Mr.SLIM

MITSUBISHI ELECTRIC

Commercial Air Conditioning Systems

Functionality, Versatility and Comfort for Every Environment

The Next Generation of R32 Commercial Solutions is Here

The next generation of R32 Mr Slim Range is here!

The Mr Slim R32 range features the latest in super-efficient and more environmentally friendly R32 refrigerant, enabling the integration of more cost savings into any HVAC design. Featuring a GWP of just 675, R32 refrigerant is highly energy efficient and with a volumetric capacity that is around 20% higher compared to R410A, system refrigerant volumes are significantly lower.

Furthermore our R32 Mr Slim models blend a host of outstanding features with a premium quality, sophisticated design. Offering high efficiencies, advanced control options and extended pipe runs, the range is extremely flexible and cost effective.

R32

Benefits of R32 compared to R410A

✓ 66% lower GWP of 675

✓ More environmentally friendly

✓ 20% less refrigerant volume requirement

✓ Overall higher system efficiency

MITSUBISHI ELECTRIC

Comfort takes on new meaning with Mitsubishi Electric Power Inverter Systems. Selected worldwide for their space-saving design, quiet operation, energy efficiency and durability, there is a wide variety of indoor unit designs and outdoor unit capacities ensuring the flexibility to meet the most challenging of heating and cooling needs, whether domestic or commercial.
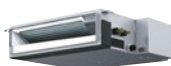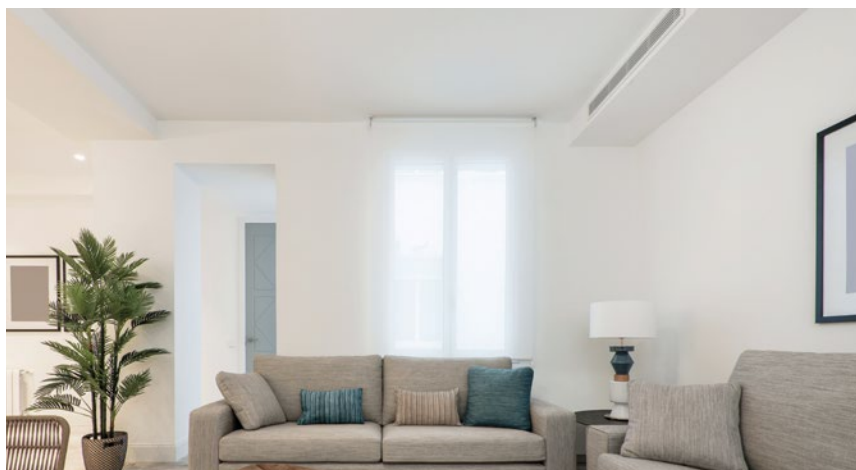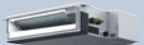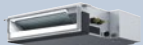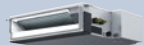
Mr.SLIM Product Line-Up

		2.5kW	3.5kW	5.0kW	6.0kW	7.1kW
		R32	**R32**	**R32**	**R32**	**R32**
Ducted	PEAD Series			PEAD-M50JAA	PEAD-M60JAA	PEAD-M71JAA
	PEA Splittable Series					
	PEA Series					
Ceiling Concealed	SEZ Series		SEZ-M35DA	SEZ-M50DA	SEZ-M60DA	SEZ-M71DA
High Wall	PKA Series					
Ceiling Cassette	MLZ Series	MLZ-KP25VG	MLZ-KP35VG	MLZ-KP50VG		
	SLZ Series	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA	
	PLA Series					PLA-M71EA2
Under Ceiling	PCA Series			PCA-M50KA2	PCA-M60KA2	PCA-M71KA2
Outdoor Unit		SUZ-M25VAD	SUZ-M35VAD	SUZ-M50VAD	SUZ-M60VAD	SUZ-M71VAD

7.1kW	10.0kW	12.5kW	14.0kW	16.0kW	18.0kW	20.0kW	24.5kW
R32	**R32**	**R32**	**R32**	**R32**	**R32**	**R32**	**R32**
PEAD-M71JAA	PEAD-M100JAA	PEAD-M125JAA	PEAD-M140JAA				
	PEA-M100HAA	PEA-M125HAA	PEA-M140HAA	PEA-M160HAA	PEA-M180LAA	PEA-M200LAA	PEA-M250LAA
	PEA-M100GAA	PEA-M125GAA	PEA-M140GAA				
PKA-M71KAL2	PKA-M100KAL2*1						
PLA-M71EA2	PLA-M100EA2	PLA-M125EA2	PLA-M140EA2*2				
PCA-M71KA2 PCA-M71HA2	PCA-M100KA2	PCA-M125KA2	PCA-M140KA2*2				
PUZ-ZM71VHA2	PUZ-ZM100VKA2 (Deluxe) PUZ-M100VKA (Standard)*1	PUZ-ZM125VKA2 (Deluxe) PUZ-M125VKA (Standard)	PUZ-ZM140VKA2 (Deluxe) PUZ-M140VKA (Standard)*2	PUZ-ZM160VKA	PUZ-ZM180VKA	PUZ-ZM200YKA	PUZ-ZM250YKA

*1 PUZ-M100VKA (Standard) is not compatible with PKA-M100KAL2
*2 PUZ-M140VKA (Standard) is not compatible with PLA-M140 Cassettes or PCA-M140.

3

PEAD Series

OPTIONAL
Wi-Fi
CONTROL

The thin, low-profile, ceiling-concealed PEAD indoor units are the perfect answer for air conditioning requirements of buildings with minimum ceiling installation space and wide-ranging external static pressure. Energy-saving efficiency has been improved, thereby reducing electricity consumption, and contributing to further reductions in operating cost.
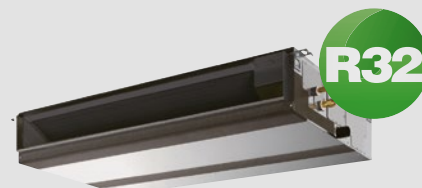
Next-Generation R32 Technology

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Compact Indoor Units

The height of the PEAD Range has been unified to 250mm making installation possible in low ceilings with minimal clearance space. It has variable airflow settings to ensure the best operation to match virtually all room layouts.

Wide Selection of Fan Speeds and External Static Pressure

All PEAD models incorporate five-stage external static pressure conversions and three fan speed selections, offering the ultimate in comfort diversity. With a wide range of adjustable static pressures (35-125Pa), PEAD Series units are applicable to a wide range of building types and applications.

Standard or Deluxe Outdoor Units

The Standard Range of our ducted systems are the ideal economical solution for buildings or homes where extended pipe runs are not necessary. The Deluxe Outdoor Unit offers longer pipe runs, slightly lower Sound Pressure Levels and extended guaranteed heating down to -20°C.

Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay Ventilation system can be integrated with a Ducted Heat Pump System. By recovering energy from stale air to pre-heat or pre-cool incoming fresh air, Lossnay reduces the amount of additional heating or cooling required. This results in increased energy savings while ventilating your home to remove stale air and combat condensation. Combine both seamlessly through the Wi-Fi Control App for the ultimate visibility and control*[1].

*[1] Each unit requires its own Wi-Fi Interface to enable Wi-Fi Interlock Control.
Please refer to Page 9 for more information.

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control.

Optional Zone Controller

The optional Zone Controller brings intuitive yet simple control to a whole new level, with the ability to control up to eight zones, automatic unloading/ramping and energy saving sensor functions.

Specifications: PEAD Ducted Series

Refrigerant			R32						
Indoor Unit			PEAD-M50JAA		PEAD-M60JAA		PEAD-M71JAA		
Outdoor Unit (Standard, Deluxe)			SUZ-M50VAD		SUZ-M60VAD		SUZ-M71VAD		PUZ-ZM71VHA2
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	5.0 (2.3-6.2)	6.0 (1.7-7.4)	6.0 (2.3-6.5)	7.0 (2.8-8.0)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)
Power Input		(kW)	1.33	1.44	1.72	1.85	1.98	2.00	1.85	1.93
Rated EER/COP			3.75	4.16	3.48	3.78	3.58	4.00	3.83	4.14
Rated AEER/ACOP			3.70	4.09	3.43	3.72	3.53	3.93	3.69	3.93
Power Supply			Single-Phase, 50Hz, 230V							
Airflow (Lo–Hi)		m³/min	12 - 14.5 - 17		14.5 - 18 - 21		17.5 - 21 - 25		17.5 - 21 - 25	
		L/S	200 - 242 - 283		242 - 300 - 350		292 - 350 - 417		292 - 350 - 417	
Indoor Sound Pressure Level		(dB)	30 - 35 - 39		30 - 32 - 36		30 - 33 - 38		30 - 34 - 39	
External Static Pressure Pa			35 / 50 / 70 / 100 / 125							
Indoor Unit Dimensions	Height	(mm)	250		250		250			
	Width	(mm)	900		1,100		1,100			
	Depth	(mm)	732		732		732			
Indoor Unit Weight		(kg)	26		29		30			
Refrigerant Piping	Max. Length/Height		30 / 30						50 / 30	
Operation Range Outdoor	Cooling	(°C)	-5(-15*²) ~ 52							
	Heating	(°C)	-10 ~ 24						-20 ~ 21	

*² With optional air protection guide.

