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MITSUBISHI HEAVY INDUSTRIES, LTD.
Our Technologies, Your Tomorrow

2014

DXK
Inverter Wall Mount Split Air Conditioners

DXU
Inverter Ducted Split Air Conditioners

MONIKA'S RESCUES
www.DoggieRescue.com

MHIAA is proudly sponsoring
Monika's Doggie Rescue

DXK Series.

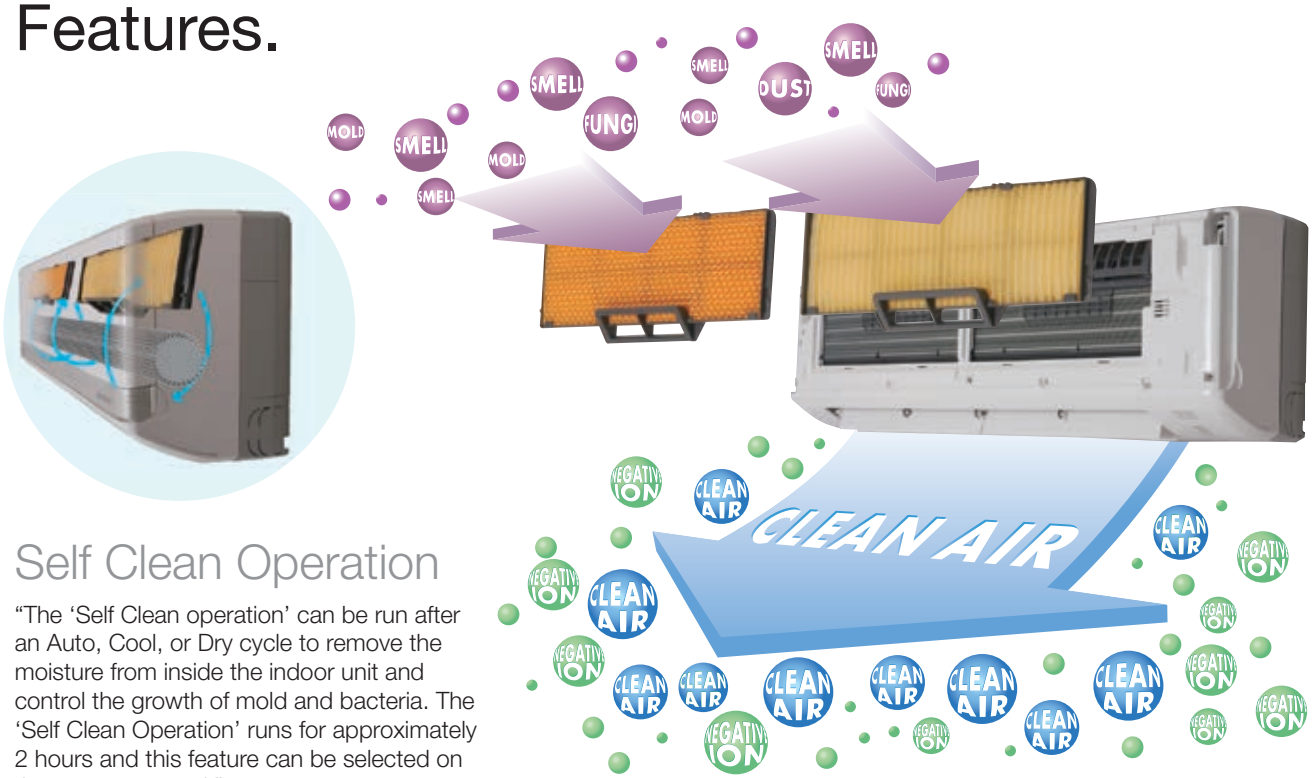
Inverter Wall Mount Split Air Conditioners.

The ideal solution for air conditioning

Equipped with an easy to use controller boasting an assortment of convenient functions and filters, compact stylish design and quiet operation, a Mitsubishi Heavy Industries air conditioner will be a valuable addition to any home. You can rest assured that your family will enjoy the luxury of air conditioned comfort all year round.

The SR range includes capacities from as low as 2.0kW to as high as 9.2kW which means you can air condition the smallest bedrooms to the largest entertainment areas. Priding itself on the reliability of its air conditioners and, with offices across Australia and New Zealand and an extensive network of service agents, Mitsubishi Heavy Industries will keep your air conditioner working perfectly over the years.

Features.

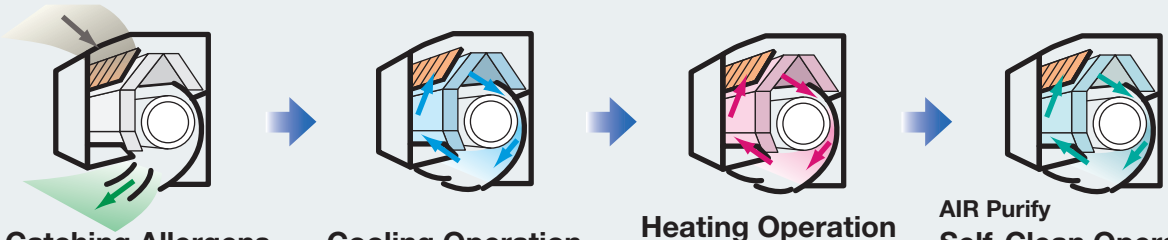


Self Clean Operation

"The 'Self Clean operation' can be run after an Auto, Cool, or Dry cycle to remove the moisture from inside the indoor unit and control the growth of mold and bacteria. The 'Self Clean Operation' runs for approximately 2 hours and this feature can be selected on the remove control."

Allergen Clear System

The 'Allergen Clear System' reduces the effect of the allergens caught by the filter by controlling temperature and humidity.

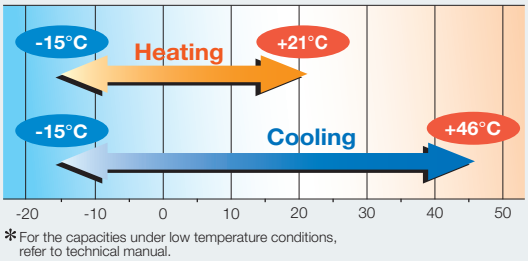


Catching Allergens on the Filter

Cooling Operation
To make condensing water.

