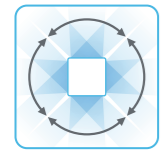


Fine-tuned sensing & airflow direction control (3D Total Flow)

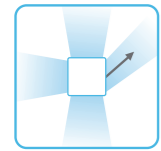
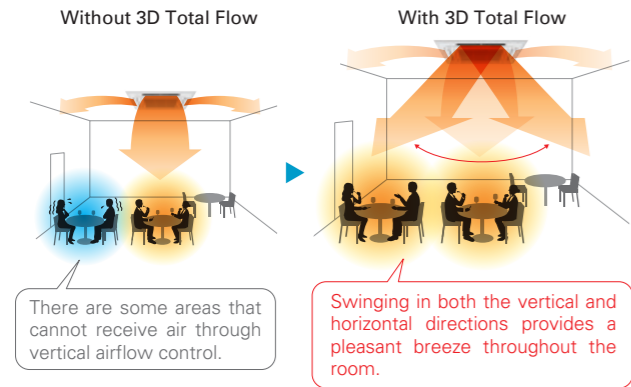


Swinging

Since airflow can be controlled in the horizontal and vertical directions, you can efficiently make the entire room comfortable.

Horizontal, vertical, and diagonal airflow delivered to every corner

The combination of the vertical vanes with the horizontal louver unit makes it possible to direct airflow in any direction. This quickly makes the entire room comfortable, even when diagonal airflow is necessary.

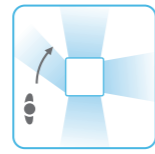
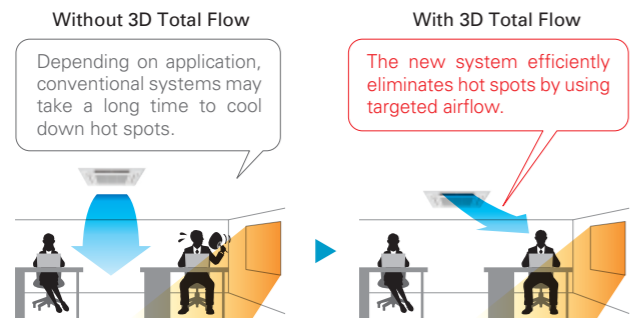


Targeting

The system can detect spaces with uneven temperatures and target them by sending air even if they are in a diagonal direction.

Detects and targets areas with uneven temperatures

3D i-see sensor detects areas with uneven temperatures, even if they are caused by the installation orientation of the air conditioner or the influence of strong sunlight. Efficient air conditioning is possible thanks to the ability to send focused airflow to such areas, even those in a diagonal position.

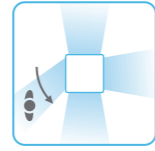
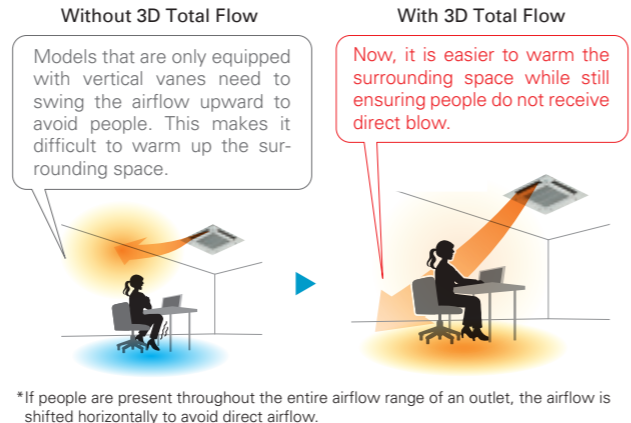


Indirect mode

When set to "Indirect" mode, the system detects the position of a person and maintains comfort while diverting airflow away from them.