Refer to page 20 for outdoor specifications.

Specifications: PEAD Ducted Series

Refrigerant			R32									
Indoor Unit			PEAD-M100JAA				PEAD-M125JAA				PEAD-M140JAA			
Outdoor Unit			PUZ-M100VKA		PUZ-ZM100VKA2		PUZ-M125VKA		PUZ-ZM125VKA2		PUZ-M140VKA		PUZ-ZM140VKA2	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	10.0 (4.0-10.6)	12.5 (2.8-12.5)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (6.0-13.5)	14.0 (4.1-15.5)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input		(kW)	3.06	3.35	2.67	2.80	3.83	3.68	3.66	3.52	4.40	4.30	4.37	4.18
Rated EER/COP			3.26	3.73	3.74	4.00	3.13	3.80	3.41	3.97	3.18	3.72	3.20	3.82
Rated AEER/ACOP			3.13	3.59	3.61	3.86	3.03	3.67	3.32	3.86	3.09	3.61	3.13	3.73
Power Supply			Single-Phase, 50Hz, 230V											
Airflow (Lo–Hi)		m³/min	24 - 29 - 34				29.5 - 35.5 - 42				32 - 39 - 46			
		L/S	400 - 483 - 567				492 - 592 - 700				533 - 650 - 767			
Indoor Sound Pressure Level		(dB)	33 - 38 - 42				36 - 40 - 44				40 - 44 - 49			
External Static Pressure Pa			35 / 50 / 70 / 100 / 125											
Indoor Unit Dimensions	Height	(mm)	250								250			
	Width	(mm)	1,400								1,600			
	Depth	(mm)	732								732			
Indoor Unit Weight		(kg)	39				40				44			
Refrigerant Piping	Max. Length/Height		55 / 30		75 / 30		55 / 30		75 / 30		55 / 30		75 / 30	
Operation Range Outdoor	Cooling	(°C)	-5 (-15*²) ~ 46		-5(-15*²) ~ 52		-5 (-15*²) ~ 46		-5(-15*²) ~ 52		-5 (-15*²) ~ 46		-5(-15*²) ~ 52	
	Heating	(°C)	-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21	

*² With optional air protection guide.

Refer to page 20 for outdoor specifications.

PEA Splittable Series

The PEA Splittable Ducted System is the perfect answer for unobtrusive heating and cooling in both new homes and existing homes, thanks to its ability to be split in two during transportation for flexible installation into a roof space.

R32

Next-Generation R32 Technology

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Flexible Install Options

The PEA indoor unit can be separated into the fan deck and heat exchange for ease of transportation into the roof space. Its two-piece construction makes the PEA Series an ideal solution for re-modelling of existing homes into roof trusses.

Flexible Duct Design with High Static Pressure Fan

With a range of external static pressure settings from 50Pa-150Pa (PEA-M HAA) and 75Pa-250Pa (PEA-M LAA) the PEA Splittable Series offers complete flexibility in duct design. The increased variation in airflow options ensures operation that best matches virtually all room layouts.
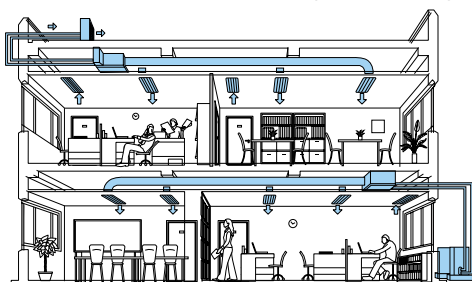
Standard or Deluxe Outdoor Units

The PEA Splittable Ducted range offers up to 10 possible system outdoor combinations, giving you maximum design flexibility to efficiently heat and cool large residences or offices. The standard range of our ducted systems are the ideal economical solution for buildings or homes where extended pipe runs are not necessary. The deluxe outdoor unit offers longer pipe runs, slightly lower sound pressure levels and extended guaranteed heating down to -20°C.

Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay Ventilation system can be integrated with a Ducted Heat Pump System. By recovering energy from stale air to pre-heat or pre-cool incoming fresh air, Lossnay reduces the amount of additional heating or cooling required. This results in increased energy savings while ventilating your home to remove stale air and combat condensation. Combine both seamlessly through the Wi-Fi Control App for the ultimate visibility and control*[1].

One of New Zealand's Largest Single-Phase Ducted Systems

The new PEA-M180LAA removes the need for costly 3-phase power building upgrades. The single-phase 18kW ducted system ensures optimal comfort without the hassle or expense of additional electrical modifications.

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort. Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control.

Optional Zone Controller

The optional Zone Controller brings intuitive yet simple control to a whole new level, with the ability to control up to eight zones, automatic unloading/ramping and energy saving sensor functions.

Unified Outdoor Unit Design

Designed to seamlessly integrate with your space, the PUZ Deluxe range of outdoor units are all uniform in size. From 10kW all the way up to 25kW, these compact outdoor units can also easily fit inside a Heat Pump Cover, ensuring they not only remain hidden from view but also compliment the aesthetic harmony of your architecture and building.

*[1] Each unit requires its own Wi-Fi Interface to enable Wi-Fi Interlock Control. Please refer to Page 9 for more information.

PUZ-ZM100VKA | PUZ-ZM125VKA | PUZ-ZM140VKA | PUZ-ZM160VKA | PUZ-ZM180VKA | PUZ-ZM200VKA | PUZ-ZM250VKA

Specifications: PEA-HAA Ducted Series

Refrigerant			R32												
Indoor Unit			PEA-M100HAA		PEA-M125HAA		PEA-M140HAA			PEA-M160HAA						
Outdoor Unit (Standard, Deluxe)			PUZ-M100VKA		PUZ-ZM100VKA2		PUZ-M125VKA		PUZ-ZM125VKA2		PUZ-M140VKA		PUZ-ZM140VKA2		PUZ-ZM160VKA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	10.0 (4.0-10.6)	12.5 (2.8-12.5)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (6.0-13.5)	14.0 (4.1-15.5)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)	16.0 (4.7-17.0)	18.0 (5.4-20.0)
Power Input		(kW)	3.02	3.24	2.65	2.71	3.78	3.44	3.50	3.40	4.24	3.85	4.19	3.97	4.95	4.58
Rated EER/COP			3.31	3.85	3.77	4.13	3.17	4.06	3.57	4.11	3.30	4.15	3.34	4.03	3.23	3.93
Rated AEER/ACOP			3.21	3.75	3.63	3.98	3.10	3.96	3.47	3.99	3.23	4.06	3.26	3.93	3.16	3.84
Power Supply			230V, Single-phase, 50Hz													
Airflow (Lo–Hi)		m³/min	30-34-38-42				42-48-54-60									
		L/S	500-567-633-700				700-800-900-1000									
Indoor Sound Pressure Level		(dB)	29-32-36-38				35-38-42-45									
External Static Pressure		(Pa)	50 / 100 / 150													
Dimensions	Height	(mm)	380*2													
	Width	(mm)	1405*2													
	Depth	(mm)	900*2													
Indoor Unit Weight		(kg)	63				66									
Refrigerant Piping	Max. Length/Height		55 / 30		75 / 30		55 / 30		75 / 30		55 / 30		75 / 30			
Operation Range Outdoor	Cooling	(°C)	-5(-15*3) ~ 46		-5(-15*3) ~ 52		-5(-15*3) ~ 46		-5(-15*3) ~ 52		-5(-15*3) ~ 46		-5(-15*3) ~ 52			
	Heating	(°C)	-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21			

*2 When fully installed the PEA-M HAA should be assembled together in one-piece. Any gaps between the fan deck section and heat exchanger at final install will result in significant pressure loss.

*3 With optional air protection guide.

Refer to page 20 for outdoor specifications.

Specifications: PEA-LAA Ducted Series

Refrigerant			R32					
Indoor Unit			PEA-M180LAA		PEA-M200LAA		PEA-M250LAA	
Outdoor Unit (Standard, Deluxe)			PUZ-ZM180VKA		PUZ-ZM200YKA		PUZ-ZM250YKA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	18.0 (4.9-20.0)	20.0 (5.4-22.4)	20.0 (4.9-22.4)	22.4 (5.7-25.0)	24.5 (6.3-25.0)	28.0 (7.9-29.0)
Power Input		(kW)	5.52	5.10	6.40	5.90	8.00	7.50
Rated EER/COP			3.26	3.92	3.12	3.79	3.06	3.73
Rated AEER/ACOP			3.20	3.84	3.07	3.72	3.02	3.67
Power Supply			230V, Single-phase, 50Hz		400V, Three-phase, 50Hz			
Airflow (Lo–Hi)		m³/min	36-50-61-72				42-58-72-84	
		L/S	600-833-1017-1200				700-967-1200-1400	
Indoor Sound Pressure Level		(dB)	30-37.5-42-46				32.5-40-45.5-48.5	
External Static Pressure		(Pa)	75 / 100 / 150 / 200 / 250					
Dimensions	Height	(mm)	470*4					
	Width	(mm)	1370*4					
	Depth	(mm)	1120*4					
Indoor Unit Weight		(kg)	88					
Refrigerant Piping	Max. Length/Height		75 / 30		100 / 30			
Operation Range Outdoor	Cooling	(°C)	-5(-15*3) ~ 52					
	Heating	(°C)	-20 ~ 21					

*3 With optional air protection guide.

