

R410A

Brochure

AP-MWM-J-15

WALL MOUNTED J SERIES

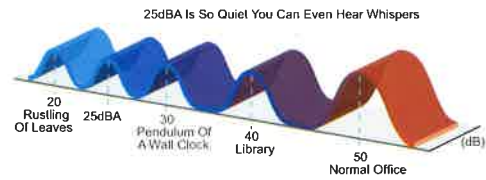


McQuay[®]
Air Conditioning

Another Quality Product by **DAIKIN**

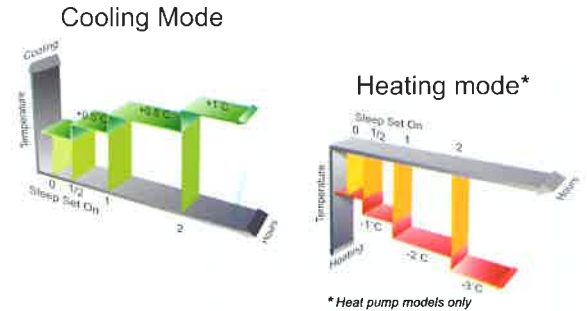
Indoor Quiet Mode

This series gives you five selectable fan speeds. Its wide range of setting allows you to precisely control your preferable fan speed. By selecting quiet mode, the operational sound level can be reduced to an unobtrusive 25dBA.



Sleep Mode

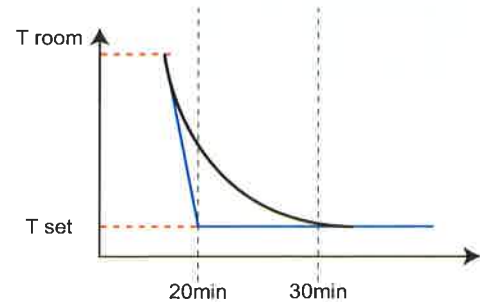
Once activated, sleep mode ensures a comfortable environment for restful sleep. Depending on the mode, set temperature is increased / decreased gradually according to normal sleeping temperature patterns.



Turbo Mode

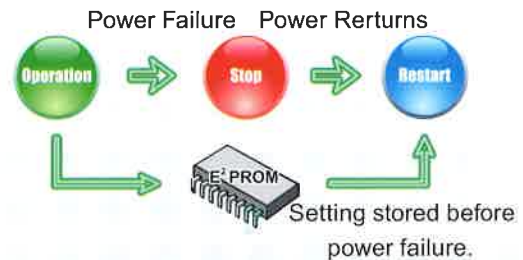
TURBO function is available in COOL, HEAT and DRY modes only. Once turbo mode is activated, the air-conditioner will run into full power with indoor fan running at maximum speed for 20 minutes. This enables the required set temperature to be achieved in a short time.

