

Wall Mounted Split Systems G Series



Engineered for flexibility and performance.™

McQuay[®]
Air Conditioning



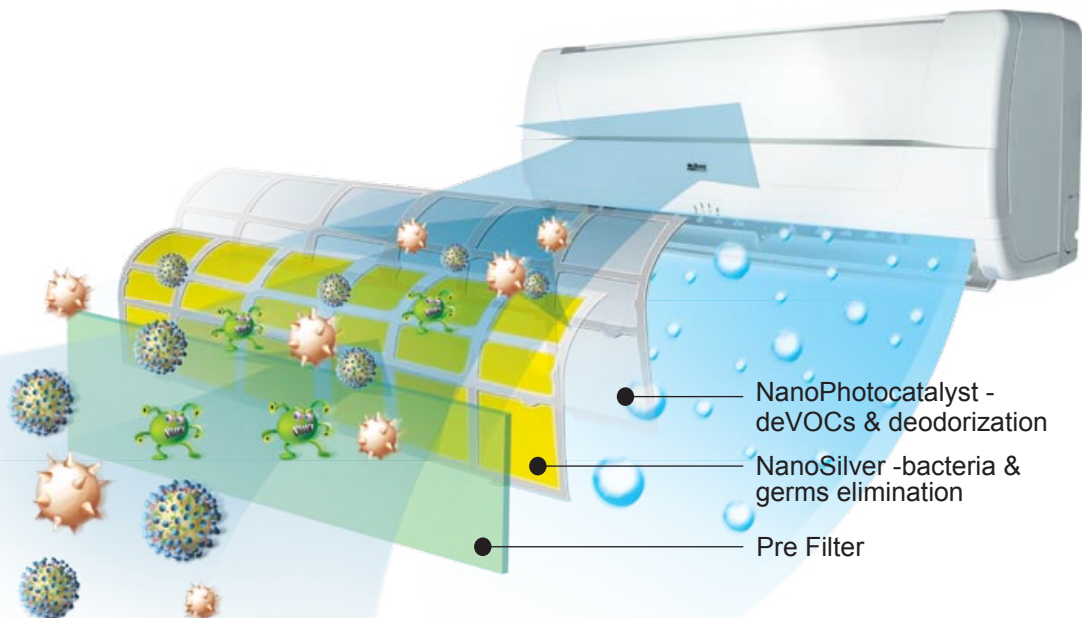
Air Purifying System

- Negative Ion Generator

The Ion Generator releases negative ion shower to create a refreshing and cleaner environment.

- NanoTechnology Air Filtration

- Effectively Inactivate & Eliminate Various Harmful Airborne Elements
- 99.9% bacteria free, no more worries



● NanoPhotocatalyst -
deVOCs & deodorization

● NanoSilver -bacteria &
germs elimination

● Pre Filter

McQuay is focused on developing new and exciting products to improve everyday living environment. The all-new NanoGuard combines powerful sterilizing and deodorizing effect of NanoSilver and Nano-Photocatalyst.

Silver is used from the days of Hippocrates (Father of Medicine) as a healing agent and its use has been expanded into anti-bacterial applications ever since. Modern nanotechnology provides through full - infusion onto the filters and larger coated surface area.



Aesthetically Outlook

A smooth front panel makes the cleaning process much easier for the user. These units blended easily into any interior decoration and design. The centrally located LED light makes it easier for user to check the operating conditions.

1

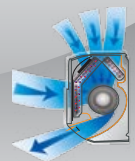
Double Louver

This new louver design together with its automatic air swing function fully optimizes the room comfort by distributing the air evenly.

2

3-Fold Heat Exchanger

The compact design of this 3-fold structure provides a large surface area for better & efficient heat exchange.



3

Easy Serviceability

Wall Mounted G series comes with a new design of air discharge housing whereby the fan blower can be easily accessed by just loosening up two screws on the unit. This new feature provides a flexible, faster and easier way to clean up the fan blower and ionizer.

