

HITACHI

airCore 700

Duct EZY Ducted Kit Packages

Cooling & Heating




WARRANTY




The **airCore 700** stands as Hitachi’s flagship residential ducted system. It delivers outstanding cooling and heating performance, showcasing a wide capacity range and efficient operation in diverse ambient temperatures, while guaranteeing uncompromised comfort.

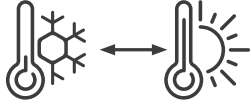
Duct EZY are ready designed, premium ducted air conditioning packages. Designing a ducted system is a specialised and technical process. **Duct EZY** removes the need to do so, by providing a pre-designed package, specifically engineered duct kit without compromising optimal performance. Whether for the home, office or shop you can now, at an affordable price, enjoy the luxury of reliable ducted air conditioning.




QUIET CONTROL




EFFICIENT COOLING & HEATING




WIDE AMBIENT OPERATING RANGE
-20°C IN WINTER*
+52°C IN SUMMER




INDOOR UNIT FROSTWASH




WI-FI CONTROL OPTION*




BACKLIT COLOURED CONTROLLER




ENERGY USAGE MONITORING




NIGHT QUIET OPERATION



POWER SAVING SETTING



7-DAY OPERATION SCHEDULING



R32 REFRIGERANT

* Wi-Fi Control Option Coming Soon



Contents

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Peace of Mind with a 6 Year Warranty

The **airCore 700** ducted systems comes with a comprehensive **6 Year Warranty** on parts and labour, so you can be assured of the reliability and quality of your **airCore 700** system.

airCore 700 Duct EZY Product Lineup

Nominal Cooling/Heating Capacity

Cooling Capacity Range (Min-Max)
Heating Capacity Range (Min-Max)

5.0/6.0 kW

1.5~6.0 kW
1.5~7.5 kW

6.0/7.5 kW

1.5~7.5 kW
1.5~9.0 kW

7.2/8.6 kW

2.5~8.6 kW
3.5~10.4 kW

10.0/11.5 kW

3.2~12.0 kW
3.5~14.0 kW

12.5/14.0 kW

4.0~14.2 kW
4.0~16.2 kW

14.0/16.0 kW

5.0~16.0 kW
5.5~18.0 kW

Indoor Unit

Mid-Static Pressure



PPIM-2.0UFA1NQ



PPIM-2.5 UFA1NQ



PPIM-3.0UFA1NQ



PPIM-4.0UFA1NQ



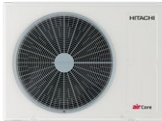
PPIM-5.0UFA1NQ



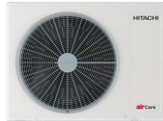
PPIM-6.0UFA1NQ

Outdoor Unit

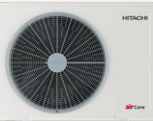
PAS-**UFASNQ1 (Single Phase)
PAS-**UFASMQ1 (Three Phase)



PAS-2.0UFASNQ1



PAS-2.5UFASNQ1



PAS-3.0UFASNQ1



PAS-4.0UFASNQ1
PAS-4.0UFASMQ1



PAS-5.0UFASNQ1
PAS-5.0UFASMQ1



PAS-6.0UFASNQ1
PAS-6.0UFASMQ1

Controllers



PC-ARFG2-Z Controller



PC-ARFG2-Z Controller



PC-ARFG2-Z Controller



PC-ARFG2-Z Controller

Duct Kit Package

Duct EZY 5-6kW

SKH-DEZ-M06



Plenum: 1 x Supply (2 spigots), 1 x Return (1 spigot)
Flexible Duct: 2 x 6m Supply and 1 x 3m Return
Supply Air Diffuser: 2 x RPD-250
Return Air Grille: 1 x c/w Sq-to-Rd Adapter

Duct EZY 7kW

SKH-DEZ-M07



Plenum: 1 x Supply (3 spigots), 1 x Return (1 spigot)
Flexible Duct: 3 x 6m Supply, 1 x 3m Return
Supply Air Diffuser: 3 x RPD-250
Return Air Grille: 1 x c/w Sq-to-Rd Adapter

