

# 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!



Our extended Mr Slim Range now offers a wide selection of market leading R32 solutions. The new 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.



### Benefits of R32 compared to R410A

- ✓ 66% lower GWP of 675
- ✓ More environmentally friendly
- ✓ 20% less refrigerant volume requirement
- ✓ Overall higher system efficiency



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.

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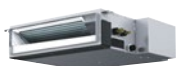
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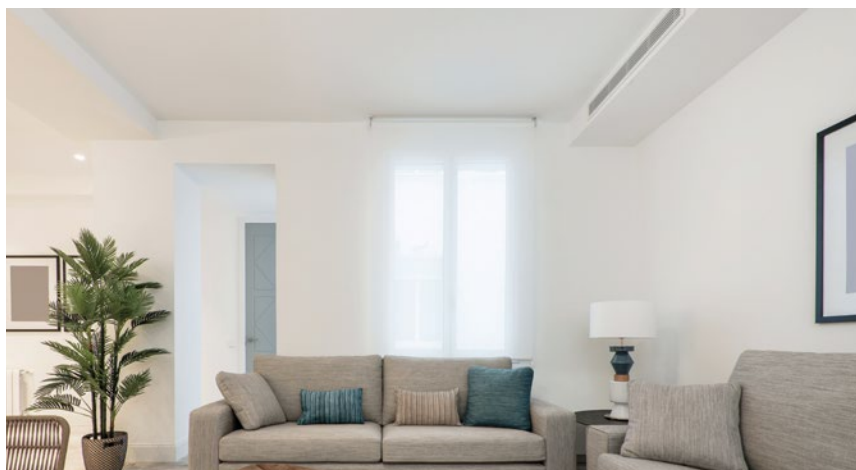


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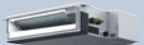
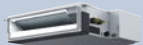
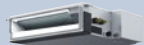

















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# Mr.SLIM Product Line-Up

		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 Series					
	PEA Splittable Series					
Ceiling Concealed	SEZ Series		 SEZ-M35DA	 SEZ-M50DA	 SEZ-M60DA	 SEZ-M71DA
High Wall	PKA Series					
Ceiling Cassette	MLZ Series	 MLZ-KP25VF	 MLZ-KP35VF	 MLZ-KP50VF		
	SLZ Series	 SLZ-M25FA	 SLZ-M35FA	 SLZ-M50FA	 SLZ-M60FA	
	PLA Series					 PLA-M71EA
Under Ceiling	PCA Series			 PCA-M50KA	 PCA-M60KA	 PCA-M71KA
Outdoor Unit		 SUZ-M25VAD	 SUZ-M35VAD	 SUZ-M50VAD	 SUZ-M60VAD	 SUZ-M71VAD

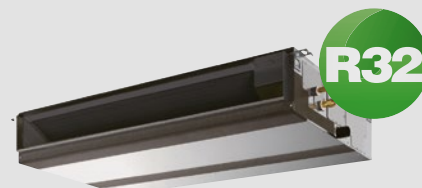
7.1kW	10.0kW	12.5kW	14.0kW	16.0kW	18.9kW	22.0kW
R32	R32	R32	R32	R410A	R410A	R410A
 PEAD-M71JAA	 PEAD-M100JAA	 PEAD-M125JAA	 PEAD-M140JAA			
	 PEA-M100GAA	 PEA-M125GAA	 PEA-M140GAA	 PEA-RP170WJA	 PEA-RP200WJA	 PEA-RP250WHA
	 PEA-M100HAA	 PEA-M125HAA	 PEA-M140HAA			
 PKA-M71KAL	 PKA-M100KAL					
 PLA-M71EA	 PLA-M100EA	 PLA-M125EA	 PLA-M140EA			
  PCA-M71KA PCA-M71HA	 PCA-M100KA	 PCA-M125KA	 PCA-M140KA			
 PUZ-ZM71VHA	 PUZ-ZM100VKA (Deluxe)  PUZ-M100VKA (Standard)	 PUZ-ZM125VKA (Deluxe)  PUZ-M125VKA (Standard)	 PUZ-ZM140VKA (Deluxe)  PUZ-M140VKA (Standard)	 PUZ-RP170VKA	 PUZ-RP200YKA	 PUHZ-RP250YKM



# 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 System is an energy recovery ventilation solution that can be integrated with a Ducted Heat Pump System. The two systems will work together to further increase energy savings while ventilating your home to remove stale air and help control moisture. The Lossnay System will recover the energy from stale air to pre-heat or pre-cool incoming fresh air, reducing the amount of additional heating or cooling required. Both systems can be controlled from one central wall mounted controller for optimum ease of use.



## 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.



## Optional Plasma Quad Connect for Cleaner, Healthier Air

Designed to integrate with your existing PEAD Ducted Heat Pump\*, this high-performance two-stage advanced air filtration module, cleans and minimises dust and other allergens for better indoor air quality, all year round.