Heating Operation
To give moisture to the Filter to inactivate allergen

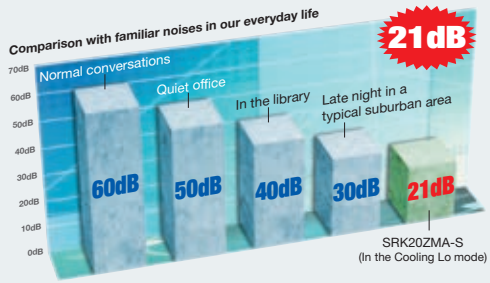
AIR Purify
Self-Clean Operation
To dry up the indoor unit



*For the capacities under low temperature conditions, refer to technical manual.

Wide Operation Range

Heating and cooling operations are possible at an outdoor temperature as low as –15°C. Our advanced technology has improved the heating and cooling operation range. Units can be installed when heating or cooling operations are required at low ambient conditions down to -15°C.



Quiet Operation

The secret of quiet operation.

The combination of the jet airflow system and serration stabilizer configuration ensures uniform breeze to every corner of the room. It also makes it possible to lower the operation noise further by minimizing the interaction between airflow and the fan.

DRED.

DRED enabled (complies to AS/NZS4755)

The new RAC model range include a Demand Response Enabling Device (DRED) built into each indoor unit in the ZMA/ZMXA range.

A unit installed with a DRED device allows you to participate in incentive programs applicable to your region, such as the ENERGEX QLD Positive Payback Program.

DXK21,24,28,32ZMA-S
in cooling operation

Long Reach Air Flow

The jet technology enables powerful airflow ideal for large living areas and commercial premises.

Silicon-Coated PCB

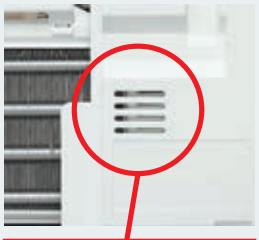
The printed circuit board of the outdoor unit is coated in silicon. The coating ensures longevity of the board in humid conditions.

Superior Corrosion Resistance

The base of the outdoor unit is hot dipped to provide superior corrosion and scratch resistance.

Three Sensors

Control of room temperature and humidity is very important. Use of three sensors to control indoor temperature, indoor humidity and outdoor temperature enable the unit to obtain optimum air-conditioning.



Humidity Sensor included in:
DXK18,21,24,28,32

SRC & DXC excludes VNX

Functions.

Filter

Allergen Clear Filter
The filter breaks down the pollen, lice, and all allergens that live on cat skins, etc. and deactivates them.

Photocatalytic Washable Deodorizing Filter
It keeps air fresh by deodorizing the molecules causing odor. The deodorizing ability can be easily restored simply by cleaning and exposing the filter to the sunlight.

Allergen System
Suppresses the influence of the allegen caught by the filter.

Self Clean
The indoor fan continues to operate on ultra low speed to dry the unit.

Comfortable Functions

Fuzzy Auto Mode
Automatically the unit determines its operating mode and temperature setting based on a fuzzy calculation and adjusts the inverter frequency.

Automatic Operation
The air conditioner automatically selects from heating, cooling or dry operation.

"HI POWER" Operation
TThe unit can operate continuously in HI POWER mode for 15 minutes. This mode is used to reach the desired temperature quickly.

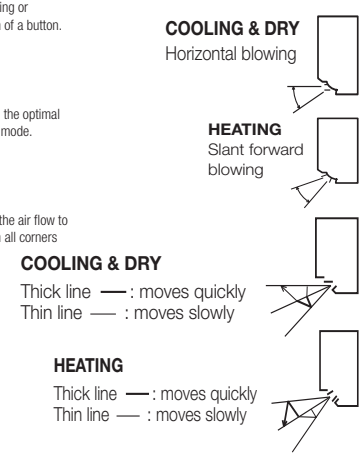
Three "Hot" System
'Hot start' enables the unit to begin heating operation quickly. 'Hot spurt' is a fast heating system that works to increase the temperature setting by two degrees. 'Hot keep' is used during the automatic defrost cycle to prevent cool air being circulated. These three operational control systems help ensure comfortable and efficient heating.

Comfortable Air Flow Functions

3D Auto
You can choose the best heating or cooling pattern with the touch of a button.

Auto Flap Mode
The unit automatically selects the optimal angle whatever the operation mode.

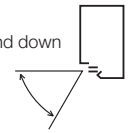
Air Scroll
The swing of the flap causes the air flow to spiral and the breeze to reach all corners of the room.



Memory Flap
While the flap is swinging it can be stopped at any angle. The flap returns to this position next time the unit starts.

Up/Down Flap Swing
The Up/Down flap can be adjusted to the preferred angle anywhere between horizontal and perpendicular.

SWING FLAP
Flap moves up and down continuously.



Lateral Swing
The louver swings from right to left automatically. Louver angle can be fixed in any desired position.

Positioning of Installation
You can set the left-right air flow directions when you install the air conditioner near the side wall by remote controller operation.

Convenience & Economy Functions

On Timer
This enables the operation to start a little earlier so that the room is near to the set temperature at ON time.

Off Timer
The unit stops at the specified time.

Weekly Timer
Up to 4 programs with timer operation (ON-TIMER/ OFF-TIMER) are available for each day of the week. MAX 28 programs per week can be set.

24-hour On/Off Programmable Timer
By combining a start timer with a stop timer you can register two timer operations a day. Once set timers will start or stop the system at the specified time of the day repeatedly.

Dry Operation
The unit dehumidifies the room by intermittent cooling operation.

Silent Operation
The sound level of outdoor units is at least 3dB(A) lower than the nominal level.

Economy Mode
The unit achieves effective energy saving operation while still keeping a comfortable cooling or heating operation.

