

# SEZ SERIES

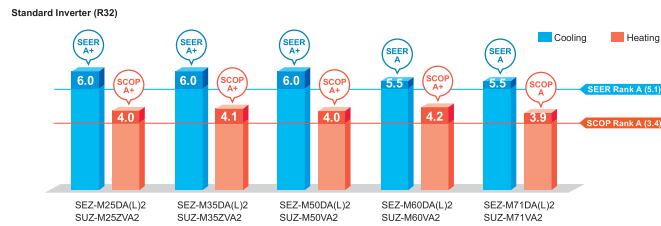
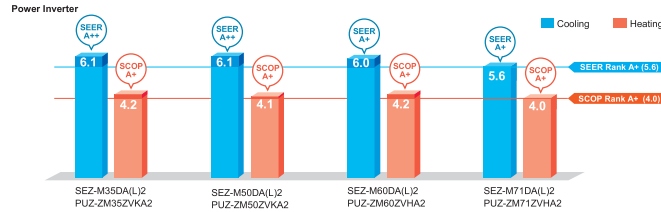
This concealed ceiling-mounted indoor unit series is compact, and fits easily into rooms with lowered ceilings. Highly reliable energy-saving performance makes it a best match choice for concealed unit installations.



SEZ-M25-71DA(L)2

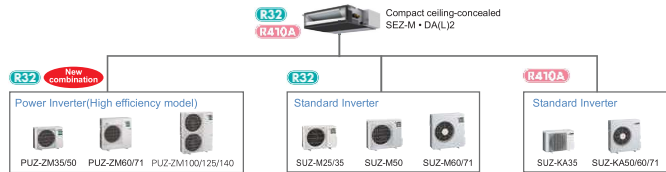
## High Energy Efficiency

Highly efficient indoor units with DC inverter contribute to a reduction in electricity consumption throughout a year. The SEZ series has achieved energy-saving performance of "A+" or higher when connected to PUZ series and "A" or higher when connected to SUZ-M series.



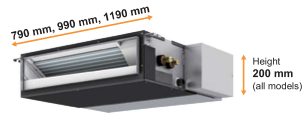
## Lineup of compatible outdoor unit has been expanded by power inverter series

Although models in the SEZ series were previously only compatible with the standard inverter, they can now also be connected to small capacity power inverters. The ability to connect to a power inverter with high-performance specifications makes it possible to offer an even wider range of solutions to our customers.



## Compact Design with a Height of 200 mm

The height of the units is 200 mm for all capacity ranges. Its thin body is suitable for installation in low ceilings with a small cavity space.



SEZ-M DA(L)2	M25	M35	M50	M60	M71
Height mm	200				
Width mm	790	990	1190		

## Low Noise Operation

Low noise operation contributes to a peaceful indoor environment. The SPL of M25/35 model, which is the quietest model among the new series, is as low as 22 dB (ESP 5 Pa, low fan speed setting).

Sound pressure level	Capacity Fan speed	M25	M35	M50	M60	M71	
		High	29	30	36	37	39
		Mid	25	26	33	33	34
Low		22	22	29	29	29	

\*When fan speed setting is low, the cooling/heating capacity is subject to reduce.  
\*Operation noise may increase due to the installation environment or the operation status.

## Selectable Static Pressure Levels

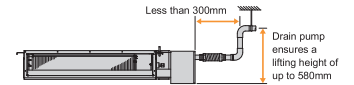
External static pressure can be selected from 5, 25, 35, and 50 Pa (set to 25 Pa at the time of factory shipment).

Four levels Available for All Models

## Drain Pump (Optional)

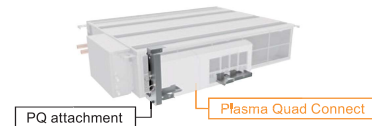
The PAC-KE07DM-E drain pump is available as an option. The drain connection can be raised as high as 580 mm, allowing more freedom in piping layout design.

\*The use of drain pump may increase the operation noise.