Duct EZY 10kW

SKH-DEZ-M10



Plenum: 1 x Supply (3 spigots), 1 x Return (2 spigots)
Flexible Duct: 3 x 6m Supply, 2 x 3m Return
Supply Air Diffuser: 3 x RPD-250
Return Air Grille: 1 x c/w Sq-to-Rd Adapter

Duct EZY12-14kW

SKH-DEZ-M12



Plenum: 1 x Supply (4 spigots), 1 x Return (2 spigots)
Flexible Duct: 4 x 6m Supply, 2 x 3m Return
Supply Air Diffuser: 4 x RPD-250
Return Air Grille: 1 x c/w Sq-to-Rd Adapter

Key benefits of the Duct EZY system

Four Duct EZY Kits

We offer Duct EZY systems to match all **airCore** 700 mid-static ducted systems. Duct EZY systems come with two, three or four round supply air diffusers. Depending on your needs this will allow you a range of air conditioning options, small bedrooms or offices will likely require only one diffuser outlet while living rooms and open plan areas may require more.

Quality assured

Duct EZY are high quality air conditioning systems manufactured to the highest standards. You can trust in their absolute reliability, and to prove it Hitachi offers a **6 Year Warranty**.

Quiet operation

Duct EZY systems are not only discreet, but also quiet. Both the in-ceiling and outdoor unit have noise levels similar to wall mounted heat pump systems of equivalent capacity. Ducted in-ceiling units are installed in the roof space resulting in a further reduction of noise levels.

Visually discreet

Duct EZY systems allow you the luxury of discreet air conditioning. The ducted unit is installed in the ceiling providing comfort you feel but can't see. Round ceiling diffusers can be discreetly positioned to complement or fit around lighting and existing fixtures.

Affordable costs

Duct EZY systems come already designed and packaged not needing any customisation. This makes them a more affordable alternative to other custom ducted systems.

Hassle free installation

Duct EZY systems have been designed not only to ensure optimum performance but also a hassle free, seamless installation into new or existing buildings. Their retrofit design means there is often no need for any additional post installation repairs to either the inside or outside of your premises.

