

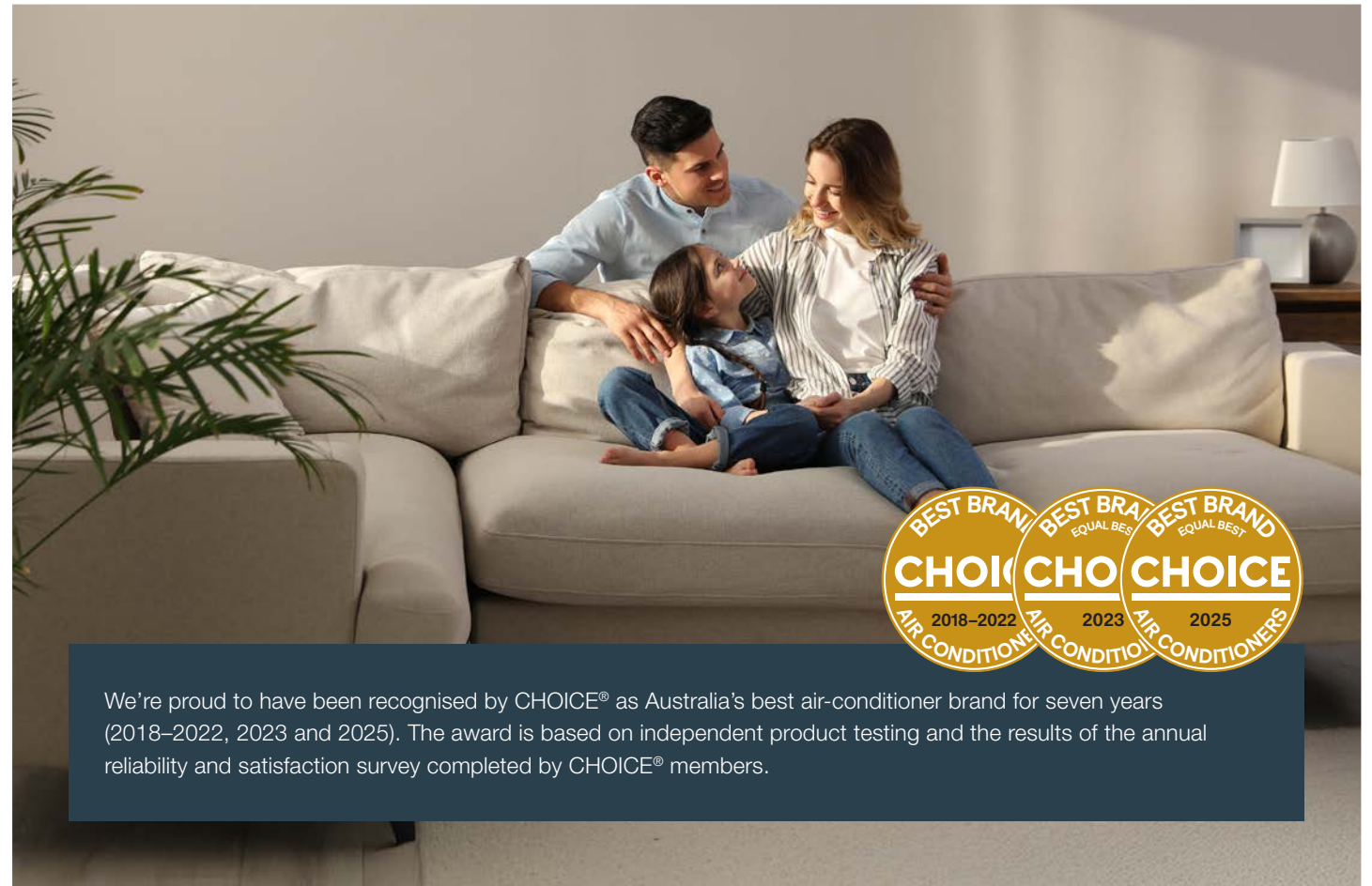


CEILING SYSTEMS

HEATING AND COOLING SOLUTIONS



We're proud to have been named by Canstar Blue as having the most satisfied customers of any air-conditioner brand for six years (2019–2023 and 2025). Canstar Blue's annual air-conditioner review rates brands on functionality and features, noise, ease of use, reliability, value for money and overall consumer satisfaction.



We're proud to have been recognised by CHOICE® as Australia's best air-conditioner brand for seven years (2018–2022, 2023 and 2025). The award is based on independent product testing and the results of the annual reliability and satisfaction survey completed by CHOICE® members.

MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONERS AUSTRALIA

Mitsubishi Heavy Industries Air-Conditioners Australia (MHIAA) is one of Australia's leading suppliers of premium residential and commercial air conditioning systems. Backed by over 140 years of global engineering expertise, our products are renowned for their reliability, performance and advanced technology.

Innovation is at the heart of everything we do. From product development through to manufacturing, our engineering-led approach ensures each system is designed to enhance comfort, optimise efficiency and deliver long-term value - while contributing to a more sustainable future.

COMMITTED TO QUALITY

Quality underpins every MHIAA system. Each product undergoes rigorous quality assurance testing to ensure consistent performance, durability and reliability.

Supported by comprehensive after-sales service and strong warranty coverage, our commitment to quality provides confidence and peace of mind long after installation.

5 YEARS PARTS AND LABOUR WARRANTY

Mitsubishi Heavy Industries Air-conditioners Australia focuses exclusively on high-performance air conditioning solutions designed for Australian conditions. Every system is built using high-quality components and backed by a full 5-year parts and labour warranty, reinforcing our commitment to reliability and long-term support.



EXCEEDING ENERGY PERFORMANCE STANDARDS

To comply with Australian standards and deliver the most efficient solutions possible to our customers, all Mitsubishi Heavy Industries Air-conditioners Australia systems meet and exceed the Minimum Energy Performance Standards (MEPS).



Key Features and Functions

Our ceiling systems come with a number of key convenient features and functions that are designed to ensure your comfort all year round. See page 9 for full list of all features and functions.



HIGH POWER OPERATION

Provides 15mins of boosted power allowing you to quickly heat or cool your home before returning to normal operation. Perfect for when you first turn on the unit.



WEEKLY TIMER

Set up to 4 timer operations a day (max 28 per week). Once set, the unit will turn on and off at the specified times of the day repeatedly.



SLEEP TIMER

Allows you to set a preset amount of time between 30 and 240 minutes for your unit to operate before switching off



SILENT OPERATION

Program periods where the unit will operate with reduced noise levels.



BUILT-IN DRAIN PUMP

The built-in drain pump, which includes a lift of 850mm, allows greater flexibility with installation, offering a great solution for applications with limited space*.



VERTICAL AUTO SWING

Set the vertical louvres on your unit to move up and down continuously during operation. This function allows you to set the up/down swing position of the louvre to your preferred angle.