Prevents direct airflow and keeps you comfortable

This function prevents people from being directly exposed to airflow while still ensuring comfort. The "Indirect" mode of 3D Total Flow keeps the downward airflow while avoiding direct blow to people, delivering a pleasant warmth.

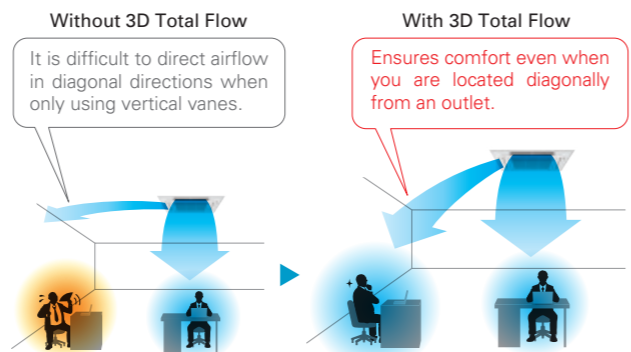


Direct mode

When set to "Direct" mode, the system detects the position and diverts airflow towards wherever they are located.

Delivers airflow even in diagonal directions

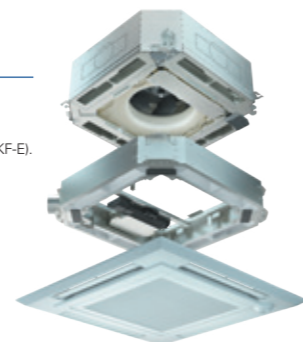
You can freely turn on "Direct" mode depending on personal preference. This allows for air conditioning in diagonal directions which was difficult for models that could only swing the airflow up and down. This feature is perfect for when you come back home on a hot day.



Connectable to Plasma Quad Connect*

The optional Plasma Quad Connect PAC-SK51FT-E can be installed on the indoor units.

*Plasma Quad Connect(PAC-SK51FT-E) cannot be used with PLP-U160ELR-E(3D Total Flow unit), Insulation kit (PAC-SK36HK-E), Auto elevation panel(PLP-6EAJ, PLP-6EAJE), Multi functional casement(PAC-SJ41TM-E) and High-efficiency filter element(PAC-SH59KF-E).



SERIES SELECTION

Power Inverter Series

Indoor Unit

R32
R410A



Panel PLA-ZM35/50/60/71/100/125/140EA2

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALM2	✓	✓		
PLP-6EALM2	✓	✓	✓	
PLP-6EALM2	✓	✓	✓	✓

*Auto elevation panel(PLP-6EAJ, PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51FT-E) and Insulation kit (PAC-SK36HK-E).

3D Total Flow Unit

PLP-U160ELR-E (optional)

Remote Controller



Outdoor Unit

R32

For Single



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

R32

For Multi (Twin/Triple/Quadruple)



PUZ-ZM71 PUZ-ZM100/125/140/200/250

PLA-ZM EA2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single								For Twin				For Triple		For Quadruple					
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E				MSDD-50WR2-E		MSDT-111R3-E		MSDF-111R2-E		

SERIES SELECTION

Standard Inverter Series

Indoor Unit

R32
R410A



Panel PLA-M35/50/60/71/100/125/140EA2

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALM2	✓	✓		
PLP-6EALM2	✓	✓	✓	
PLP-6EALM2	✓	✓	✓	✓

*Auto elevation panel(PLP-6EAJ, PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51FT-E) and Insulation kit (PAC-SK36HK-E).

3D Total Flow Unit

PLP-U160ELR-E* (optional)
*SUZ combination is not available.

