

SEZ SERIES

R32
R410A



SEZ-M25-71DA(L)2

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.



High Energy Efficiency



35/50
SEER
A++

SCOP
A+

25/35/50
SEER
A+

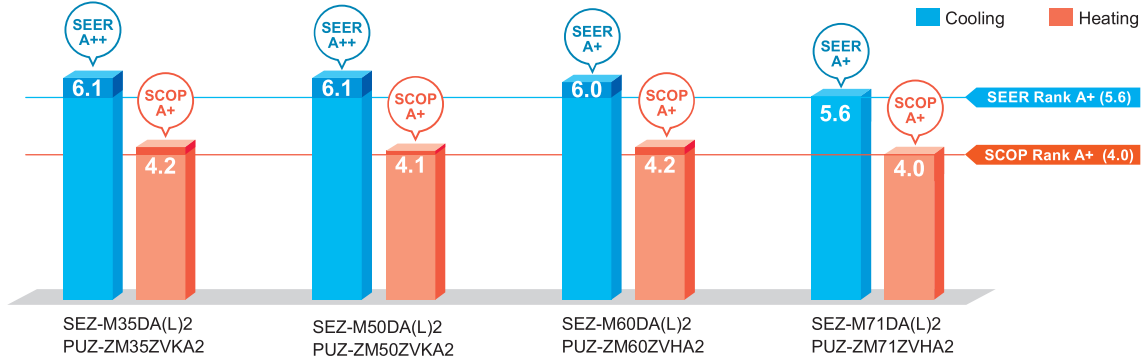
25/35/50/60
SCOP
A+

Power Inverter

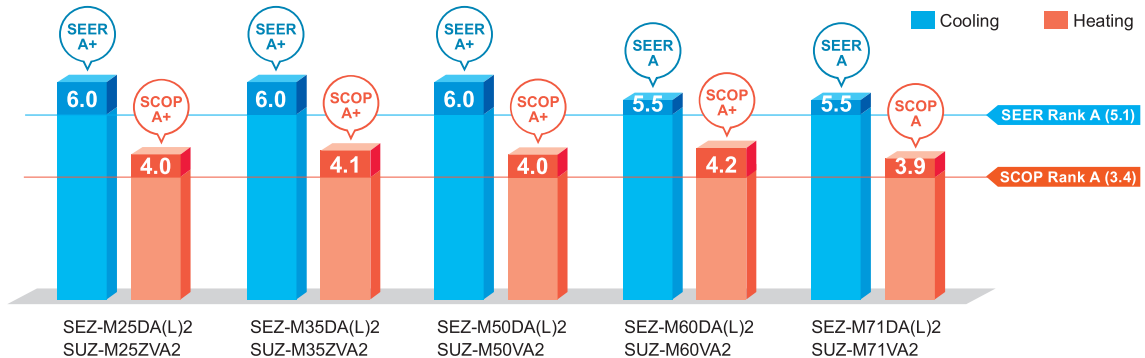
Standard Inverter

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.

Power Inverter

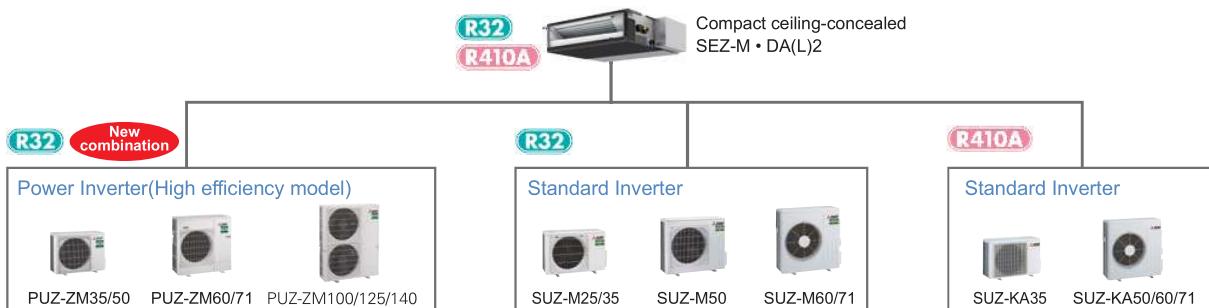


Standard Inverter (R32)



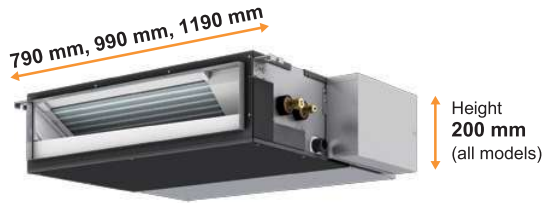
Lineup of compatible outdoor unit has been expanded by power inverter series

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).

		Capacity	M25	M35	M50	M60	M71
Sound pressure level	Fan speed	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

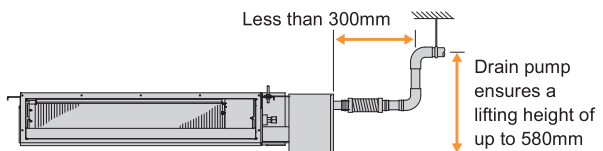
External static pressure can be selected from 5, 25, 35, and 50 Pa (set to 25 Pa at the time of factory shipment).

