



HEAT PUMPS



HEATING AND COOLING SOLUTIONS

DUCTED SYSTEMS



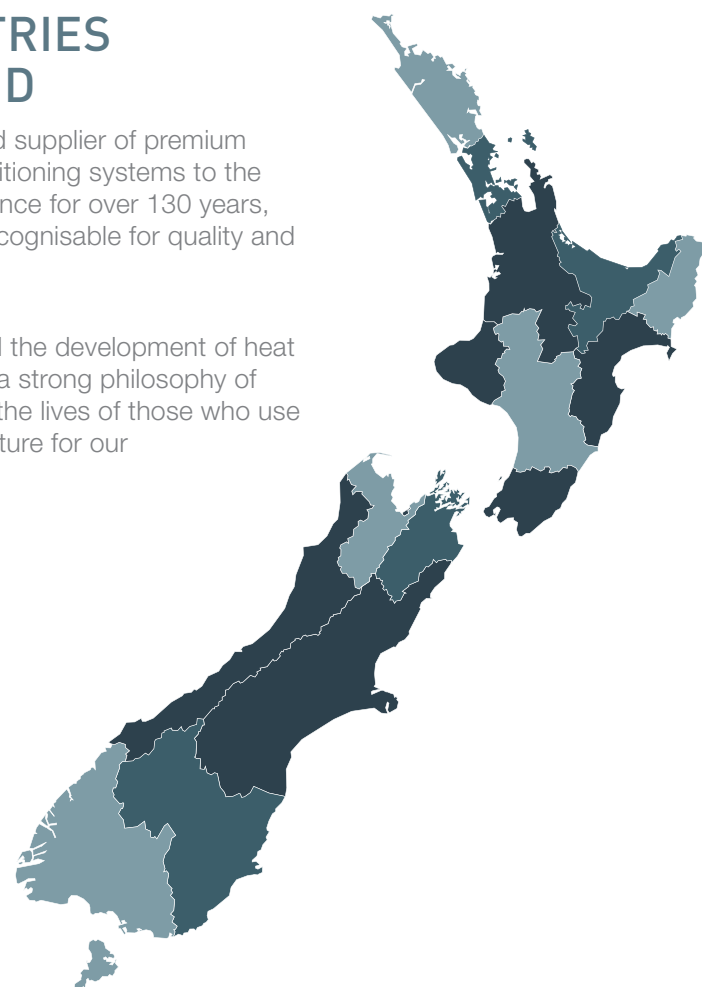
THE PEOPLE'S CHOICE OF HEAT PUMPS

Our customers voted for us! We're proud to have won Consumer's People's Choice Award for the heat pump category in 2023. The award, presented by New Zealand's leading independent consumer advocacy group, recognises products and services that stand out for customer satisfaction and is based on customer satisfaction surveys from a representative sample across New Zealand.

MITSUBISHI HEAVY INDUSTRIES HEAT PUMPS NEW ZEALAND

Mitsubishi Heavy Industries Heat Pumps is a trusted supplier of premium residential and commercial heat pump and air conditioning systems to the New Zealand market. Delivering engineering excellence for over 130 years, the Mitsubishi Heavy Industries brand is instantly recognisable for quality and technological advancement.

With innovation central to both the organisation and the development of heat pump systems, Mitsubishi Heavy Industries carries a strong philosophy of engineering products that are designed to improve the lives of those who use them and, at the same time, create a sustainable future for our company and the world we live in.



COMMITTED TO QUALITY

Standing behind the quality of our products is our commitment to our customers and our after sales service guarantees. Along with the rigorous quality assurance testing carried out on all our products, comprehensive warranties provide you with peace of mind.



DEDICATED LOCAL SUPPORT

Located in our Auckland head office, our dedicated customer service team are on hand to support our customers. Whether it's a question about our products, troubleshooting, warranty information or a user manual - our team of local experts are here to help.



5 YEARS PARTS AND LABOUR WARRANTY

Mitsubishi Heavy Industries focuses solely on manufacturing high performance heat pumps for the New Zealand market. All our systems are of the highest quality and are backed by a full 5 year parts and labour warranty.