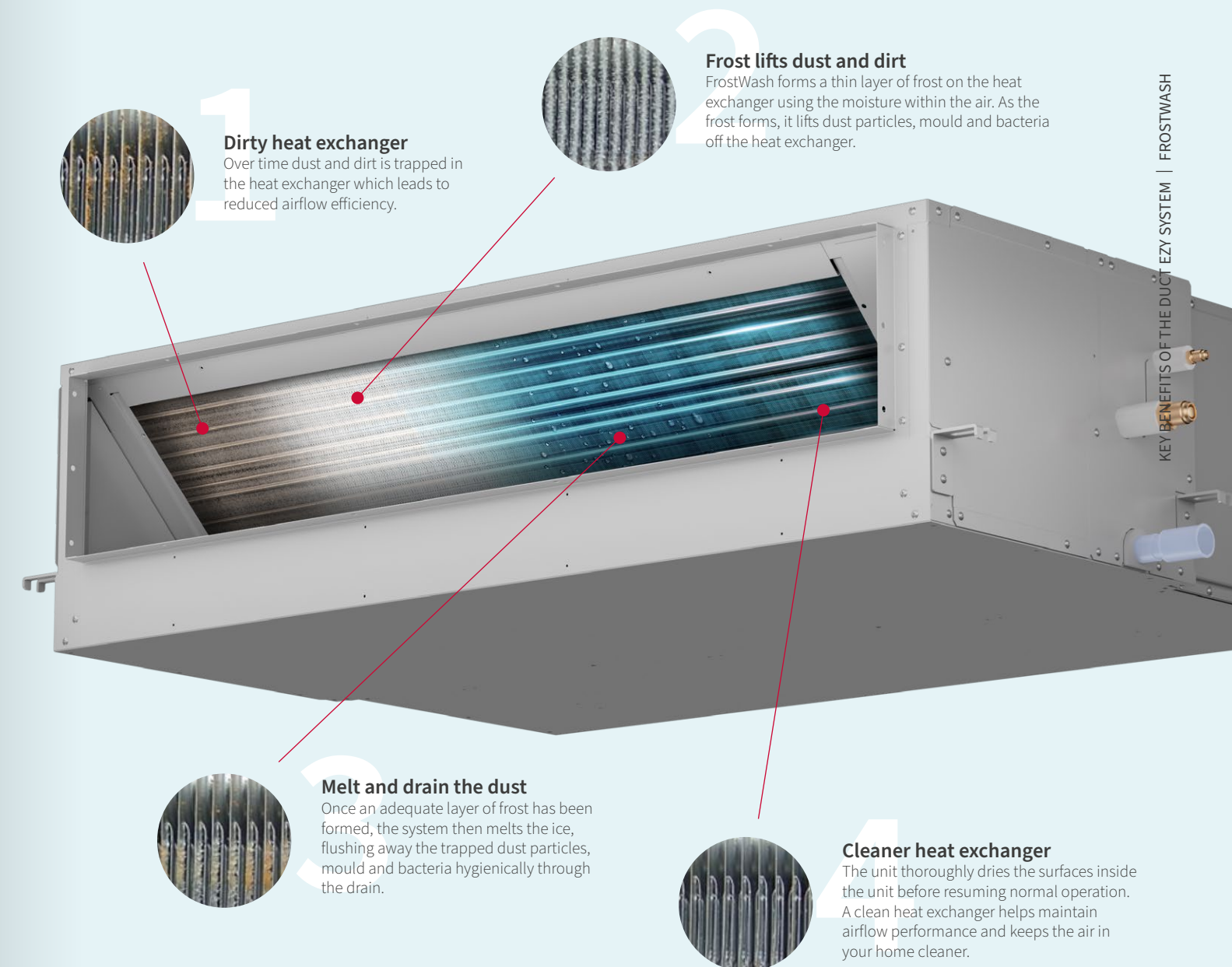
FrostWash™ Self-Cleaning Technology



airCore 700 Indoor Units

All **airCore** 700 ducted units are equipped with FrostWash. FrostWash freezes the dirt and dust trapped in the indoor unit heat exchanger, which is drained away with the condensate when it defrosts – effectively cleaning the heat exchanger and helping to safeguard long-term performance by maintaining good airflow.

FrostWash can be activated manually or automatically at scheduled intervals.



Advanced Control



Award winning...

- Colour screen
- 0.5°C temperature setting
- Visual interface
- Simple navigation
- Feature rich



airPoint Room 700

MODEL PC-ARFG2-Z

Functions

Function Menu	Simple Timer
	Operation Schedule
	Power Saving Setting
	Night Quiet Operation
	Power Saving/Night Quiet Schedule
	Power Consumption Display
	AutoBoost *
	Motion Sensor Setting **
	Setback Setting
	Filter Clean Reminder
Screen Display Setting	FrostWash Setting
	Adjust Date/Time
	Run Indicator Brightness
	Display Adjustment
	Temperature
	Keypad Touch Sound
	Language Setting Chinese (Simplified/Traditional), Japanese, English (°C/°F), French, Portuguese, Spanish (English only with Premium Zoning System)

Display Adjustment

Function	Action
Backlight Brightness	Adjust the brightness of the backlight
Backlight Dim Time	Dim Backlight after inactivity
Backlight Off Time	Turn Backlight off after inactivity
Screen Theme	Set screen theme as light or dark

*Not available with premium zoning system
**Motion sensor setting requires optional motion sensors installed

Power Consumption Display

Power consumption displays the power consumption of the outdoor unit compressor. The value of each displayed in Graph/List format is 1 day (every 2 hrs.), 1 week (7 days), and 1 year (12 months).

Operation Schedule Setting

Operation schedule function is a 7-day timer used to automatically start or stop the unit operation at the set time. The temperature can also be set. Up to 5 schedules can be set for each day of the week including scheduling for a holiday, six days in advance.

Power Savings Setting

Power Savings setting helps reduce energy consumption with low, medium or high settings available. .

Night Quiet Operation

Night Quiet Operation significantly reduces the noise levels of the outdoor unit and offers the feature to schedule Night Quiet Operation for indoor units.

