


## WHEN THE AIR CONDITIONER IS NOT GOING TO BE USED FOR A LONG TIME

- 1 Operate by COOL mode with the highest temperature set or FAN mode for 3 to 4 hours. **Page 6**
  - This dries the inside of the unit.
  - Moisture in the air conditioner contributes to growth of fungi, such as mold.
- 2 Press  to stop the operation.
- 3 Turn off the breaker and/or disconnect the power supply plug.
- 4 Remove all batteries from the remote controller.

## When using the air conditioner again:

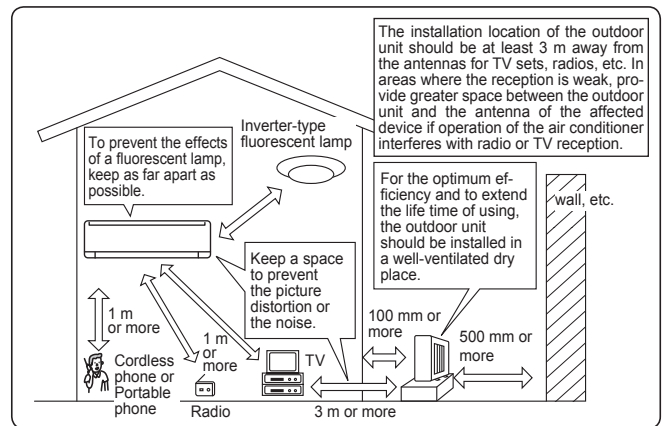
- 1 Clean the air filter. **Page 11**
- 2 Check that the air inlet and outlet of the indoor and outdoor units are not blocked.
- 3 Check that the earth is connected correctly.
- 4 Refer to the "PREPARATION BEFORE OPERATION", and follow the instructions. **Page 5**

## INSTALLATION PLACE AND ELECTRICAL WORK

### Installation place

Avoid installing the air conditioner in the following places.

- Where there is much machine oil.
- Salty places such as the seaside.
- Where sulfide gas is generated such as hot spring, sewage, waste water.
- Where oil is splashed or where the area is filled with oily smoke (such as cooking areas and factories, in which the properties of plastic could be changed and damaged).
- Where there is high-frequency or wireless equipment.
- Where the air from the outdoor unit air outlet is blocked.
- Where the operation sound or air from the outdoor unit bothers the house next door.
- The mounting height of indoor unit 1.8 m to 2.3 m is recommended. If it is impossible, please consult your dealer.
- Do not operate the air conditioner during interior construction and finishing work, or while waxing the floor. Before operating the air conditioner, ventilate the room well after such work is performed. Otherwise, it may cause volatile elements to adhere inside the air conditioner, resulting in water leakage or scattering of dew.



### Electrical work

- Provide an exclusive circuit for the power supply of the air conditioner.
- Be sure to observe the breaker capacity.

If you have any questions, consult your dealer.

## SPECIFICATIONS

Model	Set name		—		—	
	Indoor	Outdoor	MSZ-AP15VA		MSZ-AP20VA	
Function			Cooling	Heating	Cooling	Heating
Power supply	~ /N, 230 V, 50 Hz					
Capacity		kW	—			
Input		kW	0.017		0.019	
Weight	Indoor	kg	8.2			
Refrigerant filling capacity (R32)		kg	—			
IP code	Indoor		IP 20			
Permissible excessive operating pressure	LP ps	MPa	—			
	HP ps	MPa	4.17			
Noise level	Indoor (Super High/High/Med./Low/Silent)	dB(A)	40/35/30/26/21		42/35/30/26/21	

### Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	32°C DB 23°C WB	*Note 2.
	Lower limit	21°C DB 15°C WB	
Heating	Upper limit	27°C DB —	
	Lower limit	20°C DB —	

DB: Dry Bulb  
WB: Wet Bulb

### Note:

1. Rating condition
  - Cooling — Indoor: 27°C DB, 19°C WB
  - Outdoor: 35°C DB
  - Heating — Indoor: 20°C DB
  - Outdoor: 7°C DB, 6°C WB
2. MSZ-AP has no specifications for single combination. This indoor model is only for multi system air conditioner. As for the specifications of multi system, please confirm your dealer and/or refer to the catalogue.