Sleep Mode
The room temperature is automatically controlled during the set sleep mode period ensuring that the room temperature will not get too hot or cold.

Night Setback
During cold seasons, room temperatures can be maintained at a comfortable level even while the room is unattended. The air conditioner keeps the temperature at 10°C.

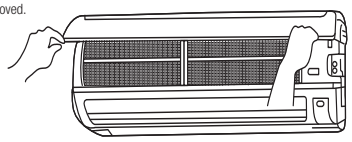
Maintenance & Prevention Functions

Microcomputer-Operated Defrosting
This function automatically eliminates frost and helps minimize excessive operation in other modes.

Self-Diagnostic Function
If the air conditioner malfunctions an internal microcomputer runs a self diagnosis. Inspection and repair should be performed by authorized dealers.

Detachable Indoor Air Inlet Panel
The air inlet panel on the indoor unit opens and closes easily making filter cleaning simple. The suction panel can be easily removed.

When removing the air inlet panel for internal cleaning or other reasons, open the grill by 65 degrees and then pull it to the side.



Others

Back-up Switch
On the indoor unit there is a back up on/off switch. The system will operate in the previous mode.

Auto Restart Function
Power blackout auto restart function records the operational status of the air conditioner immediately prior to being switched off by a power supply interruption. The unit automatically resumes operations in the mode and temperature set point after the power has been restored.

24-hour ION
The air conditioner body has a tourmaline coated sheet. Negative ions (2,500 -3,000/cc) are generated when the air conditioner is not running, allowing you to experience them without incurring any electrical cost.

Luminous Button
With wireless "Luminous" remote controls that even "glow in the dark", it is possible to operate all desired functions of the unit with the click of a button.

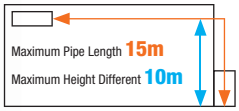
SRK20ZMA-S.

Reverse Cycle Inverter.

SRK20ZMA-S

SRC20ZMA-S

Refrigerant Pipe Length



FUNCTIONS

Indoor			SRK20ZMA-S
Outdoor			SRC20ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	2.0 (1.0~2.7)
	Heating H1		2.7 (1.2~3.9)
	Heating H2		3.23
Input	Cooling T1	kW	0.44 (0.21~0.77)
	Heating H1		0.62 (0.27~1.38)
Energy label	Cooling T1	Stars	4
	Heating H1		4
EER	Cooling T1		4.55
COP	Heating H1		4.35
	Heating H2		2.64
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	59
	Heating(Outdoor)		58
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	33-27-24-21
	Heating(Indoor)		36-31-24-21
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	42
	Heating(Outdoor)		45
Airflow	Cooling(Indoor)	l/s	130-93-88-80
	Heating(Indoor)		163-105-83-75
External dimensions (HXWXD)	Indoor	mm	294x798x229
	Outdoor		540x780(+62)x290
Net weight	Indoor	kg	9.5
	Outdoor		31.5
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø9.52
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	0.75
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

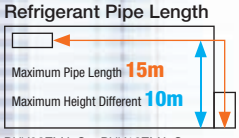
Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

DXK-ZMA-S.

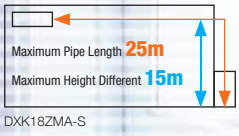
Reverse Cycle Inverter.

DXK09ZMA-S DXK12ZMA-S DXK18ZMA-S

Refrigerant Pipe Length



DXK09ZMA-S • DXK12ZMA-S



DXK18ZMA-S

DXC09ZMA-S DXC12ZMA-S

DXC18ZMA-S

FUNCTIONS

Indoor			DXK09ZMA-S	DXK12ZMA-S	DXK18ZMA-S
Outdoor			DXC09ZMA-S	DXC12ZMA-S	DXC18ZMA-S
Power supply			1 Phase 220~240V 50Hz		
Capacity	Cooling T1	kW	2.5 (1.0~2.9)	3.3 (1.0~3.8)	5.0 (1.6~5.5)
	Heating H1		3.2 (1.2~4.6)	4.0 (1.3~4.8)	5.8 (1.6~6.6)
	Heating H2		3.79	4.04	5.19
Input	Cooling T1	kW	0.575 (0.27~0.81)	0.87 (0.21~1.20)	1.55 (0.40~2.20)
	Heating H1		0.70 (0.27~1.36)	0.955 (0.29~1.45)	1.59 (0.42~2.10)
Energy label	Cooling T1	Stars	4	3	1.5
	Heating H1		4.5	4	2.5
EER	Cooling T1		4.35	3.79	3.23
COP	Heating H1		4.57	4.19	3.65
	Heating H2		2.62	2.80	2.40
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	58	60	61
	Heating(Outdoor)		59	61	63
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	34-28-24-21	45-32-26-22	46-37-28-25
	Heating(Indoor)		39-31-24-21	42-37-25-22	45-37-31-27
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	41	45	43
	Heating(Outdoor)		42	43	45
Airflow	Cooling(Indoor)	l/s	132-100-88-83	190-107-90-83	188-130-100-88
	Heating(Indoor)		183-108-85-77	213-157-102-80	225-170-125-103
External dimensions (HXWXD)	Indoor	mm	294x798x229		
	Outdoor		595x780(+62)x290		640x800(+71)x290
Net weight	Indoor	kg	9.5		
	Outdoor		35		41
Refrigerant piping	Liquid line	mm	Ø6.35		
	Gas line		Ø9.52		Ø12.7
	Connection method		Flare connection		
Refrigerant R410A	Quantity	kg	1.15		1.35
	Pre charged to pipe length	m	15		
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter		

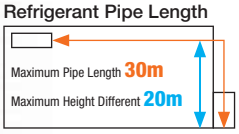
Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

DXK-ZMA-S.

Reverse Cycle Inverter.