Remote Controller



Outdoor Unit

R32

For Single



SUZ-M35 SUZ-M50 SUZ-M60/71 PUZ-M100/125/140

R32

For Multi (Twin/Triple/Quadruple)



PUZ-M100/125/140 PUZ-M200/250

PLA-M EA2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																		
	For Single								For Twin				For Triple		For Quadruple				
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200
Standard Inverter (SUZ & PUZ-M)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E				MSDD-50WR2-E		MSDT-111R3-E		MSDF-111R2-E	

PLA-ZM SERIES
POWER INVERTER



Type	Inverter Heat Pump																						
Indoor Unit	PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M125EA2	PLA-M125EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2												
Outdoor Unit	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	PUZ-M100KA2	PUZ-M100KA2	PUZ-M125KA2	PUZ-M140KA2	PUZ-M140KA2	PUZ-M140KA2	PUZ-M140KA2												
Refrigerant ^(*)	R32																						
Power Supply	Outdoor power supply																						
Source	VA-VKA:230/Single/50, YKA:400/Three/50																						
Outdoor(V/Phase/Hz)																							
Cooling	Capacity	Rated	3.6		5.0		6.1		7.1		9.5		12.5		12.5		13.4		13.4				
		Min-Max	1.6 - 4.5		2.3 - 5.6		2.7 - 6.5		3.3 - 8.1		4.9 - 11.4		5.5 - 14.0		5.5 - 14.0		6.2 - 15.0		6.2 - 15.0				
	Total Input	0.705		1.106		1.452		1.651		2.159		2.159		3.378		3.378		3.722		3.722			
	EER	4.00		3.40		3.30		3.70		3.50		3.50		3.01		3.01		2.70		2.70			
	Design load	3.6		5.0		6.1		7.1		9.5		9.5		7.1		7.1		3.60		3.60			
	Annual electricity consumption ⁽²⁾	170		285		320		331		475		475		-		-		-		-			
	SEER ⁽⁴⁾	7.4		6.7		6.6		7.5		7.0		7.0		-		-		-		-			
	Energy efficiency class			A++		A++		A++		A++		A++		-		-		-		-			
	Heating	Capacity	Rated	4.1		6.0		7.0		8.0		11.2		14.0		14.0		16.0		16.0			
			Min-Max	1.6 - 5.2		2.5 - 7.3		2.8 - 8.2		3.5 - 10.2		4.5 - 14.0		5.0 - 16.0		5.0 - 16.0		5.7 - 18.0		5.7 - 18.0			
Total Input		0.820		1.363		1.707		1.818		2.604		2.604		3.674		3.674		4.312		4.312			
COP		5.00		4.40		4.10		4.40		4.30		3.81		3.81		3.71		3.71		3.71			
Design load		2.5		3.8		4.4		4.7		7.8		7.8		-		-		-		-			
Declared Capacity		at reference design temperature		2.5 (-10°C)		3.8 (-10°C)		4.4 (-10°C)		4.7 (-10°C)		7.8 (-10°C)		7.8 (-10°C)		-		-		-			
at bivalent temperature			2.5 (-10°C)		3.8 (-10°C)		4.4 (-10°C)		4.7 (-10°C)		7.8 (-10°C)		7.8 (-10°C)		-		-		-				
at operation limit temperature			2.1 (-11°C)		3.7 (-11°C)		2.8 (-20°C)		3.4 (-20°C)		5.8 (-20°C)		5.8 (-20°C)		-		-		-				