* If TURBO and SLEEP are activated at the same time, the SLEEP mode

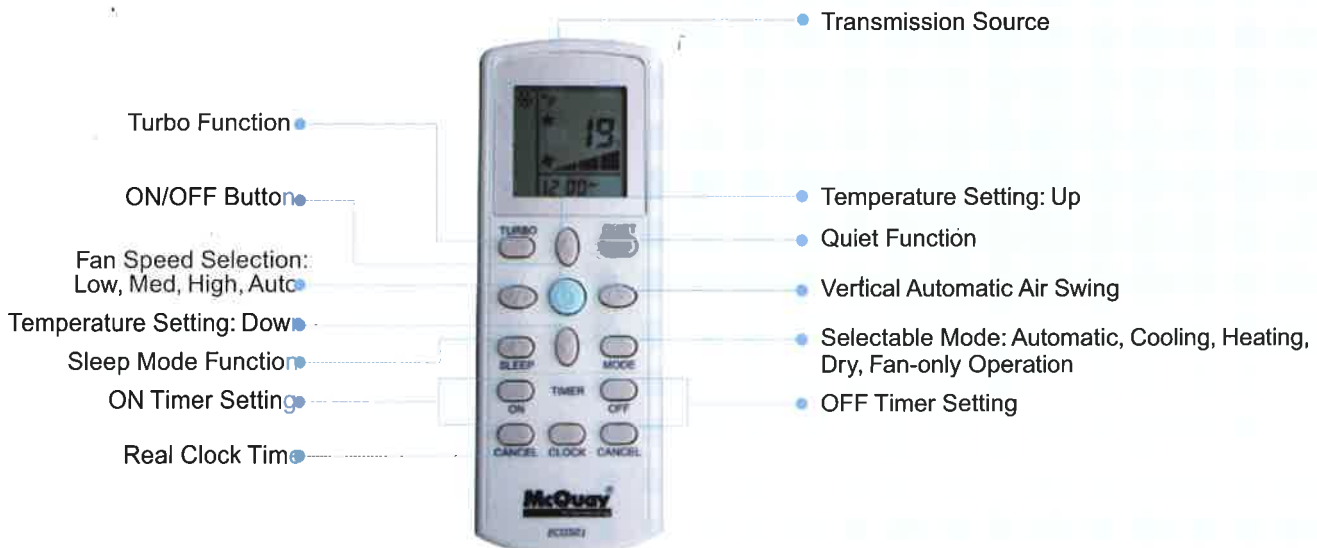


Auto Restart with Last Setting Condition

In the event of a sudden power failure during operation, unit can be automatically restart (subject to certain protection conditions) from last setting condition. This eliminates the need to restart manually after each power failure.



New APGS01 Wireless Remote Controller





Protection 1 - Bio Antibody Filter

- A special moisture-retaining filter material containing IgY antibody obtained by Extraction Technique.
- Neutralization of virus as a result of natural antigen-antibody reaction.
- Deactivates up to 99.99% various airborne infectious viruses within 1 minute.*
- It lasts for one year after opening its accessory bag.

* Proven through joint research with Waseda University (Japan), Japanese Ministry of Health, Labor & Welfare and National Institute of Infectious Diseases (Japan).

Protection 2 - Titanium Apatite Filter

- A new material combining the absorption capability of apatite and the photo catalyst capability of titanium oxide.
- Dissolves absorbed substance such as odors and harmful airborne particles into harmless Water (H₂O) and Carbon Dioxide (CO₂) by photo catalytic process.
- With addition of Apatite, absorption power is double and dissolution efficiency is also improved.
- It lasts for three years without replacement if washed about once every six months.

* Bio-Mask is offered as optional accessories.



Single Split Wall Mounted - G / J / F Series R410A COOLING ONLY

MODEL	INDOOR UNIT		M5WM 07G2	M5WM 010J	M5WM 015J	M5WM 020J	M5WM 025J	M5WM 031F		
	OUTDOOR UNIT		M5LC 007C	M5LC 010CJ	M5LC 015CJ	M5LC 020CJ	M5LC 025CJ	M5LC 028C		
NOMINAL COOLING CAPACITY- 1Ø / <3Ø>	Btu/h		7,500	9,040	10,750	17,900	20,500	26,000 / <26,000>		
	W		2,200	2,650	3,150	5,250	6,010	7,620 / <7,620>		
NOMINAL TOTAL INPUT POWER- 1Ø / <3Ø>	W		620	825	1,094	1,635	1,870	2,628 / <2,628>		
NOMINAL RUNNING CURRENT	A		-	3.70	5.10	7.19	8.26	-		
COP- 1Ø / <3Ø>	W / W		3.55	3.21	2.88	3.21	3.21	2.98 / <2.90>		
REFRIGERANT TYPE	R410A									
INDOOR UNIT	POWER SOURCE		V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	
	AIR FLOW - 1Ø / <3Ø>	SUPER HIGH	l/s / CFM		-	169 / 358	176 / 372	269 / 570	269 / 641	-
		HIGH		130 / 275	161 / 342	168 / 355	253 / 536	253 / 614	316 / 670 / <316 / 670>	
		MEDIUM		106 / 225	133 / 282	141 / 298	226 / 478	253 / 537	297 / 630 / <297 / 630>	
		LOW		83 / 175	106 / 225	114 / 242	200 / 424	224 / 474	236 / 500 / <236 / 500>	
		SILENT		-	99 / 209	106 / 225	177 / 375	197 / 418	-	
	SOUND PRESSURE LEVEL - 1Ø / <3Ø>	SUPER HIGH	dBA		-	39	41	44	46	-
		HIGH		40	38	40	42	46	49 / <49>	
		MEDIUM		35	33	35	39	43	47 / <47>	
		LOW		29	27	29	36	40	45 / <45>	
		SILENT		-	25	28	34	37	-	
	UNIT DIMENSION - 1Ø / <3Ø>	HEIGHT	mm / in		260 / 10.24	288 / 11.84	288 / 11.84	310 / 12.20	310 / 12.20	360 / 14.17 / <360 / 14.17>
		WIDTH		799 / 31.46	800 / 31.50	800 / 31.50	1,065 / 41.93	1,065 / 41.93	1,200 / 47.24 / <1,200 / 47.24>	
		DEPTH		198 / 7.80	206 / 8.11	206 / 8.11	224 / 8.82	224 / 8.82	200 / 7.87 / <200 / 7.87>	
NET WEIGHT - 1Ø / <3Ø>		kg / lb	10 / 22.00	9 / 20	9 / 20	14 / 31	14 / 31	17 / 37.50 / <17 / 37.50>		
OUTDOOR UNIT	POWER SOURCE - 1Ø / <3Ø>		V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50 / <380-415 / 3 / 50>	
	AIR FLOW		l/s / CFM	-	396 / 840	457 / 969	618 / 1,310	684 / 1,450	-	
	SOUND PRESSURE LEVEL - 1Ø / <3Ø>		dBA	44	46	49	49	52	58 / <58>	
	UNIT DIMENSION - 1Ø / <3Ø>	HEIGHT	mm / in		495 / 19.49	521 / 20.51	521 / 20.51	651 / 25.63	753 / 29.65	753 / 29.65 / <753 / 29.65>
		WIDTH		600 / 23.62	700 / 27.56	700 / 27.56	855 / 33.66	855 / 33.66	855 / 33.66 / <855 / 33.66>	
		DEPTH		245 / 9.65	250 / 9.84	250 / 9.84	380 / 14.96	380 / 14.96	380 / 14.96 / <380 / 14.96>	
	NET WEIGHT - 1Ø / <3Ø>		kg / lb	26 / 57.30	29 / 64	31 / 68	47 / 104	50 / 110	57 / 126 / <57 / 126>	
PACKING DIMENSION	PRE-CHARGED		mm / in	-	7,500 / 295.28	7,500 / 295.28	7,500 / 295.28	7,500 / 295.28	-	
	MAX LENGTH		mm / in	-	12,000 / 472.44	12,000 / 472.44	20,000 / 787.40	20,000 / 787.40	-	
	MAX HEIGHT		mm / in	-	5,000 / 196.85	5,000 / 196.85	15,000 / 590.55	15,000 / 590.55	-	
PIPE CONNECTION	TYPE			FLARE						
	LIQUID		mm / in	6.35 / 0.25	6.35 / 0.25	6.35 / 0.25	6.35 / 0.25	6.35 / 0.25	9.52 / 0.37	
	GAS		mm / in	9.52 / 0.37	9.52 / 0.37	12.70 / 0.50	12.70 / 0.50	15.88 / 0.63	15.88 / 0.63	
OPERATING RANGE (MIN - MAX)	COOLING		°C DB	-	19 ~ 46	19 ~ 46	19 ~ 46	19 ~ 46	-	
	HEATING		°C WB	-	-9 ~ 18	-9 ~ 18	-9 ~ 18	-9 ~ 18	-	