## Connectable to Plasma Quad Connect

The optional Plasma Quad Connect MAC-100FT-E can be installed on the indoor unit's air inlet side. For installation, PQ attachment PAC-HA11PAR is required.

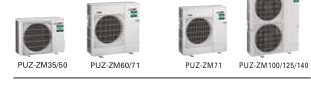


### SEZ-M SERIES



**Indoor Unit**  
R32 R410A

SEZ-M25/35/50/60/71DA2 (Requires Wired Remote Controller)  
SEZ-M25/35/50/60/71DAL2 (Wireless Remote Controller is enclosed)




**Outdoor Unit**  
R32 For Single For Multi (Twin/Triple/Quadruple)

PUZ-ZM35/50 PUZ-ZM60/71 PUZ-ZM71 PUZ-ZM100/125/140

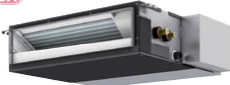
**Remote Controller**

Enclosed in SEZ-M DAL2 \*optional (for SEZ-M DA2) \*optional (for SEZ-M DA2) \*optional (for SEZ-M DA2)




+AUTO, Q+Q, Auto Restart, Low Temp. Cooling, Sleep Control, M/N/E/T, Wi-Fi, MXZ, Drain LIFT, Fan, Remote Control, Filter Recall

### SEZ-M SERIES



**Indoor Unit**  
R32 R410A

SEZ-M25/35/50/60/71DA2 (Requires Wired Remote Controller)  
SEZ-M25/35/50/60/71DAL2 (Wireless Remote Controller is enclosed)




**Outdoor Unit** For Single For Multi (Twin/Triple/Quadruple)  
R32 R32 R32

SUZ-M25/35VA SUZ-M50VA SUZ-M60/71VA

**Remote Controller**

Enclosed in SEZ-M DAL2 \*optional (for SEZ-M DA2) \*optional (for SEZ-M DA2) \*optional (for SEZ-M DA2)



+AUTO, Q+Q, Auto Restart, Low Temp. Cooling, Sleep Control, M/N/E/T, Wi-Fi, MXZ, Drain LIFT, Fan, Remote Control, Filter Recall

Indoor Unit Combination	Outdoor Unit Capacity														
	For Single				For Twin				For Triple				For Quadruple		
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	-	-	-	-	35x2	50x2	60x2	35x3	50x3	35x4	35x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MSDD-56TR-E MSDF-111R3-E MSDF-111R2-E														

Indoor Unit Combination	Outdoor Unit Capacity				
	For Single				
S Sizes	25	35	50	60	71
Distribution Pipe	25x1	35x1	50x1	60x1	71x1