This advanced filtration system works to clean away viruses including Covid-19\*\* as well as smells, dust, mould and other common allergens – providing the ultimate in peace of mind and ensuring a healthier and cleaner environment.

\* Requires additional attachments.

\*\*PQC Electrode Collection Plate, Test Chamber Lab – Test No. 20KB070569, Microbial Testing Laboratory Kobe Testing Center Japan Textile Products Quality and Technology Center.

Specifications: PEAD Ducted Series

Refrigerant			R32							
Indoor Unit			PEAD-M50		PEAD-M60		PEAD-M71			
Outdoor Unit (Standard, Deluxe)			SUZ-M50		SUZ-M60		SUZ-M71		PUZ-ZM71	
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	3.63	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 - 33 - 38	
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)	-15 ~ 52				-5(-15*) ~ 52			
	Heating	(°C)	-15 ~ 24				-20 ~ 21			

\*With optional air protection guide.

Refer to page 20 for outdoor specifications.

Specifications: PEAD Ducted Series

Refrigerant			R32											
Indoor Unit			PEAD-M100				PEAD-M125				PEAD-M140			
Outdoor Unit			PUZ-M100		PUZ-ZM100		PUZ-M125		PUZ-ZM125		PUZ-M140		PUZ-ZM140	
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	3.60	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)	-15 ~ 46		-5(-15*) ~ 52		-15 ~ 46		-5(-15*) ~ 52		-15 ~ 46		-5(-15*) ~ 52	
	Heating	(°C)	-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21	

\*With optional air protection guide.

Refer to page 20 for outdoor specifications.

# PEA Series

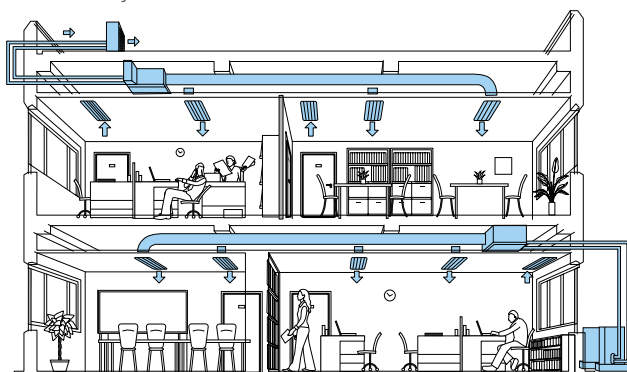
OPTIONAL  
**Wi-Fi**  
CONTROL

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.



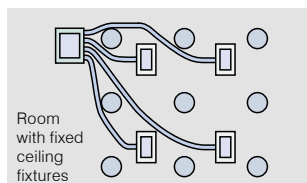
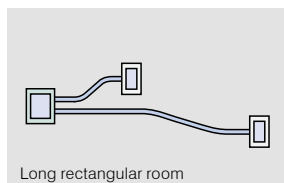
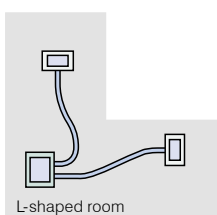
## Flexible Duct Design Enables Use of High-Pressure Static Fan

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.



## Next-Generation R32 Technology

We offer a wide selection of market leading R32 Solutions in addition to a base range of R410A models. The new R32 range additions feature the latest in super-efficient and more environmentally friendly R32 refrigerant, enabling the integration of more cost savings into any HVAC design. Furthermore, the new R32 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.

## 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.

## Large-Capacity PEA-RP170/200/250

For greater room capacities, these units provide easier handling with two-piece construction and increased variation in airflow; ensuring operation that suits most room layouts.

## Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay System is an energy recovery ventilation solution that can be integrated with a Ducted Heat Pump System. The two systems will work together to further increase energy savings while ventilating your home to remove stale air and help control moisture. The Lossnay System will recover the energy from stale air to pre-heat or pre-cool incoming fresh air, reducing the amount of additional heating or cooling required. Both systems can be controlled from one central wall mounted controller for optimum ease of use.

## 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: PEA-GAA Ducted Series

Refrigerant			R32											
Indoor Unit			PEA-M100GAA				PEA-M125GAA				PEA-M140GAA			
Outdoor Unit (Standard, Deluxe)			PUZ-M100VKA		PUZ-ZM100VKA-A		PUZ-M125VKA		PUZ-ZM125VKA-A		PUZ-M140VKA		PUZ-ZM140VKA-A	
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	4.28	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*) ~ 46		-5(-15*) ~ 52		-5(-15*) ~ 46		-5(-15*) ~ 52		-5(-15*) ~ 46		-5(-15*) ~ 52	
	Heating	(°C)	-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21	

\*With optional air protection guide.

Refer to page 20 for outdoor specifications.