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Stylish Flat-Panel

Ideal blend of style and function. Regular cleaning is easier by just wiping the flat front panel. This ensures the air-conditioner will always look brand new all the time.

Higher Energy Saving

Using a more efficient compressor and superior R410A refrigerant, M5WM-J series achieves the highest European Energy Rating of A/A. This ensures high energy saving on daily usage.



M(5)WM-J series participates in the Eurovent Certification Programme under category of Comfort Air Conditioners rated below 12kW cooling capacity (AC1).

The certified data for the certified models are listed in the Eurovent Directory.

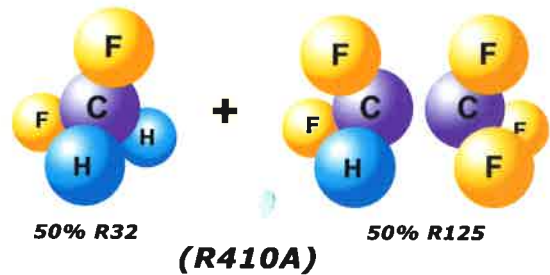
Better Indoor Air Quality (IAQ) using Bio-engineering

Bio-Mask is an IAQ solution which combines superior cleansing and purifying of Bio Antibody filter with more effective deodorizing features of the Titanium Apatite filter.

Working in tandem, both technologically-advanced air filters offer a higher level of IAQ and room comfort.

Feature & Excellence R410A

- Near azeotropic refrigerant containing R32 and R125 (50/50% by weight)
- Negligible temperature glide < 0.17 K
- Refrigerant must be charged in liquid form
- Able to top up if losses are low (<25% from initial charge)
- Favoured worldwide as long-term alternative to R22
- Excellent thermodynamic properties
- Higher working pressure (~1.6 times > R22 systems)
- Higher refrigerating capacity achievable (~50% > R22)
- Relatively low critical temperature (~73°C)



The comparison of COP in this figure shows an improvement of around 8% for R410a compared to R22. In practice, the heat transfer properties of R410A lead to improve evaporator and condenser performance compared to R22 and R407C. Therefore, it is possible to use smaller heat exchangers. However, the COP of R410A is higher than predicted.