*Applicable to FDT and FDTC products

Our Technology

IMPROVED HEAT EXCHANGER

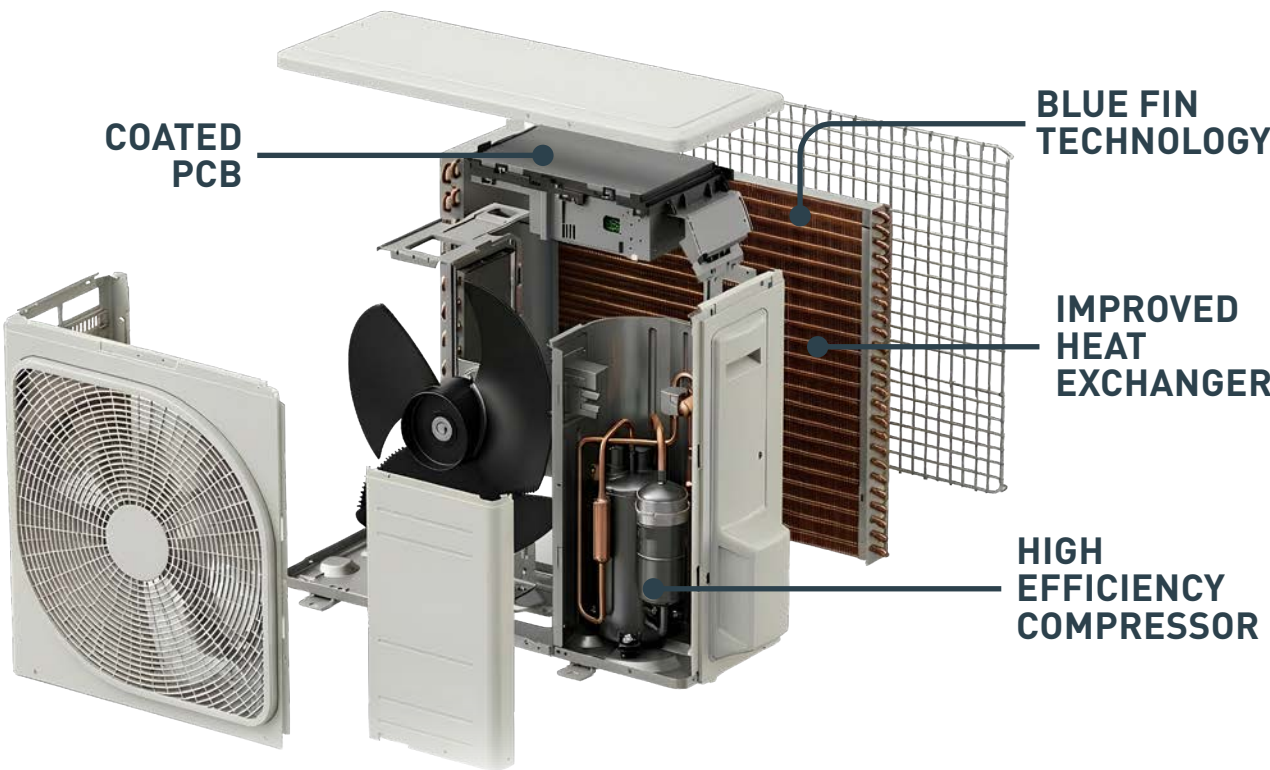
Redesigned to improve refrigerant flow and increase heat transfer efficiency. A larger surface area allows more effective exchange of heat, helping the system deliver faster heating and cooling while using less energy.

COATED PCB

A protective coating is applied to the outdoor unit's circuit board to shield it from moisture, dust and humidity. This helps prevent corrosion and electrical damage, improving long-term reliability in varying weather conditions.

BLUE FIN TECHNOLOGY

A specially formulated coating is applied to the outdoor heat exchanger to resist corrosion and frost build-up. This protects critical components from harsh environments, maintaining performance and extending system lifespan.



HIGH EFFICIENCY COMPRESSOR

The compressor circulates refrigerant through the system to heat or cool your home. High-efficiency design, combined with advanced motor technology, reduces energy loss and noise while delivering strong, consistent performance.

DC PAM INVERTER

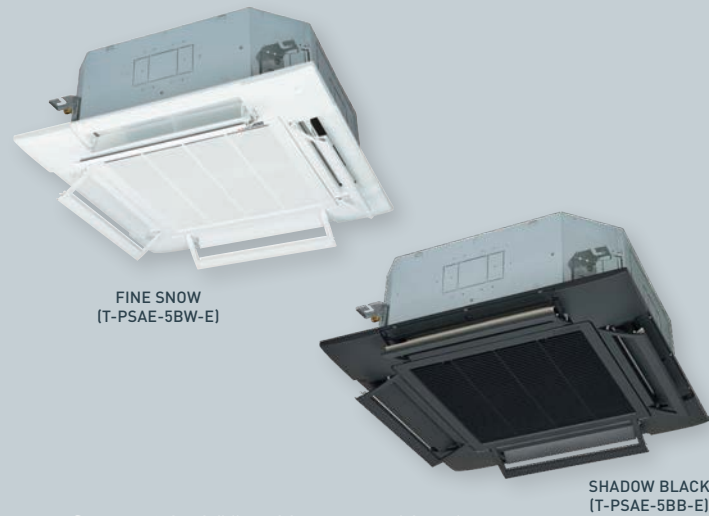
Adjusts power output in real time to reach the desired temperature quickly, then reduces compressor speed to maintain it efficiently. This minimises energy loss while delivering stable, consistent comfort.

WIDE OPERATION RANGE

Engineered to operate in extreme outdoor conditions, delivering reliable heating in temperatures down to -20°C and effective cooling in heat up to 50°C. This ensures consistent performance and comfort, even in demanding climates.*

*Excludes VNP-W models

FDT Series



See pg. 9 for full list of features and functions

Control Solutions

Wired



RC-EXZ3D

Wireless



RCN-T-5BW-E2 (FINE SNOW)
RCN-T-5BB-E2 (SHADOW BLACK)

Motion Sensor



LB-T-5BW-E (FINE SNOW)
LB-T-5BB-E (SHADOW BLACK)

FDTC Series



GRID PANEL
(TC-PSAGE-5AW-E)

See pg. 9 for full list of features and functions

Control Solutions

Wired



RC-EXZ3D

Wireless



RCN-TC-5AW-E3 (FINE SNOW)

Motion Sensor



LB-TC-5W-E

Four Way Ceiling Cassette

5.6kW | 7.1kW | 10.0kW | 12.1kW | 12.5kW | 14.0kW

EASY MAINTENANCE

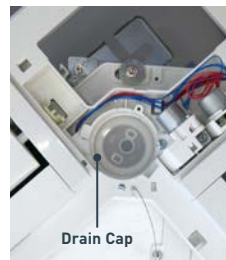
Easily check the drain pan by simply removing the corner panel.



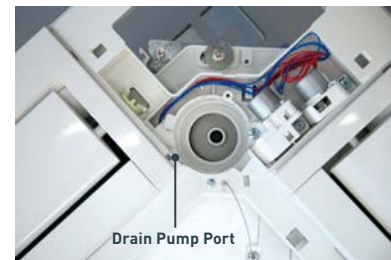
Remove cover lid



Remove drain cap cover and check the condition. To clean, firstly remove the rubber plug to drain water before removing the drain cap.



Drain Cap



Clean up the area around the drain pump port.

DRAUGHT PREVENTION PANEL

The Draught Prevention Panel utilises 4 specially designed louvres to direct airflow horizontally along the ceiling, eliminating uncomfortable draughts.

