

MITSUBISHI HEAVY INDUSTRIES AND PACIFIC VENTILATION JOIN TO DELIVER EXPERT AIR SOLUTIONS.

Mitsubishi Heavy Industries KX VRF products have joined forces with Pacific Ventilation DX-AHU's to deliver industry leading air ventilation solutions to the Australian Market.

The collaboration will allow for cleaner, safer air for a range of commercial applications including Health, Education, Retail, Infrastructure, Manufacturing, and Commercial/Residential Ventilation.



PACIFIC VENTILATION DX-AHU

Geniox is designed as a modular air handling unit making it one of the most flexible AHU's available. Each function is placed into an air handling unit casing consisting of one or more modules.

The modular functions can be configured for many different applications to make up the heart of any ventilation system.

Available in Standard & Fresh Series	Air flows from 580L/s - 7500L/s	Cooling capacity range from 25kW - 150kW
Fully Customisable - Built to specifications & full range of options	Modular Design - Space saving, transport efficient	
A+ Euro Vent Certification - The leading European Standard	Automatically generated technical calculations	



DX-AHU

SUITABLE FOR A WIDE VARIETY OF INDUSTRY APPLICATIONS



RETAIL



INDUSTRIAL



RESIDENTIAL



INFRASTRUCTURE



HEALTHCARE



EDUCATION



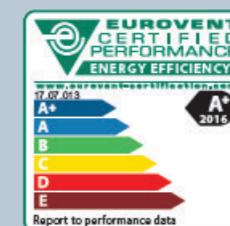
HOSPITALITY



BUSINESS

CERTIFICATIONS FOR DX-AHU

- Eurovent - EN 1886
- VDI 6022-1 Hygiene requirements
- Eco design 1253/2014
- EU Machinery Directive 2006/42/EEC