ENERGY PERFORMANCE STANDARDS

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

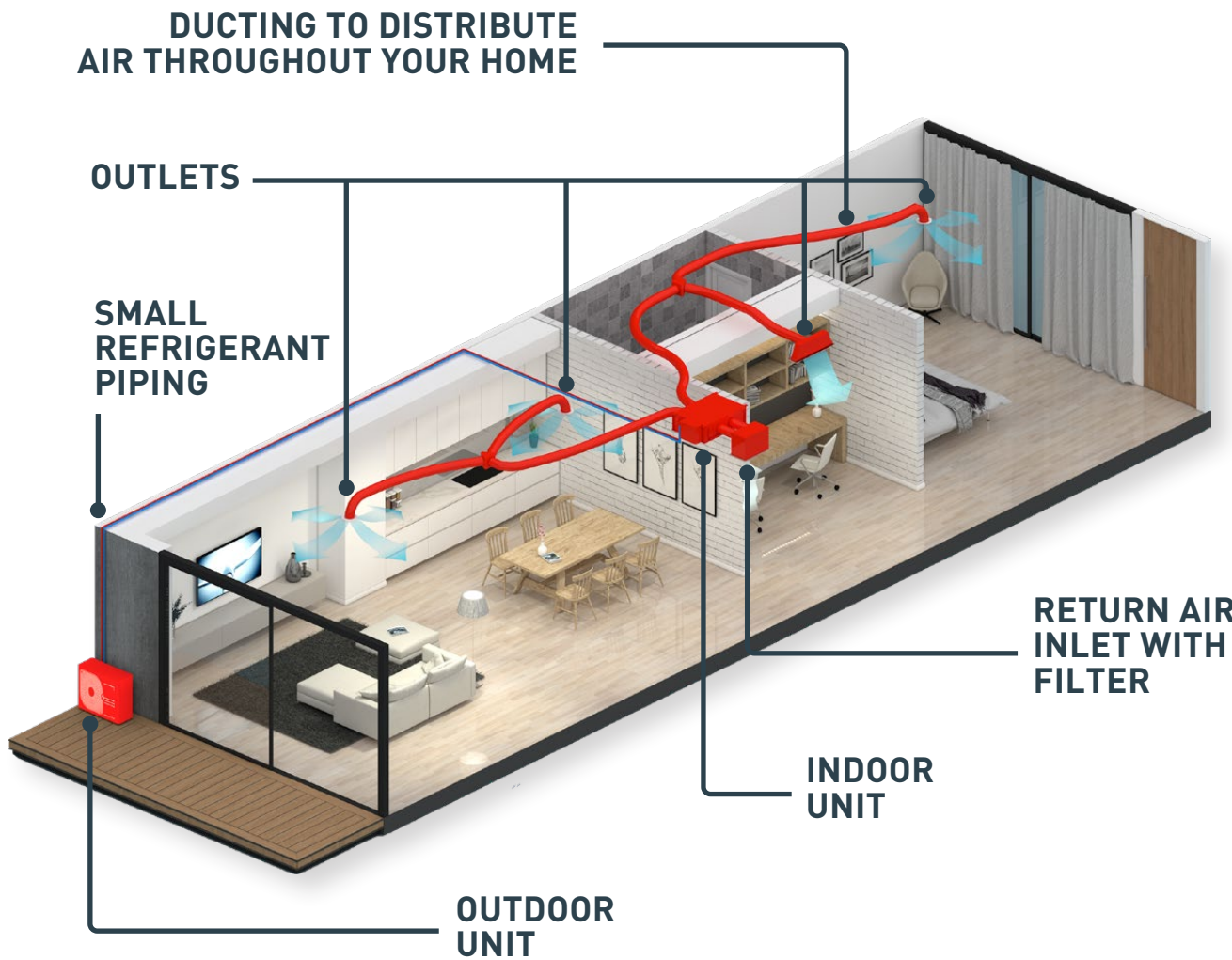


MHI Ducted Systems

Our powerful yet quiet reverse cycle ducted systems let you enjoy the comfort of air conditioning in every part of your home or office with one packaged solution. With a discreet, low profile design that can be completely concealed in your ceiling and a variety of capacities and control options available, our ducted systems offer a flexible solution for any new or existing home.

Mitsubishi Heavy Industries ducted systems include an indoor unit (fan coil), outdoor unit (condenser) and controller while an installer will also incorporate insulated ducting, air outlets and a return air inlet with a filter. These components work in unison to offer a complete heating and cooling solution and ensure your comfort all year round.

All Mitsubishi Heavy Industries ducted systems are reverse cycle and have undergone strict and rigorous testing and quality control measures to ensure they are of the highest standards and will withstand the tough Kiwi climate.



Our Technology

IMPROVED HEAT EXCHANGER

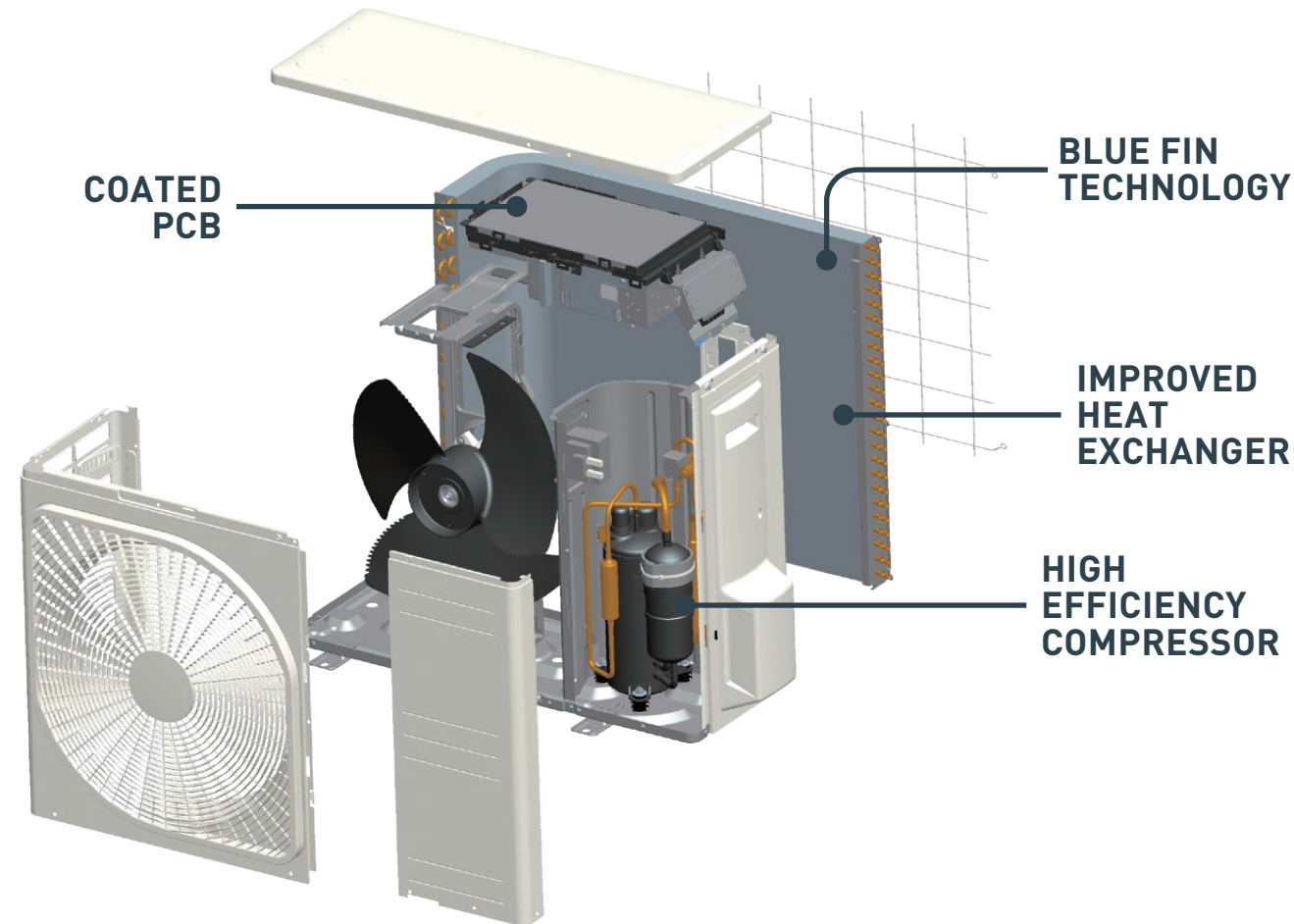
Our new and improved heat exchanger has been developed to improve refrigerant distribution and increase the systems effectiveness. The new design features a larger heat exchange area, boosting the unit's overall efficiency.