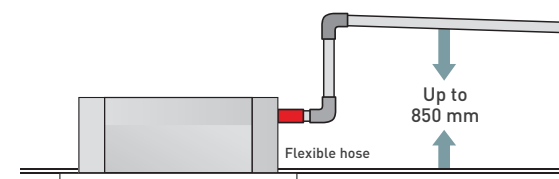


BUILT-IN DRAIN PUMP

Drain can be discharged upwards by 850mm from the ceiling surface allowing for flexible piping layout to suit many applications.

INDIVIDUAL LOUVRE CONTROL

Individually control each of the four louvre's position, to deliver varied airflow in all directions.



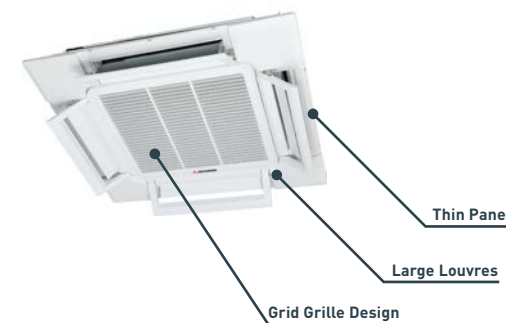
Compact Four Way Ceiling Cassette

2.5kW | 3.5kW | 5.0kW | 5.6kW



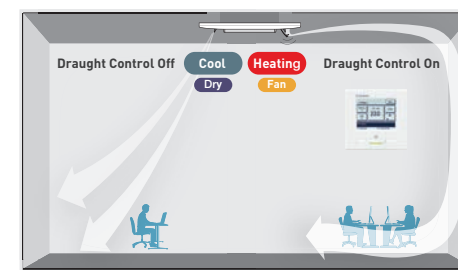
FLAT PANEL AND GRILL DESIGN

Weighing only 14kgs, with a main body height of only 248mm and fascia panel of only 10mm, the new FDTC series can be easily installed in a huge range of applications where space may be limited.



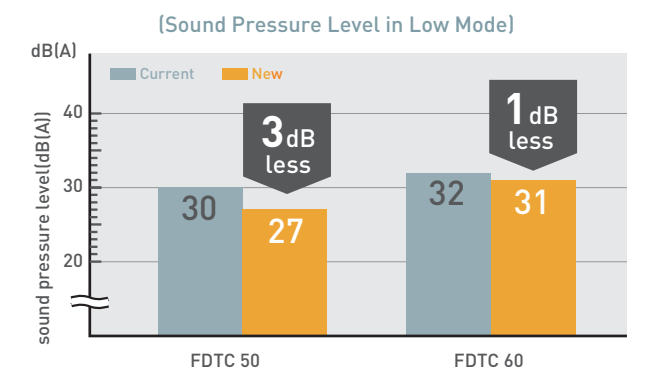
DRAUGHT PREVENTION PANEL

The Draught Prevention Panel utilises 4 specially designed louvres to direct airflow horizontally along the ceiling, eliminating uncomfortable and annoying draughts.



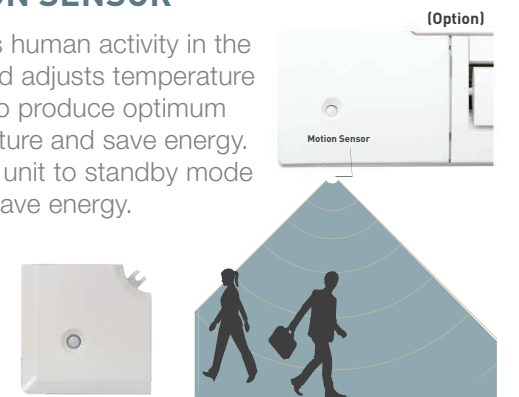
QUIETER OPERATION

New and improved turbo fan and heat exchanger design has allowed for a reduction in operation noise.



MOTION SENSOR

Monitors human activity in the room and adjusts temperature setting to produce optimum temperature and save energy. Will turn unit to standby mode to also save energy.





Control Solutions

Wired



RC-EXZ3D

Wireless



RCN-E-E3

Motion Sensor



LB-E

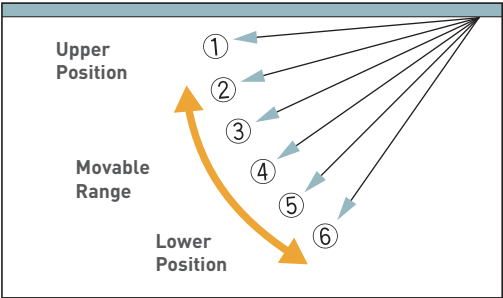
See pg. 9 for full list of features and functions

Ceiling Suspended

7.1kW | 10.0kW | 12.1kW | 12.5kW | 14.0kW

ADJUSTABLE LOUVRES

Set the louvres in a number of fixed positions for effective air distribution.



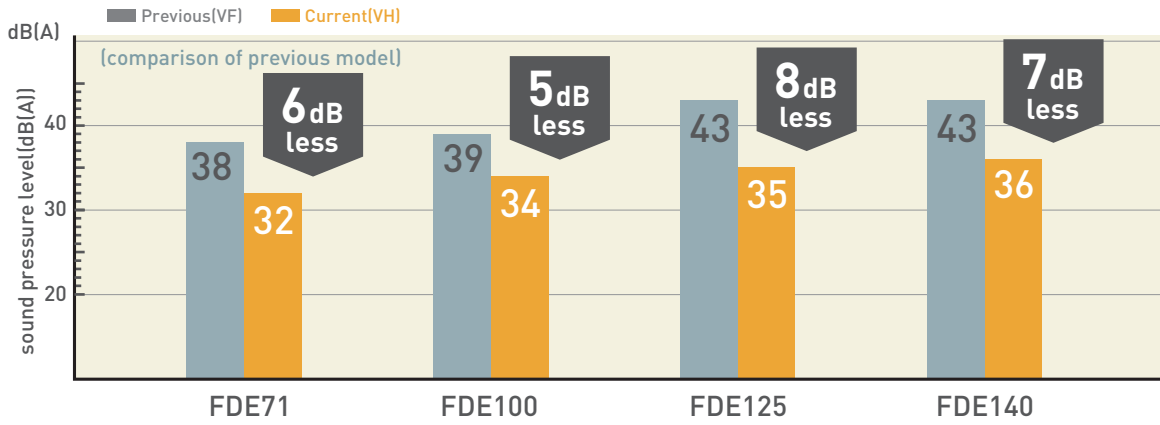
SLIM LIGHTER DESIGN

By reducing the number of fan motors, the FDE series has been able to adopt a slim and more lightweight design.

	Previous (VF)		Current (VH)	
FDE71	37	➡	33	4kg less!
FDE100	49	➡	43	6kg less!
FDE125	49	➡	43	6kg less!
FDE140	49	➡	43	6kg less!

REDUCED OPERATION NOISE

By adjusting airflow volume and decreasing pressure loss by utilising one single fan motor, the FDE series boasts some of the industry's lowest operation noise levels.