Back up heating capacity		kW		0.0		0.0		0.0		0.0		0.0		-		-		-		-			
Annual electricity consumption ⁽²⁾		kWh/a		744		1085		1339		1371		2271		2272		-		-		-			
SEER ⁽⁴⁾	4.7		4.9		4.8		4.8		4.8		4.8		-		-		-		-				
Energy efficiency class			A++		A++		A++		A++		A++		-		-		-		-				
Operating Current(Max)	A		13.2		13.2		19.2		19.3		20.5		8.5		27.0		9.5		30.7		12.5		
Indoor Unit	Input [cooling / Heating]	Rated	0.03 / 0.03		0.03 / 0.03		0.03 / 0.03		0.04 / 0.05		0.07 / 0.07		0.07 / 0.07		0.08 / 0.08		0.08 / 0.08		0.10 / 0.10		0.10 / 0.10		
		A	0.21		0.22		0.22		0.35		0.47		0.47		0.52		0.52		0.66		0.66		
	Dimensions	H*W*D		mm		258-840-840		<40-950-950>				298-840-840		<40-950-950>				298-840-840		<40-950-950>			
	Weight	kg		21 <5>		21 <5>		21 <5>		24 <5>		26 <5>		26 <5>		26 <5>		26 <5>		26 <5>			
	Air Volume (Lo-Mi2-Mi1-Hi)	m³/min		11-13-15-16		12-14-16-18		12-14-16-18		17-19-21-23		19-22-25-28		19-22-25-28		21-24-26-29		24-26-29-32		24-26-29-32			
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)	dB(A)		26-28-29-31		27-29-31-32		27-29-31-32		28-30-32-34		31-34-37-40		31-34-37-40		33-36-39-41		36-39-42-44		36-39-42-44			
	Sound Level (PWL)	dB(A)		51		54		54		57		61		61		62		65		65			
	Outdoor Unit	Dimensions	H*W*D		mm		630-809-300		630-809-300		943-950-330(+25)		943-950-330(+25)		1338-1050-330(+40)		1338-1050-330(+40)		1338-1050-330(+40)		1338-1050-330(+40)		
			Weight	kg		48		48		57		67		105		114		105		118		118	
		Air Volume	Cooling	m³/min		45		45		55		55		110		110		120		120		120	
Heating			m³/min		45		45		55		55		110		110		120		120		120		
Sound Level (SPL)		Cooling	dB(A)		44		44		47		47		49		49		50		50		50		
		Heating	dB(A)		46		46		49		49		51		51		52		52		52		
Sound Level (PWL)		Cooling	dB(A)		65		65		67		69		69		70		70		70		70		
		Heating	dB(A)		66		66		69		69		70		70		70		70		70		
Operating Current(Max)		A		13		13		17		19		20		8		26.5		9		30		11.8	
Breaker Size		A		16		16		25		25		32		16		32		16		40		16	
Ext.Piping	Diameter ⁽⁵⁾	Liquid/Gas		mm		6.35 / 12.7		6.35 / 12.7		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88			
	Max.Length	Out-In		m		50		50		55		55		100		100		100		100			
	Max.Height	Out-In		m		30		30		30		30		30		30		30		30			
Guaranteed Operating Range (Outdoor)	Cooling ⁽³⁾	°C		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46			
	Heating	°C		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +21		-11 ~ +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 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.