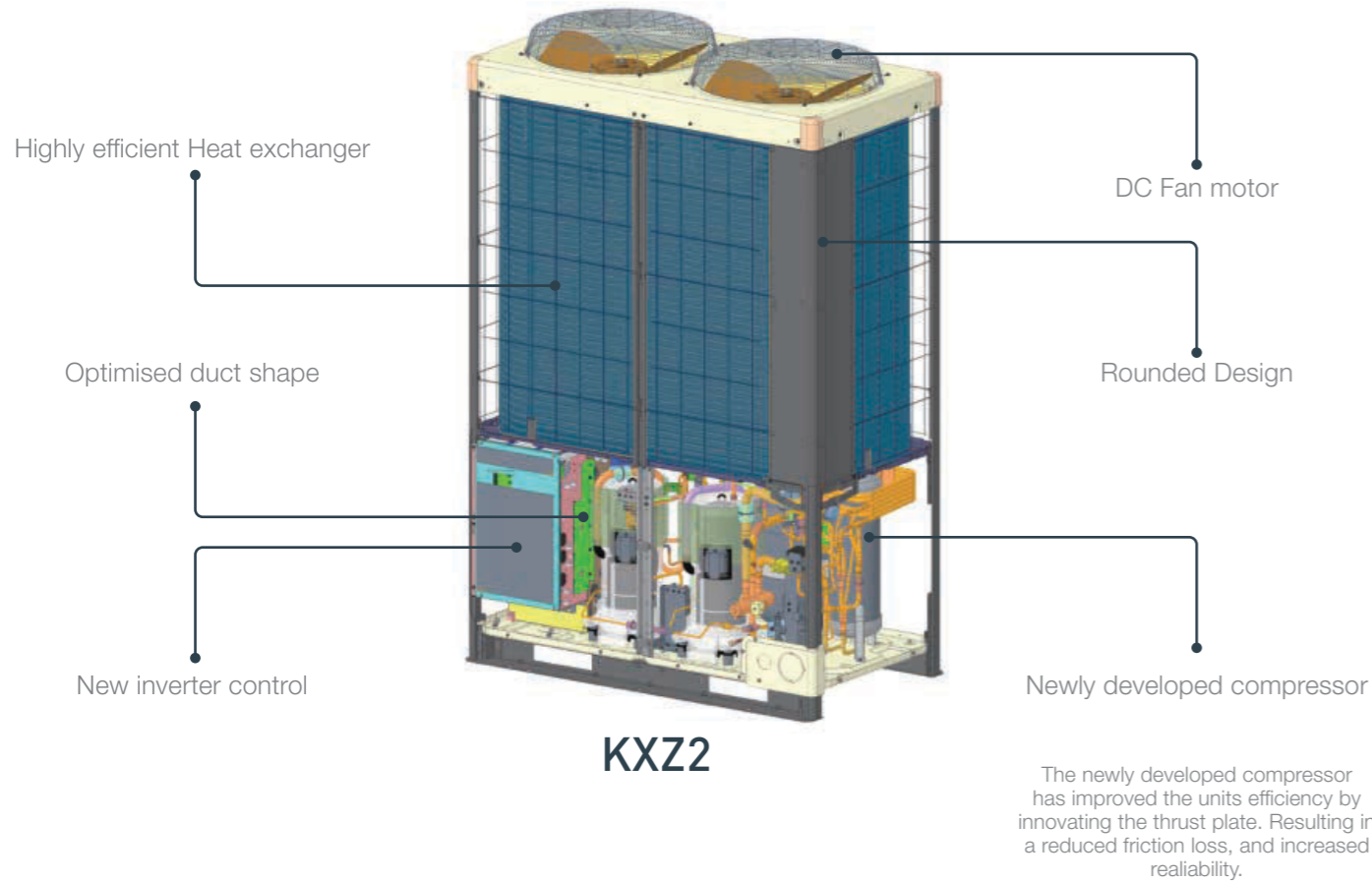


MITSUBISHI HEAVY INDUSTRIES VRF

Mitsubishi Heavy Industries high performance VRF Systems come in a variety of sizes, ranging from 22.4kW up to 168kW and can be combined making them ideal for commercial applications.

With a wide selection of models to suit all building types, these versatile systems offer variable temperature and capacity control for improved efficiency, performance, and operation.

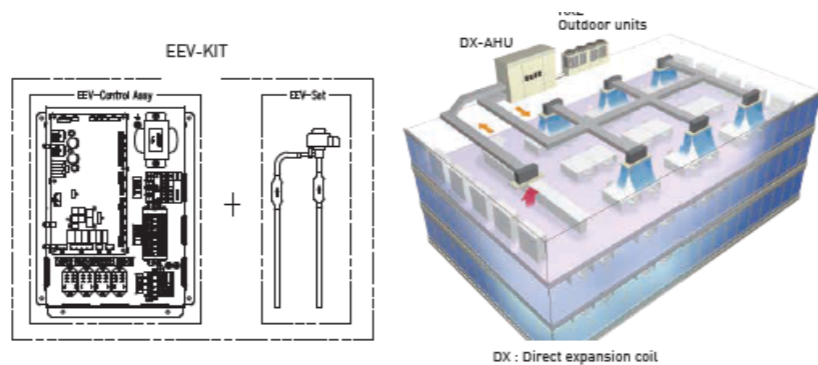
- From 22.4kW up to 168kW
- Wide operating range up to 46°
- Easy Transport and Installation
- Long piping up to 1,000m
- Low noise operation, down to 56dB(A)



MITSUBISHI HEAVY INDUSTRIES EEV KIT

EEV-KIT is the control kit for operating the locally provided AHU with direct expansion heat exchanger coils in connection with the KXZ system.