Specifications: PEA Ducted Series

Refrigerant			R410A					
Indoor Unit			PEA-RP170WJA		PEA-RP200WJA		PEA-RP250WHA	
Outdoor Unit			PUZ-RP170VKA-A		PUZ-RP200YKA		PUHZ-RP250YKM	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)		16.0 (9.0-19.5)	20.0 (9.5-22.4)	18.9 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-27.0)	25.0 (12.5-29.0)
Power Input	(kW)		4.94	6.00	5.92	6.89	6.11	6.89
Rated EER/COP			3.23	3.33	3.19	3.25	3.60	3.62
Rated AEER/ACOP			3.16	3.26	3.11	3.18	3.27	3.37
Power Supply			Single-phase, 50Hz, 230V			Three-phase, 50Hz, 400V		
Airflow (Lo–Hi)	m³/min		50-61-72				58-71-84	
	L/S		833-1017-1200				967-1183-1400	
Indoor Sound Pressure Level	(dB)		38-41-44				40-43-46	
External Static Pressure Pa			60 / 75 / 100 / 150					
Dimensions	Height	(mm)	470					
	Width	(mm)	1370					
	Depth	(mm)	1120					
Weight	(kg)		108					
Refrigerant Piping	Max. Length/Height		75 / 30					
Operation Range Outdoor	Cooling	(°C)	-5(-15*) ~ 52				-5 ~ 46	
	Heating	(°C)	-20 ~ 21				-20 ~ 15.5	

\*With optional air protection guide.

Refer to page 20 for outdoor specifications.

# PEA Splittable Series

OPTIONAL  
**Wi-Fi**  
CONTROL

The PEA-HAA 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.

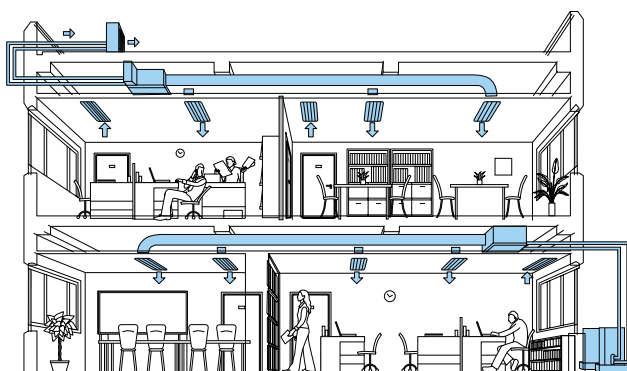


## Flexible Install Options

The PEA-HAA 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-HAA Series an ideal solution for re-modelling of existing homes into roof trusses.

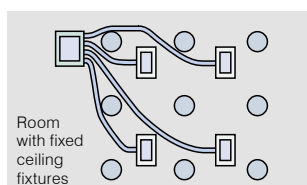
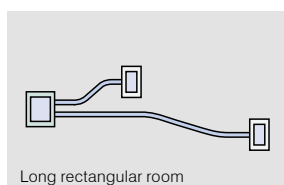
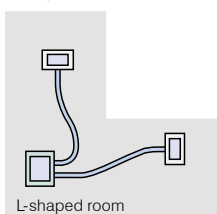
## Flexible Duct Design with High Static Pressure Fan

With a range of external static pressure settings from 50Pa–150Pa, the PEA-M HAA Series offer high airflow rates for whole home comfort, with complete flexibility in duct design.



## Versatile and Easy Maintenance

The PEA-HAA Splittable Ducted System model offers versatility and easy maintenance options. The convenient two-way access to the fan deck assembly and drain pan means that even when the unit is installed near the ceiling and inaccessible from underneath, the unit is accessible from another side.



## Standard or Deluxe Outdoor Units

This model also offers 3 capacities to choose from; 10.0kW, 12.5kW and 14.0kW. Compatible with either a Standard or Deluxe Outdoor Unit, there are six possible system combinations 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.

## Next-Generation R32 Technology

PEA-M HAA Splittable Ducted Systems feature the latest in super-efficient and more environmentally friendly R32 refrigerant. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

## Low Noise Levels

Starting at a hushed 29dBA on its lowest fan speed setting, the PEA-M HAA offers unobtrusive, quiet comfort. Furthermore, the PUZ-ZM outdoor unit operating noise level starts at a discreet 49dBA\*.

## Optional Lossnay Fresh Air Ventilation

The Mitsubishi Electric Lossnay System is a heat recovery ventilation solution that can be integrated with the PEA-M HAA. The two systems work together to further increase energy savings while ventilating your home to remove stale air and help control moisture. The Lossnay System will recover the energy from stale air to pre-heat and pre-cool incoming fresh air, reducing the amount of additional heating or cooling required. Both systems can be controlled from one central wall mounted controller for optimum ease of use.

## 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.

\*In Cooling Mode.