COATED PCB

To protect against humid weather a protective coating is applied to the circuit board in the outdoor unit, allowing it to withstand New Zealand's varying weather conditions and ensure the longevity of your system.

BLUE FIN TECHNOLOGY

Mitsubishi Heavy Industries outdoor units are coated with specially formulated layers that assist in preventing the hydrophilicity effect and assists in reducing the corrosion rate of the aluminium section from harsh New Zealand weather conditions.



HIGH EFFICIENCY COMPRESSOR

One of the key features that provides Mitsubishi Heavy Industries heat pumps with their powerful performance is our highly efficient compressor. Combined with a Neodymium motor that uses powerful, rare earth magnets, Mitsubishi Heavy Industries heat pumps can deliver a higher motor efficiency while producing much less operational noise.

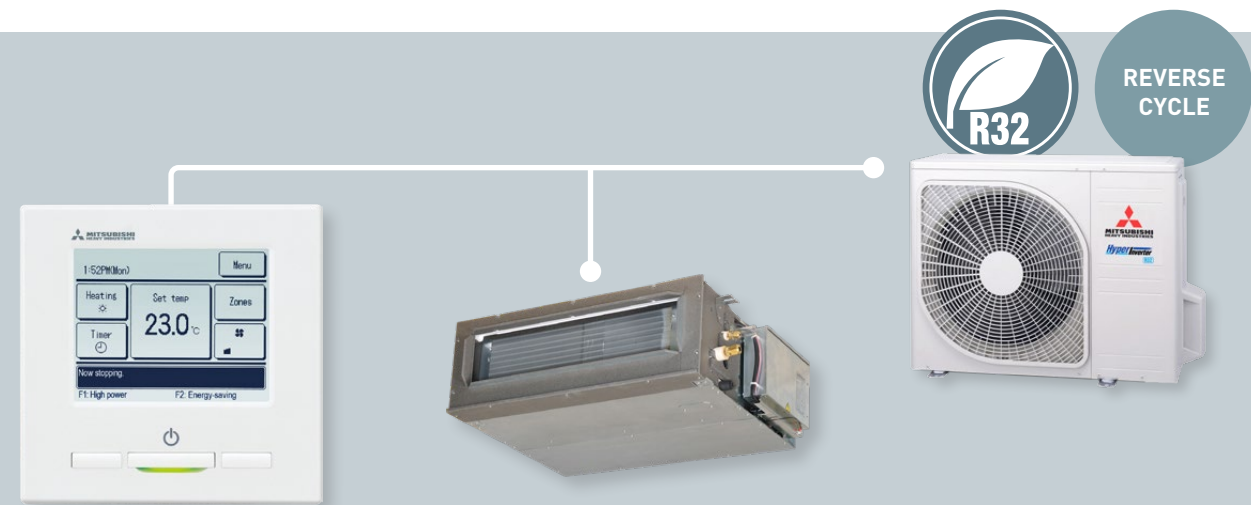
DC PAM INVERTER

The PAM control used in Mitsubishi Heavy Industries heat pumps helps minimise the loss of electricity and boost the efficiency by allowing the unit to reach the temperature quickly before slowing down the compressor. This allows the unit to save energy while maintaining a comfortable temperature in the room.

WIDE OPERATION RANGE

With our advanced technology and high quality components, Mitsubishi Heavy Industries heat pumps can operate in ambient outdoor temperatures as low as -20°C in heating mode and as high as +50°C in cooling mode. This permits the installation in areas where the temperature conditions can be considered extreme.

FDUM Series



*See pg. 11 for full list of features and functions

MEDIUM STATIC PRESSURE

SINGLE PHASE MODELS (5.0KW - 5.6KW)



5.0kW | 5.6kW

Our FDUM series of medium static ducted systems are quiet, compact and come in both 5.0kW and 5.6kW capacities. Incorporating a range of convenient and energy saving features and functions, the FDUM series is the perfect multi-room heating and cooling solution for smaller Kiwi homes.

HYPER-INVERTER TECHNOLOGY

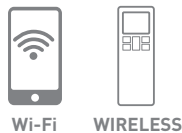
Our advanced hyper-inverter technology allows our ducted systems to reach the desired temperature quicker than ever before. Once the system has reached the set temperature it will ramp down and maintain this closely, switching on only when required - ensuring your comfort all year round and reducing energy consumption.

QUIET OPERATION

The FDUM series boasts a super quiet operation level of 26 dB (A) on low fan speed. Combined with the unit's Silent Mode, the FDUM is perfect for bedrooms and ensures a good night's sleep for you and your family.