Four levels Available for All Models

Drain Pump (Optional)

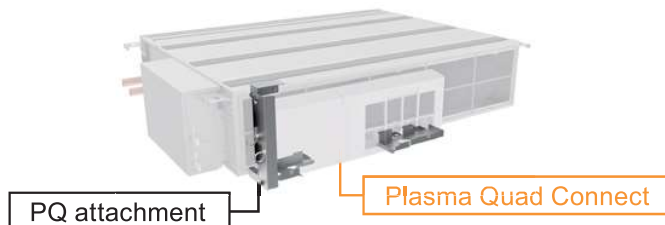
The PAC-KE07DM-E drain pump is available as an option. The drain connection can be raised as high as 580 mm, allowing more freedom in piping layout design.

*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

R32 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)



Indoor Unit Combination		Outdoor Unit Capacity														
		For Single							For Twin			For Triple			For Quadruple	
		35	50	60	71	100	125	140	71	100	125	100	125	140	125	140
Power Inverter (PUZ-ZM)		35×1	50×1	60×1	71×1	-	-	-	35×2	50×2	60×2	35×3	50×3	50×3	35×4	35×4
	Distribution Pipe	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDT-111R3-E			MSDF-111R2-E	

Type				Inverter Heat Pump									
Indoor Unit				SEZ-M35DA(L)2		SEZ-M50DA(L)2		SEZ-M60DA(L)2		SEZ-M71DA(L)2			
Outdoor Unit				PUZ-ZM35VKA2		PUZ-ZM50VKA2		PUZ-ZM60VHA2		PUZ-ZM71VHA2			
Refrigerant ⁽¹⁾				R32									
Power Supply				Outdoor power supply									
Cooling				230/Single/50									
	Capacity	Rated	kW	3.6		5.0		6.1		7.1			
		Min-Max	kW	1.6 - 3.9		2.3 - 5.6		2.7 - 6.3		3.3 - 8.1			
		Total Input	Rated	kW	0.857		1.315		1.525		1.918		
	EER ⁽⁴⁾			4.20		3.80		4.00		3.70			
	Design load			kW		3.6		5.0		6.1			
	Annual electricity consumption ⁽²⁾			kWh/a		205		287		352			
	SEER ⁽⁴⁾⁽⁵⁾			6.1		6.1		6.0		5.6			
	Energy efficiency class			A++		A++		A+		A+			
	Heating	Capacity	Rated	kW	4.1		6.0		7.0		8.0		
			Min-Max	kW	1.6 - 5.0		2.5 - 7.2		2.8 - 8.0		3.5 - 10.2		
			Total Input	Rated	kW	1.025		1.578		1.707		2.051	
		COP ⁽⁴⁾			4.00		3.80		4.10		3.90		
		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 (-11°C)		3.7 (-11°C)		2.8 (-20°C)				
Back up heating capacity			kW	0.0		0.0		0.0		0.0			
Annual electricity consumption ⁽²⁾			kWh/a	791		1279		1464		1633			
SCOP ⁽⁴⁾⁽⁵⁾			4.2	4.1		4.2		4.0		4.0			
Energy efficiency class			A+	A+		A+		A+		A+			
Operating Current(Max)				A	13.7		13.8		19.9		20.0		
Indoor Unit	Input [cooling / Heating]		Rated	kW	0.047		0.077		0.084		0.102		
	Operating Current(Max)		A	0.65		0.82		0.88		1.00			
	Dimensions		H*W*D	mm	200 - 990 - 700		200 - 990 - 700		200 - 1190 - 700		200 - 1190 - 700		
	Weight		kg	22		22		25.5		25.5			
	Air Volume (Lo-Mid-Hi)		m³/min	7 - 9 - 11		10 - 12.5 - 15		12 - 15 - 18		12 - 16 - 20			
	External Static Pressure ⁽⁷⁾		Pa	<5> - 25 - <35> - <50>		<5> - 25 - <35> - <50>		<5> - 25 - <35> - <50>		<5> - 25 - <35> - <50>			
	Sound Level (Lo-Mid-Hi) (SPL)		Rated	dB(A)	23 - 27 - 31		30 - 34 - 37		30 - 34 - 38		30 - 35 - 40		
			5Pa ⁽⁶⁾	dB(A)	22 - 26 - 30		29 - 33 - 36		29 - 33 - 37		29 - 34 - 39		
	Sound Level (PWL)		dB(A)	51		57		58		60			
	Outdoor Unit	Dimensions		H*W*D	mm	630-809-300		630-809-300		943-950-330(+25)		943-950-330(+25)	
		Weight		kg	46		46		67		67		
		Air Volume		Cooling	m³/min	45		45		55		55	
				Heating	m³/min	45		45		55		55	
Sound Level (SPL)		Cooling	dB(A)	44		44		47		47			
		Heating	dB(A)	46		46		49		49			
Sound Level (PWL)		Cooling	dB(A)	65		65		67		67			
Operating Current(Max)		A	13		13		19		19				
Breaker Size		A	16		16		25		25				
Ext.Piping		Diameter ⁽⁸⁾		Liquid/Gas	mm	6.35 / 12.7		6.35 / 12.7		9.52 / 15.88		9.52 / 15.88	
		Max.Length		Out-In	m	50		50		55		55	
		Max.Height		Out-In	m	30		30		30		30	
		Guaranteed Operating Range (Outdoor)		Cooling ⁽³⁾	°C	-15 ~ +46		-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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 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 EER/COP and SEER/SCOP for M35-71 are measured at ESP 25Pa.

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

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

*7 The factory setting of ESP is shown without < >.

*8 SPL measured at ESP 5Pa.