- EEV-KIT is composed of one EEV-Control ASSY and one EEV-Set
- Available for Single and Multi-Refrigerant Systems



PRODUCT SPECIFICATIONS DX-AHU STANDARD SERIES

Model	KXAHU250-S	KXAHU320-S	KXAHU500-S	KXAHU800-S	KXAHU1000-S	KXAHU1300-S	KXAHU1500-S
Total Cooling Capacity	25.0	32.0	52.6	78.1	103.2	129.8	150.5
Sensible Cooling Capacity	19.0	23.6	38.6	58.0	76.7	95.0	106.1
Total heating capacity	28.1	36.0	57.7	67.2	108.2	138.5	159.5
Supply air	1300	1500	2400	4000	5000	6000	7500
Fresh air	390	450	720	1200	1500	1800	2250
Designed Ambient temperature	°CDB/°CWB						
Air on coil temperature	°CDB/°CWB						
ESP, Initial Static Pressure	Pa						
Coil type	DX						
Refrigerant type	R410A						
Coil face velocity	2.23	1.82	1.91	1.61	1.93	1.79	R410A
Coil Size	9.52	9.52	9.52	9.52	9.52	9.52	2.19
Fan characteristics	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan
Type	RH50CCR/SM20-B28	RH40CCR/SM20-B28	RH56CCR/SM20-B38	RH56CCR/SM20-B28	RH56CCR/SM20-B38	RH63CCR/SM25-B38	RH63CCR/SM25-B38
Model	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
Power supply	3.0	3.0	5.5	8.0	11.0	11.0	15.0
Power consumption	6.40	6.40	11	16.2	22.0	22.0	30.0
Rated current	G4	G4	G4	G4	G4	G4	G4
Panel filter class	F7	F7	F7	F7	F7	F7	F7
Bag filter class							
Dimension (HxWxD)	980 x 1,682 x 4,442	980 x 1,682 x 4,442	1280 x 2,082 x 5,142	1,580 x 2,782 x 5,542	1,680 x 2,782 x 5,742	1,780 x 3,182 x 5,742	1,980 x 2,982 x 5,906
Net Weight, kg	832	860	1384	1976	2,334	2,469	2,536
Sound pressure level*	45.8	43.5	43.2	45.5	46.9	45.5	46.6
Panel	60	60	60	60	60	60	60
Panel Insulation	Rock wool	Rock wool	Rock wool	Rock wool	Rock wool	Rock wool	Rock wool
Density	60	60	60	60	60	60	60
Refrigerant control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Expansion Valve (EEV Set)	EEV6-280-E / 1	EEV6-160-E / 2	EEV6-280-E / 2	EEV6-280-E / 3	EEV6-280-E / 4	EEV6-280-E / 5	EEV6-280-E / 6
EEV Control Board	EEVKIT6-E-C / 1	EEVKIT6-E-C / 2	EEVKIT6-E-C / 2	EEVKIT6-E-C / 3	EEVKIT6-E-C / 4	EEVKIT6-E-C / 5	EEVKIT6-E-C / 6
Operation Temperature Range	°CDB						
	°CWB						
	-15 - 46						
	-20 - 15.5						