*4 When fully installed the PEA-M LAA should be assembled together in one-piece. Any gaps between the fan deck section and heat exchanger at final install will result in significant pressure loss.

Refer to page 20 for outdoor specifications.

PEA Series

The PEA Series' high static airflow allows air to be directed to different areas of your home or office with ease, ideal for heating or cooling a number of rooms at once. With an aesthetically pleasing ceiling installation and vast line-up of performance functions, the PEA Series provides the ultimate in comfort.

R32

PEA-M100~140GAA

Ducted System

Flexible Duct Design Enables Use of High-Pressure Static Fan

With a maximum 150Pa external static high-pressure setting, PEA Series models offer complete flexibility in duct design. The increased variation in airflow options ensures operation that best matches virtually all room layouts.
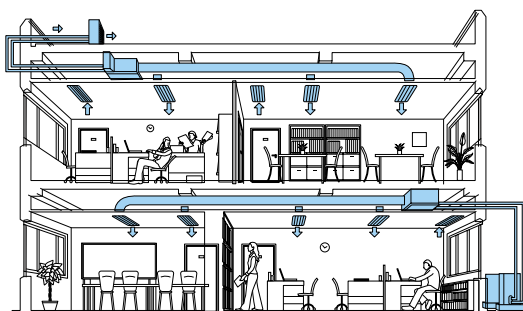
Versatile and Easy Installation Options

PEA Series models offer both versatility and ease of installation/ application; for example, it is possible to adjust the distance between the air-intake and air-outlet vents to create the optimal airflow configuration.

L-shaped room

Long rectangular room

Room with fixed ceiling fixtures
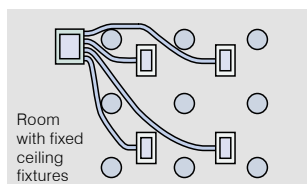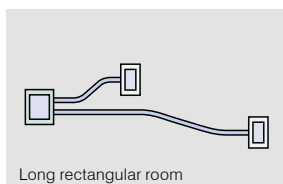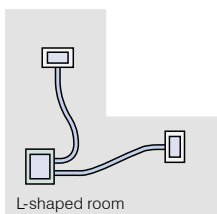
Next-Generation R32 Technology

Featuring the latest in super-efficient and more environmentally friendly R32 refrigerant with 30% lower global warming potential than R410A, R32 offers a significantly reduced environmental impact, zero ozone depletion, and improved recyclability. Blending advanced efficiencies, flexible control options, extended pipe runs, and premium design, these systems deliver high performance with exceptional installation versatility and value.

Standard or Deluxe Outdoor Units

The Standard Range of our ducted systems are the ideal economical solution for buildings or homes where extended pipe runs are not necessary. The Deluxe Outdoor Unit offers longer pipe runs, slightly lower Sound Pressure Levels and extended guaranteed heating down to -20°C.

Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay Ventilation system can be integrated with a Ducted Heat Pump System. By recovering energy from stale air to pre-heat or pre-cool incoming fresh air, Lossnay reduces the amount of additional heating or cooling required. This results in increased energy savings while ventilating your home to remove stale air and combat condensation. Combine both seamlessly through the Wi-Fi Control App for the ultimate visibility and control*[1].

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control.

*[1] Each unit requires its own Wi-Fi Interface to enable Wi-Fi Interlock Control. Please refer to Page 9 for more information.

Optional Zone Controller

The optional Zone Controller brings intuitive yet simple control to a whole new level, with the ability to control up to eight zones, automatic unloading/ramping and energy saving sensor functions.

Specifications: PEA-GAA Ducted Series

Refrigerant			R32										
Indoor Unit			PEA-M100GAA				PEA-M125GAA				PEA-M140GAA		
Outdoor Unit (Standard, Deluxe)			PUZ-M100VKA		PUZ-ZM100VKA2		PUZ-M125VKA		PUZ-ZM125VKA2		PUZ-M140VKA		PUZ-ZM140VKA2
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	10.0 (4.0-10.6)	12.5 (2.8-12.5)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (6.0-13.5)	14.0 (4.1-15.5)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input		(kW)	3.08	3.36	2.39	2.51	3.81	3.54	3.52	3.27	4.22	4.20	4.10	3.90
Rated EER/COP			3.24	3.72	4.18	4.46	3.14	3.95	3.55	4.28	3.31	3.80	3.41	4.10
Rated AEER/ACOP			3.12	3.58	4.01	4.29	3.04	3.81	3.45	4.15	3.22	3.69	3.33	3.99
Power Supply			230V, Single-phase, 50Hz											
Airflow (Lo–Hi)		m³/min	34-42				48-60							
		L/S	567-700				800-1000							
Indoor Sound Pressure Level		(dB)	33-38-42		39-42		42-45							
External Static Pressure		(Pa)	50 / 100 / 150											
Dimensions	Height	(mm)	400											
	Width	(mm)	1,400											
	Depth	(mm)	634											
Indoor Unit Weight		(kg)	63											
Refrigerant Piping	Max. Length/Height		55 / 30		75 / 30		55 / 30		75 / 30		55 / 30		75 / 30	
Operation Range Outdoor	Cooling	(°C)	-5(-15*²) ~ 46		-5(-15*²) ~ 52		-5(-15*²) ~ 46		-5(-15*²) ~ 52		-5(-15*²) ~ 46		-5(-15*²) ~ 52	
	Heating	(°C)	-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21	

*² With optional air protection guide.

NEW release

Optional Wi-Fi Interlock for Total Home Control

Seamlessly combine a Mitsubishi Electric Mr Slim Ducted Heat Pump and Lossnay Heat Recovery Ventilation System through the Wi-Fi Control App for the ultimate visibility and control.

Because the Ducted Heat Pump needs to be in fan, heating or cooling mode for the connected Lossnay system to operate, you can now choose from two innovative modes to customise the climate control setup.

Use the "**Power Interlock**" mode, to enjoy set and forget convenience.

In this mode, both systems will always automatically activate together no matter which system you initially turn on.

Opt for "**Fresh Air Fan Interlock**" mode to prioritise fresh air circulation; regardless of whether the ducted system is turned on.

In this mode, the Lossnay System will override a ducted system that is turned off and automatically activate the system's Fan Mode.

As a result fresh air continues to efficiently circulate throughout the building.

Note: Each unit requires its own Wi-Fi Interface to enable Wi-Fi Interlock Control.

SEZ Series

The SEZ Series is conveniently hidden in the ceiling cavity with only the grilles visible. Compact, whisper quiet and highly efficient, these concealed units fit easily and discreetly into rooms with lowered or bulkhead ceilings.

R32
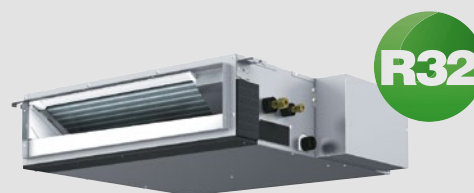
Compact Design

Ceiling concealed and a slim 200mm in height, the SEZ Series is ideal for tight installation spaces.

Quiet Comfort

The SEZ Series offers whisper quiet operation, starting at a hushed 23dBA[1].

Air Cleaning Filter

This built-in filter removes dust and other irritating particles, keeping the air clean at all times. Maintenance is as simple as vacuuming.

Easy Installation

The SEZ Series' lightweight design and low unit height makes for an easier and more convenient installation.

[1] SEZ-M35 indoor sound level on lowest fan speed.