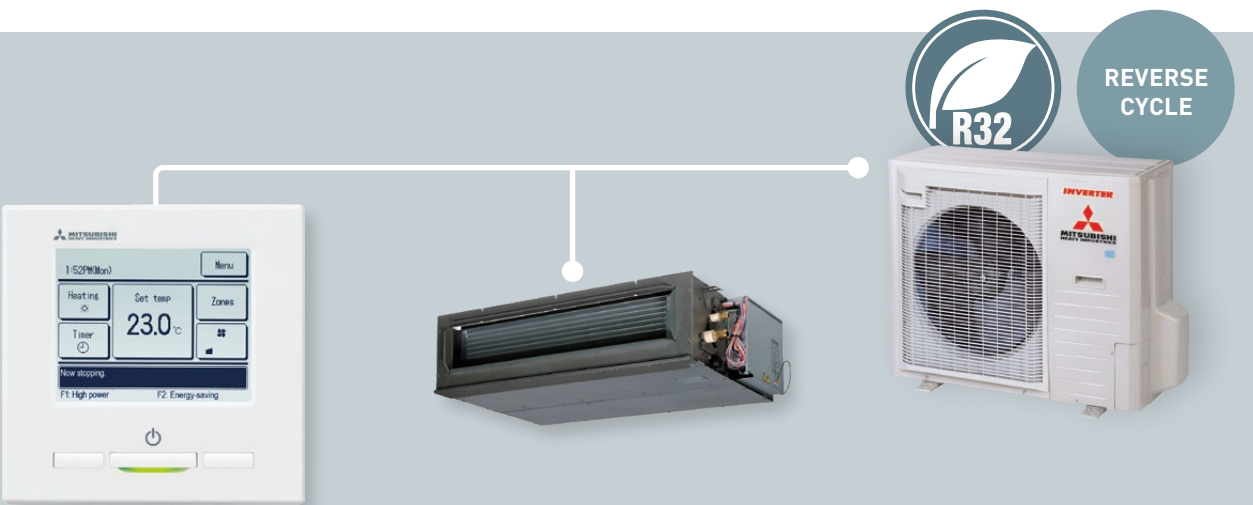
SRC50-60ZSXA-W outdoor unit shown.

OTHER CONTROL OPTIONS (SOLD SEPARATELY)



Wi-Fi WIRELESS

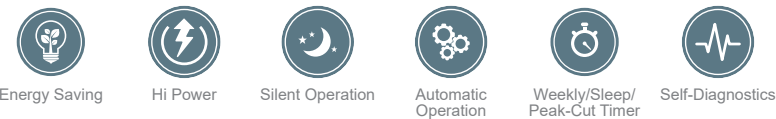
FDU Series



*See pg. 11 for full list of features and functions

MED/HIGH STATIC PRESSURE

SINGLE PHASE MODELS (7.1 KW - 14.0KW)
THREE PHASE MODELS (12.5KW - 14.0KW)



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

Our FDU series of slimline ducted systems are a quiet and discreet solution for multiple rooms. Coming in a range of capacities ranging from 7.1kW up to 14kW and incorporating a range of convenient features and functions, the FDU series is the perfect heating and cooling solution for any sized Kiwi home.

QUIET OPERATION

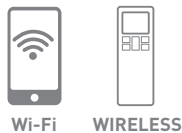
Thanks to our highly efficient DC fan motor, the FDU series boasts some of the quietest operation levels on the market - with our 7.1kW unit achieving a market leading low of 25 dB (A) on low fan speed. Combined with the unit's Silent Mode, the FDU series ensures no interruptions to room acoustics and a good night's sleep for you and your family.

SLIM LOW PROFILE DESIGN

With a slim, low-profile design measuring only 280mm in height, the FDU series offers the perfect solution for applications where ceiling space is limited.

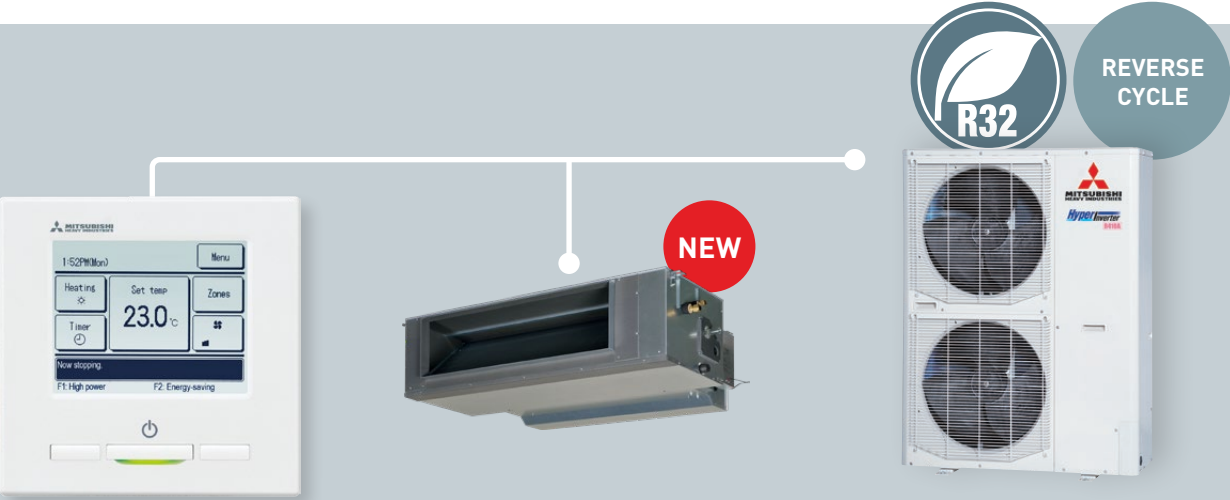
FDC100VNP-W outdoor unit shown.

OTHER CONTROL OPTIONS (SOLD SEPARATELY)



Wi-Fi WIRELESS

FDUA Series



*See pg. 11 for full list of features and functions

HIGH STATIC PRESSURE
SINGLE PHASE MODELS (10.0kW - 16.0kW)
THREE PHASE MODELS (12.5kW - 20.0kW)

- Energy Saving
- Hi Power
- Silent Operation
- Automatic Operation
- Weekly/Sleep/ Peak-Cut Timer
- Self-Diagnostics

10.0kW | 12.1kW | 12.5kW | 14.0kW | 16.0kW | 20.0kW

Our FDUA series of ducted systems are a quiet and discreet solution for multiple rooms. Coming in a range of capacities ranging from 10kW up to 20kW and incorporating a range of convenient features and functions, the FDUA is the perfect heating and cooling solution for any sized Kiwi home.

INCREASED ENERGY EFFICIENCY

With an improved heat exchanger in the outdoor unit, boosting refrigerant distribution throughout the system, coupled with our highly efficient DC fan motor the FDUA series boasts impressive energy efficiencies which means reduced running costs for your home.