Type	Indoor Unit	Outdoor Unit	Inverter Head Pump						
			SEZ-M25/35VA	SEZ-M50VA	SEZ-M60/71VA	SEZ-M71VA			
Cooling	Source	Outdoor/Phase/Hz	R32						
			Outdoor power supply						
			Capacity	Rated	kW	2.5	3.5	4.5	6.1
			Min/Max	kW	1.6-3.9	2.3-5.6	3.2-8.3	3.9-9.1	
			Total Input	Rated	kW	0.857	1.315	1.526	1.838
			Min/Max	kW	0.5-2	0.8-2	1.0-2	1.3-2	
			Design load	kW	3.5	5.0	6.1	7.1	
			Annual electricity consumption <sup>1)</sup>	kWh/a	205	293	352	485	
			SEER <sup>2)</sup>	Ratio	6.1	6.1	6.2	5.8	
			Energy efficiency class		A+	A+	A	A	
Heating	Source	Outdoor/Phase/Hz	R32						
			Capacity	Rated	kW	4.4	6.5	8.4	9.8
			Min/Max	kW	1.6-5.0	2.5-7.2	2.8-8.0	3.5-10.2	
			Total Input	Rated	kW	1.925	1.93	1.757	2.251
			Min/Max	kW	1.0-3	1.0-3	1.0-3	1.0-3	
			Design load	kW	4.0	3.9	4.0	3.9	
			Declared Capacity	At reference design temperature	kW	2.4 (110°C)	3.8 (110°C)	4.4 (110°C)	4.7 (110°C)
			At outdoor temperature	kW	2.4 (110°C)	3.8 (110°C)	4.4 (110°C)	4.7 (110°C)	
			At operation limit temperature	kW	2.2 (110°C)	3.7 (110°C)	4.3 (110°C)	4.6 (110°C)	
			Annual electricity consumption <sup>1)</sup>	kWh/a	128	179	194	253	
SCOP <sup>3)</sup>	Ratio	4.4	4.4	4.4	4.4				
Energy efficiency class		A	A	A	A				
Unit	Indoor	Inlet/Heating / Heating	Capacity	Rated	kW	1.3	1.8	2.0	
			Min/Max	kW	0.6-1.1	0.7-1.2	0.8-1.3		
			Operating Current (Max)	A	6.0	8.2	10.0		
			Dimensions	mm	200-260-200	200-260-200	200-190-200	200-190-200	
			Weight	kg	22	22	25		
			Air Volume (L/s-Mid-H)	l/s	12-11	12-11	12-11		
			External Static Pressure <sup>4)</sup>	Pa	<80-25-350-450	<80-25-350-450	<80-25-350-450	<80-25-350-450	
			Sound Level (Lw-Mid-H) (SPL)	dB(A)	22-22-31	22-22-31	22-22-31		
			Sound Level (PWL)	dB(A)	22-22-31	22-22-31	22-22-31		
			Operating Current (Max)	A	12	12	12		
Outdoor Unit	Dimensions	mm	SEZ-M25/35VA	630-850-300	630-850-300	643-950-300(±20)	643-950-300(±20)		
			SEZ-M50VA	630-850-300	630-850-300	643-950-300(±20)	643-950-300(±20)		
			SEZ-M60/71VA	630-850-300	630-850-300	643-950-300(±20)	643-950-300(±20)		
			SEZ-M71VA	630-850-300	630-850-300	643-950-300(±20)	643-950-300(±20)		
			Weight	kg	46	46	47		
			Air Volume	l/s	45	45	45		
			Sound Level (SPL)	dB(A)	46	46	47		
			Sound Level (PWL)	dB(A)	46	46	47		
			Operating Current (Max)	A	12	12	12		
			Ext Piping	Diameter <sup>5)</sup>	mm	Cooling	6.35 / 1/2"	6.35 / 1/2"	6.35 / 1/2"
Heating	6.35 / 1/2"	6.35 / 1/2"				6.35 / 1/2"	6.35 / 1/2"		
Max Length	m	30				30	30		
Max Height	m	30				30	30		
Guaranteed Operating Range (Outdoor)	Cooling	°C				-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating				°C	-11 ~ -21	-11 ~ -21	-11 ~ -21

<sup>1)</sup> 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 applies to a refrigerant that works with GWP equal to 850. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 850 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Please refer to the relevant data sheet for details. The GWP of R32 is 675 in the IPCC AR Assessment Report.

<sup>2)</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

<sup>3)</sup> SEER and SCOP are based on EN14813:2013 Energy-related Products Directive and Regulation (EU) No 2618/2012.

<sup>4)</sup> External static pressure is required when ambient temperature is lower than 5°C.

<sup>5)</sup> Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

<sup>6)</sup> The factory setting of ESP is shown without ±.

<sup>7)</sup> SPL measured at ESP 5Pa.

