



*Changes for the Better*

SPLIT-TYPE AIR CONDITIONERS



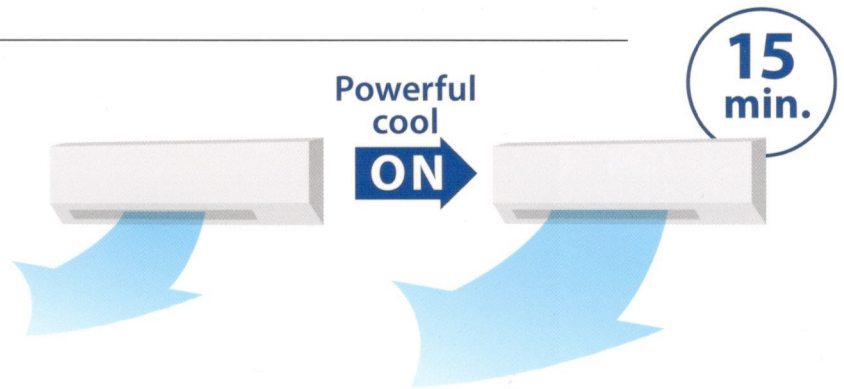
Feel the Japanese Technology & Quality.

# MS-GS13/18/24/30/36VF



## Powerful Cool mode

Powerful Cool mode operates with the max fan speed for 15 minutes to cool the room faster, then automatically returning to the regular setting.



## Econo Cool energy-saving feature

Econo Cool is an intelligent temperature control feature that realize optical airflow to wants the body based on the air-outlet temperature.

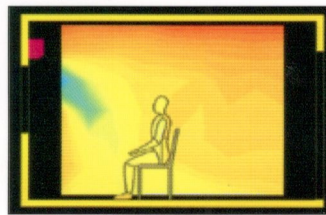
### Econo Cool mode

A comfortable room environment is maintained even when setting the temperature 2°C higher than the conventional cooling mode.

(Function only available during manual cooling operation.)

	Normal mode	Econo Cool mode
Ambient temperature	35°C	35°C
Temperature setting	25°C	27°C
Perceived temperature	30°C	29.3°C

Econo Cool on

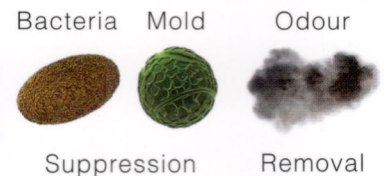
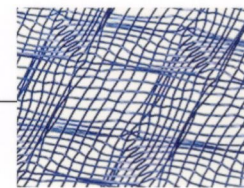
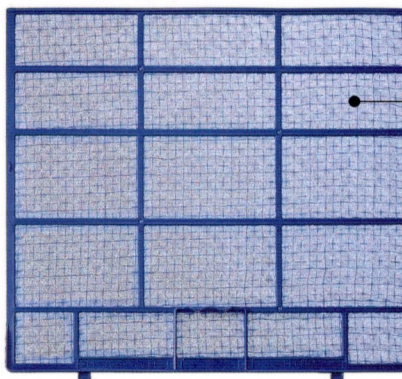


Normal mode



## Nano platinum filter

Nano Platinum Filter with the tree-dimensional surface has a large capture area and incorporates nanometer-sized platinum-ceramic particles that work to break bacteria, mold, and also odours.