QUIET OPERATION

Thanks to our highly efficient DC fan motor, the FDUA series boasts quiet operation levels. Combined with the unit's Silent Mode, the FDUA series ensures no interruptions to room acoustics and a good night's sleep for you and your family.

FDCA140VNX-W/FDCA140VSX-W outdoor unit shown. Splittable design applies to 14kW and 16kW models.

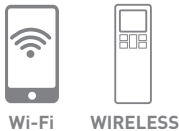
COMPACT INDOOR UNIT DESIGN

A compact indoor unit allows the FDUA series to be easily installed in a variety of different applications while a splittable design for 14kW and 16kW models, allows for the indoor unit to be separated into two parts for easier installation.

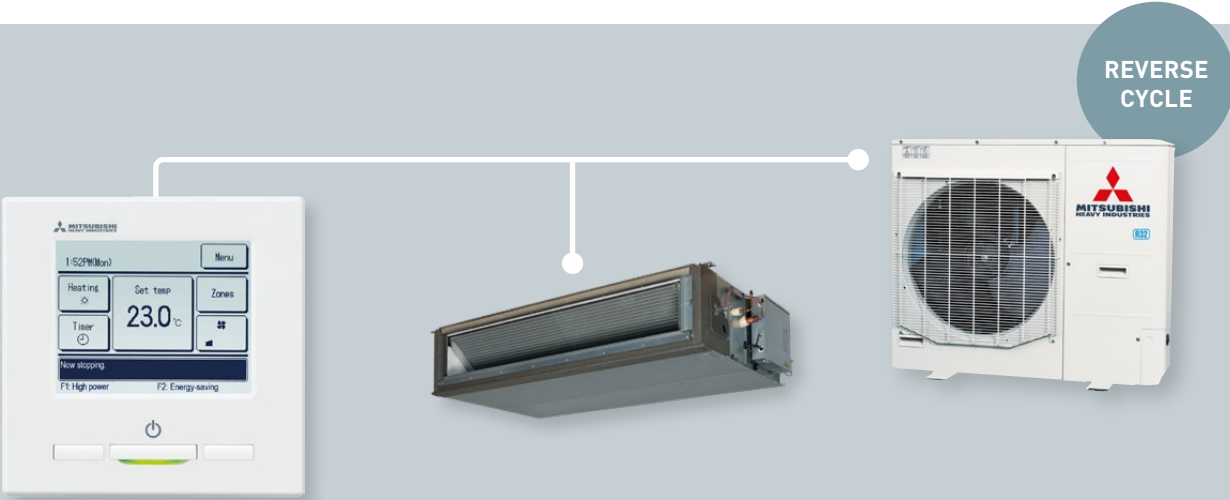
BUILT-IN DRAIN PUMP

With a built-in drain pump the FDUA allows greater flexibility during installation, making it the perfect solution for applications with limited ceiling space.

OTHER CONTROL OPTIONS (SOLD SEPARATELY)



KX Series



*See pg. 11 for full list of features and functions

HIGH STATIC PRESSURE
SINGLE PHASE MODELS (9.0kW - 15.2kW)
THREE PHASE MODELS (14.0kW - 28.0kW)

- Energy Saving
- Hi Power
- Silent Operation
- Automatic Operation
- Weekly/Sleep/ Peak-Cut Timer
- Self-Diagnostics

9.0kW | 11.2kW | 14.0 kW | 15.2kW | 22.4kW | 28.0kW

Our KX series of ducted systems offer a durable and high performance heating and cooling solution. Coming in a range of capacities ranging from 9.0kW up to 28.0kW and incorporating VRF technology as well as a range of convenient features, KX compact series is the perfect heating and cooling solution for larger Kiwi homes.

VRF TECHNOLOGY

Traditionally used in larger, commercial projects, the KX compact series incorporates VRF (Variable Refrigerant Flow) technology to deliver high performance.

BLUE FIN™ TECHNOLOGY

A specially formulated layer applied to internal components helps reduce corrosion and protect the outdoor unit's internal aluminium parts from the harsh Kiwi weather conditions.

FDC112KXEN6 outdoor unit shown. Not compatible with Flexizone zoning solution. FDU224KXZE1 and FDU280KXZE1 do not include built-in drain pump.

COMPACT OUTDOOR UNIT

A compact outdoor unit offers additional flexibility with installation by allowing the outdoor unit to fit within smaller spaces.

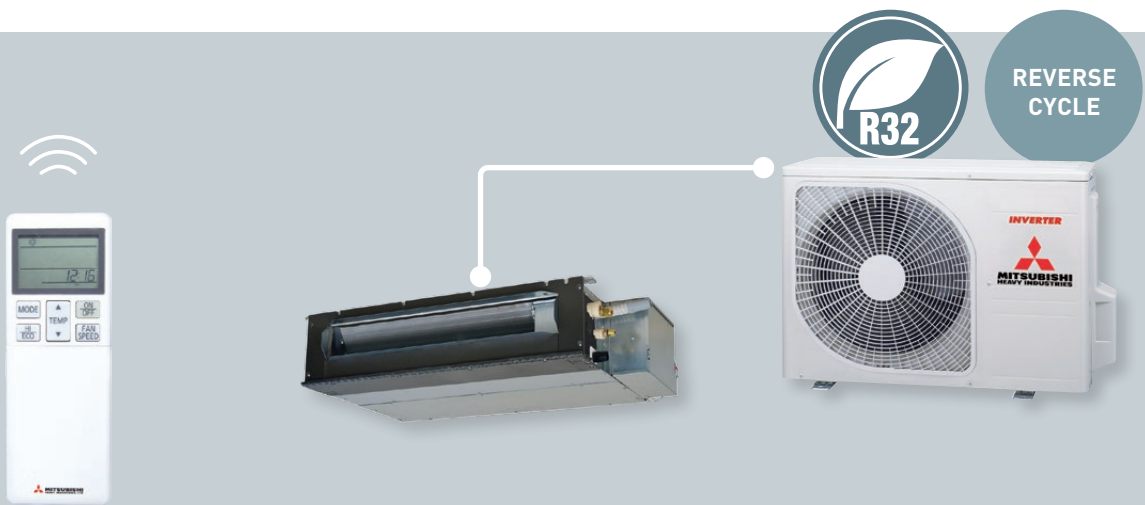
BUILT-IN DRAIN PUMP

With a built-in drain pump the KX series allows greater flexibility during installation, making it the perfect solution for applications with limited ceiling space.