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: PEA-HAA Ducted Series

Refrigerant		R32											
Indoor Unit		PEA-M100HAA				PEA-M125HAA				PEA-M140HAA			
Outdoor Unit (Standard, Deluxe)		PUZ-M100VKA-A		PUZ-ZM100VKA-A		PUZ-M125VKA-A		PUZ-ZM125VKA-A		PUZ-M140VKA-A		PUZ-ZM140VKA-A	
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)	3.02	3.24	2.65	2.71	3.78	3.44	3.50	3.40	4.24	3.85	4.19	3.97
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
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	3.92
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							
External Static Pressure		(Pa)				50 / 100 / 150							
Dimensions	Height	(mm)				380							
	Width	(mm)				1405							
	Depth	(mm)				900							
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*) ~ 46		-5(-15*) ~ 52		-5(-15*) ~ 46		-5(-15*) ~ 52		-5(-15*) ~ 46	
	Heating	(°C)		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21	

\*With optional air protection guide.

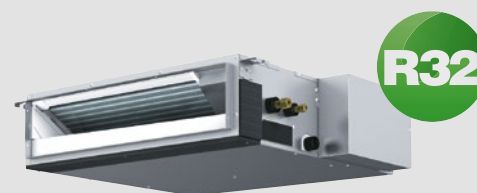
Refer to page 20 for outdoor specifications.



# SEZ Series

OPTIONAL  
**Wi-Fi**  
CONTROL

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.



## 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\*.

## 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. The long-life filter in the SEZ Series indoor units can be used for approximately 2,500 hours before requiring replacement.

## Easy Installation

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

\*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	

Refer to page 20 for outdoor specifications.



# PKA Series

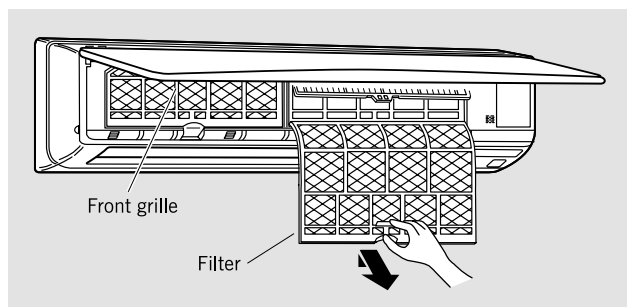
The large capacity PKA Series is both elegant and compact. With greater placement options and high airflow, PKA Series units are ideal for light commercial use (i.e. offices, stores, and server rooms).



**R32**

## 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.



## Wired Remote Controller Available (Optional)



A separately sold wired remote controller and terminal block are available to suit various installation sites. When connecting a wired remote controller the MAC-334IF-E interface is not required.

## Auto-Vane Shutter

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

## 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.

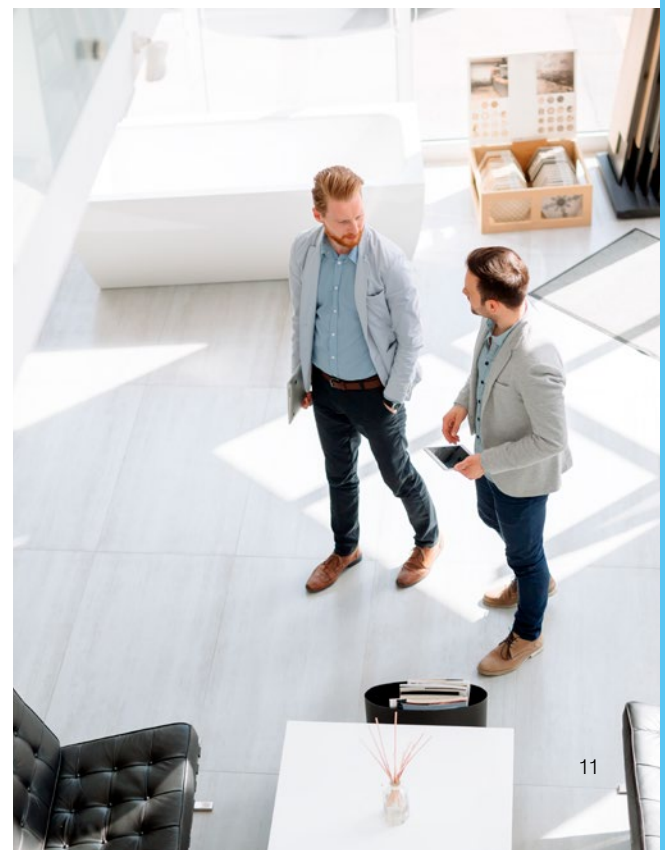
## Drain Pump Option

Installation of a drain pump enables a drain outlet as high as 800mm above the base of the indoor unit. Drain water can be discharged easily even if the surface where the wall-mounted unit does not have direct access outside; increasing the degree of freedom for installation.

Specifications: PKA High Wall Series

Refrigerant		R32			
Indoor Unit		PKA-M71KAL		PKA-M100KAL	
Outdoor Unit		PUZ-ZM71VHA		PUZ-ZM100VKA	
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		3.61	3.60	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		39-42-45		41-45-49	
Dimensions	Height (mm)	365			
	Width (mm)	1,170			
	Depth (mm)	295			
Weight	(kg)	21			

Refer to page 20 for outdoor specifications.



# SlimFit MLZ 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.



## Slim Body Design

The units are designed with a slim body (only 185mm high), ensuring easy installation even when low ceiling cavities limit installation space. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.