# SPECIFICATIONS

Model	Indoor		MSZ-AP25VG(K)		MSZ-AP35VG(K)		MSZ-AP42VG(K)		MSZ-AP50VG(K)	
	Outdoor		MUZ-AP25VG(H)		MUZ-AP35VG(H)		MUZ-AP42VG(H)		MUZ-AP50VG(H)	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply			~ /N, 230 V, 50 Hz							
Capacity		kW	2.5	3.2	3.5	4.0	4.2	5.4	5.0	5.8
Input		kW	0.60	0.78	0.99	1.03	1.30	1.49	1.55	1.60
Weight	Indoor	kg	10.5							
	Outdoor	kg	31		31		35		40	
Refrigerant filling capacity (R32)		kg	0.55		0.55		0.70		1.00	
IP code	Indoor		IP 20							
	Outdoor		IP 24							
Permissible excessive operating pressure	LP ps	MPa	2.77							
	HP ps	MPa	4.17							
Noise level (SPL)	Indoor (Super High/High/Med./Low/Silent)	dB(A)	42/36/30/24/19	45/38/31/24/19	42/36/30/24/19	45/38/31/24/19	42/38/34/29/21	45/40/35/29/21	44/40/36/33/28	48/43/38/33/28
	Outdoor	dB(A)	47	48	49	50	50	51	52	52

## Indoor specification for multi connection REGULATION (EU) 2016/2281

Model	Indoor			MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)
Capacity	Cooling	Sensible	kW	2.30	3.08	3.23	3.70
		Latent	kW	0.20	0.42	0.97	1.30
	Heating		kW	2.90	4.00	4.80	5.70
Input			kW	0.026	0.026	0.032	0.032
Noise level (Sound power level)	Super High/High/Med./Low/Silent		dB(A)	57/51/45/39/34	57/51/45/39/34	57/53/49/44/36	58/54/50/47/42

## Guaranteed operating range

		Indoor	Outdoor	
			MUZ-AP25/35/42/50VG	MUZ-AP25/35/42/50VGH
Cooling	Upper limit	32°C DB 23°C WB	46°C DB —	46°C DB —
	Lower limit	21°C DB 15°C WB	-10°C DB —	-10°C DB —
Heating	Upper limit	27°C DB —	24°C DB 18°C WB	24°C DB 18°C WB
	Lower limit	20°C DB —	-15°C DB -16°C WB	-20°C DB -21°C WB

### Note:

Rating condition  
 Cooling — Indoor: 27°C DB, 19°C WB  
               Outdoor: 35°C DB  
 Heating — Indoor: 20°C DB  
               Outdoor: 7°C DB, 6°C WB

DB: Dry Bulb  
 WB: Wet Bulb

## Wi-Fi interface

Model	MAC-566IFB-E
Input Voltage	DC12.7 V (from indoor unit)
Power consumption	MAX. 2 W
Size H×W×D (mm)	79×44×18.5
Weight (g)	60 (including cable)
Transmitter power level (MAX.)	17.5 dBm @IEEE 802.11b
RF channel	1ch ~ 13ch (2412~2472 MHz)
Radio protocol	IEEE 802.11b/g/n (20)
Encryption	AES
Authentication	WPA2-PSK
Software Version	XX.00

For Declaration of Conformity, please go to the website below.  
<http://www.melcloud.com/Support>

## WHEN YOU THINK THAT TROUBLE HAS OCCURRED

In the following cases, stop using the air conditioner and consult your dealer.

- When water leaks or drips from the indoor unit.
- When the operation indicator lamp blinks.
- When the breaker trips frequently.
- The remote control signal is not received in a room where an electronic ON/OFF type fluorescent lamp (inverter-type fluorescent lamp, etc.) is used.
- Operation of the air conditioner interferes with radio or TV reception. An amplifier may be required for the affected device.
- When an abnormal sound is heard.
- When any refrigerant leakage is found.