**On/Off Operation Timer**



**Auto Restart**



**Grooved Piping**



**Horizontal Vane**



**Auto Vane**



**Double Vane (only MS-GS18/24/30/36VF)**



**Vertical Vane (only MS-GS18/24/30/36VF)**

# New High Efficiency Model



MS-GS13VF



MS-GS18/24VF



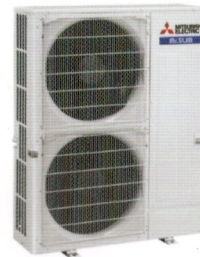
MS-GS30/36VF



MU-GS13/18VF



MU-GS24/30VF



MU-GS36VF



Remote Controller

Indoor Unit				MS-GS13VF	MS-GS18VF	MS-GS24VF	MS-GS30VF	MS-GS36VF
Outdoor Unit				MU-GS13VF	MU-GS18VF	MU-GS24VF	MU-GS30VF	MU-GS36VF
Capacity Class		TR		1.0	1.5	2.0	2.5	3.0
Power supply (Outdoor) [Single phase]		V		220-230-240	220-230-240	220-230-240	220-230-240	220-230-240
Refrigerant				R32	R32	R32	R32	R32
T1 (Specifications at 230V)		Capacity	kW	3.5	5.2	6.7	8.2	9.5
			Btu/h	11,942	17,743	22,861	27,980	32,415
		Total input	kW	0.995	1.475	1.900	2.330	2.700
		EER	Btu/h/W	12.00	12.03	12.03	12.01	12.01
CSPF				12.76	12.76	12.76	12.76	12.76
T3 (Specifications at 230V)		Capacity	kW	3.3	4.7	5.9	7.0	8.2
			Btu/h	11,260	16,037	20,200	24,001	28,031
		Total input	kW	1.310	1.865	2.350	2.790	3.260
		EER	Btu/h/W	8.6	8.6	8.6	8.6	8.6
CSPF				10.54	10.51	10.51	10.47	10.47
Operating Current		A		4.4	6.5	8.7	10.3	12.6
Indoor Unit	Power Input	Rated	kW	0.05	0.05	0.05	0.07	0.07
	Running Current	Rated	A	0.39	0.42	0.40	0.61	0.61
	Dimension	H*W*D	mm	290*799*232	325*1,100*238	325*1,100*238	365*1,170*295	365*1,170*295
	Net weight		kg	9.2	14.9	14.9	20	20
	Air volume (Lo-Med-Hi-SHi)		m3/min	7.1-9.9-12.6-14.8	12.5-14.9-17.1-22.0	12.5-14.3-17.1-22.4	15.0-19.0-23.0-25.0	15.4-19.1-23.2-25.4
	Sound level (SPL) (Lo-Med-Hi-SHi)		dB(A)	29-37-42-48	35-41-46-53	37-42-47-53	37-42-47-53	40-45-50-53
Outdoor Unit	Dimension	H*W*D	mm	525*718*255	525*718*255	880*840*330	880*840*330	1,258*870*295
	Net Weight		kg	33.5	34.0	58.5	66.5	81.5
	Air volume		m3/min	31.7	32.4	52.0	52.0	85.8
	Sound level (SPL)		dB(A)	52	53	56	56	57
	Breaker Size		A	10	15	20	20	25
Piping	Piping diameter	Liquid-Gas	inch	1/4-3/8	1/4-1/2	1/4-5/8	1/4-5/8	3/8-3/4
	Max piping length	Out-In	m	20	30	30	30	30
	Max height defference	Out-In	m	10	10	10	10	15

\*Specifications are based on the following condition.

T1-Condition : indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

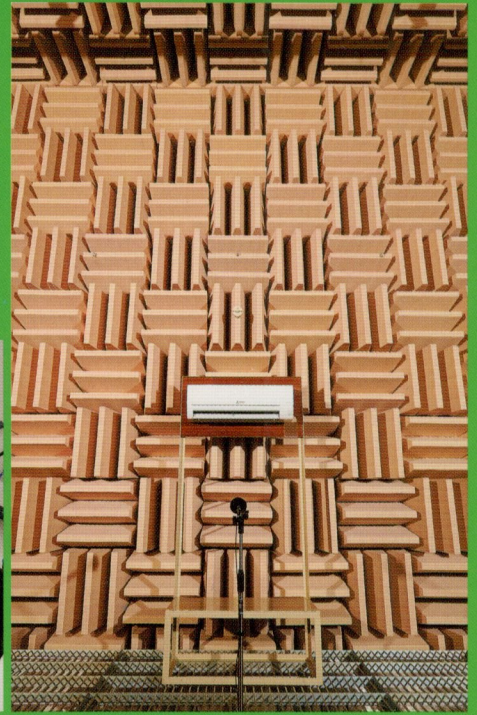
T3-Condition : indoor temperature of 29°CDB/19°CWB, and outdoor temperature of 46°CDB/24°CWB.

\*Unit is able to operate up to 52 deg C based on the testing condition of UAE S/ISO5151:2011.

# Excellent Quality

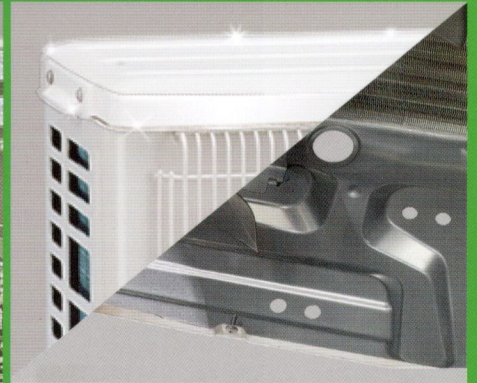
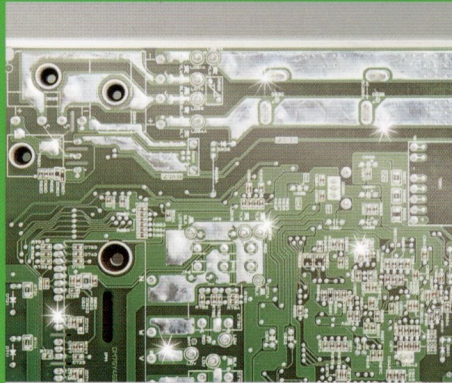
## Development

Taking into account the various harsh environments around the world, at MITSUBISHI ELECTRIC we have established uniquely strict quality control standards and various quality evaluation tests for our products.