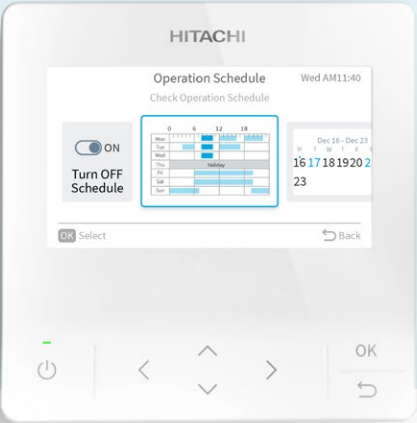
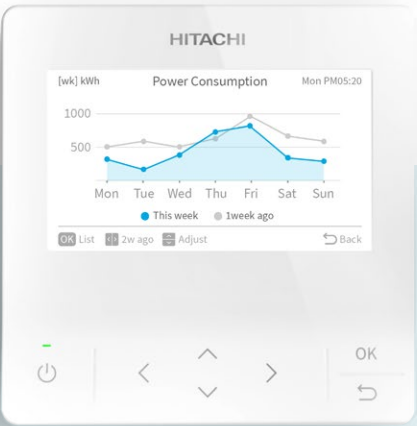
Power Saving/Night Quiet Schedule

Power Saving/Night Quiet Schedule setting starts and stops power savings control and operation noise reduction control at the desired time. Up to 5 Power saving/night quiet schedules can be set for each day of the week.

AutoBoost Setting*

AutoBoost function provides powerful cooling and heating for 30 minutes once the operation starts to rapidly cool or heat your home.

