

**TOSHIBA**



**MINI-SMMS**



*Better Air Solutions*



# Better Air Solutions

Through our commitment to world-class **efficiency**, versatile **scalability** and leading **quality**, Toshiba Air Conditioning advances leading-edge technologies to find the most forward-thinking solutions possible for your world.



**Toshiba Mini-SMMS VRF** air conditioner lineup lets you cool many rooms with a single system. Outdoor units ranging 4 to 12Hp, offer best reliability, more compact and flexible design, the MiNi-SMMS VRF makes a perfect solution for condominiums, small offices and small shops.

## Indoor Unit Specifications

### High Wall Type Indoor Units (Made in Thailand)



Model No.	MMK-	UP0091HP-E	UP0121HP-E	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0301HP-E	UP0361HP-E
Cooling capacity	(kw)	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2
Heating capacity	(kw)	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5
Power supply	(V/ph/Hz)	220/1/50							
Power consumption	(kw)	0.016	0.017	0.028	0.032	0.050	0.034	0.054	0.066
Running current	(A)	0.16	0.17	0.25	0.28	0.40	0.30	0.46	0.56
Air flow (H/M/L)	(m <sup>3</sup> /h)	510/ 395/ 270	540/ 410/ 270	840/ 690/ 550	900/ 720/ 550	1200/ 900/ 600	1200/ 1000/ 800	1500/ 1300/ 1100	1650/ 1350/ 1250
Dimension (HxWxD)	(mm)	293x798x230		320x1050x250			348x1200x280		
Total weight	(kg)	11		16			21		
Sound pressure level	(dBA)	36/31/25	37/32/25	40/36/32	41/37/32	45/39/33	44/41/39	48/44/41	50/45/43
Connecting pipe (Gas/Liquid)	(mm)	ø9.5/ø6.4		ø12.7/ø6.4			ø15.9/ø9.5		
Refrigerant		R410A							

## — Duct Type Indoor Units (Made in Thailand)



Model No.	MMD-	UP0091BHP-E	UP0121BHP-E	UP0151BHP-E	UP0181BHP-E	UP0241BHP-E	UP0301BHP-E	UP0361BHP-E	UP0481BHP-E
Cooling capacity	(kw)	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity	(kw)	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power supply	(V/ph/Hz)	220/1/50							
Power consumption	(kw)	0.06		0.11		0.135		0.22	
Running current	(A)	0.38		0.7		0.8		1.29	
Air flow (H/M/L)	(m <sup>3</sup> /h)	570/ 480/ 390		920/ 660/ 540		1320/ 1090/ 870		1450/ 1200/ 960	
External static pressure (Max)	Pa	30 (150)				40 (150)		50 (150)	
Dimension (HxWxD)	(mm)	275x700x750				275x1000x750		275x1400x750	
Total weight	(kg)	23				30		40	
Sound pressure level	(dBA)	30/26/23		33/29/25		33/30/27		36/31/27	
Connecting pipe (Gas/Liquid)	(mm)	ø9.5/ø6.4		ø12.7/ø6.4		ø15.9/ø9.5			
Refrigerant		R410A							

## — Cassette Type Indoor Units (Made in Thailand)



Model No.	MMU-	UP0091HP-E	UP0121HP-E	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0301HP-E	UP0361HP-E	UP0481HP-E	
Cooling capacity	(kw)	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity	(kw)	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power supply	(V/ph/Hz)	220/1/50								
Power consumption	(kw)	0.021		0.023		0.026		0.036		
Running current	(A)	0.23		0.28		0.29		0.38		
Air flow (H/M/L)	(m <sup>3</sup> /h)	800/ 730/ 680		930/ 830/ 790		1050/ 920/ 800		1290/ 920/ 800		
Dimension (HxWxD)	(mm)	256x840x840						319x840x840		
Total weight	(kg)	18			20			25		
Sound pressure level	(dBA)	30/29/27		31/29/27		32/29/27		35/31/28		38/33/30
Connecting pipe (Gas/Liquid)	(mm)	ø9.5/ø6.4		ø12.7/ø6.4		ø15.9/ø9.5				
Refrigerant		R410A								

## — Ceiling Suspended Type Indoor Units (Made in Thailand)



Model No.	MMC-	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0361HP-E	UP0481HP-E
Cooling capacity	(kw)	4.5	5.6	7.1	11.2	14.0
Heating capacity	(kw)	5.0	6.3	8.0	12.5	16.0
Power supply	(V/ph/Hz)	220/1/50				
Power consumption	(kw)	0.033	0.034	0.067	0.083	
Running current	(A)	0.35	0.36	0.64	0.77	
Air flow (H/M/L)	(m <sup>3</sup> /h)	840/690/540		960/720/540		1440/1020/750
Dimension (HxWxD)	(mm)	235x952x690			235x1270x690	
Total weight	(kg)	24		30		39
Sound pressure level	(dBA)	36/34/28		37/35/28		41/36/29
Connecting pipe (Gas/Liquid)	(mm)	ø12.7/ø6.4			ø15.9/ø9.5	
Refrigerant		R410A				