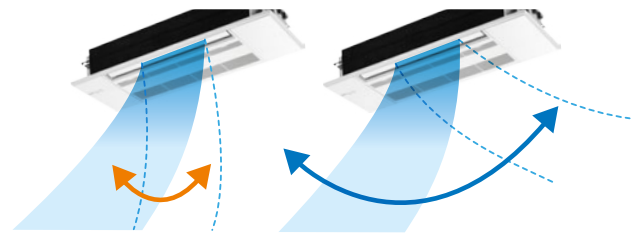
## Set Airflow According to Ceiling Height

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

## 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.

## 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-KP25VF		MLZ-KP35VF		MLZ-KP50VF	
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	m <sup>3</sup> /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	Unit: 185, Panel: 24					
	Width	Unit: 1102, Panel: 1200					
	Depth	Unit: 360, Panel: 424					
Weight (indoor)	(kg)	Unit: 15.5, Panel: 3.5					

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.



## 3D i-See Sensor

The 3D i-See Sensor works to detect the floor temperature and how many people are present in the room; automatically switching to the optimal operating mode 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, 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.

## Horizontal Airflow

The SLZ Series eliminates uncomfortable draughts and provides improved airflow control with six different discharge functions.

The air discharge channels provide a lateral airflow advantage; ensuring users are not susceptible to airflow and air is discharged evenly across the entire space.

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							

Refer to page 20 for outdoor specifications.

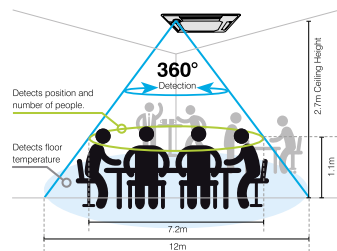
# PLA Series

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 PLA Series comes standard with 3D i-See Sensor Technology. The 3D i-See Sensor works to detect the floor temperature and how many people are present in the room automatically switching to the optimal operating mode. With a total of eight sensors which rotate a full 360° in three minute intervals, it is able to detect people's position in the room to provide direct or indirect airflow as preferred. Find out more about this feature on page 19.



## Horizontal Airflow

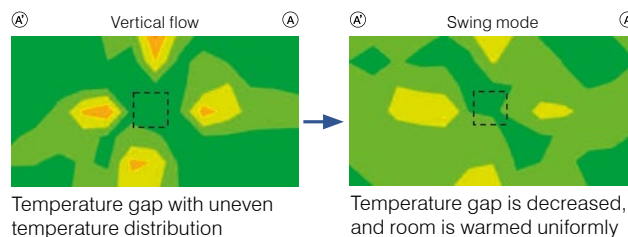
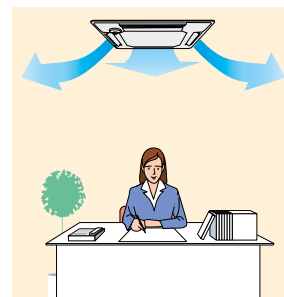
The Horizontal Airflow function prevents both cold draughts and/or heating airflow from striking occupants directly, thereby keeping people from becoming over-chilled/over-heated.

## Sleek, Compact Design

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

## 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.



## 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.

Specifications: PLA Ceiling Cassette Series

Refrigerant			R32													
Indoor Unit			PLA-M71EA				PLA-M100EA-A				PLA-M125EA-A				PLA-M140EA	
Outdoor Unit (Standard, Deluxe)			SUZ-M71VAD		PUZ-ZM71VHA		PUZ-M100VKA-A		PUZ-ZM100VKA-A		PUZ-M125VKA-A		PUZ-ZM125VKA-A		PUZ-ZM140VKA	
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	3.77	3.75	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*) ~ 52				-15 ~ 46		-5(-15*) ~ 52		-15 ~ 46		-5(-15*) ~ 52			
	Heating (°C)		-15 ~ 24		-20 ~ 21		-15 ~ 21		-20 ~ 21		-15 ~ 21		-20 ~ 21			

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





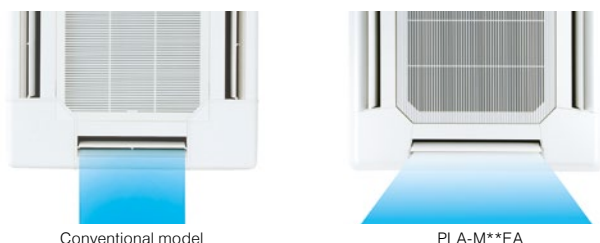
### New Wired Black Grille Option\*

In addition to the Wired and Wireless grille options in Pure White, a Wired option in Black will be available from late 2023. The Wired grille in Black will have the same sleek bevelled design as the Wired and Wireless White colour options.