	FUNCTION	DESCRIPTION	FDT	FDTC	FDE
AIR FLOW	 Louvre Control System	Set the upper and lower limit positions of the louvre at each air outlet individually, providing you with complete control over interior air flow.	●	●	●
	 Automatic Fan Speed	The unit's on-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.	●	●	●
	 Vertical Auto Swing	The vertical louvres on your unit will move up and down continuously during operation. This function allows you to set the up/down swing position of the louvre to your preferred operation angle.	●	●	●
CLEAN AIR	 Air Filter	The air filter in the unit traps and removes airborne dust particles and other allergens to provide you with a clean air function.	●	●	●
	 Filter Sign	Warning that alerts you to when the filter needs to be cleaned.	●	●	●
	 Outside Air Intake	Provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.	●	Optional	
MAINTENANCE	 Self Diagnostics	The internal microcomputer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.	●	●	●
	 Built-in Drain Pump	The built-in drain pump, which includes a lift of 850mm, allows greater flexibility with installation, offering a great solution for applications with limited space.	●	●	
	 Set Temperature Auto Return*	Allows you to program a preferred set temperature that the unit will return to each time it is operated.	●	●	●
ENERGY SAVING	 Home Leave Operation*	Ensures that when the room is unoccupied for long periods of time, the unit will maintain a moderate indoor temperature, avoiding extremely hot or cool temperatures.	●	●	●
	 Peak-Cut Timer*	Preset the capacity limit during certain periods of the day, minimising energy consumption during peak billing times, thus reducing operation costs.	●	●	●
OPERATION	 Hi Power Operation*	Provides 15mins of boosted heating or cooling power before returning to normal operation. Perfect for when first using the unit.	●	●	●
	 Silent Operation	Allows you to program periods where the unit will operate with reduced noise levels, perfect for night time and an uninterrupted sleep	●	●	●
	 Automatic Operation	Automatically selects the required heating or cooling function based on the current room conditions.	●	●	●
	 Weekly Timer	Set your unit to turn on and off automatically on a weekly basis to suit your usual room usage on each day.	●	●	●
	 Sleep Timer	Set a pre-determined amount of time between 30 and 240 mins that your unit will operate for before switching off.	●	●	●
	 Function Switch*	From the six available functions on the unit, this function allows you to set two functions to operate automatically. (Note: this is not available when a centralised remote control is connected).	●	●	●

*Functions can only be enabled using RC-EXZ3D wired controller.
On/off timer, weekly timer and sleep timer are disabled if Wi-Fi accessory connected. Similar functions can be set via the AC Cloud application.

Control Solutions

WIRED CONTROLLERS



RC-EXZ3D

- Large, 3.8" backlit LCD touch screen with easy to navigate menu.
- Control the set temperature, operation mode and fan speed.
- Access timer and scheduling functions.
- Access additional features including Home Leave mode, Silent Mode, High Power mode plus many more.
- Multi-language display (6 languages).

WIRELESS KITS AND REMOTE CONTROLS

KEY FEATURES

- Hi Power Mode
- Energy Saving Mode
- Home Leave Mode
- Silent Mode
- On / Off Timer
- Child Lock

FDT



RCN-T-5BW-E2 (FINE SNOW)



RCN-T-5BB-E2 (SHADOW BLACK)

FDTC



RCN-TC-5AW-E3 (FINE SNOW)

FDE



RCN-E-E3

THERMISTOR (OPTIONAL)

Used in cases where the sensor in the indoor unit or the remote control can not detect the room temperature correctly or individual remote control in each room is not required.



SC-THB-E3

WI-FI ADAPTOR

MH-RC-WIFI-1B

The MH-RC-WIFI-1B allows you to control your system via your smart device or browser including on/off, temperature, mode and fan speed settings.

Device to be installed by a qualified licensed person, and to a location not susceptible to temperatures above 40°C.



WI-FI SOLUTION



Control Your Air **Your** Way

MH-RC-WIFI-1B

- CONTROL YOUR AIR CONDITIONER USING YOUR SMARTPHONE, TABLET OR DESKTOP VIA EASY TO USE AC CLOUD CONTROL APP*.
- CONTROL YOUR AIR CONDITIONER USING VOICE COMMAND VIA YOUR GOOGLE OR AMAZON SMART DEVICE**.
- SET UP 'FAVOURITE' SETTINGS AND ACTIVATE THEM WITH A SINGLE TAP.
- SET YOUR SYSTEM TO RESPOND TO THE WEATHER, YOU ARRIVING HOME, CALENDAR EVENTS AND MORE**.
- RECEIVE INSTANT NOTIFICATIONS AND EMAIL UPDATES**.

*Requires MH-RC-WI-FI-1B Wi-Fi adaptor (sold separately)

**In conjunction with IFTTT and other apps (must be downloaded separately).

Note: Some additional functions may not be available via AC Cloud Control app. The system's On/Off timer, weekly timer and sleep timer are disabled if a Wi-Fi accessory is connected. Similar functions can be set via the AC Cloud App.

AC Cloud Control



Compatible with



Amazon Alexa



Google Assistant



Apple Siri

Controlling your device with AC Cloud Control app requires aforementioned Wi-Fi adaptors and working internet or Wi-Fi connection. Google Account required for use with Google devices. Features and services may change without notice. Google is a trademark of Google LLC.

PRODUCT SPECIFICATIONS

FDT SERIES

Images are for illustration purposes and actual product labels may differ.