Specifications: SEZ Ceiling Concealed Series

Refrigerant		R32							
Indoor Unit		SEZ-M35DA		SEZ-M50DA		SEZ-M60DA		SEZ-M71DA	
Outdoor Unit		SUZ-M35VAD		SUZ-M50VAD		SUZ-M60VAD		SUZ-M71VAD	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	3.5 (1.5-4.0)	4.0 (1.3-5.0)	5.0 (2.3-6.3)	6.0 (1.7-7.2)	6.0 (2.3-6.5)	7.0 (2.5-8.0)	7.1 (2.8-8.3)	8.0 (2.6-10.4)
Power Input	(kW)	1.01	1.11	1.40	1.66	1.73	2.00	2.14	2.22
Rated EER/COP		3.46	3.60	3.57	3.61	3.46	3.50	3.31	3.60
Rated AEER/ACOP		3.39	3.53	3.51	3.57	3.41	3.45	3.27	3.55
Power Supply		V: Single-phase, 50Hz, 230V							
Airflow (Lo–Mid–Hi)	m³/min	7-9-11		10-12.5-15		12-15-18		12-16-20	
	L/S	117-150-183		167-208-250		200-250-300		200-267-333	
External Static Pressure	Pa	5 / 15 / 35 / 50							
Sound Pressure Level	(dB)	23-28-33		30-34-37		30-34-38		30-35-40	
Dimensions	Height (mm)	200		200		200		200	
	Width (mm)	990		990		1190		1190	
	Depth (mm)	700		700		700		700	
Weight	(kg)	21		22		25.5		25.5	
Refrigerant Piping Max. Length/Height	(m)	20 / 12		30 / 30					

Refer to page 20 for outdoor specifications.

PKA Series

The large capacity PKA Series is both elegant and compact. With greater placement options and high airflow, PKA Series units are ideal for light commercial use (i.e. offices, stores, and server rooms).

R32

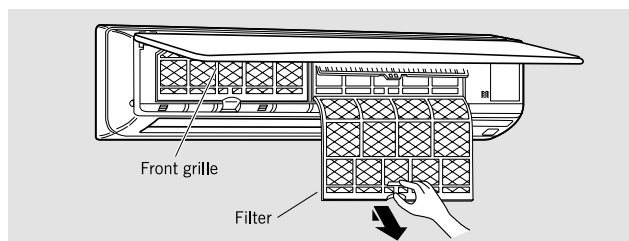## Suitable for Server Room Applications

The PKA Series provides an economical split system solution for high sensible applications due to their larger coil size. As a result they are ideal for applications such as server rooms and laboratories where there is a need for sensible cooling.

Increased Application Possibilities

Utilising PUZ Deluxe Outdoor Units, the PKA Series boasts an extended pipe run of up to 75m*[2] (up from 30m, offering up to 2.5 times the maximum piping length) compared to our M Series High Wall solutions.

Quick Clean Grille

The intake grille can easily slide out completely, allowing simple cleaning without any special tools; making it easy to clean in minutes by washing in water.

Front grille

Filter

Multiple Control Options

With the addition of a separately sold wired remote controller and terminal block, the PKA Series can be upgraded to allow a wider range of weekly timer settings, suiting various installation sites. At the same time, the PKA Series can be upgraded with optional Wi-Fi Control, allowing users to select a control solution that suits their requirements, and optimize energy efficiency with smart scheduling and room control.

Auto-Vane Shutter

The vane closes automatically when the unit is not running, creating a sleek flat finish that is aesthetically pleasing.

*[2] Based on PUZ-ZM100 Outdoor Unit. PUZ-ZM71 Outdoor Unit has a 50m maximum piping length (1.6 times compared to our M Series High Wall solutions).

Specifications: PKA High Wall Series

Refrigerant		R32			
Indoor Unit		PKA-M71KAL2		PKA-M100KAL2	
Outdoor Unit		PUZ-ZM71VHA2		PUZ-ZM100VKA2	
Function		Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)
Power Input	(kW)	1.86	2.12	2.81	3.10
Rated EER/COP		3.81	3.77	3.55	3.61
Rated AEER/ACOP		3.67	3.65	3.43	3.49
Power Supply		V: Single-phase, 50Hz, 230V			
Airflow (Lo–Mid–Hi)	m³/min	18-20-22		20-23-26	
	L/S	300-333-367		333-383-433	
Sound Pressure Level	(dB)	39-42-45		41-45-49	
Dimensions	Height	(mm)	365		
	Width	(mm)	1,170		
	Depth	(mm)	295		
Weight	(kg)	21			
Refrigerant Piping Max. Length/Height	(m)	50 / 30		75 / 30	

Refer to page 20 for outdoor specifications.

MLZ SlimFit Series

OPTIONAL
Wi-Fi
CONTROL

The SlimFit MLZ One-Way Cassette Series offer a compact and streamlined ceiling-mounted solution for unobtrusive comfort. Featuring a new design combined with advanced airflow options, the Slimfit MLZ Series is ideal for both home and office applications.

R32

Slim Body Design

MLZ SlimFit Series are designed with a slim body (only 185mm high), ensuring easy installation even when low ceiling cavities limit installation space e.g. within the interstitial space of multi-level dwellings. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.

185mm

Auto Vane Control

Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of draughts.

Up and Down   **Left and Right**
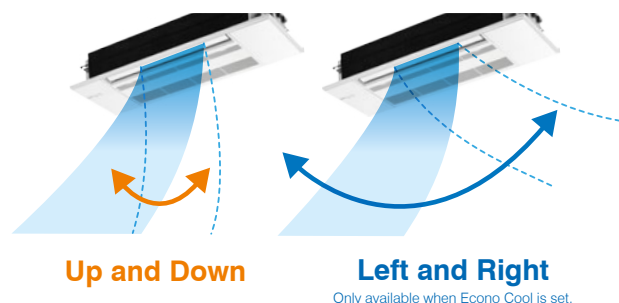Only available when Econo Cool is set.

Set Airflow According to Ceiling Height

Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when it is either too strong or too weak due to being mismatched with the height of the ceiling.

Capacity Class	25	35	50
Standard	2.4m	2.4m	2.4m
High Ceiling	2.7m	2.7m	2.7m

Horizontal Airflow

The new airflow control completely eliminates that uncomfortable draughty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

Specifications: SlimFit MLZ One-Way Ceiling Cassette Series

Refrigerant		R32					
Indoor Unit		MLZ-KP25VG		MLZ-KP35VG		MLZ-KP50VG	
Outdoor Unit		SUZ-M25VAD		SUZ-M35VAD		SUZ-M50VAD	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	2.5 (1.5-3.2)	3.2 (1.3-4.2)	3.5 (1.5-4.1)	4.1 (1.3-4.7)	5.0 (2.3-5.5)	6.0 (1.7-6.8)
Power Input	(kW)	0.59	0.79	0.90	1.13	1.37	1.83
Rated EER/COP		4.23	4.05	3.88	3.62	3.64	3.27
Rated AEER/ACOP		4.07	3.93	3.80	3.56	3.59	3.24
Power Supply		Single-phase, 50Hz, 230V					
Airflow	m³/min	6-7-8-8.5	6-7-8-9	6-7.5-8.5-9.5	6-7.5-8.5-10	6-8-9.5-11.5	6-8.5-10-12
	L/S	100-120-133-147	100-117-137-153	100-122-140-157	100-128-147-165	100-138-163-190	100-147-172-197
Sound Pressure Level	(dB)	27-31-34-38	26-29-34-37	27-32-36-40	26-32-36-40	29-36-41-47	26-37-42-48
Dimensions	Height (mm)	Unit: 185, Panel: 24					
	Width (mm)	Unit: 1102, Panel: 1200					
	Depth (mm)	Unit: 360, Panel: 424					
Weight (indoor)	(kg)	Unit: 15.5, Panel: 3.5					
Refrigerant Piping Max. Length/Height	(m)	20 / 12				30 / 30	

Refer to page 20 for outdoor specifications.

SLZ Series

The SLZ Compact Cassette Series provides a smart solution to comfortable and efficient heating and cooling. Combining a stylish square design with the latest energy-saving technologies, it is designed to fit flush into ceilings – making it ideal in both homes and commercial spaces.

R32

3D i-See Sensor

The 3D i-See Sensor works intuitively to detect the floor temperature and room occupancy; automatically switching to the optimal operating mode (including vane airflow direction) based on this information. With a total of eight sensors, which rotate a full 360° in three minute intervals, the 3D i-See Sensor is able to detect people's positions within the room to provide direct or indirect airflow, including having different settings for each individual airflow / vane direction, as preferred.

Find out more about this feature on page 19.

Stylish, Slimline Design

With an inconspicuous look that blends seamlessly into any room, the SLZ Series' pure white colour and compact, linear design is ideal for discreet heating and cooling. A recipient of the Good Design Award, the SLZ Series fits into narrow ceiling spaces with a height of only 245mm.

Low Noise Levels

The patented 3D turbo fan with two-stage blade structure ensures low noise operation, for a quieter comfortable environment. Starting from a hushed 25dBA*, the SLZ Series offers whisper quiet operation.

*SLZ-M25/35 indoor sound level on lowest fan speed.

Fresh Air Intake

A duct opening is provided in the main body making it possible to bring fresh air in directly, where it can then be heated to provide clean, refreshing comfort.

Customisable Airflow

The SLZ Series offers improved airflow control with the ability to set six different airflow / vane settings (auto, or 5 x fixed directional settings). At the same time, the SLZ Series allows the ability to independently control each vane's airflow pattern. The result? Fully customisable airflow management that helps eliminate uncomfortable draughts and/ or even air and temperature distribution across the entire space.