DX-AHU FRESH SERIES

Model	KXAHU250-F	KXAHU320-F	KXAHU500-F	KXAHU800-F	KXAHU1000-F	KXAHU1300-F	KXAHU1500-F
Total Cooling Capacity	kW	31.1	51.6	78.8	104.5	131.7	150.4
Sensible Cooling Capacity	kW	12.8	20.8	31.6	42.0	53.0	60.5
Total heating capacity	kW	22.0	34.8	51.4	68.2	88.2	98.6
Supply air	L/s	580	1150	1700	2270	3040	3400
Fresh air	L/s	580	1150	1700	2270	3040	3400
Designed Ambient temperature	*CDB/*CWB	33/28					
Air on coil temperature	*CDB/*CWB	7/6					
ESP. Initial Static Pressure	Pa	650					
Coil type	DX	DX	DX	DX	DX	DX	DX
Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Coil face velocity	m/s	2.0	1.64	1.57	1.72	1.79	1.69
Coil Size	mm	9.52	9.52	9.52	9.52	9.52	9.52
Fan characteristics	Type	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan	AC Plug fan
	Model	RH31TCR/SM12-B24	RH90CCR/SM20-B28	RH50CCR/SM20-B28	RH56CCR/SM20-B28	RH56CCR/SM20-B38	RH63CCR/SM25-B38
	Power supply	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50	3 / 400 / 50
	Power consumption	1.10	3.0	3.0	4.00	5.5	5.5
	Rated current	2.52	6.40	6.40	8.15	11.0	11.0
	Panel filter class	G4	G4	G4	G4	G4	G4
	Bag filter class	F7	F7	F7	F7	F7	F7
Dimension (HxWxD)	mm	730 x 1,182 x 2,642	980 x 1,082 x 2,842	980 x 1,682 x 3,242	1,080 x 1,882 x 3,342	1,280 x 2,082 x 3,642	1,480 x 2,082 x 3,842
Net Weight, kg	kg	398	448	704	808	1,122	1,339
Sound pressure level*	dB(A)	38.4	38.0	44.6	41.0	41.9	41.6
Panel	mm	60	60	60	60	60	60
Panel Insulation	Type	Rock wool	Rock wool	Rock wool	Rock wool	Rock wool	Rock wool
	Density	60	60	60	60	60	60
Refrigerant control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Expansion Valve (EEV Set)	Model/Pcs	EEV6-280-E / 1	EEV6-160-E / 2	EEV6-280-E / 2	EEV6-280-E / 3	EEV6-280-E / 5	EEV6-280-E / 6
EEV Control Board	Model/Pcs	EEVKIT6-E-C / 1	EEVKIT6-E-C / 2	EEVKIT6-E-C / 2	EEVKIT6-E-C / 3	EEVKIT6-E-C / 5	EEVKIT6-E-C / 6
Operation Temperature Range	*CDB	-15 - 46					
	*CWB	-20 - 15.5					

DX-AHU AVAILABLE OPTIONS

DX-AHU are fully customisable to project requirements, with a range of options available.

ROOF

DX-AHU is available as a roof unit for outdoor installations and can be delivered with four different types:

- Bitumen membrane roof
- Rubber sheeting roof
- Steel profile roof
- Flat steel roof



FAN TYPES

- AC Plug Fan - Small/Medium/Large impelle2
- Kitchen Fan option



HEAT RECOVERY

- Rotary heat exchanger
- Plate heat exchanger
- Run-around coil heat exchangers

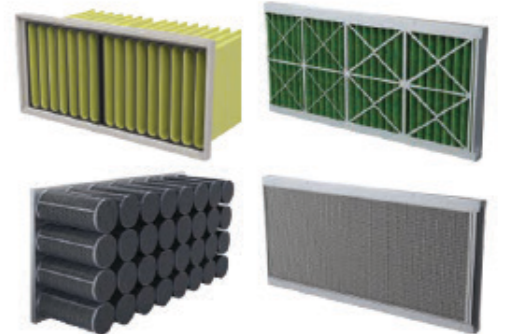


COILS

- DX Coil

FILTERS

- Panel filters
- Bag filter - Medium and Fine
- Metal filter
- Carbon filter
- HEPA filter
- Deltri+ filter



OTHER OPTIONS

- Damper
- Sound attenuator
- Duct connection part
- Outdoor air section



THE EXPERTS IN AIR

mhiaa.com.au

ABN 92 133 980 275

Australia:

Phone: **1300 138 007**

NSW & Head Office

Block E, 391 Park Road, Regents Park NSW 2143

Victoria

2/15 Howleys Road, Notting Hill VIC 3168

Brisbane

5/26 Flinders Parade, North Lakes QLD 4509

Adelaide

T50 Innovation House, Mawsons Lakes Boulevard, Mawsons Lakes SA 5095

Townsville

1/37 Ross River Road, Mysterton QLD 4812

Western Australia

1/15-17 Capital Road, Malaga WA 6090

Mitsubishi Heavy Industries Air-conditioners Australia, Pty. Ltd.

MOVE THE WORLD FORWARD  MITSUBISHI
HEAVY
INDUSTRIES
GROUP