## Design

In order to ensure our customers can use our products with peace of mind and for a long time, we select high-quality durable parts, and invest great care when designing and assembling our products.



Ensure its reliable operation and preventing fire accident in case of short circuit.

Special coating prevents any damages from humidity and insects.

Anti-rust painting and galvanized steel protect cabinet even under harsh environment.

## Production

MITSUBISHI ELECTRIC makes full use of advanced production technology to efficiently produce top quality products. All of our products are inspected by experienced professionals.



# 1/3

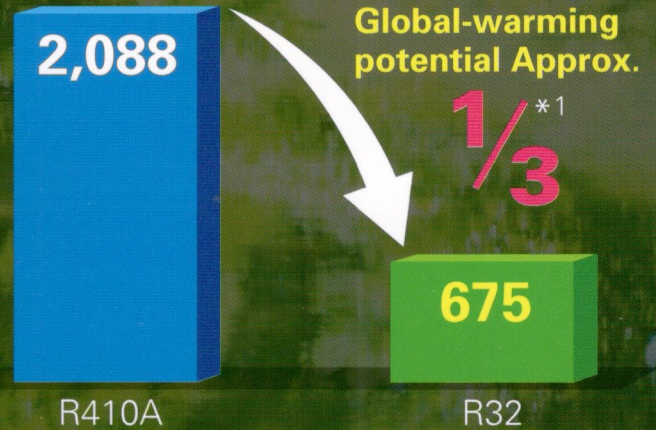
Global-warming potential Approx.

### Points for Use

The new R32 refrigerant has a global-warming potential approximately 1/3<sup>\*1</sup> that of our current refrigerant, R410A; thereby dramatically reducing the impact on global-warming more than ever. Actively introducing the new R32 refrigerant to suppress global-warming, Mitsubishi Electric continues to promote manufacturing while considering the environment.

## The new refrigerant R32

Comparison of Global Warming Potential



\*1: Source: IPCC 4th Assessment Report, global-warming potential (GWP) 100-year value. Comparison of 2,088(R410A) and 675 (R32).

# 121% improvement

EER at T3

		Class				
		13	18	24	30	36
Current	GH/GK	7.76	8.28	7.86	7.12	7.30
New	GS	8.60	8.60	8.60	8.60	8.60
		111%	104%	109%	121%	118%

## Energy saving

# 142% improvement

Airflow (SHI) m3/min

		Class				
		13	18	24	30	36
Current	GH/GK	10.4	18.1	22.0	21.6	23.2
New	GS	14.8	22.0	22.4	25.0	25.4
		142%	122%	102%	116%	109%

## Air volume

# Leading the world in every field with advanced technology.

Technologies are forever changing society and the way people live. Applying innovative ideas and advanced technological prowess, MITSUBISHI ELECTRIC delivers various products and services that improve daily life and the social infrastructure. From residential-use products to those for commercial and industrial-use, semiconductors, social infrastructure systems, and products and services for the development of outer space, we have not led only in Japan, but throughout the world. We maintained our commitment to the pursuit of better technologies and higher quality throughout a history nearly 100 years long.



Shizuoka works



## Mitsubishi Electric Corporation Overview

● Established 1921

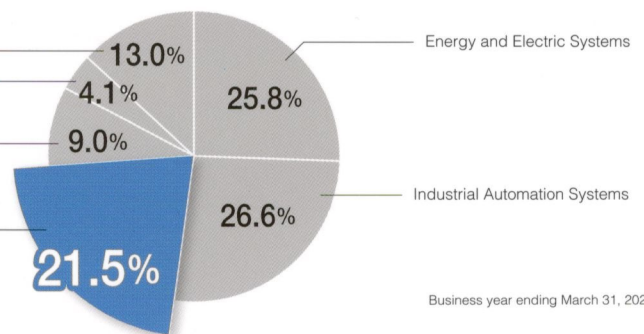
● Main Business

- Energy and Electric Systems
- Industrial Automation Systems
- Information and Communication Systems
- Electronic Devices
- Home Appliances

● Sales by Business Sector

- Others
- Electronic Devices
- Information and Communication Systems

**Home Appliances**  
(including air conditioners)



Business year ending March 31, 2020

## MITSUBISHI ELECTRIC CORPORATION

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