Multiple Control Options

The SLZ Series is available as either a Deluxe PAR Wired Wall Controller or Deluxe Wireless Infrared Handheld Controller option. At the same time, both options can be upgraded with optional Wi-Fi Control, allowing users to select a control solution that suits their requirements, and optimize energy efficiency with smart scheduling and room control.

Specifications: SLZ Compact Ceiling Cassette Series

Refrigerant			R32						
Indoor Unit			SLZ-M25FA		SLZ-M35FA		SLZ-M50FA		SLZ-M60FA	
Outdoor Unit			SUZ-M25VAD		SUZ-M35VAD		SUZ-M50VAD		SUZ-M60VAD	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)		(kW)	2.5 (1.5-3.5)	3.0 (1.3-4.1)	3.5 (1.5-4.0)	4.0 (1.3-5.0)	5.0 (2.3-5.5)	5.0 (1.7-5.5)	5.6 (2.3-6.7)	6.0 (2.5-7.6)
Power Input		(kW)	0.62	0.78	0.93	1.05	1.49	1.58	1.64	1.87
Rated EER/COP			4.03	3.85	3.76	3.80	3.35	3.16	3.41	3.20
Rated AEER/ACOP			3.88	3.73	3.68	3.73	3.31	3.12	3.35	3.16
Power Supply			Single-phase, 50Hz, 230V							
Airflow		m³/min	6.5-7.5-8.5		6.5-9-11.5		7-9-11.5		7.5-11.5-13	
		L/S	108-125-142		108-150-192		117-150-192		125-192-217	
Sound Pressure Level		(dB)	25-28-31		25-33-39		27-34-39		32-40-43	
Dimensions	Height	(mm)	Unit: 245, Panel: 10							
	Width	(mm)	Unit: 570, Panel: 625							
	Depth	(mm)	Unit: 570, Panel: 625							
Weight (indoor)		(kg)	Unit: 15, Panel: 3							
Refrigerant Piping Max. Length/Height		(m)	20 / 12				30 / 30			

Refer to page 20 for outdoor specifications.

PLA Series
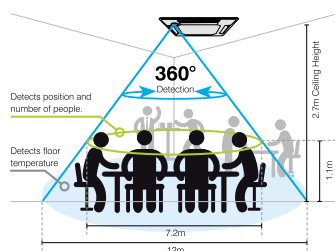
R32

The PLA Large Capacity Cassette Series with advanced airflow features and independent vane direction control, provides indoor comfort in a sleek unobtrusive design. Perfect for larger residential rooms or office spaces, the PLA Series provides consistent temperatures throughout the space you need to heat or cool.

3D i-See Sensor

The 3D i-See Sensor works intuitively to detect the floor temperature and room occupancy; automatically switching to the optimal operating mode (including vane airflow direction) based on this information. With a total of eight sensors, which rotate a full 360° in three minute intervals, the 3D i-See Sensor is able to detect people's positions within the room to provide direct or indirect airflow, including having different settings for each individual airflow / vane direction, as preferred. Find out more about this feature on page 19.

360° Detection

Detects position and number of people.

Detects floor temperature

2.7m Ceiling Height
1.1m
7.2m
12m

Sleek, Compact Design

The PLA Series features a sleek, square design with bevelled edges that provide a compact and modern finish.
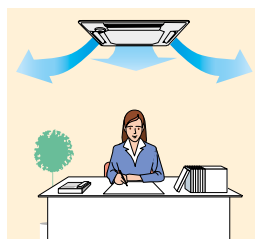
Customisable Airflow

The PLA Series offers improved airflow control with the ability to set six different airflow / vane settings (auto, or 5x fixed directional settings*[1]). At the same time, the PLA Series allows the ability to independently control each vane's airflow pattern. The result? Fully customisable airflow management that helps eliminate uncomfortable draughts and/or even air and temperature distribution across the entire space.
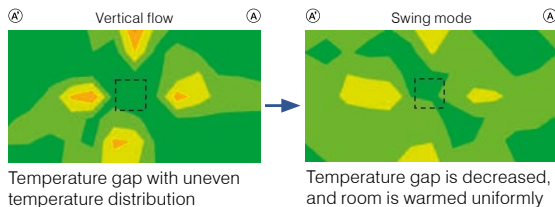
Horizontal flow

Fixed

Set by remote controller   Vertical flow
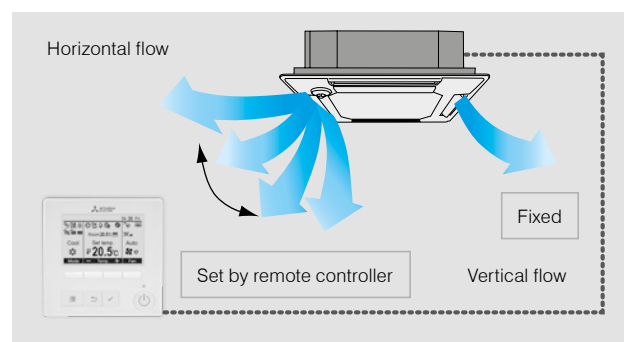
*[1] P Series Outdoor Unit connection only.

Specifications: PLA Ceiling Cassette Series

Refrigerant		R32												
Indoor Unit		PLA-M71EA2				PLA-M100EA2				PLA-M125EA2				PLA-M140EA2	
Outdoor Unit (Standard, Deluxe)		SUZ-M71VAD		PUZ-ZM71VHA2		PUZ-M100VKA		PUZ-ZM100VKA2		PUZ-M125VKA		PUZ-ZM125VKA2		PUZ-ZM140VKA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.0-10.6)	11.2 (2.8-12.5)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.8-13.0)	14.0 (4.1-15.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.5 (6.2-15.3)	16.0 (5.7-18.0)
Power Input	(kW)	1.87	2.17	1.78	2.03	2.88	2.98	2.43	2.94	3.46	3.85	3.55	3.58	3.93	4.48
Rated EER/COP		3.79	3.68	3.98	3.94	3.47	3.75	4.11	3.80	3.46	3.63	3.52	3.91	3.43	3.57
Rated AEER/ACOP		3.73	3.63	3.83	3.80	3.36	3.64	3.95	3.68	3.38	3.55	3.42	3.80	3.34	3.49
Power Supply		230V, Single-phase, 50Hz													
Airflow (Lo–Hi)	m³/min	16-17-19-21				19-23-26-29				21-25-28-31				24-26-29-32	
	L/S	267-283-317-350				317-383-433-483				350-417-467-517				400-433-483-533	
Indoor Sound Pressure Level	(dB)	28-30-32-34				31 - 34 - 37 - 40				33 - 37 - 41 - 44				36-39-42-44	
Dimensions	Height (mm)	Unit: 258, Panel: 40						Unit: 298, Panel: 40							
	Width (mm)	Unit:840, Panel: 950						Unit: 840, Panel: 950							
	Depth (mm)	Unit:840, Panel: 950						Unit: 840, Panel: 950							
Indoor Unit Weight	(kg)	Unit: 21, Panel:5				Unit: 24, Panel: 5				Unit: 27, Panel: 5					
Refrigerant Piping	Max. Length/Height	30/30		50/30		55 / 30		75 / 30		55 / 30		75 / 30			
Operation Range Outdoor	Cooling (°C)	-5(-15*²) ~ 52				-5(-15*²) ~ 46		-5(-15*²) ~ 52		-5(-15*²) ~ 46		-5(-15*) ~ 52			
	Heating (°C)	-15 ~ 24		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21			

*² With optional air protection guide. Refer to page 20 for outdoor specifications.

Wave Airflow Mode for Heating

Advanced control of vanes, called Wave Airflow, provides even greater heat distribution by periodically moving vanes up and down to provide a consistent temperature throughout the room.

Ⓐ Vertical flow Ⓐ Ⓐ Swing mode Ⓐ

Temperature gap with uneven temperature distribution

Temperature gap is decreased, and room is warmed uniformly

Standard or Deluxe Outdoor Units

The Standard Range of outdoor units, available in 10.0kW and 12.5kW, are the ideal economical solution for buildings or homes where extended pipe runs are not necessary. The Deluxe Outdoor Unit offers longer pipe runs, slightly lower Sound Pressure Levels and extended guaranteed heating down to -20°C.

Wide Airflow

PLA Series Cassettes utilise wide-angle outlets to distribute airflow to all corners of the room, ensuring the room is cooled/heated in an even manner.

Conventional model

PLA-M**EA
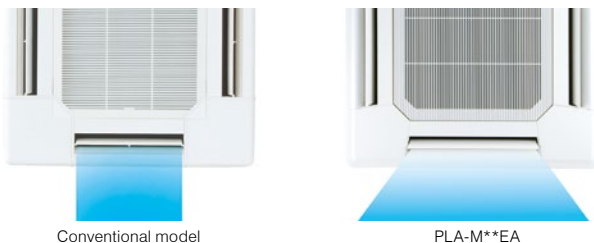
Both horizontal airflow and fan speed have been reduced by 20% compared to conventional models, contributing to increased comfort for occupants.