*Not available with premium zoning system



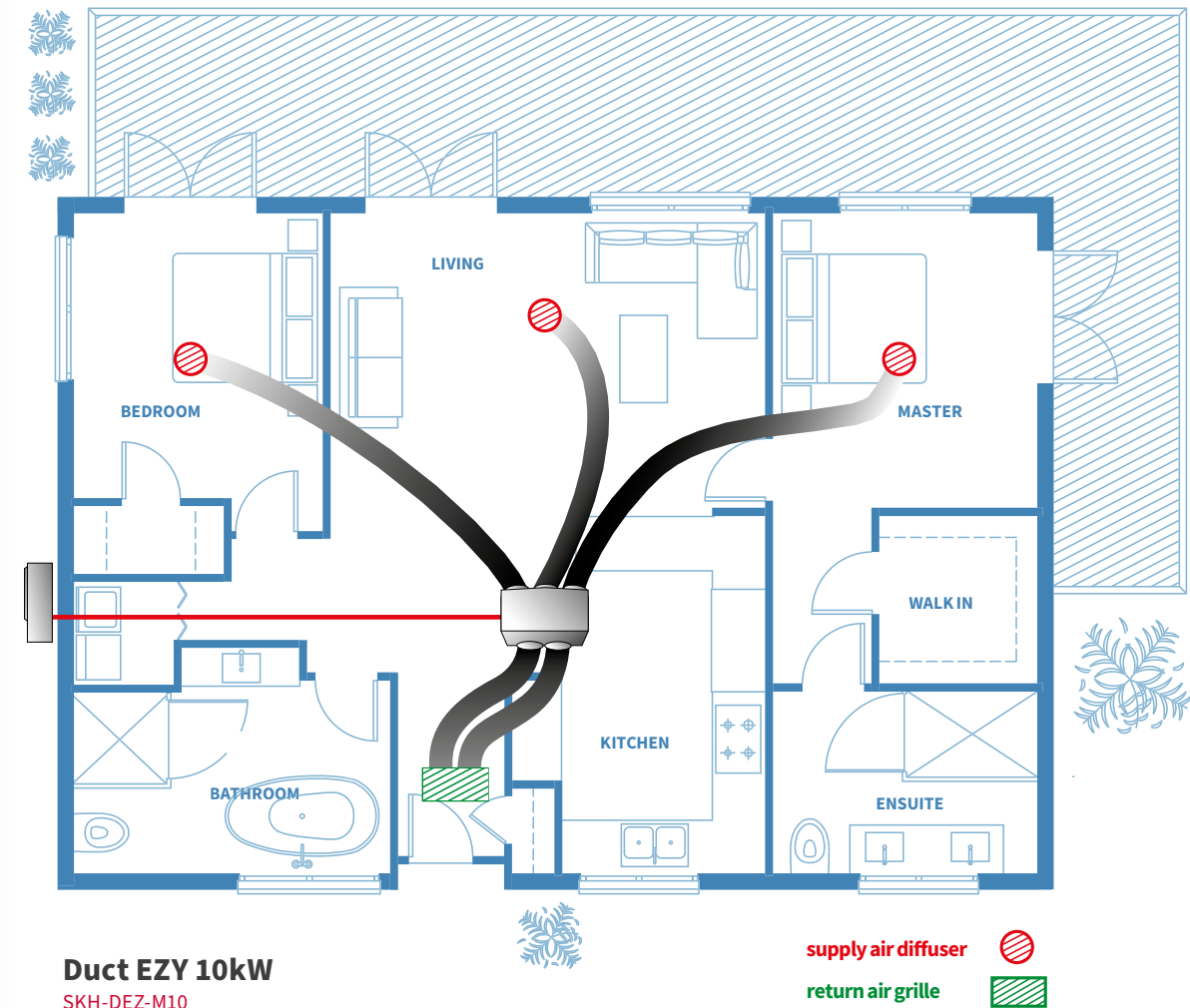
Setback Setting

Setback setting is designed to maintain a minimum level of comfort in a room when it is not occupied reducing unnecessary power usage.

Duct EZY in your home

Relax in style as a concealed Hitachi **airCore** 700 ducted unit quietly and effortlessly fills your home with comfort.

You may be in the process of considering a cooling and heating system in your home. Now with Duct EZY there is a trusted, ready engineered and affordable option for air conditioning not only a single area but your entire home. You'll rest easy with Duct EZY.

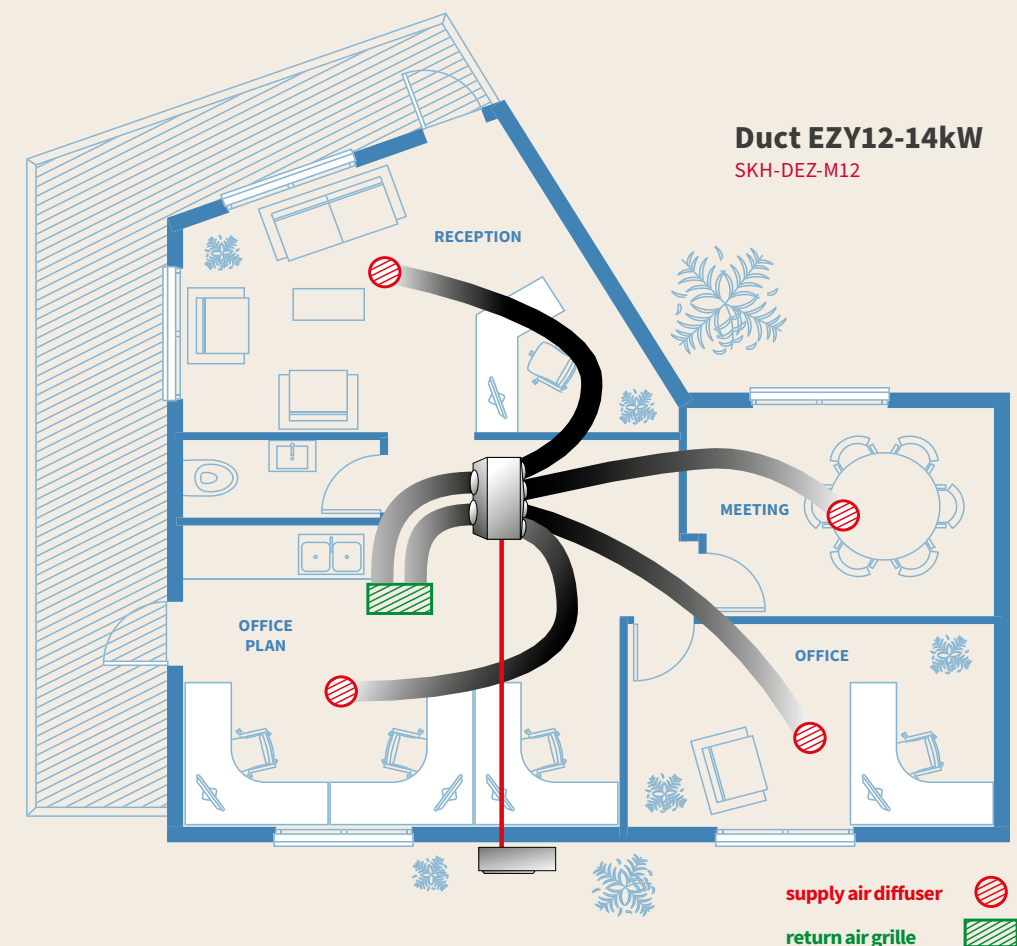


Duct EZY in your business

Duct EZY are professionally designed, premium ducted air conditioning packages.