OTHER CONTROL OPTIONS (SOLD SEPARATELY)



AKARI™ Series



*See pg. 11 for full list of features and functions

BULKHEAD SYSTEM

SINGLE PHASE MODELS (2.5KW - 6.0KW)



2.5kW | 3.5 kW | 5.0kW | 6.0kW

Our Akari™ series of low profile bulkhead systems are designed to sit within your ceiling space and distribute air via discreet grilles. These compact units require no ducting and are perfect for renovated spaces and applications such as apartments where space is at a premium. They deliver a quiet, efficient and integrated heating and cooling solution.

SUPER SLIM LOW PROFILE DESIGN

With a super slim, low-profile design measuring only 200mm in height, the Akari™ series offers the perfect solution for apartments or applications where ceiling space is limited and the indoor unit needs to be fitted in a concealed area.

BUILT-IN DRAIN PUMP

Capitalising on Mitsubishi Heavy Industries extensive experience in drain pump technology, the Akari™ series features a built-in condensation drain pump for easier installation.

SRC25-35ZSA-W outdoor unit shown.

SUPER QUIET OPERATION

The Akari™ series offers some of the quietest operation levels on the market achieving 24 dB(A) on low fan mode - perfect for bedrooms.

HI 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.

OTHER CONTROL OPTIONS (SOLD SEPARATELY)



Features and Functions

	FUNCTION		DESCRIPTION	FDU	FDUA	FDUM	KX	AKARI
AIRFLOW		Automatic Fan Speed	On-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.	●	●	●	●	
		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	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.	●	●	●	●	
		Self-Clean Operation	Dries the indoor unit components by running the fan on ultra-low mode, preventing the growth of mould. Designed to be run regularly after use.					●
ENERGY SAVING		Set Temperature Auto Return*	Allows you to program a preferred set temperature that the unit will return to each time it is operated.	●	●	●	●	
		Home Leave Operation*	Will maintain a moderate indoor temperature, avoiding extremely hot or cool temperatures. Perfect for when you're away on holidays.	●	●	●	●	
		Eco Operation	The unit operates at a slightly reduced capacity to reduce power consumption while maintaining a comfortable room temperature.	●	●	●	●	●
COMFORT & CONVENIENCE		Hi 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.	●	●	●	●	●
		Dry Operation	Reduces humidity by removing moisture from the air without effecting the indoor temperature.	●	●	●	●	●
		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.	●	●	●	●	●
		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).	●	●	●	●	
TIMERS		On/Off Timer	Set your unit to turn on and off once, at specific times, within a 24 hour period. Unit will then turn on and off at the specified times every day.	●	●	●	●	●
		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	This function allows you to set a per-determined amount of time between 30 and 240 mins that your unit will operate for before switching off.	●	●	●	●	●
		Night Setback	Designed for the colder seasons, this function ensures the room temperature is kept at around 10°C, even while unoccupied.					●
		Peak-Cut Timer*	This function lets you to preset the capacity limit during certain periods of the day, minimising energy consumption during peak billing times, thus reducing operation costs.	●	●	●	●	
MAINTENANCE & PREVENTION		Child Lock	Locks the remote control to prevent little ones from changing functions and other settings. Useful for families with curious young children.					●
		Self-Diagnostics	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.	●	●	●	●	●
		Improved Serviceability	The fan unit (comprised of impeller and motor) is easily accessible from either the side or bottom of the unit and can be slid out for easy maintenance. (Not applicable to all models)	●	●	●	●	
		Built-in Drain Pump	The built-in drain pump, which includes a lift of 600 or 850mm, allows greater flexibility with installation, offering a great solution for applications with limited space.	●	●	●	●	●
		Auto Restart Function	Automatically restarts the unit in the same operating mode if it suffers a loss of power. (Disabled for some models by default)	●	●	●	●	●

*Functions can only be enabled using RC-EXZ3A wired controller.
FDU224KXZE1 and FDU280KXZE1 do not include built-in drain pumps.
Drain pump assembly can be purchased from MRE spare parts.
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 Options



WIRED CONTROLLER

- 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 (12 languages)

*RC-EXZ3A controller shown.
**Requires SC-BIKN2-E kit (sold separately) for use with bulkhead systems.
***Function limitations may apply.



WIRELESS CONTROLLER

- LCD Display.
- Control the set temperature, operation mode and fan speed.
- Access timer and scheduling functions.

*Wireless controller from RCN-KIT4-E2 shown. Standard with bulkhead systems.
**Requires RCN-KIT4-E2 wireless kit (sold separately) for use with ducted systems.
***Function limitations may apply.



WI-FI

- Control your system using your smart device (iPhone, iPad, Android) or internet browser via AC Cloud Control app.
- Control the set temperature, operation mode and fan speed remotely.
- Control your system using Voice Commands via Google or Amazon smart speaker devices.
- Set up 'favourite' scenes and activate them with a single tap.
- Set your system to respond to the weather, you arriving home, calendar events + more**.
- Receive instant notifications and email updates and create usage logs**

*Requires MH-RC-WIFI-1B Wi-Fi adaptor (sold separately) for use with ducted systems.
*Requires MH-AC-WIFI-1 Wi-Fi adaptor (sold separately) for use with bulkhead systems.
**In conjunction with IFTTT and other apps (must be downloaded separately).
Some additional functions including zone control are not available via AC Cloud Control app.
In some applications, a 12V DC external power supply may be required for MH-RC-WI-FI-1B.



AC Cloud Control

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.