DXK21ZMA-S DXK24ZMA-S

DXC21ZMA-S DXC24ZMA-S



FUNCTIONS

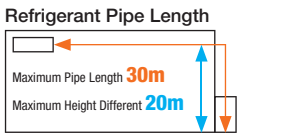
Indoor			DXK21ZMA-S	DXK24ZMA-S
Outdoor			DXC21ZMA-S	DXC24ZMA-S
Power supply			1 Phase 220~240V 50Hz	
Capacity	Cooling T1	kW	6.3 (2.15~7.1)	7.1 (2.15~8.0)
	Heating H1		7.1 (1.7~9.5)	8.0 (1.6~10.0)
	Heating H2		7.52	7.70
Input	Cooling T1	kW	1.76 (0.54~2.30)	2.16 (0.54~2.80)
	Heating H1		1.79 (0.37~3.30)	2.14 (0.37~3.40)
Energy label	Cooling T1	Stars	2.5	2
	Heating H1		3	2.5
EER	Cooling T1		3.58	3.29
COP	Heating H1		3.97	3.74
	Heating H2		2.43	2.49
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	62	66
	Heating(Outdoor)		63	63
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	47-43-37-26	49-45-39-26
	Heating(Indoor)		44-41-36-33	46-43-38-35
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	45	45
	Heating(Outdoor)		43	44
Airflow	Cooling(Indoor)	l/s	308-267-217-133	325-292-233-133
	Heating(Indoor)		342-300-242-208	358-325-258-233
External dimensions (HXWXD)	Indoor	mm	318x1098x248	
	Outdoor		750x880(+88)x340	
Net weight	Indoor	kg	16	
	Outdoor		57	
Refrigerant piping	Liquid line	mm	Ø6.35	
	Gas line		Ø15.88	
	Connection method		Flare connection	
Refrigerant R410A	Quantity	kg	1.8	
	Pre charged to pipe length	m	15	
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter	

Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

DXK-ZMA-S.

Reverse Cycle Inverter.

DXK28ZMA-S



DXC28ZMA-S

FUNCTIONS

Comfortable

Comfortable Air Flow

Convenience & Economy

Maintenance & Prevention

Others

Indoor			DXK28ZMA-S
Outdoor			DXC28ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	8.0 (2.15~9.0)
	Heating H1		9.0 (1.7~10.5)
	Heating H2		8.10
Input	Cooling T1	kW	2.35 (0.54~3.00)
	Heating H1		2.57 (0.37~3.65)
Energy label	Cooling T1	Stars	2
	Heating H1		2
EER	Cooling T1		3.40
COP	Heating H1		3.50
	Heating H2		2.64
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	69
	Heating(Outdoor)		70
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	51-47-41-26
	Heating(Indoor)		48-45-40-37
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	48
	Heating(Outdoor)		50
Airflow	Cooling(Indoor)	l/s	350-308-250-133
	Heating(Indoor)		392-342-283-250
External dimensions (HXWXD)	Indoor	mm	318x1098x248
	Outdoor		845x970x370
Net weight	Indoor	kg	16
	Outdoor		63
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø15.88
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	2.2
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

DXK-ZMA-S.

Reverse Cycle Inverter.

DXK32ZMA-S

DXC32ZMA-S

Refrigerant Pipe Length

FUNCTIONS

Indoor			DXK32ZMA-S
Outdoor			DXC32ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	9.2 (2.4~10.0)
	Heating H1		10.0 (2.2~11.2)
	Heating H2		9.40
Input	Cooling T1	kW	2.54 (0.47~3.07)
	Heating H1		2.84 (0.43~3.76)
Energy label	Cooling T1	Stars	2.5
	Heating H1		2
EER	Cooling T1		3.62
COP	Heating H1		3.52
	Heating H2		2.80
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	67
	Heating(Outdoor)		67
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	51-47-41-26
	Heating(Indoor)		49-46-42-38
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	49
	Heating(Outdoor)		50
Airflow	Cooling(Indoor)	l/s	350-308-250-133
	Heating(Indoor)		392-342-283-250
External dimensions (HXWXD)	Indoor	mm	318x1098x248
	Outdoor		1300x970x370
Net weight	Indoor	kg	16
	Outdoor		92
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø15.88
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	3.15
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

eco touch REMOTE

change the settings with a **single touch**

Run / Stop

High power operation

Maximum capacity operation (15 mins max running time)

- Increased compressor speed
- Increased air flow

Energy-saving operation

- Changes set temperature at 28ºC in cooling mode and 22ºC in heating mode, 25ºC in auto mode.
- Operation correction by outdoor temperature

Main functions

Energy management

Peak cut timer • Automatic temperature set back • Weekly timer • Set ON/OFF timer by hour • Set ON/OFF timer by clock • Fan only operation • Sleep timer

Comfort

Individual flap control • High power operation • External ventilation ON/OFF • Warm up operation Automatic fan speed • Temperature increment setting by 0.5ºC

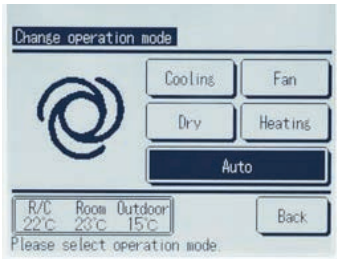
CONTROL

*Advanced touch screen panel with full dot **Liquid Crystal Display***

Easy operation

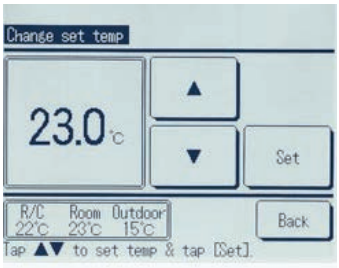
All settings are changed by **tapping the touch screen panel**

Operation mode setting screen



The operation mode can be operating by simply tapping this button.

Temperature setting screen



You can select the desired temperature by tapping the ▲▼ buttons.

Operating modes

Cooling | Dry | Auto | Fan | Heating

Convenience

LCD contrast setting • Back light setting • Filter clean sign • Control sound • Outdoor silent mode • Summer time setting • Home leave mode • Indoor & outdoor temperature display • Heating standby display • Defrosting operation display • Auto cooling/heating display • °C/°F display • Administrator settings • Room name setting

Service

Error code display • Operation data display • Next service data display • Contact company display • USB connection (mini-B)

DXU Series.