Duct EZY is a perfect solution for small to medium commercial premises. Shops can benefit from discreet, evenly distributed air supply to open areas. Office buildings with both open areas and small offices require efficient air supply to all these spaces.

In many cases office buildings may require multiple systems due to different heating and cooling requirements within the building. Duct EZY, with its offering for six different sized systems, is a reliable and economical solution.



Features & Options

6 Year Warranty	●	Automatic Fan Speed	●
Indoor Unit Frostwash	●	Automatic Operation (Cool/Heat) *	●
Wi-Fi Control Option	■	Auto Restart Function	●
52°C High Ambient Temperature Cooling Operation	●	Set Temperature Auto Reset *	●
-20°C Low Ambient Temperature Heating Operation	●	Temperature Setpoint Limits *	●
Power Usage Monitoring	●	+/-0.5°C Temperature Setting	●
Backlit Coloured Display Wall Controller	●	Child Keypad Lock	●
On/Off Timer	●	Self-Diagnostics	●
7-Day Operation Scheduling	●	Filter Clean Reminder	●
Power Saving Setting	●	Motion Sensor Option	■
Night Quiet Operation	●	DRED 1, 2 & 3 Compatible	●
Power Saving/Night Quiet Scheduling	●	Room/Zone Naming	●
Setback Setting	●	NFC Setup *	●
Dry Mode Operation	●	Auto ESP Adjustment	●

*Must be activated through the controller at installation

- Standard
- Optional Accessory

Duct EZY Components

MODEL	Duct EZY 5-6kW		Duct EZY 7kW	Duct EZY 10kW	Duct EZY 12-14kW	
Indoor Outdoor	PPIM-2.0FA1NQ PAS-2.0UFASNQ1	PPIM-2.5FA1NQ PAS-2.5UFASNQ1	PPIM-3.0FA1NQ PAS-3.0UFASNQ1	PPIM-4.0FA1NQ PAS-4.0UFASNQ1	PPIM-5.0FA1NQ PAS-5.0UFASNQ1	PPIM-6.0FA1NQ PAS-6.0UFASNQ1
Plenums*	1 x supply (2 spigots) 1 x return (1 spigot)	1 x supply (2 spigots) 1 x return (1 spigot)	1 x supply (3 spigots) 1 x return (1 spigot)	1 x supply (3 spigots) 1 x return (2 spigots)	1 x supply (4 spigots) 1 x return (2 spigots)	1 x supply (4 spigots) 1 x return (2 spigots)
Insulated Flexible Ducting**	2 x supply 1 x return	2 x supply 1 x return	3 x supply 1 x return	3 x supply 2 x return	4 x supply 2 x return	4 x supply 2 x return
Supply Diffuser - Round**	2 x RPD	2 x RPD	3 x RPD	3 x RPD	4 x RPD	4 x RPD
Return Grille c/w Sq-to-Rd Adaptor**	1	1	1	1	1	1
Controller	PC-ARFG2-Z	PC-ARFG2-Z	PC-ARFG2-Z	PC-ARFG2-Z	PC-ARFG2-Z	PC-ARFG2-Z
Duct Tape Roll	1 x 30m	1 x 30m	2 x 30m	3 x 30m	4 x 30m	4 x 30m

* For attachment to Indoor unit.
** See the specification table for sizes.