FlexiZone Zoning Solution

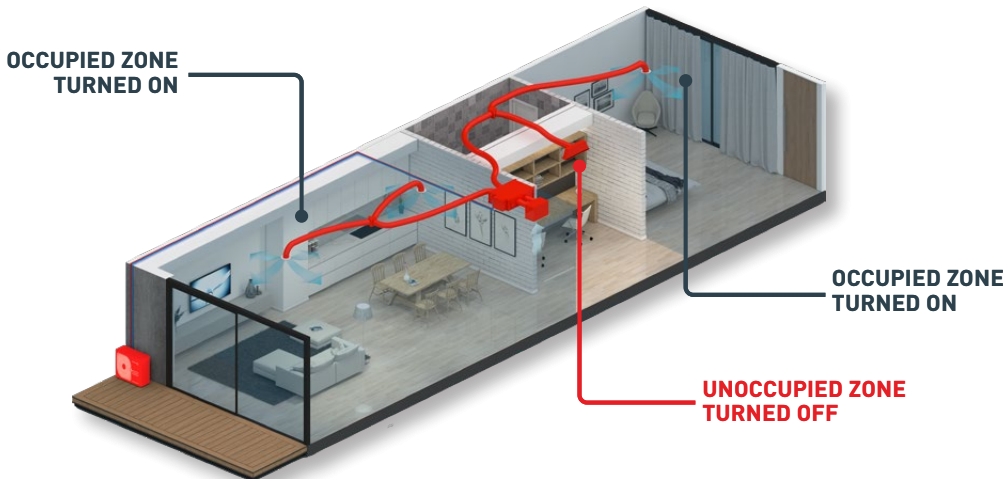


WIRED ZONE CONTROLLER

- Individual on/off control of up to 4 zones when used in conjunction with MHIAA's zoning solution*.
- Large, 3.8" backlit LCD touch screen with easy to navigate menu.
- Control the operation mode and set temperature of your system.
- Access timer and scheduling functions.
- Access additional features including Home Leave mode, Silent Mode and High Power mode.
- Multi-language display (12 languages)

**RC-EXZ3A controller shown. **MHI zoning solution includes relay board MH-4ZRMV2 (sold separately)
***Flexizone not compatible with FDUA200AVSAWVH or KX 1:1 systems

FLEXIZONE®



Airzone Zoning Solution

Easily integrated into any MHI ducted system the advanced Airzone zoning solution offers the ultimate level of comfort by providing complete temperature control over each individual zone of your home or office.



AIRZONE

AIRZONE ZONE CONTROLLER

- Individual temperature and on/off control of up to 10 zones when used in conjunction with Airzone zoning solution*.
- Control the set temperature, operation mode and fan speed.
- Turn unoccupied zones off to save energy.
- Control your system using your smart device (iPhone, iPad, Android) or internet browser via easy to use Airzone app.
- Access timer and scheduling functions.

*Blueface controller shown (AZVAFBLUEFACECB)
**Airzone zoning solution includes motorised dampers, Airzone control board and webserver (sold separately)



PRODUCT SPECIFICATIONS

KX SERIES

CAPACITY		9.0kW	11.2kW	14.0kW	15.2kW	11.2 kW	14.0kW	15.2kW	22.4kW	28.0kW
Indoor		FDU90KXE6F-W	FDU112KXE6F-W	FDU140KXE6F-W	FDU160KXE6F-W	FDU112KXE6F-W	FDU140KXE6F-W	FDU160KXE6F-W	FDU224KXE1	FDU280KXE1
Outdoor		FDC90KXZEN1-W	FDC112KXZEN1-W	FDC140KXZEN1-W	FDC155KXZEN1-W	FDC112KXZEN1-W	FDC140KXZEN1-W	FDC155KXZEN1-W	FDC224KXZE1	FDC280KXZE1
Power Source (Outdoor Unit)		3 Phase 380-415V 50Hz								
*Operation Data	Nominal Capacity Range	9.00	11.2	14.0	15.2	11.2	14.0	15.2	22.4	28.0
	Heating H1	9.00	11.2	14.0	15.5	11.2	14.0	15.5	22.4	28.0
	Cooling T1	0.25	0.32	0.36	0.43	0.32	0.36	0.43	1.20	1.20
	Heating H1	0.25	0.32	0.36	0.43	0.32	0.36	0.43	1.20	1.20
	Power Consumption (Indoor Unit)	1.98	2.55	4.00	4.87	2.55	4.00	4.87	5.60	7.87
	Cooling T1	1.93	2.53	3.52	4.06	2.53	3.52	4.06	4.80	6.47
	Heating H1	1.70	2.00	2.20	2.50	2.00	2.20	2.50	6.50	6.50
	Running Current (Indoor Unit)	1.70	2.00	2.20	2.50	2.00	2.20	2.50	6.50	6.50
	Running Current (Outdoor Unit)	8.30	10.7	16.8	20.5	3.8	6.0	7.4	9.2	12.9
	Heating H1	8.10	10.6	14.8	17.1	3.8	5.4	6.2	7.9	10.6
Installation Data	Inrush Current, Maximum Current	5, 23	5, 23	5, 23	5, 23	5, 13.5	5, 13.5	5, 13.5	5, 21	5, 22
	Sound Pressure Level (dBS C9612)	P-Hi:37 Hi:31 Me:27 Lo:22	P-Hi:40 Hi:36 Me:34 Lo:28	P-Hi:41 Hi:37 Me:34 Lo:28	P-Hi:45 Hi:38 Me:34 Lo:29	P-Hi:41 Hi:37 Me:34 Lo:28	P-Hi:45 Hi:38 Me:34 Lo:29	P-Hi:52 Hi:50 Me:47 Lo:45	P-Hi:52 Hi:50 Me:47 Lo:45	P-Hi:52 Hi:50 Me:47 Lo:45
	Indoor	53	54	54	54	54	54	54	60	63
	Outdoor	280 x 950 x 635	280 x 1368 x 740	280 x 1368 x 740	280 x 1368 x 740	280 x 1368 x 740	280 x 1368 x 740	280 x 1368 x 740	379 x 1600 x 893	379 x 1600 x 893
	Indoor	845 x 970 x 370	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	1505x970x370	1505x970x370
	Indoor	34	54	54	54	54	54	54	89	89
	Outdoor	85	85	85	85	87	87	87	165	165
	Supply Air Connection	170 x 880	170 x 1200	170 x 1200	170 x 1200	170 x 1200	170 x 1200	170 x 1200	250 x 1450	250 x 1450
	Return Air Connection	200 x 740	235 x 1280	235 x 1280	235 x 1280	235 x 1280	235 x 1280	235 x 1280	250 x 1450	250 x 1450
	External Static Pressure (Max)	200	200	200	200	200	200	200	200	200
Controller	Airflow	P-Hi:400 Hi:317 Me:250 Lo:167	P-Hi:600 Hi:533 Me:433 Lo:333	P-Hi:600 Hi:533 Me:433 Lo:333	P-Hi:600 Hi:533 Me:467 Lo:367	P-Hi:600 Hi:467 Me:417 Lo:317	P-Hi:650 Hi:533 Me:433 Lo:333	P-Hi:800 Hi:683 Me:1067 Lo:933	P-Hi:1333 Hi:1200 Me:1067 Lo:933	P-Hi:1333 Hi:1200 Me:1067 Lo:933
	Refrigerant (Type, Amount, Pre-charge Length)	(R32) 4.2	(R32) 4.2	(R32) 4.2	(R32) 4.2	(R32) 4.2	(R32) 4.2	(R32) 4.2	(R410A) 8.9	(R410A) 8.9
	Quantity	30**	30**	30**	30**	30**	30**	30**	0.5**	0.5***
	Pre Charged To Pipe Length	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")
	Liquid Line	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø15.88 (5/8")	Ø19.05 (3/4")	Ø22.22 (7/8")
	Gas Line									
	Connection Method									
	Maximum Pipe Length (One Way)									
	Max vertical height diff. between O.U. and I.U.									
		50	50	50	50	50	50	50	90	90
Motion Sensor (Optional)		LB-KIT2								
Demand response (AS4755)		RC-E5, RC-EXZ3A, RCHE-E3 or RCN-KIT4-E2								
Outdoor air temperature (upper, lower limits)	Cooling	No	No	No	No	No	No	No	No	No
	Heating	-15 to 43	-15 to 43	-15 to 43	-15 to 43	-15 to 43	-15 to 43	-15 to 43	-15 to 50	-15 to 50
		-20 to 20	-20 to 20	-20 to 20	-20 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 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