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

### 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.



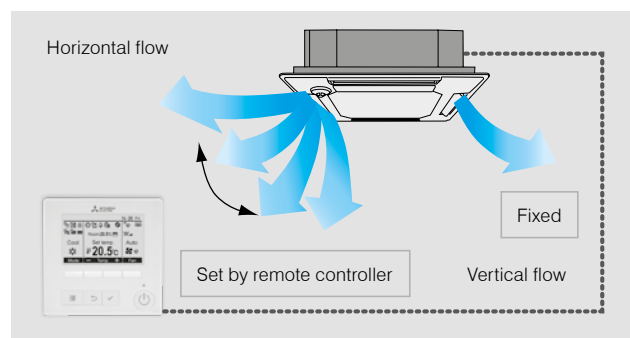
Both horizontal airflow and fan speed have been reduced by 20% compared to conventional models, contributing to increased comfort for occupants.

### 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.

### Independent Vane Direction Setting (P Series Outdoor Only)

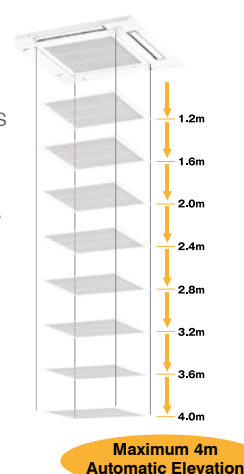
With the ability to independently control each vane's airflow pattern, PLA Series Cassettes are perfect for both residential and office/commercial environments.



### Automatic Grille Lowering Function (Optional)

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.



### Deluxe Wireless Controller

With a backlit screen for easy viewing, and advanced feature controls, the Deluxe Wireless Controller offers the ultimate in customised comfort.

### Other Features

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

# PCA Series

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

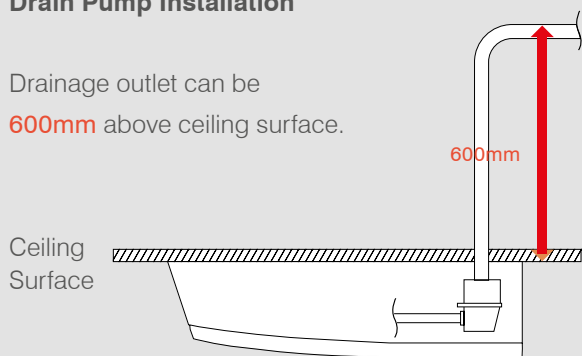
The stylish, sharp design of the PCA indoor unit blends in well with ceilings, for an unobtrusive installation.

## Optional Drain Pump

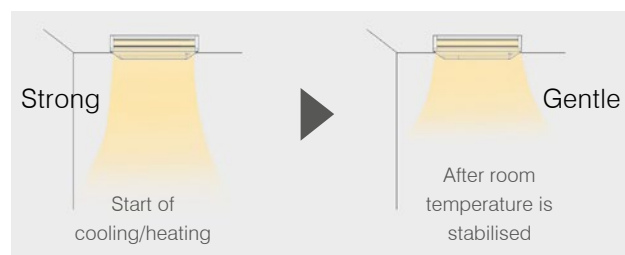
The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choice of unit location during installation work.

### Drain Pump Installation

Drainage outlet can be  
**600mm** above ceiling surface.



## Automatic Air-Speed Adjustment



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-M71KA		PCA-M100KA		PCA-M125KA		PCA-M140KA	
Outdoor Unit		PUZ-ZM71VHA		PUZ-ZM100VKA		PUZ-ZM125VKA		PUZ-ZM140VKA	
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		3.69	3.55	3.77	3.31	3.22	3.23	3.17	3.31
Power Supply		V: Single-phase, 50Hz, 230V							
Airflow (Lo-Mid-Hi)	m <sup>3</sup> /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		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	

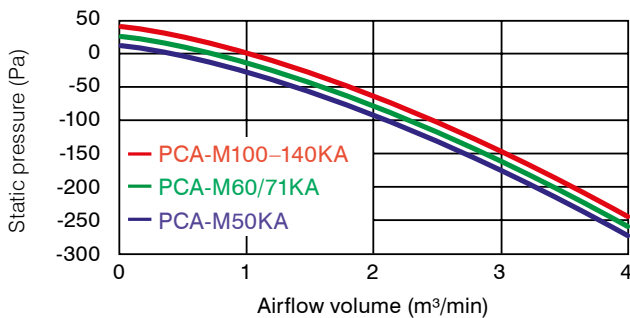
Refer to page 20 for outdoor specifications.



## Fresh Outside Air Intake

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

### Outside air intake characteristics



## 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-M50KA		PCA-M60KA		PCA-M71KA	
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 AEEER/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	
Dimensions	Height (mm)	230		230		230	
	Width (mm)	960		1,280		1,280	
	Depth (mm)	680		680		680	
Weight	(kg)	26		32		32	

Refer to page 20 for outdoor specifications.