Inverter Ducted Air Conditioners.

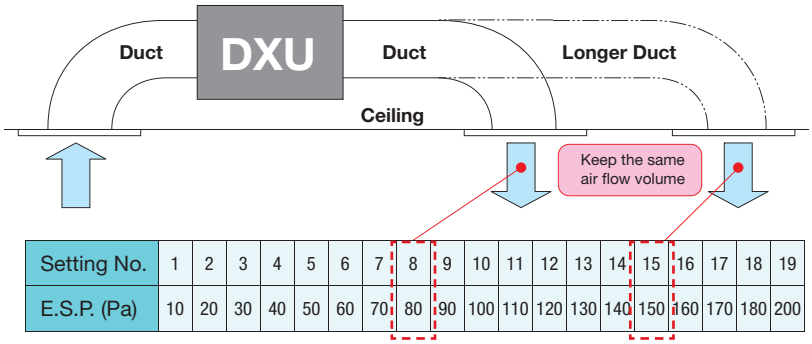
A Mitsubishi Heavy Industries ducted system lets you and your family enjoy the comfort of powerful air conditioning in every part of your home all year round. Quiet, efficient and reliable our ducted systems have a 5 year warranty so you can be sure you'll get quality air conditioning for years to come.

DXU Indoor Unit.

Duct Connected - High Static Pressure.

External static pressure (E.S.P.) control

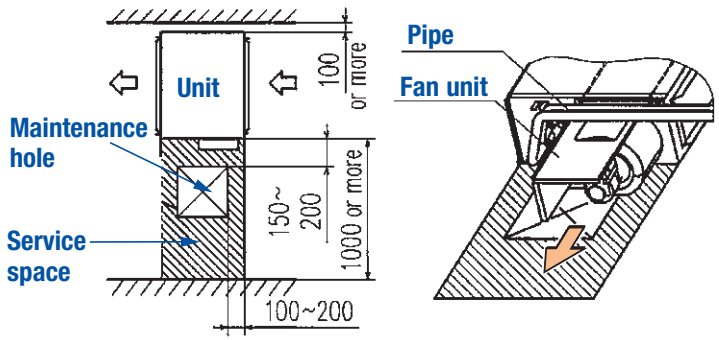
Selecting the external static pressure setting the optimum air flow volume can be achieved.
The indoor unit will recognize the external static pressure setting and keep rated air volume.



Setting No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
E.S.P. (Pa)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	200

Improved servicing

Fan unit (impeller and motor) can be pulled out from the right side of the unit. Maintenance is available from the right side or from beneath.



DXU Indoor Unit.

Duct Connected - High Static Pressure.

Remote Control Options

RC-EX1A

RC-E5

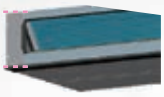
RCH-E3

Dimension

H 398

DXU34/43/48/55

H 280



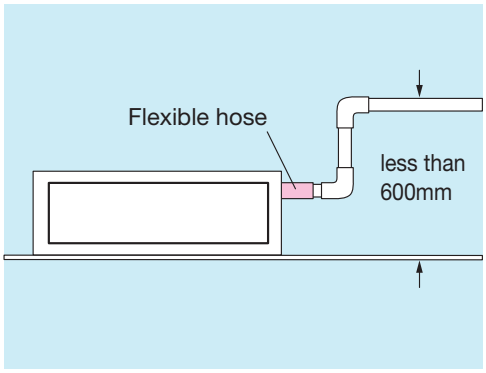
DXU24

Wireless

RCN-KIT3-E

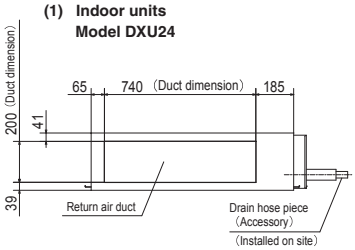
600mm Drain Pump

Drain can be discharged upwards by 600mm from the ceiling surface. It allows a piping layout with a high degree of freedom depending on the installation location.

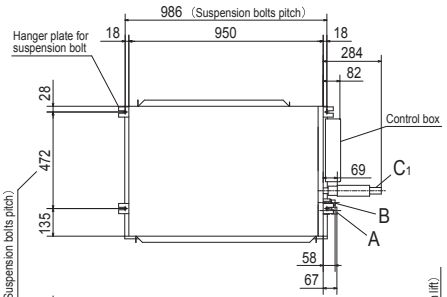


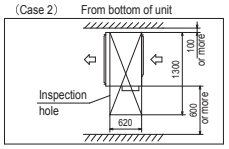
(1) Indoor units
Model DXU24

Unit:mm

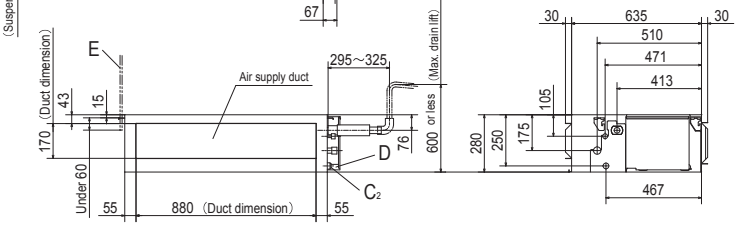


Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (I.D.25,O.D.32)
C2	Drain piping (Gravity drainage)	VP20 (I.D.20,O.D.26)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(450X450)





Note (1) The model name label is attached on the lid of the control box.



