

Detects Number of People

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

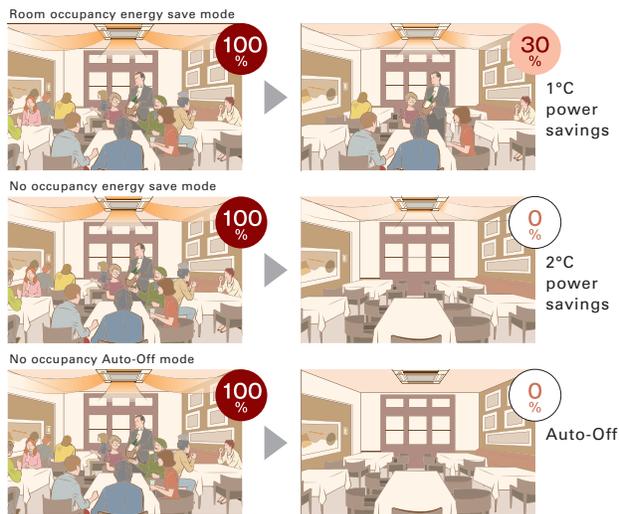
No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

*When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.



*PAR-41MAA is required for each setting

Detects People's Position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.



*PAR-41MAA or PAR-SL101A-E is required for each setting.

Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-41MAA is required for each setting.

Connectable to Plasma Quad Connect

The optional Plasma Quad Connect SLP-2FAP, SLP-2FALP, SLP-2FALMP2 can be installed on the indoor units.*1*2*3

*1 Plasma Quad Connect cannot be used with PAC-SK54/46KF-E (V blocking filter).

*2 If Plasma Quad Connect is used with MAC-334/397/587IF-E (Interface), Plasma Quad Connect use the indoor units CN105. Other interface use the another CN105 on Plasma Quad Connect's PCB.

*3 If Plasma Quad Connect is used with PAC-SK35VK-E (Valve kit) or PAC-SK39AP-E (Valve kit attachment), Plasma Quad Connect use the indoor units barring holes for valve kit. Valve kit needs to be installed on suspension bolts or on horizontal surface using dedicated attachment optional parts.



SLZ-M SERIES



Indoor Unit

R32
R410A



SLZ-M15/25/35/50/60FA2

Panel

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Plasma Quad Connect
SLP-2FA				
SLP-2FAL	✓			
SLP-2FAE		✓		
SLP-2FALE	✓	✓		
SLP-2FALM2	✓		✓	
SLP-2FALME2	✓	✓	✓	
SLP-2FALP				✓
SLP-2FALMP2	✓		✓	✓

Outdoor Unit

R32 For Single

R32 For Multi (Twin/Triple/Quadruple)



Remote Controller



Indoor Unit Combination	Outdoor Unit Capacity														
	For Single				For Twin			For Triple			For Quadruple				
Power Inverter (PUZ-ZM)	35×1	50×1	60×1	71	100	125	140	71	100	125	100	125	140	125	140
Distribution Pipe	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDT-111R3-E			MSDF-1111R2-E	

Type			Inverter Heat Pump				
Indoor Unit			SLZ-M35FA2	SLZ-M50FA2	SLZ-M60FA2		
Outdoor Unit			PUZ-ZM35VKA2	PUZ-ZM50VKA2	PUZ-ZM60VHA2		
Refrigerant ^{*1)}			R32				
Power Supply	Source	Outdoor power supply					
Cooling	Outdoor(V/Phase/Hz)	230/Single/50					
	Capacity	Rated	kW	3.6	5.0	6.1	
		Min-Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	
	Total Input	Rated	kW	0.800	1.315	1.648	
	EER			4.50	3.80	3.70	
	Design load		kW	3.6	5.0	6.1	
	Annual electricity consumption ^(*)		kWh/a	194	280	346	
SEER ^(*)			6.5	6.2	6.1		
Heating	Energy efficiency class		A++				
	Capacity	Rated	kW	4.1	5.0	6.4	
		Min-Max	kW	1.6 - 5.0	2.5 - 5.5	2.8 - 7.3	
	Total Input	Rated	kW	1.205	1.470	2.064	
	COP			3.40	3.40	3.10	
	Design load		kW	2.4	3.8	4.4	
	Declared Capacity		at reference design temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)
			at bivalent temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)
			at operation limit temperature	kW	2.2 (-1°C)	3.7 (-1°C)	2.8 (20°C)
	Back up heating capacity		kW	0.0	0.0	0.0	
Annual electricity consumption ^(*)		kWh/a	820	1273	1560		
SCOP ^(*)			4.0	4.1	3.9		
Energy efficiency class		A					
Operating Current(Max)			A	13.2	13.3	19.4	
	Input [cooling / Heating]	Rated	kW	0.02 / 0.02	0.03 / 0.03	0.04 / 0.04	
	Operating Current(Max)		A	0.24	0.32	0.43	
	Dimensions	H*W*D	mm	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>	
	Weight		kg	15 <3>	15 <3>	15 <3>	
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	6.5-8.0-9.5	7.0-9.0-11.5	7.5-11.5-13.0	
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	25-30-34	27-34-39	32-40-43	
	Sound Level (PWL)		dB(A)	51	56	60	
	Outdoor Unit	Dimensions	H*W*D	mm	630-809-300	630-809-300	943-950-330(+25)
		Weight		kg	46	46	67
Air Volume		Cooling	m³/min	45	45	55	
		Heating	m³/min	45	45	55	
Sound Level (SPL)		Cooling	dB(A)	44	44	47	
		Heating	dB(A)	46	46	49	
Sound Level (PWL)		Cooling	dB(A)	65	65	67	
		Heating	dB(A)	65	65	67	
Operating Current(Max)			A	13	13	19	
Breaker Size			A	16	16	25	
Ext.Piping	Diameter ^(*)	Liquid/Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	
	Max.Length	Out-In	m	50	50	55	
	Max.Height	Out-In	m	30	30	30	
Guaranteed Operating Range (Outdoor)	Cooling ^(*)	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46		
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21		

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.