CAPACITY		5.6kW	7.1kW	10.0kW	10.0kW	10.0kW	12.1kW	12.5kW	14.0kW	10kW	12.5kW	14.0kW
Set		FDT60ZSAWWH FDT60VH	FDT71ANXWWH FDT71VH	FDT100ANNAWH FDT100VH	FDT100ANPWVH FDT100VH	FDT125ANPWVH FDT125VH	FDT125ANXWWH FDT125VH	FDT140ANXVH FDT140VH	FDT100ASAWWH FDT100VH	FDT125ASXWWH FDT125VH	FDT140ASXWWH FDT140VH	
Indoor		SRC60ZSA-W	FDCAT1VNX-W	FDCA100MNA-W	FDCA100MNP-W	FDCA125MNP-W	FDCA125MNX-W	FDCA140MNX-W	FDCA100VSA-W	FDCA125VSA-W	FDCA140VSA-W	
Power Source (Outdoor Unit)		1 Phase 240V 50Hz										
*Operation Data	Nominal Capacity (Range)	Cooling T1	7.1 (3.2-8.0)	10.0 (4.0-11.2)	10 (2.1 - 10.2)	12.1 (5.0-12.1)	12.5 (3.5-14.0)	14.0 (3.5-16.0)	10.0 (4.0-11.2)	12.5 (3.5-14.0)	14.0 (3.5-16.0)	
		Heating H1	8.0 (3.6-9.0)	11.2 (4.0-12.5)	10 (1.7 - 10.4)	12.1 (4.0-13.3)	14.0 (2.7-17.0)	16.0 (2.7-18.0)	11.2 (4.0-12.5)	14.0 (2.7 - 18.0)	16.0 (2.7-20.0)	
		Heating H2	7.40	10.00	7.60	8.50	14.70	15.50	10.00	14.70	15.50	
		Power Consumption	1.33	2.73	2.84	3.69	3.21	3.87	2.73	3.81	3.87	
	Maximum Power Consumption	Heating H1	1.56	2.54	2.33	3.2	3.43	4.20	2.54	3.72	4.20	
			2.90	6.40	4.46	4.75	7.10	7.10	10.20	8.90	8.90	
	Running Current	Cooling T1	5.9	13.2	12.1	15.5	14.2	17.0	4.2	6.4	6.2	
		Heating H1	6.9	12.4	9.9	13.5	15.1	18.3	3.9	6.3	6.7	
	Inrush Current, Maximum Current	A	5, 15	5, 19.1	5, 24	5, 18	5, 27	5, 27	5, 15	5, 14	5, 14	
			4.21	4.20	3.66	3.28	3.89	3.62	3.66	3.89	3.62	
dB(A)	EER	Cooling T1	4.29	4.58	4.41	3.78	4.08	3.81	4.41	4.08	3.81	
		Heating H1										
	Sound Power Level (JIS C9612)	Outdoor	65	66	70	68	73	70	69	69	68	
		Indoor	P-Hi:44 Hi:34 Me:30 Lo:27	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:48 Hi:41 Me:39 Lo:31	P-Hi:48 Hi:41 Me:39 Lo:31	P-Hi:48 Hi:42 Me:39 Lo:32	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:48 Hi:41 Me:39 Lo:31	P-Hi:48 Hi:42 Me:39 Lo:32	
	Sound Pressure Level (JIS C9612)	Outdoor	54	51	55	56	57	54	54	55	54	
		Indoor	236x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	
	External dimensions (HxWxD)	mm										
			640x800(+71)x290	750x880(+89)x340	845x970x370	845x970x370	845x970x370	1300x970x370	1300x970x370	845x970x370	1300x970x370	
	Net weight	kg	Unit 21 Panel 5	Unit 21 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	
			45	60	77	57	73	97	97	78	99	
Airflow	Cooling (Indoor)	l/s	P-Hi:433 Hi:283 Me:233 Lo:183	P-Hi:467 Hi:300 Me:250 Lo:200	P-Hi:616 Hi:433 Me:383 Lo:283	P-Hi:633 Hi:467 Me:417 Lo:300	P-Hi:633 Hi:483 Me:433 Lo:317	P-Hi:633 Hi:467 Me:417 Lo:300	P-Hi:616 Hi:433 Me:383 Lo:283	P-Hi:633 Hi:483 Me:433 Lo:317		
	Heating (Indoor)	kg	1.3	2.75	3.3	2.25	4.0	4.0	3.3	4.0		
Installation Data	Refrigerant (R32)	m	15	30	15	15	30	30	30	30		
	Pre-Charged to Pipe	mm	Ø6.35	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52		
	Refrigerant Piping		Ø12.7	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88		
	Connection Method		Flare Connection									
Maximum Pipe Length (One Way)		30	50	30	30	30	100	100	50	100	100	
	Max Vertical Height Diff. Between O.U. and I.U.	m	20 (O.U. above I.U.) / 20 (O.U. below I.U.)	30 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)				50 (O.U. above I.U.) / 15 (O.U. below I.U.)			
Controller Options		RC-EX23D or RCN-T-5BW-E2 (Fine Snow) / RCN-T-5BB-E2 (Shadow Black)										
Motion Sensor (Optional)		LB-T-5BW-E (Fine Snow) / LB-T-5BB-E (Shadow Black)										
Demand Response (AS4755)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Outdoor air temperature (upper, lower limits)	Cooling	-15 to 46	-15 to 50	-15 to 46	-15 to 46	-15 to 46	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 50	
	Heating	-20 to 20	-20 to 20	-20 to 20	-15 to 20	-15 to 20	-15 to 20	-20 to 20	-20 to 20	-20 to 20	-20 to 20	

- (1) The data is measured at the conditions mentioned in the table to the left.
- (2) The air conditioner is manufactured and tested in conformity with the AS/NZS.
- (3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
- (4) Select the breaker size according to applicable national standard.
- (5) The operation data indicates when the air-conditioner is operated at 240V 50Hz.
- **Reductor set Ø9.52 -> Ø6.35 is included in the outdoor unit as accessory for FDCA100VNP-W

Operation	Item	Indoor Air Temperature		Outdoor Air Temperature	
		DB	WB	DB	WB
Cooling	27°C	19°C		35°C	24°C
Heating	20°C	-		7°C	6°C

Standards	
AS/NZ 3823.2	

PRODUCT SPECIFICATIONS

FDTC SERIES

Images are for illustration purposes and actual product labels may differ.

CAPACITY		2.5kW	3.5kW	5.0kW	5.6kW		
Set		FDTC25ZSAWWH1	FDTC35ZSAWWH1	FDTC50ZSAWWH1	FDTC60ZSAWWH1		
Indoor		FDTC25VH1	FDTC35VH1	FDTC50VH	FDTC60VH		
Outdoor		SRC25ZSA-W	SRC35ZSA-W	SRC50ZSXA-W	SRC60ZSXA-W		
Power Source (Outdoor Unit)		1 Phase 240V 50Hz					
*Operation Data	Nominal Capacity (Range)	Cooling T1	2.5 (0.9-3.5)	3.5 (0.9-4.3)	5.0 (1.1 -5.6)	5.6 (1.1-6.3)	
		Heating H1	3.4 (0.9-4.6)	4.25 (0.9-4.6)	5.4 (0.6-6.3)	6.7 (0.6-6.7)	
		Heating H2	3.45	3.95	4.80	5.80	
		Cooling T1	0.54 (0.18-0.89)	0.91 (0.18-1.37)	1.40	1.73	
	Power Consumption	Heating H1	0.77 (0.18-1.36)	1.08 (0.19 -1.33)	1.53	2.14	
		Maximum Power Consumption	1.65	1.65	2.90	2.90	
	Running Current	Cooling T1	2.7	4.1	6.2	7.6	
		Heating H1	3.6	4.8	6.7	9.4	
	Inrush Current, Maximum Current	EER	A	3.6, 9	4.8, 9	5, 15	5, 15
				4.63	3.85	3.58	3.23
COP		Heating H1	4.42	3.94	3.53	3.13	
			Sound Power Level (JIS C9612)	Outdoor	62	63	65
Sound Pressure Level (JIS C9612)	Indoor	P-Hi:38 Hi:34 Me:30 Lo:27	P-Hi:39 Hi:36 Me:32 Lo:29	P-Hi:44 Hi:40 Me:35 Lo:27	P-Hi:46 Hi:42 Me:38 Lo:31		
	Outdoor	47	50	52	54		
	Indoor	248x570x570	248x570x570	248x570x570	248x570x570		
	Panel						
External dimensions (HxWxD)		mm	10X620X620 TC-PSAGE-5AW-E (Grid)				
Net weight	Outdoor	540x780(+62)x290	540x780(+62)x290	640x800(+71)x290	640x800(+71)x290		
	Indoor	Unit 13.5 Panel 2.5	Unit 13.5 Panel 2.5	Unit 14 Panel 2.5	Unit 14 Panel 2.5		
Airflow	Outdoor	34.5	34.5	45	45		
	Cooling (Indoor)	P-Hi: 142 Hi: 125 Me: 117 Lo: 100	P-Hi: 150 Hi: 133 Me: 125 Lo: 108	P-Hi: 217 Hi: 183 Me: 150 Lo: 117	P-Hi: 233 Hi: 200 Me: 167 Lo: 133		
Installation Data	Heating (Indoor)	P-Hi: 175 Hi: 142 Me: 125 Lo: 108	P-Hi: 183 Hi: 150 Me: 133 Lo: 117				
	Quantity	0.78	0.78	1.3	1.3		
	Pre-Charged to Pipe	m	15	15	15		
	Liquid Line	mm	Ø6.35	Ø6.35	Ø6.35		
Connection Method	Gas Line	Ø9.52	Ø9.52	Ø12.7	Ø12.7		
	Flare Connection						
Controller Options	Maximum Pipe Length (One Way)	20	20	30	30		
	Max Vertical Height Diff. Between O.U. and I.U.	10 (O.U. above I.U.) / 10 (O.U. below I.U.)					
Motion Sensor (Optional)		RC-EXZ3D or RCN-TC-5AW-E2 / RCN-TC-5AW-E3 (Fine Snow)					
Demand Response (AS4755)		LB-TC-5W-E					
Outdoor air temperature (upper, lower limits)	Cooling	Yes	Yes	Yes	Yes		
	Heating	-15 to 46	-15 to 46	-15 to 46	-15 to 46		
		-15 to 24	-15 to 24	-20 to 20	-20 to 20		