PLA-M SERIES
STANDARD INVERTER



Type	Inverter Heat Pump																						
Indoor Unit	PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M125EA2	PLA-M125EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2												
Outdoor Unit	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	PUZ-M100KA2	PUZ-M100KA2	PUZ-M125KA2	PUZ-M140KA2	PUZ-M140KA2	PUZ-M140KA2	PUZ-M140KA2												
Refrigerant ^(*)	R32																						
Power Supply	Outdoor power supply																						
Source	VA-VKA:230/Single/50, YKA:400/Three/50																						
Outdoor(V/Phase/Hz)																							
Cooling	Capacity	Rated	3.6		5.5		6.1		7.1		9.5		12.1		12.1		13.4		13.4				
		Min-Max	0.8 - 3.9		1.2 - 5.6		1.6 - 6.3		2.2 - 8.1		4.0 - 10.6		5.8 - 13.0		5.8 - 13.0		5.8 - 14.1		5.8 - 14.1				
	Total Input	0.900		1.617		1.848		1.918		2.714		2.714		4.019		4.019		4.962		4.962			
	EER	4.00		3.40		3.30		3.70		3.50		3.50		3.01		3.01		2.70		2.70			
	Design load	3.6		5.5		6.1		7.1		9.5		9.5		7.1		7.1		3.60		3.60			
	Annual electricity consumption ⁽²⁾	170		285		320		331		475		475		-		-		-		-			
	SEER ⁽⁴⁾	7.4		6.7		6.6		7.5		7.0		7.0		-		-		-		-			
	Energy efficiency class			A++		A++		A++		A++		A++		-		-		-		-			
	Heating	Capacity	Rated	4.1		6.0		7.0		8.0		11.2		13.5		13.5		15.0		15.0			
			Min-Max	1.0 - 5.0		1.5 - 7.2		1.6 - 8.0		2.0 - 10.2		2.8 - 12.5		2.8 - 12.5		4.1 - 15.0		4.1 - 15.0		4.2 - 15.8		4.2 - 15.8	
Total Input		0.976		1.734		1.842		2.216		3.018		3.018		3.638		3.638		4.398		4.398			
COP		4.20		3.46		3.80		3.61		3.71		3.71		3.71		3.71		3.41		3.41			
Design load		2.6		4.3		4.6		5.8		8.0		8.0		-		-		-		-			
Declared Capacity		at reference design temperature		2.3 (-10°C)		3.8 (-10°C)		4.1 (-10°C)		5.2 (-10°C)		6.0 (-10°C)		6.0 (-10°C)		-		-		-			
at bivalent temperature			2.3 (-7°C)		3.8 (-7°C)		4.1 (-7°C)		5.2 (-7°C)		7.0 (-7°C)		7.0 (-7°C)		-		-		-				
at operation limit temperature			2.3 (-10°C)		3.8 (-10°C)		4.1 (-10°C)		5.2 (-10°C)		4.5 (-15°C)		4.5 (-15°C)		-		-		-				
Back up heating capacity		kW		0.3		0.5		0.5		2.0		2.0		-		-		-		-			
Annual electricity consumption ⁽²⁾		kWh/a		774		1458		1459		1798		2406		2406		-		-		-			
SEER ⁽⁴⁾	4.7		4.1		4.4		4.5		4.6		4.6		-		-		-		-				
Energy efficiency class			A++		A+		A+		A++		A++		-		-		-		-				
Operating Current(Max)	A		8.7		13.7		15.0		15.1		20.5		12		27.2		12.2		30.7		12.2		
Indoor Unit	Input [cooling / Heating]	Rated	0.03 / 0.03		0.03 / 0.03		0.03 / 0.03		0.04 / 0.04		0.07 / 0.07		0.07 / 0.07		0.10 / 0.10		0.10 / 0.10		0.10 / 0.10		0.10 / 0.10		
		A	0.20		0.22		0.24		0.27		0.46		0.46		0.66		0.66		0.66		0.66		
	Dimensions	H*W*D		mm		258-840-840		<40-950-950>				298-840-840		<40-950-950>				298-840-840		<40-950-950>			
	Weight	kg		19 <5>		19 <5>		21 <5>		21 <5>		24 <5>		26 <5>		26 <5>		26 <5>		26 <5>			
	Air Volume (Lo-Mi2-Mi1-Hi)	m³/min		11-13-15-16		12-14-16-18		12-14-16-18		14-17-19-21		19-23-26-29		19-23-26-29		21-25-28-31		21-25-28-31		24-26-29-32		24-26-29-32	
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)	dB(A)		26-28-29-31		27-29-31-32		27-29-31-32		28-30-32-34		31-34-37-40		31-34-37-40		33-37-41-44		33-37-41-44		36-39-42-44		36-39-42-44	
	Sound Level (PWL)	dB(A)		51		54		54		56		61		61		65		65		65		65	
	Outdoor Unit	Dimensions	H*W*D		mm		550-800-285		714-800-285		880-840-330		880-840-330		981-1050-330(+40)		981-1050-330(+40)		981-1050-330(+40)		981-1050-330(+40)		
			Weight	kg		35		41		54		55		76		78		84		85		85	
		Air Volume	Cooling	m³/min		34.3		45.8		50.1		50.1		79		79</							