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Specifications

IDU ODU			PPIM-2.0UFA1NQ PAS-2.0UFASNQ1	PPIM-2.5UFA1NQ PAS-2.5UFASNQ1	PPIM-3.0UFA1NQ PAS-3.0UFASNQ1	PPIM-4.0UFA1NQ PAS-4.0UFASNQ1	PPIM-5.0UFA1NQ PAS-5.0UFASNQ1	PPIM-6.0UFA1NQ PAS-6.0UFASNQ1					
Cooling	Rated Capacity	kW	5.0	6.0	7.2	10.0	12.5	14.0					
	Capacity Range[Min~Max]	kW	1.5~6.0	1.5~7.5	2.5~8.6	3.2~12.0	4.0~14.2	5.0~16.0					
Heating	Rated Capacity	kW	6.0	7.5	8.6	11.5	14.0	16.0					
	Capacity Range[Min~Max]	kW	1.5~7.5	1.5~9.0	3.5~10.4	3.5~14.0	4.0~16.2	5.5~18.0					
Air Flow	Fan Speeds		6	6	6	6	6	6					
	External Static Max Range	Pa	35~185	35~185	35~185	50~200	50~200	60~210					
	Air Flow Range	l/s	160~350	160~350	290~500	350~630	360~680	410~730					
Duct EZY Model			Duct EZY 5-6kW SKH-DEZ-M06		Duct EZY 7kW SKH-DEZ-M07		Duct EZY 10kW SKH-DEZ-M10		Duct EZY 12-14kW SKH-DEZ-M12				
	Air Outlet / Inlet		2 / 1		3 / 1		3 / 1		4 / 1				
	Supply Air Duct: ** Diameter / length	mm/m	Ø250 / 6		Ø250 / 6		Ø250 / 6		Ø250 / 6				
	Return Air Duct: ** Diameter / length	mm/m	Ø350 / 3		Ø400 / 3		Ø350 / 3		Ø350 / 3				
	Air Outlet Diffusers (RPD)	mm	Ø250		Ø250		Ø250		Ø250				
	Air Inlet Grille (With Hinged Filter)	mm	400 x 400		512 x 512		900 x 450		900 x 450				
Indoor Unit	Sound Levels (Hi2/Hi1/Hi/Med/Lo/Slo)	SPL dB(A)	39/36/34/30/24/21.5		39/36/34/30/24/21.5		41/39/36/34/30/27		43/40/38/36/30/28		45/44/40/38/35/32		
	Dimensions (W x H x D)	mm	900(+75)×270×720		900(+75)×270×720		1400(+75)×300×800		1400(+75)×300×800		1400(+75)×300×800		
	Weight	kg	30		30		48		48		48		
Outdoor Unit	Sound Levels (Cool / Heat / Night)	SPL dB(A)	53/54/51		53/54/51		56/57/54		56/57/54		56/57/54		
	Dimensions (W x H x D)	mm	900×665×320		900×665×320		950×990×320		950×1380×320		950×1380×320		
	Weight	kg	42		44		86.5		98.5		108		
Guaranteed Temperature Operation Range	Cooling	°C (db)	-5~52		-5~52		-5~52		-5~52		-5~5.2		
	Heating	°C (wb)	-20~15.5		-20~15.5		-20~15.5		-20~15.5		-20~15.5		
Refrigerant type	Type		R32		R32		R32		R32		R32		
	Charge	kg	1.2		1.4		3.0		3.1		3.4		
Refrigerant pipe	Pipe Connection Sizes: Liquid / Gas	mm	Φ6.35/Φ12.7		Φ6.35/Φ12.7		Φ9.52/Φ15.88		Φ9.52/Φ15.88		Φ9.52/Φ15.88		
	Max Pipe Length	m	50		50		75		75		75		
	Max. Pre-charged Length	m	30		30		30		30		30		
	Max. Height Difference	g/m	30		30		30		30		30		
Electrical	Power Supply*	V/Ph/Hz	220~240V ac 50 Hz		220~240V ac 50 Hz		220~240V ac 50 Hz		220~240V ac 50 Hz				
	Interconnecting Wires (mains)		3 core + Earth 2.5 mm²		3 core + Earth 2.5 mm²		3 core + Earth 4.0 mm²		3 core + Earth 4.0 mm²				
	Interconnecting Wires (comms)		Twisted Pair Cable with Shield, 0.75mm² min.		Twisted Pair Cable with Shield, 0.75mm² min.		Twisted Pair Cable with Shield, 0.75mm² min.		Twisted Pair Cable with Shield, 0.75mm² min.				
	Max. Current*	A	14.0		14.0		16.0		25		27.3		28.5
Option	Duct Expansion Kit		Includes: Branch-Take-Off, Flexible duct Ø200/3m (x2) + Supply Diffuser (x2)										

NOTES:
* 3 Phase 380~415V option for PAS-4/5/6
** All ducting is insulated.

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