*The data is measured under the following conditions (AS / NZS 3823.2). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

FDE SERIES

Images are for illustration purposes and actual product labels may differ.

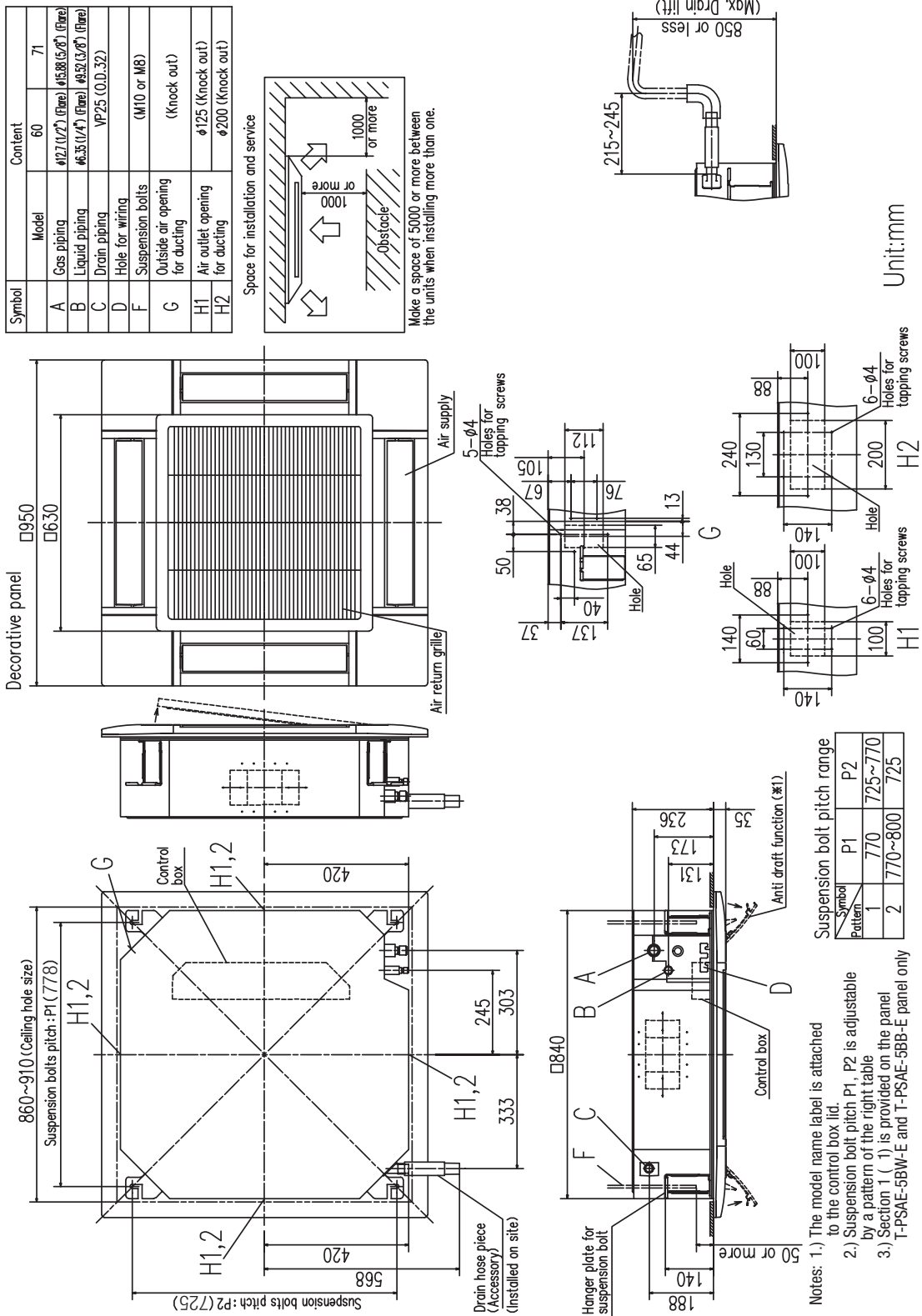
CAPACITY		7.1kW	10.0kW	10.0kW	10.0kW	12.1kW	12.5kW	14.0kW	10kW	12.5kW	14.0kW
Set		FDE71A/VXNWH FDE71VH	FDE100A/VN/WH FDE100VH	FDE100A/VN/WH FDE100VH	FDE100A/VN/WH FDE100VH	FDE125A/VN/WH FDE125VH	FDE125A/VN/WH FDE125VH	FDE140A/VN/WH FDE140VH	FDE100A/SA/WH FDE100VH	FDE125A/SA/WH FDE125VH	FDE140A/SA/WH FDE140VH
Indoor											
Outdoor		FDCA71/VNX-W	FDCA100/VNA-W	FDCA100/VNP-W	FDCA100/VNP-W	FDCA125/VNP-W	FDCA125/VNX-W	FDCA140/VNX-W	FDCA100/SA-W	FDCA125/SA-W	FDCA140/SA-W
Power Source (Outdoor Unit)		1 Phase 240V 50Hz					3 Phase 380-415V 50Hz				
*Operation Data	Nominal Capacity (Range)	Cooling T1	10.0 (4.0-11.2)	10 (2.1 - 10.2)	12.1 (5.0-12.1)	12.5 (3.5-14.0)	14.0 (3.5-16.0)	14.0 (3.5-16.0)	10.0 (4.0-11.2)	12.5 (3.5-14.0)	14.0 (3.5-16.0)
		Heating H1	11.2 (4.0-12.5)	10 (1.7 - 10.4)	12.1 (4.0-13.3)	14.0 (2.7-17.0)	16.0 (2.7-18.0)	16.0 (2.7-18.0)	11.2 (4.0-12.5)	14.0 (2.7-18.0)	16.0 (2.7-20.0)
		Heating H2	7.40	7.60	7.90	14.90	15.50	15.50	10.00	14.90	15.50
		Cooling T1	1.87	2.85	3.88	3.34	4.08	4.08	2.85	3.77	4.08
	Power Consumption	Heating H1	1.87	2.54	3.30	3.74	4.41	4.41	2.54	3.74	4.41
		Maximum Power Consumption	4.11	4.46	4.75	7.10	7.10	7.10	10.20	8.90	8.90
	Running Current	Cooling T1	8.3	13.8	16.3	14.7	17.9	17.9	4.6	6.3	6.5
		Heating H1	8.3	12.4	13.9	16.4	19.4	19.4	4.0	6.3	7.2
	Inrush Current, Maximum Current	Cooling T1	5, 19.1	5, 24	5, 18	5, 27	5, 27	5, 27	5, 15	5, 14	5, 14
		Heating H1	3.80	3.51	3.12	3.75	3.43	3.43	3.51	3.75	3.43
External dimensions (H×W×D)	COP	4.28	4.41	3.67	3.74	3.63	3.63	4.41	3.74	3.63	
	Sound Power Level (JIS C9612)	66	70	73	68	69	69	69	68	69	
	Indoor	P-Hi:47 Hi:41 Me:37 Lo:32	P-Hi:48 Hi:43 Me:38 Lo:34	P-Hi: 48 Hi: 43 Me:38 Lo: 34	P-Hi:48 Hi:45 Me:40 Lo:35	P-Hi:49 Hi:45 Me:40 Lo:36	P-Hi:49 Hi:45 Me:40 Lo:36	P-Hi:48 Hi:43 Me:38 Lo:34	P-Hi:48 Hi:45 Me:40 Lo:35	P-Hi:49 Hi:45 Me:40 Lo:36	
	Outdoor	51	55	57	54	54	54	55	54	54	
	Indoor	210x1320x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	
Net weight	Indoor	750x880(+88)x340	845x970x370	845x970x370	1300x970x370	1300x970x370	1300x970x370	845x970x370	1300x970x370	1300x970x370	
	Outdoor	33	43	43	43	43	43	43	43	43	
	Indoor	60	77	57	73	97	97	78	99	99	
Airflow	Cooling (Indoor) Heating (Indoor)	P-Hi:333 Hi:267 Me:217 Lo:167	P-Hi:533 Hi:433 Me:350 Lo:275	P-Hi:533 Hi:483 Me:383 Lo: 283	P-Hi:533 Hi:483 Me:383 Lo:283	P-Hi:567 Hi:483 Me:383 Lo:300	P-Hi:533 Hi:433 Me: 350 Lo:275	P-Hi:533 Hi:483 Me: 383 Lo:283	P-Hi:567 Hi:483 Me: 383 Lo:300		
	Refrigerant (R32)	Quantity	2.75	3.3	1.7	2.25	4.0	4.0	3.3	4.0	4.0
Installation Data	Refrigerant Piping	Pre-Charged to Pipe	30	30	15	15	30	30	30	30	30
		Liquid Line	Ø9.52	Ø9.52	**Ø6.35	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52
		Gas Line	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88
Connection Method		Flare Connection									
Maximum Pipe Length (One Way)		50	50	30	30	100	100	50	100	100	
Max Vertical Height Diff. Between O.U. and I.U.		30 (O.U. above I.U.))/ 15 (O.U. below I.U.)		20 (O.U. above I.U.))/ 15 (O.U. below I.U.)		50 (O.U. above I.U.) / 15 (O.U. below I.U.)					
Controller Options		RC-EX3D or RCN-E-E3									
Motion Sensor (Optional)		LB-E									
Demand Response (AS4755)	Outdoor air temperature (upper, lower limits)	Cooling	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Heating	-15 to 50	-15 to 50	-15 to 46	-15 to 46	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 50
			-20 to 20	-20 to 20	-15 to 20	-15 to 20	-20 to 20	-20 to 20	-20 to 20	-20 to 20	-20 to 20