## Space saving and light weight

The new design of MiNi-SMMS VRF has been optimized the height of 4 HP to 6 HP by reduced to only 890mm. This design gives the building a sleek look and well-organized exterior. The MiNi-SMMS VRF outdoor units are compact and have small physical footprint of only 0.29 sq.m..The highly space saving outdoor units are able to maximize utilization of installation space.



\* Cooling only model

## Design flexibility

MiNi-SMMS VRF provides high flexibility in design due to wide range of indoor unit choices, this helps expanding interior design ideas, opening the door to stylish and elegant life style.



Connectable up to maximum 12 indoor units for excellent flexibility and well-designed room.





## Environmentally oriented

Toshiba MiNi-SMMS VRF uses refrigerant which is confirmed to be non-ozone depleting, non-flammable and non-toxic.

## Wider ambient operation

Toshiba MiNi-SMMS VRF is designed to expand cooling operation temperature range up to 50°C, this is to guarantee high reliability of our product even high ambient temperature. MiNi-SMMS VRF can operate smoothly.

Outdoor operation temperature

(Cooling°C DB)



## Outdoor Unit Specifications

### Inverter Cooling Only Series (Made in Thailand)



Model No.	MCY-	MAP0401TP	MAP0501TP	MAP0601TP
Capacity code	HP	4	5	6
Cooling capacity	(kw)	12.1	14.1	16.0
Power supply	(V/ph/Hz)	220/1/50		
Power consumption	(kw)	3.18	3.92	4.44
Running current	(A)	15.6	18.9	21.2
Maximum overcurrent protection	(A)	32.0		
Dimension (HxWxD)	(mm)	890x900x320		
Total weight	(kg)	74		
Sound pressure level	(dBA)	52	53	55
Connecting pipe (Gas/Liquid)	(mm)	ø15.9/ø9.5		ø19.1/ø9.5
Refrigerant		R410A		

## Inverter Heat Pump Series (Made in Japan)



Model No.	MCY-	MAP0407HT-HK	MAP0507HT-HK	MAP0607HT-HK
Capacity code	HP	4	5	6
Cooling capacity	(kw)	12.1	14.0	15.5
Heating capacity	(kw)	12.5	16.0	17.0
Power supply	(V/ph/Hz)	220/1/50		
Power consumption	(kw)	3.10	3.78	4.30
Running current	(A)	16.0	18.2	21.0
Maximum overcurrent protection	(A)	32.0		
Dimension (HxWxD)	(mm)	1050x1010x370		
Total weight	(kg)	99		
Sound pressure level	(dBA)	52	53	54
Connecting pipe (Gas/Liquid)	(mm)	ø15.9/ø9.5		ø19.1/ø9.5
Refrigerant		R410A		

## Inverter Heat Pump Series (Made in China)



Model No.	MCY-	MHP0405H-HK	MHP0506HT-HK	MHP0606HT-HK	MHP0705HT8	MHP0805HT8	MHP1004HT8-1	MHP1204HT8-1
Capacity code	HP	4	5	6	7	8	10	12
Cooling capacity	(kw)	11.2	14.0	15.5	20	22.4	28.0	33.5
Heating capacity	(kw)	12.5	16.0	17.0	22.4	25	31.5	37.5
Power supply	(V/ph/Hz)	220/1/50			380/3/50			
Power consumption	(kw)	2.98	3.78	4.3	5.55	6.22	7.77	9.3
Running current	(A)	14.2	17.9	20.4	9.2	11.3	12.5	15.0
Maximum overcurrent protection	(A)	25.0	32.0		20.0		25.0	32.0
Dimension (HxWxD)	(mm)	900x990x390	910x990x390		1490x990x390		1825x990x390	
Total weight	(kg)	80	99		129		162	164
Sound pressure level	(dBA)	54		55		58		61
Connecting pipe (Gas/Liquid)	(mm)	ø15.9/ø9.5		ø19.1/ø9.5		ø22.2/ø9.5	ø22.2/ø12.7	ø25.4/ø12.7
Refrigerant		R410A						

All features and specifications are subject to change without prior notice. The picture is for reference only, and the product is subject to the actual product.



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