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

Refrigerant		R32	
Indoor Unit		PCA-M71HA	
Outdoor Unit		PUZ-ZM71VHA	
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 AEEER/ACOP		3.34	3.34
Power Supply		V: Single-phase, 50Hz, 230V	
Airflow (Lo–Mid–Hi)	m³/min	16-18	
	L/S	267-300	
Sound Pressure Level		(dB)	
Dimensions	Height (mm)	280	
	Width (mm)	1136	
	Depth (mm)	650	
Weight	(kg)	42	

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\*, 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.

\*Eight zones available with PAC-ZC80(H/L)-E.



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.

## 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.



### 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



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

### 360° Temperature Monitoring

The 3D i-See Sensor 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.

### 3D i-See Sensor Operation

The 3D i-See Sensor rotates 90° every two minutes\*, 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.

### Detects Number of People

The 3D i-See Sensor detects the number of people in the room and adjusts the power accordingly. This makes automatic power-saving operation possible in places where the number of people changes frequently. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it can also stop the operation.

### Detects People's Position

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".

### Highly Accurate Occupancy Detection

A total of eight sensors rotate a full 360°, in three minute intervals. In addition to detecting human body temperature, the 3D i-See Sensor detects the number of people and their positions.

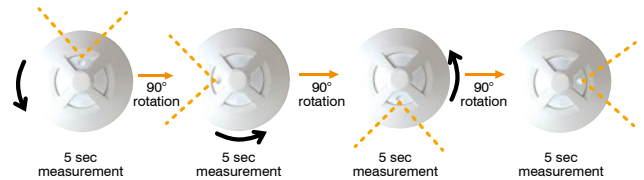
### Even Airflow – Airflow Only Where You Need It

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.

### No Occupancy Modes – for Energy Savings

The 3D i-See Sensor detects whether or not there are people in the room, and automatically switches to one of the No Occupancy Modes, as set by the user.

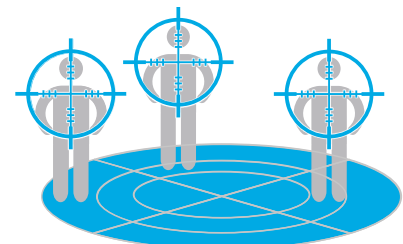
In No Occupancy Energy Saving Mode when no one is in the room, the unit automatically reduces power consumption by approximately 10% after ten minutes, and 20% after 60 minutes. In No Occupancy Auto-Off Mode, when no one is in the room, the unit turns off automatically.



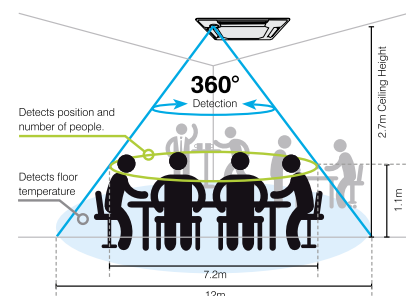
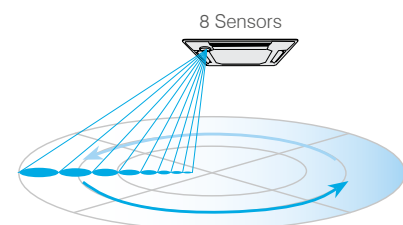
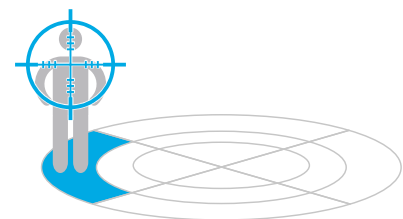
\* The sensor rotates 360° once every two minutes when there is significant temperature disparity and once every five minutes when a stable, even temperature has been reached.



### Detects number of people



### Detects people's position



# Outdoor Unit Specifications

Outdoor Unit		SUZ-M25VAD	SUZ-M35VAD	SUZ-M50VAD	SUZ-M60VAD	SUZ-M71VAD	PUZ-ZM71VHA
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)*2	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
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-ZM100VKA	PUZ-ZM125VKA	PUZ-ZM140VKA
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)*2	52 / 54	54 / 56	53 / 54	49 / 51	50 / 52	
Sound Power Level	(dB)	71 / 72	72 / 74	71 / 72	69 / 69	70 / 70	70 / 71
Dimensions (H x W x D)	(mm)	981x1050x330+40		1338x1050x330+40	1338x1050x330		
Weight	(kg)	76	84	99	111		
Piping Length (Chargeless/ Max.)	(m)	30 / 55			30 / 75		
Protection Device		Comp. surface thermo, HP Switch			Discharge thermo, HP switch		
Breaker Size	(A)	32		40	32		40

## 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	75m
PUZ-ZM71	2.80	0.40	0.80	-	-
PUZ-ZM100/125/140	4.00	0.40	0.80	1.20	1.80
PUZ-M100	3.10	0.40	0.80	-	-
PUZ-M125	3.60	0.40	0.80	-	-
PUZ-M140	3.90	0.00	0.00	-	-

\*Above specifications are for outdoor units only. \*2Sound pressure measurements were conducted in an anechoic chamber. The actual noise level depends on the distance from the unit and the acoustic environment.