DXU

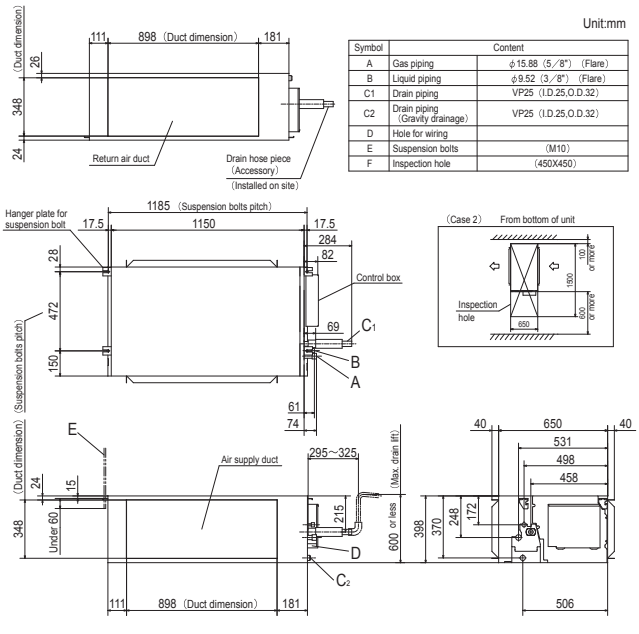
Set			DXU24VNXVF	DXU34VNXVF	DXU43VNXVF	DXU48VNXVF	DXU55VSVF
Indoor			**DXU24VF**	**DXU34VF**	**DXU43VF**	**DXU48VF**	**DXU55VF**
Outdoor			**DXC24VNX**	**DXC34VNX**	**DXC43VNX**	**DXC48VNX**	**DXC55VS**
Power supply	**Outdoor Unit**		**1 Phase 220-240V 50Hz**				**3 Phase 415V 50Hz**
Capacity	Cooling T1	kW	7.1 (3.2-8.0)	10.0 (4.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-14.5)	16.0 (7.0-20.0)
	Heating H1		8.0 (3.6-9.0)	11.2 (4.0-12.5)	14.0 (4.0-17.0)	16.0 (4.0-18.0)	18.0 (7.6-22.4)
Input	Cooling T1	kW	2.22	2.85	3.83	4.44	5.02
	Heating H1		2.22	2.74	3.68	4.41	4.96
EER	Cooling T1		3.20	3.51	3.26	3.15	3.19
COP	Heating H1		3.60	4.09	3.80	3.63	3.63
Sound pressure level (JIS C9612)	Indoor	dB(A)	P-Hi:38 Hi:33 Me:29 Lo:25	P-Hi:43 Hi:42 Me:40 Lo:37	P-Hi:45 Hi:43 Me:41 Lo:37	P-Hi:47 Hi:46 Me:43 Lo:40	P-Hi:49 Hi:48 Me:45 Lo:42
	Outdoor		51	48	48	49	57
Sound power level (JIS C9612)	Outdoor	dB(A)	66	70	70	72	74
Airflow	Indoor	l/s	P-Hi: 400 Hi: 317 Me: 250 Lo: 167	P-Hi:650 Hi:600 Me:550 Lo:483	P-Hi:717 Hi:650 Me:600 Lo:500	P-Hi:850 Hi:800 Me:700 Lo:600	
External static pressure		Pa	200				
External dimensions (HXWXD)	Indoor	mm	280x950x635	398x1150x650			
	Outdoor		750x880(+88)x340	1300x970x370			1505x970x370
Net weight	Indoor	kg	34	52			
	Outdoor		60	105			140
Refrigerant piping	Liquid line	mm	Ø9.52				Ø12.7
	Gas line		Ø15.88				Ø22.22 , Ø25.4 or Ø28.58
	Connection method		Flare Connection				Liquid: Flare Gas: Brazing
Refrigerant R410A	Quantity	kg	2.95	4.5			7.2
	Pre charged to pipe length	m	30				
Maximum pipe length		m	50	100			*70
Supply air connection		mm	170x880	348x898			
Return air connection		mm	200x740	348x898			
Controller			RC-EX1A Options RC-E5 or RCN-KIT3-E				

*If 22.22mm Suction Line, Maximum Pipe Length: =<30m.
If 25.4mm or 28.58mm Suction Line, Maximum Pipe Length: =>31m to =<70m.
There are 3 refrigerant piping accessories included.

Models DXU34/43/48

Unit:mm

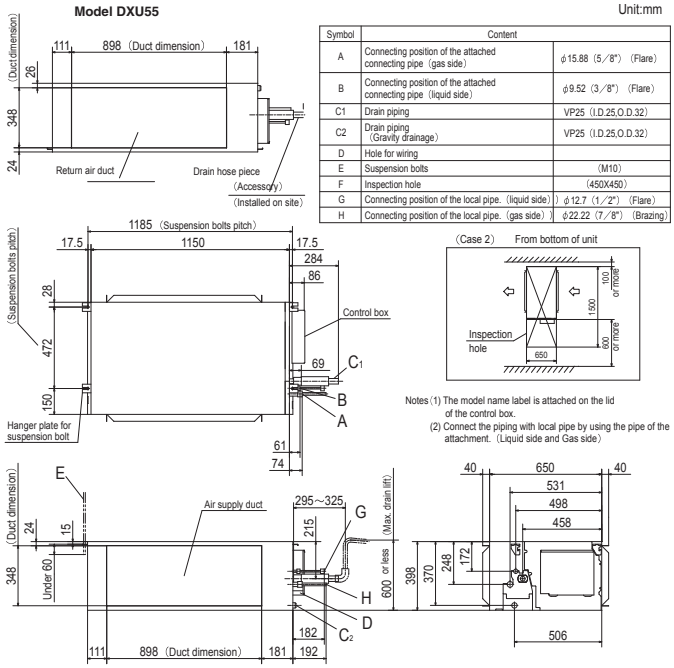
Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (I.D.25,O.D.32)
C2	Drain piping (Gravity drainage)	VP25 (I.D.25,O.D.32)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(450X450)



Model DXU55

Unit:mm

Symbol	Content	
A	Connecting position of the attached connecting pipe (gas side)	ϕ15.88 (5/8") (Flare)
B	Connecting position of the attached connecting pipe (liquid side)	ϕ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (I.D.25,O.D.32)
C2	Drain piping (Gravity drainage)	VP25 (I.D.25,O.D.32)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(450X450)
G	Connecting position of the local pipe. (liquid side)	ϕ12.7 (1/2") (Flare)
H	Connecting position of the local pipe. (gas side)	ϕ22.22 (7/8") (Brazing)



Notes (1) The model name label is attached on the lid of the control box.
(2) Connect the piping with local pipe by using the pipe of the attachment. (Liquid side and Gas side)

Outline drawing (Unit:mm)

FDT-VF.