Auto Fan Speed Mode

The fan speed on PLA Series Cassettes is adjusted automatically, maintaining a comfortable environment at all times. At the start of operation, a high fan speed achieves quick heating/cooling of the room. Once the desired temperature is reached, the fan speed is reduced for stable, more efficient heating/cooling and greater comfort.

Grille Options

Wireless Grille options available in Pure White, and Wired Grille options available in Pure White and Black*³. Both the Wired Grille in Black and the Wired/Wireless Grille in White have the same sleek beveled design.

*³ Black Wired Grille does not include 3D i-Sensor functionality.

Optional 3D Harmony Upgrade

Introducing the new PLA 3D Harmony Cassette range for the ultimate in comfort. With the addition of horizontal louvers, it delivers 360° airflow in conjunction with Mitsubishi Electric's unique 3D i-See Sensor.

The 3D Harmony Series prevents draughts and short cycling, while offering fully customisable airflow to suit any room layout and occupant position. Ideal for larger residential rooms and office spaces.

1.2m
1.6m
2.0m
2.4m
2.8m
3.2m
3.6m
4.0m

Maximum 4m Automatic Elevation

Optional Automatic Grille Lowering Function

An Automatic Grille Lowering Function capable of stopping at eight different heights is available to simplify filter maintenance.

- The packaged elevating (up/down) controller in the grille (PLP-6EAJE) is compatible with both PUZ Series or SUZ Series Systems.

- The Wired PAR Remote Controller includes the Automatic Grille Lowering Function. This function is only available when the indoor unit is connected to the PUZ Series outdoor unit.
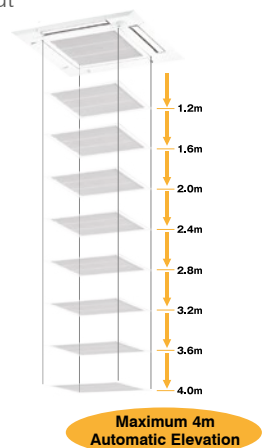
Multiple Control Options

The PLA Series Range is available as either a Deluxe PAR Wired Wall Controller or Deluxe Wireless Infrared Handheld Controller option. At the same time, both options can be upgraded with optional Wi-Fi Control, allowing users to select a control solution that suits their requirements, and optimize energy efficiency with smart scheduling and room control.

Other Features
- Stylish indoor unit vane covers (when unit is turned off)
- Quiet operation with improved airflow path and powerful high-capacity flow fan
- Built-in Drain Pump – maximum upward draining of 850mm
- Deluxe Wireless Remote Controller option available
- Duct flange for fresh-air intake
- Branch duct

PCA Series

OPTIONAL
Wi-Fi
CONTROL

The PCA Series high performance units are designed for style and efficiency. A stylish indoor unit design and airflow settings for both high and low-ceiling interiors expand installation possibilities. With four fan speed settings and auto air-speed adjustment, PCA Series units provide energy efficient comfort no matter the season.

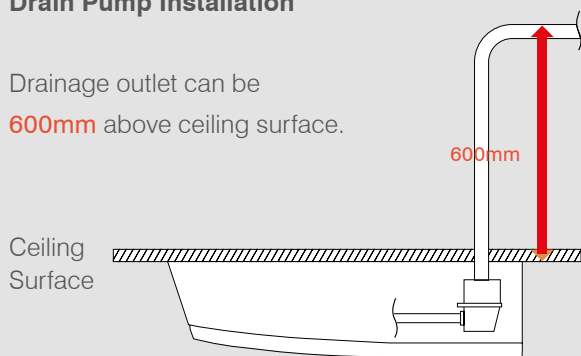### Stylish Indoor Unit Design

The stylish, sharp design of the PCA indoor unit blends in well with ceilings, for an unobtrusive installation.

Optional Drain Pump

The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choice of unit location during installation work.

Drain Pump Installation

Drainage outlet can be
600mm above ceiling surface.

600mm

Ceiling
Surface

Automatic Air-Speed Adjustment

Strong

Gentle

Start of
cooling/heating

After room
temperature is
stabilised
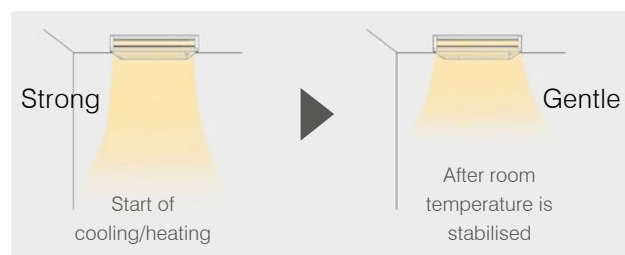
In addition to the conventional four fan speed settings, units are now equipped with an Automatic Air-Speed Adjustment Mode. This setting automatically adjusts the air-speed to conditions that match the room environment.

At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for comfortable heating/cooling operation.

Specifications: PCA Under-Ceiling Series

| Refrigerant		R32							
Indoor Unit		PCA-M71KA2		PCA-M100KA2		PCA-M125KA2		PCA-M140KA2	
Outdoor Unit		PUZ-ZM71VHA2		PUZ-ZM100VKA2		PUZ-ZM125VKA2		PUZ-ZM140VKA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.5 (6.2-15.3)	16.0 (5.7-18.0)
Power Input	(kW)	1.82	2.15	2.55	3.28	3.77	4.22	4.15	4.72
Rated EER/COP		3.90	3.72	3.92	3.41	3.31	3.31	3.25	3.38
Rated AEER/ACOP		3.75	3.60	3.77	3.31	3.22	3.24	3.17	3.31
Power Supply		V: Single-phase, 50Hz, 230V							
Airflow (Lo–Mid–Hi)	m³/min	16-17-18-20		22-24-26-28		23-25-27-29		24-26-29-32	
	L/S	267-283-300-333		367-400-433-467		383-417-450-483		400-433-483-533	
Sound Pressure Level	(dB)	35-37-39-41		37-39-41-43		39-41-43-45		41-43-45-48	
Dimensions	Height (mm)	230				230			
	Width (mm)	1,280				1,600			
	Depth (mm)	680				680			
Weight	(kg)	32		37		38		40	
Refrigerant Piping Max. Length/Height	(m)	50 / 30				75 / 30			

Refer to page 20 for outdoor specifications.

Fresh Outside Air Intake

Units are equipped with a knock-out hole that enables the induction of fresh outside air.

Outside Air Intake Characteristics

Static pressure (Pa) vs Airflow volume (m³/min)

- PCA-M100–140KA2
- PCA-M60/71KA2
- PCA-M50KA2
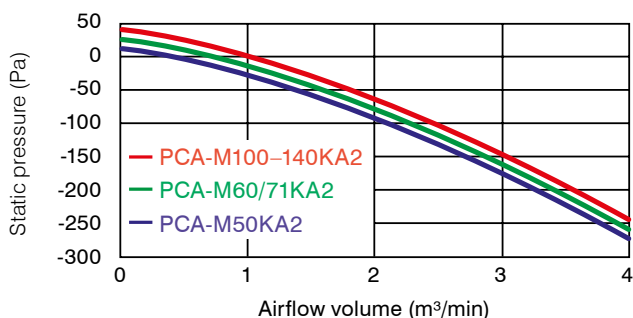
High/Low-Ceiling Modes

All PCA Series units are equipped with High and Low-Ceiling Operation Modes, that make it possible to switch the airflow volume to match room height. The ability to choose the optimum airflow volume makes it possible to optimise the breezy sensation felt throughout the room.

Capacity	High ceiling	Standard ceiling	Low ceiling
PCA-M50	3.5m	2.7m	2.5m
PCA-M60	3.5m	2.7m	2.5m
PCA-M71	3.5m	2.7m	2.5m
PCA-M100	4.2m	3.0m	2.6m
PCA-M125	4.2m	3.0m	2.6m
PCA-M140	4.2m	3.0m	2.6m

Specifications: PCA Under-Ceiling Series

Refrigerant		R32				
Indoor Unit		PCA-M50KA2		PCA-M60KA2		PCA-M71KA2
Outdoor Unit		SUZ-M50VAD		SUZ-M60VAD		SUZ-M71VAD
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	5.0 (2.3-6.0)	6.0 (1.7-7.0)	6.0 (2.3-6.5)	7.0 (2.5-8.0)	7.1 (2.8-8.1)	8.0 (2.6-10.2)
Power Input	(kW)	1.28	1.65	1.60	1.72	1.98	2.24
Rated EER/COP		3.90	3.63	3.75	4.06	3.58	3.57
Rated AEER/ACOP		3.84	3.59	3.68	4.00	3.53	3.52
Power Supply		V: Single-phase, 50Hz, 230V					
Airflow (Lo–Mid–Hi)	m³/min	10-11-13-15		15-16-17-19		16-17-18-20	
	L/S	167-183-217-250		250-267-283-317		267-283-300-333	
Sound Pressure Level	(dB)	32-34-37-40		33-35-37-40		35-37-39-41	
Dimensions	Height (mm)	230		230			
	Width (mm)	960		1,280			
	Depth (mm)	680		680			
Weight	(kg)	26		32			
Refrigerant Piping Max. Length/Height	(m)	30 / 30					

Refer to page 20 for outdoor specifications.