*The data is measured under the following conditions (AS / NZS 3823.2). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
**Reducer set Ø9.52 -> Ø6.35 is included in the outdoor unit as accessory for FDCA100VNP-W.

EXTERIOR DIMENSIONS

FDT SERIES

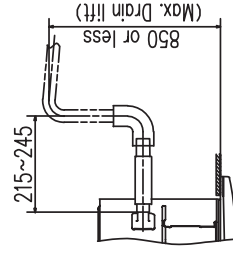
FDT60-71VH



Notes: 1.) The model name label is attached to the control box lid.
2.) Suspension bolt pitch P1, P2 is adjustable by a pattern of the right table
3.) Section 1 (1) is provided on the panel T-PSAE-6BW-E and T-PSAE-6BW-E panel only

Suspension bolt pitch range		
Symbol	P1	P2
1	770	725~770
2	770~800	725

Unit:mm



Space for installation and service

1000 or more

1000 or more

Obstacle

Make a space of 5000 or more between the units when installing more than one.

Symbol Pattern	P1	P2
1	770	725~770
2	770~800	725

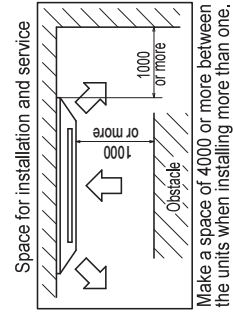
Unit:mm

FDTCSERIES

Notes: 1.) The model name label is attached to the control box lid
2. This unit is designed for 2x2 grid ceiling. If it is installed in a ceiling other than a 2x2 grid ceiling, provide an inspection opening on the control box side
3.) Draft prevention function (※) is applicable on TC-PSAE-5AW-E and TC-PSAGE-5AW-E panels only

Symbol	Content
A	Gas piping ø3.52 (3/8") (Flare)
B	Liquid piping ø6.35 (1/4") (Flare)
C	Drain piping VP25 (O.D.12)
D1	Power source connection
D2	Remote control code and signal wiring connection
F	Suspension bolts (M10 or M8)
G	Outside air opening for ducting (Knock out)
H	Air outlet opening for ducting ø125 (Knock out)
J	Inspection opening 450 x 450

Symbol	Content
A	Gas piping
B	Liquid piping
C	Drain piping
D1	Power source connection
D2	Remote control code and signal wiring connection
F	Suspension bolts (M10 or M8)
G	Outside air opening for ducting (Knock out)
H	Air outlet opening for ducting φ125 (Knock out)
J	Inspection opening 450 x 450