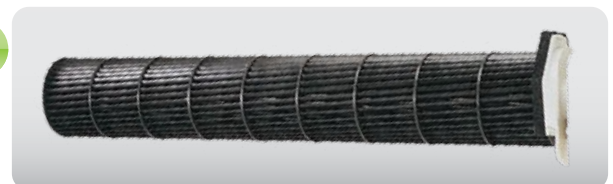


Improved Performance with COP > 3.5

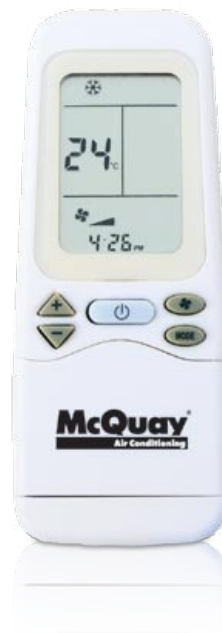
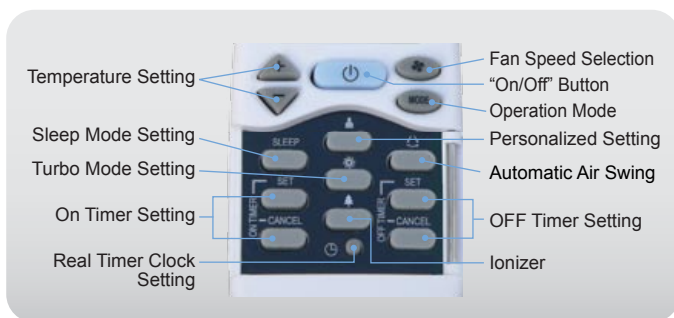
Taking advantage of the innovative 3-fold heat exchanger design, which offer greater surface area for heat exchange, and coupling with the efficient MLC-C outdoor model, the MWM 010/015G series has been able to operate with improved performance, generating COP (Coefficient of Performance) of more than 3.5.

Enhance Skew Fan Design

The unique skew fan design provides an improved sound quality while its larger diameter creates better air flow to the operating environment.



EASY-To-Use LCD Remote Controller



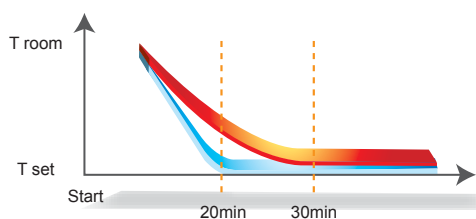
Ionizer

Just press the ionizer button and the air-conditioner will generate negative ions, which will refresh the indoor air effectively.



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 HIGH 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 timer will be reset, it will resume after TURBO function is cleared.



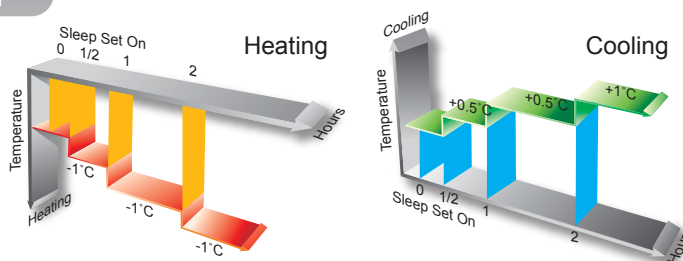
Personalized Setting

It allows user to pre-set and store 2 groups of personal settings (included timer setting) in the handset. These personalized settings can be overwritten from time to time based on user requirements.



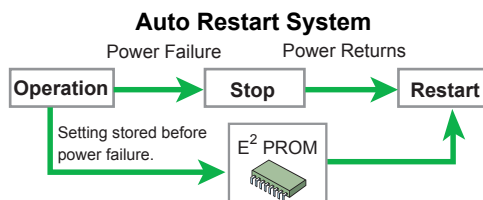
Sleep Mode Auto Control

Setting of Sleep mode will gradually increase or decrease the setting temperature to provide a comfortable surrounding for sleeping. It also acts as an energy saving mode.



Auto Random Restart

When there is a power failure during operation, the unit will automatically restart as the last setting condition once the power is resumed. An option is provided to cancel this feature.