Specifications: PCA-M71HA Under-Ceiling (Stainless Steel Indoor)

Refrigerant		R32	
Indoor Unit		PCA-M71HA2	
Outdoor Unit		PUZ-ZM71VHA2	
Function		Cooling	Heating
Capacity (min.–max.)	(kW)	7.1 (3.3-8.1)	7.6 (3.5-10.2)
Power Input	(kW)	2.02	2.17
Rated EER/COP		3.51	3.50
Rated AEER/ACOP		3.39	3.39
Power Supply		V: Single-phase, 50Hz, 230V	
Airflow (Lo–Mid–Hi)	m³/min	16-18	
	L/S	267-300	
Sound Pressure Level	(dB)	37-39	
Dimensions	Height (mm)	280	
	Width (mm)	1136	
	Depth (mm)	650	
Weight	(kg)	42	
Refrigerant Piping Max. Length/Height	(m)	50 / 30	

Refer to page 20 for outdoor specifications.

Controllers

Wall Mounted 7-Day Controller

The PAR Controller allows you to program up to eight stop/start patterns per day for up to seven days at a time. With an easy to read full dot LCD backlit screen, simple menu format and a variety of operation control functions, temperature monitoring and management is available at the touch of a button.

PAR-*MAA

Optional Touch Panel Controller

The PAR-CT01 features a 3.5" HVGA Full Colour LCD touch panel screen, allowing 180 different colour patterns to be selected for control parameters or background. A simple operation panel is available to display only ON/OFF, set temperature and fan speed – ideal for hotels. Your company logo or image can be displayed on the screen and there is the ability to control two spaces and communicate with a smart phone or tablet device via Bluetooth.

PAR-CT01

Optional Wall Mounted Zone Controller

The PAC-ZC40~80 Zone Controller brings expanded functionality and interaction to realise even greater energy savings. With the ability to control up to eight zones*[1], equipped with automatic unloading/ramping and three built-in sensor functions (temperature, occupancy, brightness), the Zone Controller brings intuitive, yet simple control to a whole new level.

PAC-ZC40(H/L)-E

Temperature Sensor

Sensing the return air of the indoor ducted unit is not always ideal. With an inbuilt thermostat (PAR-ZC01ME-E Wall Controller) the Zone Controller allows the actual usable space temperature to be measured, offering a more realistic and timely temperature measurement where it is needed most.

*[1] P Series Outdoor Unit connection only.

Optional Wall Mounted Simple Controller

The PAC-YT52CRA Simple Controller provides simplified usage, with controls limited to ON/OFF, Mode, Room Temperature, Fan Speed and additional Vane Control for cassettes and high walls. The backlit LCD screen provides easy operation in dark conditions, and the slim flat-back shape makes for a simple installation.

PAC-YT52CRA

Optional Wi-Fi Zone Control

With the addition of award-winning Mitsubishi Electric Wi-Fi Control, the Zone Controller's capabilities are expanded even further. Advanced temperature monitoring and management, customisable operation and expanded functionality are available in the palm of your hand with the Wi-Fi Control App.

Now you can control and monitor ducted heat pump zones in real time from absolutely anywhere via your smartphone, tablet or online account; for the ultimate in total comfort.

OPTIONAL Wi-Fi CONTROL

Occupancy Sensor

Incorporating a built-in Occupancy Sensor, the Zone Controller (via the PAR-ZC01ME-E Wall Controller) constantly monitors the usable area to detect vacancy. Once detected, the Zone Controller implements one of four user-defined energy-saving control options to reduce energy consumption; turn the unit ON/OFF, lower the fan speed, temperature offset, or turn user designated zones ON/OFF.

Brightness Sensor

Working in conjunction with the Occupancy Sensor, the Brightness Sensor can be set to maximise energy savings when it detects user defined "Light" or "Dark" conditions (lux values).

Backlit LCD Touch Screen

Featuring a backlit LCD screen for operation in dark conditions, and a user-defined LED indicator that lights up to indicate the current operation mode i.e. red for heating, blue for cooling, green for night setback – operation management is clear and simple.
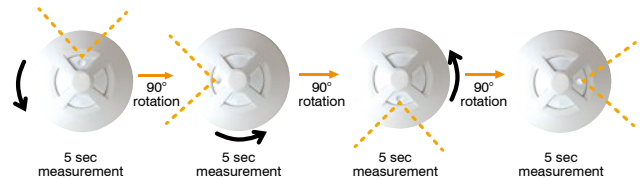
Advanced Feature

i-see Sensor

3D i-See Sensor – PLA and SLZ Cassette Series

360° Temperature Monitoring

Equipped with eight, built-in intuitive sensors, the 3D i-See Sensor function is an infrared-based sensor that monitors floor-level temperatures throughout the room. The 3D i-See Sensor works to ensure even temperature distribution and maximise room comfort through 360° sensing that covers the whole floor space; giving a more accurate and even temperature reading and improving energy efficiency.

90° rotation — 90° rotation — 90° rotation

5 sec measurement — 5 sec measurement — 5 sec measurement — 5 sec measurement

*2 The sensor rotates 360° once every three minutes when there is significant temperature disparity and once every five minutes when a stable, even temperature has been reached.

3D i-See Sensor Operation

The 3D i-See Sensor rotates 360° every three minutes*2, taking five second measurements at each position to accurately determine floor-level temperatures on all sides of the room. The 3D i-See Sensor calculates the temperature by measuring the infrared rays emanating from the walls and floors.

Highly Accurate Occupancy Direction

Once a person is detected, the angle of the vane is automatically adjusted. Each vane can be independently set by the user to "Direct Airflow" or "Indirect Airflow".

Direct/Indirect setting

1	
4	2	1: Direct
		2: Indirect
3		3: Indirect
		4: Direct

Select: ✓
— Outlet +   Angle

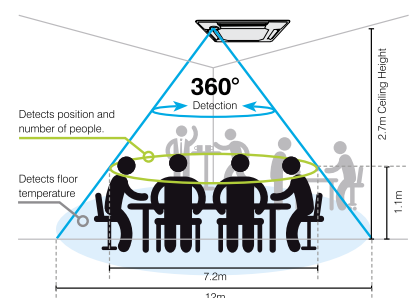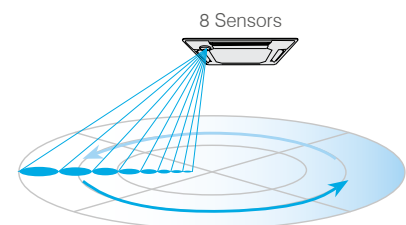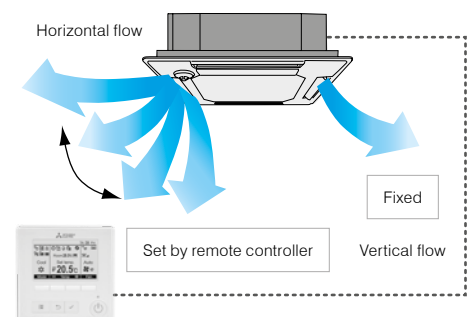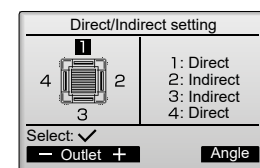### Even Airflow – Airflow Only Where You Need It

With Even Airflow Mode, the 3D i-See Sensor memorises people's movements and furniture positions, efficiently distributing airflow only to where it is needed.

Independent Vane Direction Setting

With the ability to independently control each vane's airflow pattern, PLA Series Cassettes are perfect for both residential and office/commercial environments. At the same time, the PLA Series allows the ability to independently control each vane's airflow pattern. The result? Fully customisable airflow management that helps eliminate uncomfortable draughts and/or even air and temperature distribution across the entire space.

Horizontal flow

Fixed

Set by remote controller   Vertical flow

Detect Number of People – No Occupancy Energy Savings

The 3D i-See Sensor detects the number of people in the room and adjusts the system's power accordingly. This makes automatic power-saving operation possible in places where the number of people changes frequently. When the area is continuously unoccupied, the system switches to a more enhanced power-saving mode i.e. In No Occupancy Energy Saving Mode, the unit automatically reduces power consumption by approximately 10% after ten minutes, and 20% after 60 minutes; or when in No Occupancy Auto-Off Mode, the unit turns off automatically (Auto-Off able to be set based on between 60-180 minutes no occupancy duration, as required).

8 Sensors

360° Detection

Detects position and number of people.

