available Qtr. 1 2015

TOSHIBA are pleased to announce the launch of the new High Wall 3 & 4 Series “PMV-Less” to complement the existing VRF Indoor Unit line-up. With the increased demand in the Hotel market, the addition of the PMV-less High Wall models offer an ideal solution where low noise levels are essential allowing the PMV kit to be installed outside of the conditioned space to provide whisper quiet indoor operation.

1. Connectable Outdoor units

1. SHRMi (& SHRM)
2. SMMSi (& SMMS)
3. MiNi SMMS

MMK-AP_HP-E1



MMK-AP_MHP-E1



2. New Line-up

	Capacity Range HP	New Model	Rated Capacity (kW)		Dimension H x W x D (mm)	Weight (kg)
			Cooling	Heating		
3 Series	0.8	MMK-AP0073HP-E1	2.2	2.5	320 x 1050 x 228	15
	1.0	MMK-AP0093HP-E1	2.8	3.2		
	1.25	MMK-AP0123HP-E1	3.6	4.0		
	1.7	MMK-AP0153HP-E1	4.5	5.0		
	2.0	MMK-AP0183HP-E1	5.6	6.3		
	2.5	MMK-AP0243HP-E1	7.1	8.0		
4 Series	0.8	MMK-AP0074MHP-E1	2.2	2.5	275 x 790 x 208	11
	1.0	MMK-AP0094MHP-E1	2.8	3.2		
	1.25	MMK-AP0124MHP-E1	3.6	4.0		
Type		Accessory	Capacity HP			
New PMV Kit*		RBM-PMV0363E	0.8 - 1.25			
		RBM-PMV0903E	1.7 - 2.5			

*A PMV kit must be installed with each Indoor Unit

3. Factory Production date

Mid December 2014, Ex-Factory (TCTC).

To complement existing High Wall indoor unit line-up

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

SPECIFICATIONS (Preliminary)

VRF High Wall

Model name	MMK-	AP0073HP-E1	AP0093HP-E1	AP0123HP-E1	
Cooling capacity	⁽¹⁾ (kW)	2.2	2.8	3.6	
Heating capacity	⁽¹⁾ (kW)	2.5	3.2	4.0	
Electrical characteristics	Power supply	1 phase / 50Hz 230V (220V-240V), 1 phase / 60Hz 1220V (Separate power supply for indoor units is required)			
	Running current	(A)	0.17	0.19	0.19
	Power consumption	(kW)	0.018	0.021	0.021
	Starting current	(A)	0.22	0.24	0.24
Outer dimension	Height	(mm)	320	320	320
	Width	(mm)	1050	1050	1050
	Depth	(mm)	228	228	228
Total weight	(kg)	15	15	15	
Fan unit	Standard air flow H/M/L	(m3/h)	570 / 450 / 390	600 / 480 / 390	600 / 480 / 390
	Motor	(W)	30	30	30
Air filter	Standard filter (Long life filter)				
Connecting pipe	Gas side	(mm)	9.5	9.5	9.5
	Liquid side	(mm)	6.4	6.4	6.4
Sound pressure level	H/M/L	⁽²⁾ (dBA)	35 / 31 / 28	37 / 32 / 28	37 / 32 / 28
Sound power level	H/M/L	⁽²⁾ (dBA)	50 / 46 / 43	52 / 47 / 43	52 / 47 / 43

Model name	MMK-	AP0153HP-E1	AP0183HP-E1	AP0243HP-E1	
Cooling capacity	⁽¹⁾ (kW)	4.5	5.6	7.1	
Heating capacity	⁽¹⁾ (kW)	5.0	6.3	8.0	
Electrical characteristics	Power supply	1 phase / 50Hz / 230V (220V-240V), 1 phase / 60Hz / 220V (Separate power supply for indoor units is required)			
	Running current	(A)	0.32	0.32	0.37
	Power consumption	(kW)	0.043	0.043	0.05
	Starting current	(A)	0.41	0.41	0.47
Outer dimension	Height	(mm)	320	320	320
	Width	(mm)	1050	1050	1050
	Depth	(mm)	228	228	228
Total weight	(kg)	15	15	15	
Fan unit	Standard air flow H/M/L	(m3/h)	840 / 660 / 540	840 / 660 / 540	1020 / 750 / 570
	Motor	(W)	30	30	30
Air filter	Standard filter (Long life filter)				
Connecting pipe	Gas side	(mm)	12.7	12.7	15.9
	Liquid side	(mm)	6.4	6.4	9.5
Sound pressure level	H/M/L	⁽²⁾ (dBA)	41 / 36 / 33	41 / 36 / 33	46 / 39 / 34
Sound power level	H/M/L	⁽²⁾ (dBA)	56 / 51 / 48	56 / 51 / 48	61 / 54 / 49

- ◆ Note 1 :
The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B 8615 based on the reference piping. The reference piping consists of 5m of main piping and 2.5m of branch piping connected with 0 meter height.
- ◆ Note 2 :
The sound levels are measured in an anechoic chamber in accordance with JIS B 8616.
Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.
- ◆ Note:
Rated conditions Cooling: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB
Heating: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB

SPECIFICATIONS (Preliminary)

VRF High Wall

Model name	MMK-	MMK-AP0074MHP-E1	MMK-AP0094MHP-E1	MMK-AP0124MHP-E1	
Cooling capacity	⁽¹⁾ (kW)	2.2	2.8	3.6	
Heating capacity	⁽¹⁾ (kW)	2.5	3.2	4.0	
Electrical characteristics	Power supply	1 phase / 50Hz 230V (220V-240V), 1 phase / 60Hz 1220V (Separate power supply for indoor units is required.)			
	Running current	(A)	0.17	0.18	0.19
	Power consumption	(kW)	0.017	0.018	0.019
	Starting current	(A)	0.22	0.23	0.24
Outer dimension	Height	(mm)	275	275	275
	Width	(mm)	790	790	790
	Depth	(mm)	208	208	208
Total weight	(kg)	11	11	11	
Fan unit	Standard air flow H/M/L	(m3/h)	480 / 420 / 360	510 / 450 / 360	540 / 450 / 360
	Motor	(W)	30	30	30
Air filter		Standard filter (Long life filter)			
Connecting pipe	Gas side	(mm)	9.5	9.5	9.5
	Liquid side	(mm)	6.4	6.4	6.4
Sound pressure level	H/M/L	⁽²⁾ (dBA)	35 / 32 / 29	36 / 33 / 29	37 / 33 / 29
Sound power level	H/M/L	⁽²⁾ (dBA)	50 / 47 / 44	51 / 48 / 44	52 / 48 / 44

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