Unit:mm

Control box

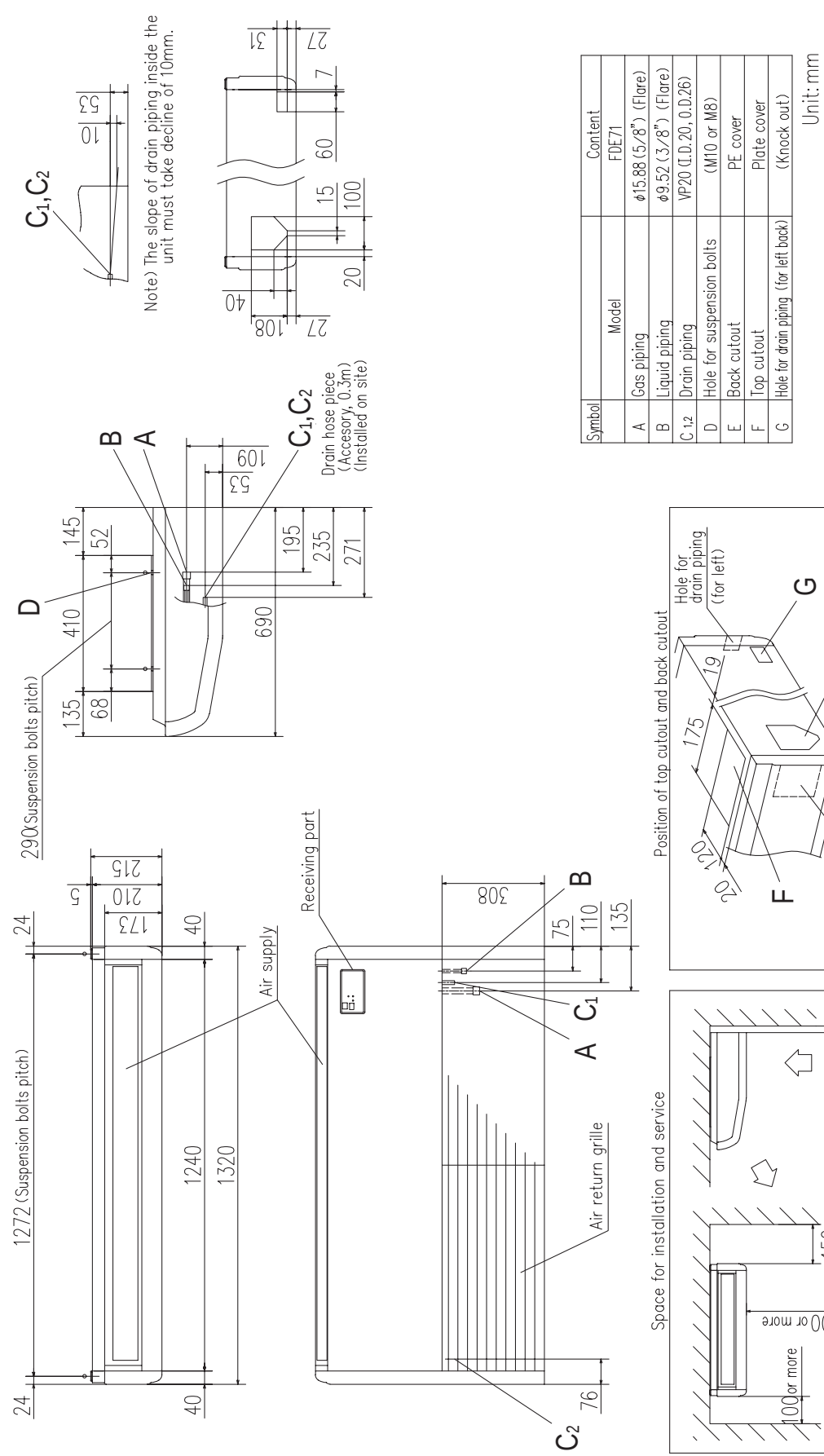
150-200

Inspection opening (Refer to note (2))

EXTERIOR DIMENSIONS

FDE SERIES

FDE71VH

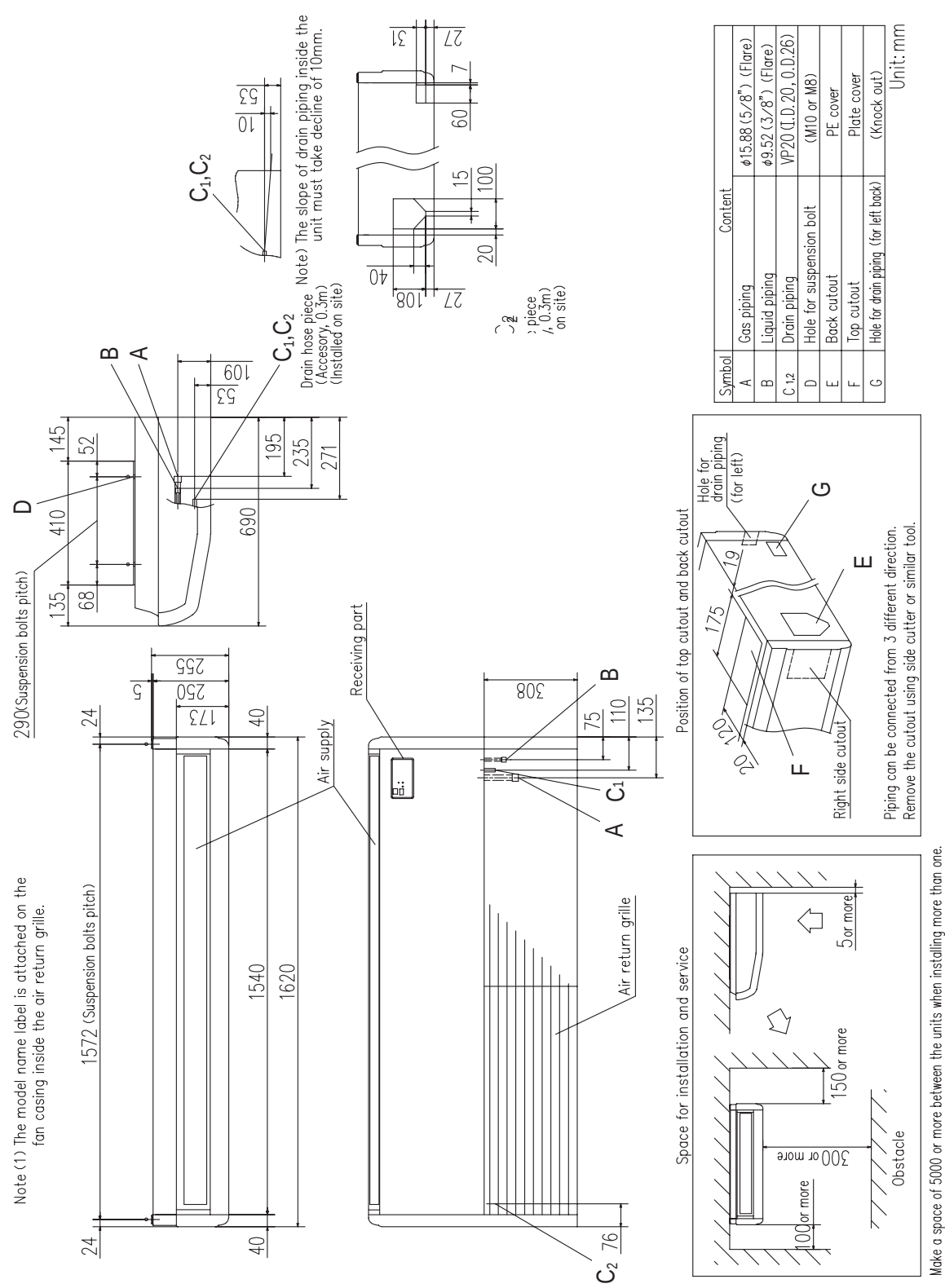


Note (1) The model name label is attached on the fan casing inside the air return grille.

EXTERIOR DIMENSIONS

FDE SERIES

FDE100-140VH



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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.

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