Detects floor temperature

2.7m Ceiling Height

1.1m

7.2m

12m

Outdoor Unit Specifications

Outdoor Unit		SUZ-M25VAD	SUZ-M35VAD	SUZ-M50VAD	SUZ-M60VAD	SUZ-M71VAD	PUZ-ZM71VHA2
REFRIGERANT		R32					
External Finish		Munsell 3.0Y 7.8 / 1.1					
Power Supply		Single-phase, 50Hz, 230V					
Compressor Output	(kW)	0.47	0.66	0.90	0.90	1.20	1.30
Airflow (Cooling/Heating)	m³/min(L/S)	36.3 (605) / 34.6 (577)	34.3 (572) / 32.7 (545)	45.8 (763) / 43.7(728)	50.1 (835) / 50.1 (835)	50.1 (835) / 50.1 (835)	55 (915)
Sound Pressure Level (Cooling/Heating)	(dB)*[1]	45 / 46	48 / 48	48 / 49	49 / 51	49 / 51	47 / 51
Sound Power Level	(dB)	59	63	66	68	68	67
Dimensions (H x W x D)	(mm)	550x800x285	550x800x285	714x800x285	880x840x330	880x840x330	943x950x330+25*[2]
Weight	(kg)	30	35	41	54	55	70
Piping Length (Chargeless/ Max.)	(m)	7 / 20	7 / 20	7 / 30	7 / 30	7 / 30	30 / 50
Breaker Size	(A)	10	10	20	20	20	25

Outdoor Unit		PUZ-M100VKA	PUZ-M125VKA	PUZ-M140VKA	PUZ-ZM100VKA2	PUZ-ZM125VKA2	PUZ-ZM140VKA2
REFRIGERANT		R32					
External Finish		Munsell 3.0Y 7.8 / 1.1					
Power Supply		Single-phase, 50Hz, 230V					
Compressor Output	(kW)	1.5	2.5				
Airflow (Cooling/Heating)	m³/min(L/S)	79 (1317)	86 (1433)	120 (1996)	110 (1831)	120 (1996)	
Sound Pressure Level (Cooling/Heating)	(dB)*[1]	52 / 54	54 / 56	53 / 54	49 / 51	50 / 52	
Sound Power Level (Cooling/Heating)	(dB)	71 / 72	72 / 74	71 / 72	69 / 69	70 / 70	70 / 71
Dimensions (H x W x D)	(mm)	981x1050x330+40*[2]		1338x1050x330+40*[2]	1338x1050x330+40*[2]		
Weight	(kg)	76	84	99	114		
Piping Length (Chargeless/ Max.)	(m)	30 / 55			30 / 75		
Protection Device		Comp. surface thermo, HP Switch			H.P switch, shell thermistor, over current detection, thermal protector		
Breaker Size	(A)	32		40	32		40

Outdoor Unit		PUZ-ZM160VKA	PUZ-ZM180VKA	PUZ-ZM200YKA	PUZ-ZM250YKA
REFRIGERANT		R32			
External Finish		Munsell 3.0Y 7.8 / 1.1			
Power Supply		Single-phase, 50Hz, 230V			
Compressor Output	(kW)	3.6		3.8	4.7
Airflow (Cooling/Heating)	m³/min(L/S)	140 (2333)			
Sound Pressure Level (Cooling/Heating)	(dB)*[1]	58/59	58/60	60/60	
Sound Power Level (Cooling/Heating)	(dB)	74/75	74/76	75/76	
Dimensions (H x W x D)	(mm)	1338x1050x330+40*[2]			
Weight	(kg)	115		136	139
Piping Length (Chargeless/ Max.)	(m)	30 / 75		30 / 100	
Protection Device		H.P switch, shell thermistor, over current detection, thermal protector			
Breaker Size	(A)	40		32	

Note: Above specifications are for outdoor units only.

*[1] Sound pressure measurements were conducted in an anechoic chamber. The actual noise level depends on the distance from the unit and the acoustic environment.

*[2] Grille depth.

Amount of Required Refrigerant (R32: kg)

AMOUNT OF REQUIRED REFRIGERANT R32:KG						
Piping Length	**Factory Charged (kg)**	**Additional Charge (kg)**				
	7m	**10m**	**15m**	**20m**	**25m**	**30m**
SUZ-M25	0.65	0.06	0.16	0.26	-	-
SUZ-M35	0.9	0.06	0.16	0.26	-	-
SUZ-M50	1.2	0.06	0.16	0.26	0.36	0.46
SUZ-M60	1.25	0.06	0.16	0.26	0.36	0.46
SUZ-M71	1.45	0.12	0.32	0.52	0.72	0.92

Piping Length	**Factory Charged (kg)**	**Additional Charge (kg)**				
	30m	**40m**	**50m**	**60m**	**70m**	**75m**
PUZ-ZM71	2.80	0.40	0.80	-	-	-
PUZ-M100	3.10	0.40	0.80	-	-	-
PUZ-M125	3.60	0.40	0.80	-	-	-
PUZ-M140	4.00	0.00	0.00	-	-	-
PUZ-ZM100/125/140	4.00	0.40	0.80	1.20	-	1.80
PUZ-ZM160	5.00	0.70	1.40	2.10	2.10	2.10
PUZ-ZM180	5.00	0.70	1.40	2.10	2.10	2.10

Piping Length	**Factory Charged (kg)**	**Additional Charge (kg)**			
	50m	**60m**	**70m**	**75m**	**100m**
PUZ-ZM200	5.50	0.70	1.40	1.80	2.10
PUZ-ZM250	6.50	0.90	1.80	2.30	2.80

Refrigerant Piping

Capacity	Between Indoor and Outdoor Units		Pipe Size OD (mm – in.)	Thickness (mm)
	Max. Height Difference (m)	**Max. Piping Length (m)**		
SUZ-M25/35	12	20	Liquid: Ø 6.35 – 1/4"	t 0.8
			Gas: Ø 9.52 – 3/8"	t 0.8
SUZ-M50	30	30	Liquid: Ø 6.35 – 1/4"	t 0.8
			Gas: Ø 12.7 – 1/2"	t 0.8
SUZ-M60	30	30	Liquid: Ø 6.35 – 1/4"	t 0.8
			Gas: Ø 15.88 – 5/8"	t 1.0
SUZ-M71	30	30	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 15.88 – 5/8"	t 1.0
PUZ-ZM71	30	50	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 15.88 – 5/8"	t 1.0
PUZ-M100/125/140	30	55	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 15.88 – 5/8"	t 1.0
PUZ-ZM100/125/140	30	75	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 15.88 – 5/8"	t 1.0
PUZ-ZM160/180	30	75	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 19.05 – 3/4"	t 1.0
PUZ-ZM200	30	100	Liquid: Ø 9.52 – 7/8"	t 1.0
			Gas: Ø 22.2 – 7/8" / 25.4 (1)*3	t 1.0
PUZ-ZM250	30	100	Liquid: Ø 12.70 – 4/8"	t 0.8
			Gas: Ø 22.2 – 7/8" / 25.4 (1)*3	t 1.0

*3 If the pipe length is 50 m or more, a gas pipe of ø25.4 is required.

Note: Above specifications are for outdoor units only.

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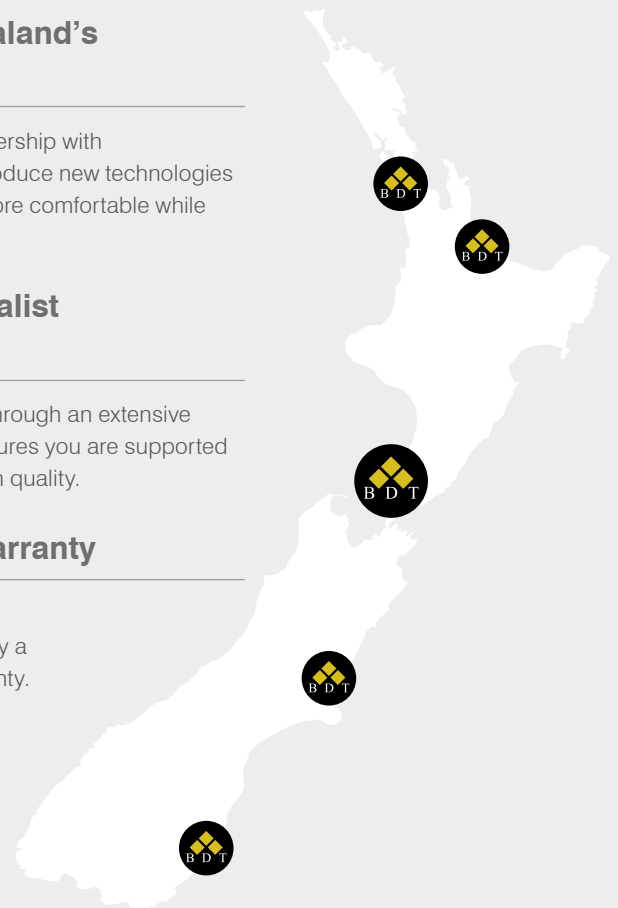
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