SPECIFICATION [R410A - 50 Hz]

HEATPUMP MODEL		INDOOR UNIT		M5WM 007GR	M5WM 009GR	M5WM 010GR	M5WM 015GR	
		OUTDOOR UNIT		M5LC 007CR	M5LC 010CR		M5LC 015CR	
NOMINAL COOLING CAPACITY			Btu/h	7500	9000	9500	12000	
			W	2200	2640	2780	3520	
NOMINAL HEATING CAPACITY			Btu/h	7500	9000	9500	12000	
			W	2200	2640	2780	3520	
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	680	860	910	1230
			HEATING	W	550	745	770	1080
	EER		W/W	3.24	3.07	3.05	2.86	
	COP		W/W	4.00	3.54	3.61	3.26	
COOLING ONLY MODEL		INDOOR UNIT		M5WM 007G	M5WM 009G	M5WM 010G	M5WM 015G	
		OUTDOOR UNIT		M5LC 007C	M5LC 010C		M5LC 015C	
NOMINAL CAPACITY			Btu/h	7500	9000	9500	12000	
			W	2200	2640	2780	3520	
50 Hz	NOMINAL TOTAL INPUT POWER		W	620	860	910	1230	
	EER		W/W	3.55	3.07	3.05	2.86	
POWER SOURCE			V/Ph/Hz	220-240/1/50				
INDOOR UNIT	AIR FLOW		HIGH	l/s / cfm	130 / 275	130 / 275	142 / 300	163 / 345
			MEDIUM	l/s / cfm	106 / 225	106 / 225	118 / 250	135 / 285
			LOW	l/s / cfm	83 / 175	83 / 175	94 / 200	104 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	40 / 35 / 29	40 / 35 / 29	39 / 34 / 28	42 / 36 / 29
	UNIT DIMENSION		HEIGHT	mm / in	260 / 10.2		260 / 10.2	
			WIDTH	mm / in	799 / 31.5			
			DEPTH	mm / in	198 / 7.8		198 / 7.8	
UNIT WEIGHT			kg / lb	10 / 22.0	10 / 22.0	12 / 26.5	12 / 26.5	
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	44	46	49	
	UNIT DIMENSION		HEIGHT	mm / in	495 / 19.5	540 / 21.3	540 / 21.3	
			WIDTH	mm / in	600 / 23.6	700 / 27.6	700 / 27.6	
			DEPTH	mm / in	245 / 9.7	250 / 9.8	250 / 9.8	
	UNIT WEIGHT			kg / lb	26 / 57.3	32 / 70.5	32 / 70.5	
	PIPE CONNECTION		TYPE		FLARE VALVE			
			SIZE	LIQUID	mm / in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4
			GAS	mm / in	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8	12.70 / 1/2

SPECIFICATION [R410A - 50 Hz]

HEATPUMP MODEL		INDOOR UNIT		M5WM 020GR		M5WM 025GR		
		OUTDOOR UNIT		M5LC 020CR		M5LC 025CR		
NOMINAL COOLING CAPACITY - 1Ø <3Ø>			Btu/h	17850 <18000>		20350 <22500>		
			W	5230 <5280>		5960 <6590>		
NOMINAL HEATING CAPACITY - 1Ø <3Ø>			Btu/h	18000 <18500>		22000 <23000>		
			W	5280 <5420>		6448 <6740>		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		COOLING	W	1630 <1663>		1860 <2195>	
			HEATING	W	1546 <1630>		1870 <2106>	
	EER - 1Ø <3Ø>		W/W	3.21 <3.17>		3.21 <3.00>		
	COP - 1Ø <3Ø>		W/W	3.42 <3.33>		3.45 <3.20>		
COOLING ONLY MODEL		INDOOR UNIT		M5WM 020G		M5WM 025G		
		OUTDOOR UNIT		M5LC 020C		M5LC 025C		
NOMINAL CAPACITY - 1Ø <3Ø>			Btu/h	17850 <18000>		20350 <22500>		
			W	5230 <5280>		5960 <6590>		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1630 <1663>		1860 <2195>		
	EER - 1Ø <3Ø>		W/W	3.21 <3.17>		3.21 <3.00>		
POWER SOURCE - 1Ø <3Ø>			V/Ph/Hz	220-240/1/50 <380-415/3/50>				
INDOOR UNIT	AIR FLOW		HIGH	l/s / cfm	231 / 490		297 / 630	
			MEDIUM	l/s / cfm	193 / 410		231 / 490	
			LOW	l/s / cfm	160 / 340		208 / 440	
	SOUND PRESSURE LEVEL (H/M/L)			dBA	43 / 40 / 35		49 / 44 / 42	
	UNIT DIMENSION		HEIGHT	mm / in	304 / 12.0			
			WIDTH	mm / in	1062 / 41.8			
			DEPTH	mm / in	222 / 8.7			
UNIT WEIGHT			kg / lb	16 / 35.3		16 / 35.3		
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	52		52	
	UNIT DIMENSION		HEIGHT	mm / in	651 / 25.7		753 / 29.7	
			WIDTH	mm / in	855 / 33.7		855 / 33.7	
			DEPTH	mm / in	328 / 12.9		328 / 12.9	
	UNIT WEIGHT			kg / lb	59 / 130.1		62 / 136.7	
	PIPE CONNECTION		TYPE		FLARE VALVE			
			SIZE	LIQUID	mm / in	6.35 / 1/4		6.35 / 1/4
			GAS	mm / in	12.70 / 1/2		15.88 / 5/8	