Reverse Cycle Inverter Cassette.

4-way ceiling cassette

FDT60 ~ 140VF

Remote control (Option)

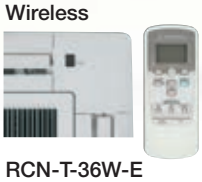
Wired

RC-EX1A

RC-E5

RCH-E3

Wireless



RCN-T-36W-E

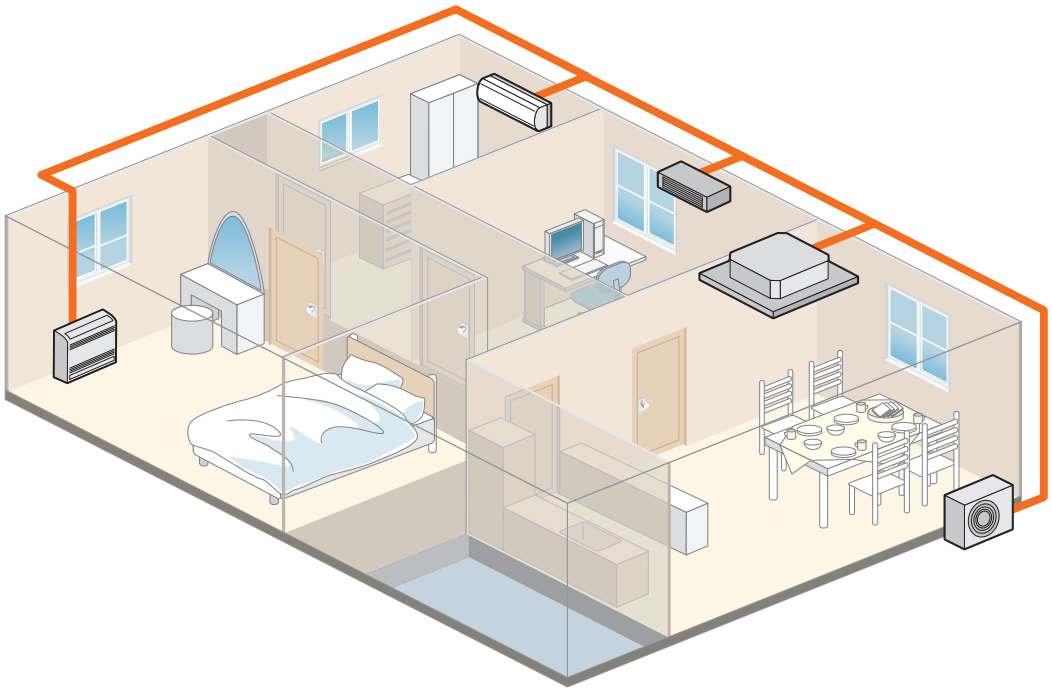
FDT

Set			**FDT60ZMXAVF**	**FDT71VNXVF1**	**FDT100VNVF1**	**FDT125VNXVF**	**FDT140VNXVF**
Indoor			**FDT60VF**	**FDT71VF1**	**FDT100VF1**	**FDT125VF**	**FDT140VF**
Outdoor			**SRC60ZMXA-S**	**FDC71VNX**	**FDC100VN**	**FDC125VNX**	**FDC140VNX**
Power supply	**Indoor Unit**		**1 Phase 220-240V 50Hz**				
Capacity	Cooling T1	kW	5.6 (1.1-6.3)	7.1 (3.2-8.0)	10.0 (4.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)
	Heating H1		6.7 (0.6-7.1)	8.0 (3.6-9.0)	11.2 (4.0-12.5)	14.0 (4.0-17.0)	16.0 (4.0-18.0)
	Heating H2		5.29	7.2	N/A	15.6	13.8
Input	Cooling T1	kW	1.52	2.04	2.76	3.28	4.19
	Heating H1		1.70	1.94	2.74	3.43	4.2
EER	Cooling T1		3.68	3.48	3.62	3.81	3.34
COP	Heating H1		3.94	4.12	4.09	4.08	3.81
Sound pressure level (JIS C9612)	Indoor	dB(A)	P-Hi:46 Hi:33 Me:31 Lo:30	P-Hi:46 Hi:35 Me:33 Lo:31	P-Hi:51 Hi:40 Me:37 Lo:35	P-Hi:51 Hi:42 Me:40 Lo:37	P-Hi:51 Hi:43 Me:41 Lo:38
	Outdoor		54	51	49	50	52
Sound power level (JIS C9612)	Outdoor	dB(A)	65	66	70	70	72
Airflow	Indoor	l/s	P-Hi: 466 Hi: 300 Me: 266 Lo: 233	P-Hi: 466 Hi: 350 Me: 316 Lo: 283	P-Hi: 616 Hi: 450 Me: 400 Lo: 333	P-Hi: 616 Hi: 500 Me: 450 Lo: 383	P-Hi: 616 Hi: 500 Me: 450 Lo: 383
Panel		mm	T-PSA-3BW-E (35x950x950)				
External dimensions (HXWXD)	Indoor	mm	246x840x840		298x840x840		
	Outdoor		640x800(+71)x290	750x880(+88)x340	845x970x370	1300x970x370	
Net weight	Indoor	kg	Unit 24 Panel 5.5		Unit 27 Panel 5.5		
	Outdoor		45	60	81	105	
Refrigerant piping	Liquid line	mm	Ø6.35	Ø9.52			
	Gas line		Ø12.7	Ø15.88			
	Connection method		Flare connection				
Refrigerant R410A	Quantity	kg	1.5	2.95	3.8	4.5	
	Pre charged to pipe length	m	15	30			
Maximum pipe length		m	30	50		100	
Controller			RC-EX1A Options RC-E5 or RCN-T-36W-E				

Manufacturers Specifications: All specfication tables are at nominal conditions. Refer to manufacturers technical manuals.

SCM.