Type	Indoor Unit	Outdoor Unit	Inverter Head Pump						
			SEZ-M25/35VA	SEZ-M50VA	SEZ-M60/71VA	SEZ-M71VA			
Cooling	Source	Outdoor/Phase/Hz	R32						
			Outdoor power supply						
			Capacity	Rated	kW	2.5	3.5	4.5	6.1
			Min/Max	kW	1.6-3.9	2.3-5.6	3.2-8.3	3.9-9.1	
			Total Input	Rated	kW	0.714	1.000	1.147	1.408
			Min/Max	kW	0.5-2	0.8-2	1.0-2	1.3-2	
			Design load	kW	3.5	5.0	6.1	7.1	
			Annual electricity consumption <sup>1)</sup>	kWh/a	146	205	220	285	
			SEER <sup>2)</sup>	Ratio	6.0	6.0	6.0	5.9	
			Energy efficiency class		A	A	A	A	
Heating	Source	Outdoor/Phase/Hz	R32						
			Capacity	Rated	kW	4.4	6.5	8.4	9.8
			Min/Max	kW	1.6-5.0	2.5-7.2	2.8-8.0	3.5-10.2	
			Total Input	Rated	kW	1.925	1.93	1.757	2.251
			Min/Max	kW	1.0-3	1.0-3	1.0-3	1.0-3	
			Design load	kW	3.9	3.9	4.0	3.9	
			Declared Capacity	At reference design temperature	kW	2.4 (110°C)	3.8 (110°C)	4.4 (110°C)	4.7 (110°C)
			At outdoor temperature	kW	2.4 (110°C)	3.8 (110°C)	4.4 (110°C)	4.7 (110°C)	
			At operation limit temperature	kW	2.2 (110°C)	3.7 (110°C)	4.3 (110°C)	4.6 (110°C)	
			Annual electricity consumption <sup>1)</sup>	kWh/a	128	179	194	253	
SCOP <sup>3)</sup>	Ratio	4.4	4.4	4.4	4.4				
Energy efficiency class		A	A	A	A				
Unit	Indoor	Inlet/Heating / Heating	Capacity	Rated	kW	1.3	1.8	2.0	
			Min/Max	kW	0.6-1.1	0.7-1.2	0.8-1.3		
			Operating Current (Max)	A	6.0	8.2	10.0		
			Dimensions	mm	200-260-200	200-260-200	200-190-200	200-190-200	
			Weight	kg	22	22	25		
			Air Volume (L/s-Mid-H)	l/s	12-11	12-11	12-11		
			External Static Pressure <sup>4)</sup>	Pa	<80-25-350-450	<80-25-350-450	<80-25-350-450	<80-25-350-450	
			Sound Level (Lw-Mid-H) (SPL)	dB(A)	22-22-31	22-22-31	22-22-31		
			Sound Level (PWL)	dB(A)	22-22-31	22-22-31	22-22-31		
			Operating Current (Max)	A	12	12	12		
Outdoor Unit	Dimensions	mm	SUZ-M25/35VA	550-850-285	550-850-285	574-950-285	574-950-285		
			SUZ-M50VA	550-850-285	550-850-285	574-950-285	574-950-285		
			SUZ-M60/71VA	550-850-285	550-850-285	574-950-285	574-950-285		
			SUZ-M71VA	550-850-285	550-850-285	574-950-285	574-950-285		
			Weight	kg	46	46	47		
			Air Volume	l/s	45	45	45		
			Sound Level (SPL)	dB(A)	46	46	47		
			Sound Level (PWL)	dB(A)	46	46	47		
			Operating Current (Max)	A	12	12	12		
			Ext Piping	Diameter <sup>5)</sup>	mm	Cooling	6.35 / 1/2"	6.35 / 1/2"	6.35 / 1/2"
Heating	6.35 / 1/2"	6.35 / 1/2"				6.35 / 1/2"	6.35 / 1/2"		
Max Length	m	30				30	30		
Max Height	m	30				30	30		
Guaranteed Operating Range (Outdoor)	Cooling	°C				-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating				°C	-11 ~ -24	-11 ~ -24	-11 ~ -24

<sup>1)</sup> 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 applies to a refrigerant that works with GWP equal to 850. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 850 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Please refer to the relevant data sheet for details. The GWP of R32 is 675 in the IPCC AR Assessment Report.

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