- 1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
- 3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
 - a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
 - b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
- 4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 0.8m BELOW THE UNIT.

SPECIFICATIONS [R22- 50 HZ]

HEAT PUMP MODEL		INDOOR UNIT		MWM 007GR	MWM 009GR	MWM 010GR	MWM 015GR	MWM 020GR		MWM 025GR	
		OUTDOOR UNIT		MLC 007CR	MLC 009CR	MLC 010CR	MLC 015CR	MLC 018CR	MLC 020CR	MLC 025CR	
NOMINAL COOLING CAPACITY		Btu/h		Not Available	8800	9500	12000	18000	19000	23500	
		W			2580	2780	3520	5280	5570	6890	
NOMINAL HEATING CAPACITY		Btu/h			8600	9500	12000	18400	19500	24000	
		W			2520	2780	3520	5390	5720	7030	
50 HZ	NOMINAL TOTAL INPUT POWER	COOLING	W		910	860	1100	1820	1807	2530	
	NOMINAL TOTAL INPUT POWER	HEAT PUMP	W		750	750	980	1660	1757	2450	
	EER		W/W		2.84	3.23	3.20	2.90	3.08	2.72	
	COP		W/W		3.36	3.71	3.59	3.25	3.26	2.87	
COOLING ONLY MODEL		INDOOR UNIT			MWM 007G	MWM 009G	MWM 010G	MWM 015G	MWM 020G		MWM 025G
		OUTDOOR UNIT			MLC 007C	MLC 009C	MLC 010C	MLC 015C	MLC 018C	MLC 020C	MLC 025C
NOMINAL CAPACITY		Btu/h		7000	9000	9500	12000	18000	19000	23500	
		W		2050	2640	2780	3520	5280	5570	6890	
50 HZ	NOMINAL TOTAL INPUT POWER		W	590	919	860	1200	1820	1807	2530	
	EER		W/W	3.47	2.87	3.23	2.93	2.90	3.08	2.72	
POWER SOURCE		V/Ph/Hz		220-240/1/50							
INDOOR UNIT	AIR FLOW		HIGH	l/s / cfm	118 / 250	130 / 275	142 / 300	163 / 345	231 / 490	297 / 630	
			MEDIUM	l/s / cfm	104 / 220	106 / 225	118 / 250	135 / 285	193 / 410	231 / 490	
			LOW	l/s / cfm	85 / 180	83 / 175	94 / 200	104 / 220	160 / 340	208 / 440	
	SOUND PRESSURE LEVEL (H/M/L)		dBA	38/ 33 / 28	40 / 35 / 29	39 / 34 / 28	42 / 36 / 29	43 / 40 / 35	49 / 44 / 42		
	UNIT DIMENSION		HEIGHT	mm / in	260 / 10.2		260 / 10.2		304 / 12.0		
			WIDTH	mm / in	799 / 31.5		899 / 35.4		1062 / 41.8		
DEPTH			mm / in	198 / 7.8		198 / 7.8		222 / 8.7			
UNIT WEIGHT		kg / lb	8.5 / 18.7	10/22.5	12/26.5	12/26.5	16 / 35.3	16 / 35.3			
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	45	46	46	49	50	51	52	
	UNIT DIMENSION		HEIGHT	mm / in	495 / 19.5		540 / 21.3		651 / 25.7		
			WIDTH	mm / in	600 / 23.6		700 / 27.6		855 / 33.7		
			DEPTH	mm / in	245 / 9.7		250 / 9.8		328 / 12.9		
	UNIT WEIGHT		kg / lb	28 / 61.7	28 / 61.7	32 / 70.5	32 / 70.5	58 / 127.9	59 / 130.1	62 / 136.7	
	PIPE CONNECTION		TYPE		FLARE VALVE						
SIZE			LIQUID GAS	mm / in mm / in	6.35 / 1/4 9.52 / 3/8	6.35 / 1/4 9.52 / 3/8	6.35 / 1/4 9.52 / 3/8	6.35 / 1/4 12.70 / 1/2	6.35 / 1/4 15.88 / 5/8	6.35 / 1/4 15.88 / 5/8	6.35 / 1/4 15.88 / 5/8