Multi Residential Air Conditioner.



Compact

A Mitsubishi Heavy Industries inverter multi-split system allows 2 to 6 indoor units to be connected to a single outdoor unit. This allows multiple rooms to be conditioned without adding clutter to the exterior of your home. One compact multi-split outdoor unit instead of many outdoor units not only adds to the aesthetic appeal your home but can be necessary when there is not much space available, for example, when installing outdoor units on balconies or verandahs.

Installation Flexibility

With a generous maximum piping length of 70m*, you are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience. In addition, a maximum height difference of 25m* for the indoor units means the Mitsubishi Heavy Industries inverter multi-split system can easily service multi storey homes.

Variety of Indoor Units

The indoor unit range includes wall mounted, floor standing, low static bulkhead or compact cassettes in a wide range of capacities. This makes hundreds of combinations possible for your home. You can choose the right type of indoor unit to complement the interior décor and match the size of each room.

Independent Control and Comfort

Each indoor unit comes with its own remote allowing the unit to be switched on/off and have the temperature adjusted as needed. The conditions of rooms can vary greatly depending on many variables such as the number of occupants or the way the room is used. With a range of comfort, air flow and convenience functions on each indoor unit, you can adjust the settings to match the individual requirements of a room. When a room is unoccupied you can switch off the unit to reduce inefficient energy use.

5 Year Warranty

When you buy a Mitsubishi Heavy Industries inverter multi-split system, you are getting an air conditioning solution from a company that has some of the highest quality products in the industry. Mitsubishi Heavy Industries enjoys a reputation for outstanding quality and is highly respected both in the Australian and overseas markets. With our 5 Year Warranty covering the parts, labour and compressor, you can have peace of mind that your new Mitsubishi Heavy Industries inverter multi-split system will continue to deliver air-conditioning comfort to your home for many years.

*Please check model specifications as these pipe lengths and height differences do not apply to all models.

Before starting use

Heating performance
The heating performance values (kW) described in catalog are the values obtained by operating at an outdoor temperature of 7C and indoor temperature of 20C as set forth in the ISO Standards. As the heating performance decreases as the outdoor temperature drops, if the outdoor temperature is too low and the heating performance is insufficient, use other heating appliances as well.

Indication of sound values
The sound values are the values (A scale) measured in a chamber such as an anechoic chamber following the ISO Standards. In the actual installation state, the value is normally larger than the values given in the catalog due to the effect of surrounding noise and echo. Take this into consideration when installing.

Use in oil atmosphere
Avoid installing this unit in as atmosphere where oil scatters or builds up, such as in a kitchen or machine factory.
If the oil adheres to the heat exchanger, the heat exchanging performance will drop, mist may be generated, and the synthetic resin parts may deform and break.

Use in acidic or alkaline atmosphere
If this unit is used in acidic atmosphere such as hot spring areas having high level of sulfuric gases or in alkaline atmosphere including ammonia or calcium chloride, places where the exhaust of the heat exchanger is sucked in, or at coastal areas where the unit is subject to salt breezes, the outer plate or heat exchanger, etc., will corrode. Please ask a dealer or specialist when you use an air conditioner in places differing from a general atmosphere.

Use in places with high ceilings
If the ceiling is high, install a circulator to improve the heat and air flow distribution when heating.

Refrigerant leakage
The refrigerant (R410A) used for Air conditioner is non-toxic and nonflammable in its original state.
However, in consideration of a state where the refrigerant leaks into the room, measures against refrigerant leaks must be taken in small rooms where the tolerable level could be exceeded. Take measures by installing ventilation devices, etc.

Use in snowy areas
Take the following measures when installing the outdoor unit in snowy areas.

Snow prevention
Install a snow-prevention hood so that the snow does not obstruct the air intake port or enter and freeze in the outdoor unit.

Snow piling
In areas with heavy snow fall, the piled snow could block the air intake port. In this case, a frame that is 50cm or higher than the estimated snow fall must be installed underneath the outdoor unit.

Automatic defrosting device
If the temperature is low, and the humidity is high, frost will stick to the heat exchanger of the outdoor unit. If use is continued, the heating performance will drop. The “Automatic defrosting device” will function to remove this frost. After heating for approx, three to ten minutes, it will stop, and the frost will be removed. After defrosting, hot air will be blown again.

Servicing the air-conditioner
After the air-conditioner is used for several seasons, dirt will build up in the air-conditioner causing the performance to drop. In addition to regular servicing, we recommend the maintenance contract (charged for) by a specialist.

⚠ Safety Precautions

Air-conditioner usage target
The air-conditioner described in this catalog is a dedicated cooling/heating device for human use.
Do not use it for special applications such as the storage of foodstuffs, animals or plants, computer server rooms, precision devices or valuable art, etc.
This could cause the quality of the items to drop, etc.
Do not use this for cooling vehicles or ships. Water leakage or current leaks could occur.

Before use
Always read the “User,s Manual” thoroughly before starting use.

Installation
Always commission the installation to a dealer or specialist. Improper installation will lead to water leakage, electric shocks and fires.
Make sure that the outdoor unit is stable in installation. Fix the unit to stable base.

Usage place
Do not install in places where combustible gas could leak or where there are sparks.
Installation in a place where combustible gas could be generated, flow or accumulate, or places containing carbon fibers could lead to fires.

Only persons that are qualified and licensed are permitted to install and service products that contain refrigerants in Australia, go to www.arctick.org.
Suitable access for service must be provided in compliance with industry standards and local regulations.

MITSUBISHI HEAVY INDUSTRIES
AIR-CONDITIONERS AUSTRALIA, PTY. LTD.
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ISO9001
Our Air Conditioning & Refrigeration Systems Headquarters is an ISO9001 approved factory for residential air conditioners and commercial-use air conditioners (including heat pumps).

BIWAJIMA PLANT
Mitsubishi Heavy Industries, Ltd.
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Certificate Number : 04104 1998 0813 E5

FIVE YEAR WARRANTY 5/5/5
PARTS • LABOUR • COMPRESSOR

Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice. E&OE.

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