Outdoor Unit		PUZ-RP170VKA	PUZ-RP200YKA	PUHZ-RP250YKM
REFRIGERANT		R410A		
External Finish		Munsell 3.0Y 7.8 / 1.1	Munsell 3.0Y 7.8 / 1.1	Munsell 5.0Y 8.0 / 1.0
Power Supply		Single-phase, 50Hz, 230V	Three-phase, 50Hz, 400V	
Compressor Output	(kW)	3.00	3.70	6.90
Airflow (Cooling/Heating)	m³/min(L/S)	140 (2,330)	140 (2,330)	175 (2,917)
Sound Pressure Level (Cooling/Heating)	(dB)*2	58 / 59	58 / 59	58 / 58
Sound Power Level	(dB)	76	76	78
Dimensions (H x W x D)	(mm)	1,338x1,050x330	1,338x1,050x330	1,650x920x740
Weight	(kg)	124	135	199
Piping Length (Chargeless/ Max.)	(m)	30 / 75	30 / 75	0 / 75
Protection Device		Discharge thermo, HP switch		
Breaker Size	(A)	40	32	32

### Amount of Required Refrigerant (R410A: kg)

AMOUNT OF REQUIRED REFRIGERANT R410A:KG						
Piping Length	Factory Charged (kg)	Additional Charge (kg)				
	30m	40m	50m	60m	70m	75m
PUZ-RP170	7.70	0.90	1.80	2.70	3.60	4.50
PUZ-RP200	7.70	0.90	1.80	2.70	3.60	4.50

### 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-RP170	30	75	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 25.4 – 1"	t 1.0
PUZ-RP200	30	75	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 25.4 – 1"	t 1.0
PUHZ-RP250	30	75	Liquid: Ø 9.52 – 3/8"	t 0.8
			Gas: Ø 22.2 – 7/8"	t 1.0

\*Above specifications are for outdoor units only. \*2Sound pressure measurements were conducted in an anechoic chamber. The actual noise level depends on the distance from the unit and the acoustic environment.



## **Black Diamond Technologies and Mitsubishi Electric – an Exclusive Partnership Since 1981**

The Mitsubishi Electric Product Range has been exclusively distributed by 100% locally Owned and Operated Black Diamond Technologies Limited for over 40 years in New Zealand.

The combination of an internationally trusted brand with the comfort of a locally owned and operated company means that you will always get the best products, the best local service and the best local support.

Based in Wellington with a further 4 support offices throughout New Zealand, Black Diamond Technologies Limited is here to help.



## **Our Vision – Creating New Zealand's Sustainable Future**

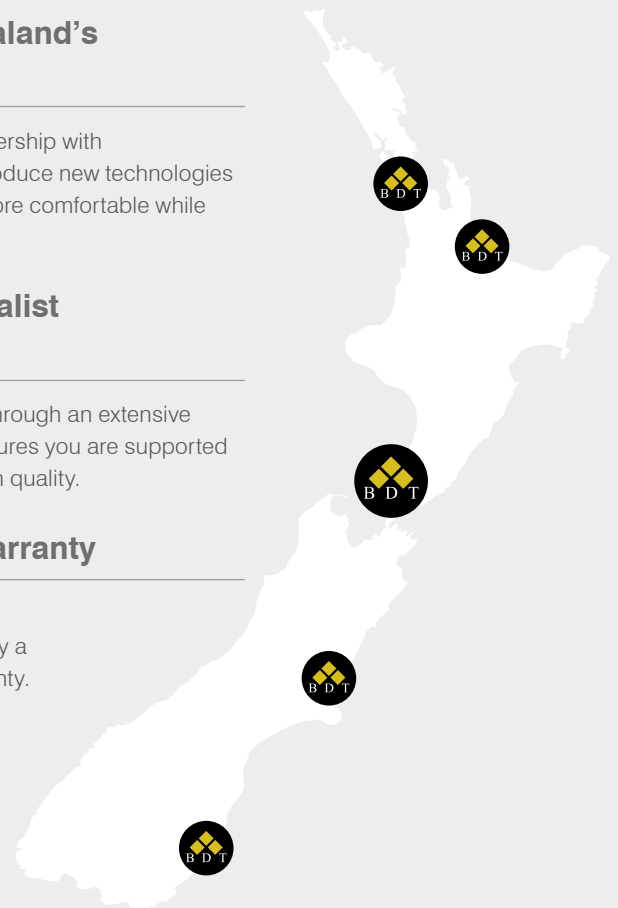
Black Diamond Technologies Limited in partnership with Mitsubishi Electric, strives to develop and introduce new technologies for New Zealanders that will make our lives more comfortable while also creating a greener tomorrow.

## **Our Nationwide Trained Specialist Installation Network**

Mitsubishi Electric Heat Pumps are installed through an extensive network of trained specialist dealers. This ensures you are supported with a superior level of product and installation quality.

## **Our Comprehensive 5 Year Warranty**

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps – supported by a comprehensive 5 year parts and labour warranty.



For more information please visit our website  
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