SPECIFICATIONS [R22- 60 Hz]

HEAT PUMP MODEL		INDOOR UNIT		MWM 010GR	MWM 015GR	MWM 020GR	MWM 025GR	
		OUTDOOR UNIT		MLC 010CR	MLC 015CR	MLC 020CR	MLC 025CR	
NOMINAL COOLING CAPACITY		Btu/h		9200	11600	18800	22519	
		W		2700	3400	5500	6600	
NOMINAL HEATING CAPACITY		Btu/h		8900	11600	18800	23884	
		W		2600	3400	5500	7000	
60 HZ	NOMINAL TOTAL INPUT POWER	COOLING	W	840	1250	1910	2520	
	NOMINAL TOTAL INPUT POWER	HEAT PUMP	W	730	1080	1740	2460	
	EER		W/W	3.21	2.72	2.88	2.62	
	COP		W/W	3.57	3.15	3.17	2.85	
COOLING ONLY MODEL		INDOOR UNIT		MWM 010G	MWM 015G	MWM 020G	MWM 025G	
		OUTDOOR UNIT		MLC 010C	MLC 015C	MLC 020C	MLC 025C	
NOMINAL CAPACITY		Btu/h		9200	11600	18800	22519	
		W		2700	3400	5500	6600	
60 HZ	NOMINAL TOTAL INPUT POWER		W	840	1250	1910	2520	
	EER		W/W	3.21	2.72	2.88	2.62	
POWER SOURCE		V/Ph/Hz		220-240/1/60				
INDOOR UNIT	AIR FLOW		HIGH	l/s / cfm	170 / 355	160 / 345	240 / 510	300 / 360
			MEDIUM	l/s / cfm	140 / 300	130 / 285	210 / 440	230 / 490
			LOW	l/s / cfm	110 / 237	110 / 235	150 / 310	210 / 440
	SOUND PRESSURE LEVEL (H/M/L)		dBA	39 / 34 / 28	42 / 36 / 29	43 / 40 / 35	49 / 44 / 42	
	UNIT DIMENSION		HEIGHT	mm / in	260 / 10.2		304 / 12.0	
			WIDTH	mm / in	899 / 35.4		1062 / 41.8	
DEPTH			mm / in	198 / 7.8		222 / 8.7		
UNIT WEIGHT		kg / lb	12/26.5	12/26.5	15 / 33	16 / 35.3		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	47	49	54	55	
	UNIT DIMENSION		HEIGHT	mm / in	540 / 21.3		651 / 25.7	
			WIDTH	mm / in	700 / 27.6		855 / 33.7	
			DEPTH	mm / in	250 / 9.8		328 / 12.9	
	UNIT WEIGHT		kg / lb	27.0 / 59.7	29.4 / 64.9	47.7 / 105.5	59.7 / 132	
	PIPE CONNECTION		TYPE		FLARE / VALVE			
SIZE			LIQUID GAS	mm / in mm / in	6.35 / 1/4 9.52 / 3/8	6.35 / 1/4 12.70 / 1/2	6.35 / 1/4 15.88 / 5/8	6.35 / 1/4 15.88 / 5/8

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Products manufactured in an ISO certified facility.

This document contains the most current product information as of this printing.

For the most up-to-date product information, please go to www.mcquay.com.