**Please refer to E-solution software or technical manual for additional refrigerant requirements. Reizone not compatible with KX 1.1 systems.

PRODUCT SPECIFICATIONS

AKARI™ SERIES

CAPACITY		2.5kW	3.5kW	5.0kW	6.0kW
Indoor		SRR25ZS-W	SRR35ZS-W	SRR60ZS-W	SRR60ZS-W
Outdoor		SRC25ZSA-W	SRC35ZSA-W	SRC60ZSXA-W	SRC60ZSXA-W
Power Source (Outdoor Unit)		1 Phase 240V 50Hz			
*Operation Data	Nominal Capacity (Range)	Cooling T1	2.5 (0.9-3.4)	3.5 (0.9-4.1)	5.0 (1.2-6.0)
	Heating H1		3.4 (0.9-5.0)	4.2 (1.0-5.2)	5.4 (1.0-8.2)
	Heating H2		3.55	4.1	6.0
	Cooling T1		0.56 (0.20-0.90)	0.93 (0.19-1.26)	1.42 (0.22-2.02)
	Heating H1		0.75 (0.20-1.42)	1.01 (0.20-1.45)	1.39 (0.2-2.86)
	Maximum Power Consumption		1.65	1.65	2.9
	Running Current	Cooling T1	2.7	4.2	6
	Inrush Current, Maximum Current	Heating H1	3.5	4.5	5.9
	EER		3.5, 9.0	4.5, 9.0	5.0, 15.0
	COP		4.46	3.76	3.52
Energy Label (GEMS 2019)	Sound Power Level (JIS C9612)	Cooling T1	4.53	4.16	3.88
	Sound Pressure Level (JIS C9612)	Heating H1	60	62	63
	External dimensions (HxWxD)	Outdoor	37-33-30-24	38-34-31-25	41-37-34-29
		Indoor	47	50	51
		Indoor	200x750(+120)x500	200x750(+120)x500	200x950(+120)x500
		Outdoor	540x780(+62)x290	540x780(+62)x290	640x800(+71)x290
		Cooling	★★★★ (3.5)	★★★★ (3.5)	★★★★ (3)
		Heating	★★★★ (3.5)	★★★★ (3.5)	★★★★ (3)
		Cooling	★★★★ (3)	★★★★ (3)	★★★★ (2.5)
		Heating	★★★★ (3)	★★★★ (2.5)	★★★★ (2.5)
Net weight		Cooling	★★★★ (2.5)	★★★★ (3)	★★★★ (3)
		Heating	★★★★ (2.5)	★★★★ (2)	★★★★ (2)
	Indoor		20.5	20.5	24
	Outdoor		34.5	34.5	45
	Cooling (Indoor)		158-133-108-75	167-142-117-83	211-183-167-125
	Heating (Indoor)		167-150-133-100	175-158-142-108	233-208-183-142
	Quantity		(R32) 0.78	(R32) 0.78	(R32) 1.3
	Pre-Charged to Pipe		15	15	15
	Liquid line		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas line		Ø9.52 (3/8")	Ø9.52 (3/8")	Ø12.7 (1/2")
Airflow	Connection Method		Flare connection		
	Maximum Pipe Length (One Way)		20		
	Max Vertical Height Diff. Between O.U. and I.U.		10 (O.U. above I.U.) / 10 (O.U. below I.U.)		
	Standard accessories		Polypropylene Net x1		
	Optional parts		Interface kit (SC-BIKN2-E) / Wi-Fi Kit		
	Demand Response (AS4755)		Yes		
	Outdoor air temperature (upper, lower limits)		-15 to 46		
			-15 to 24		

(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.

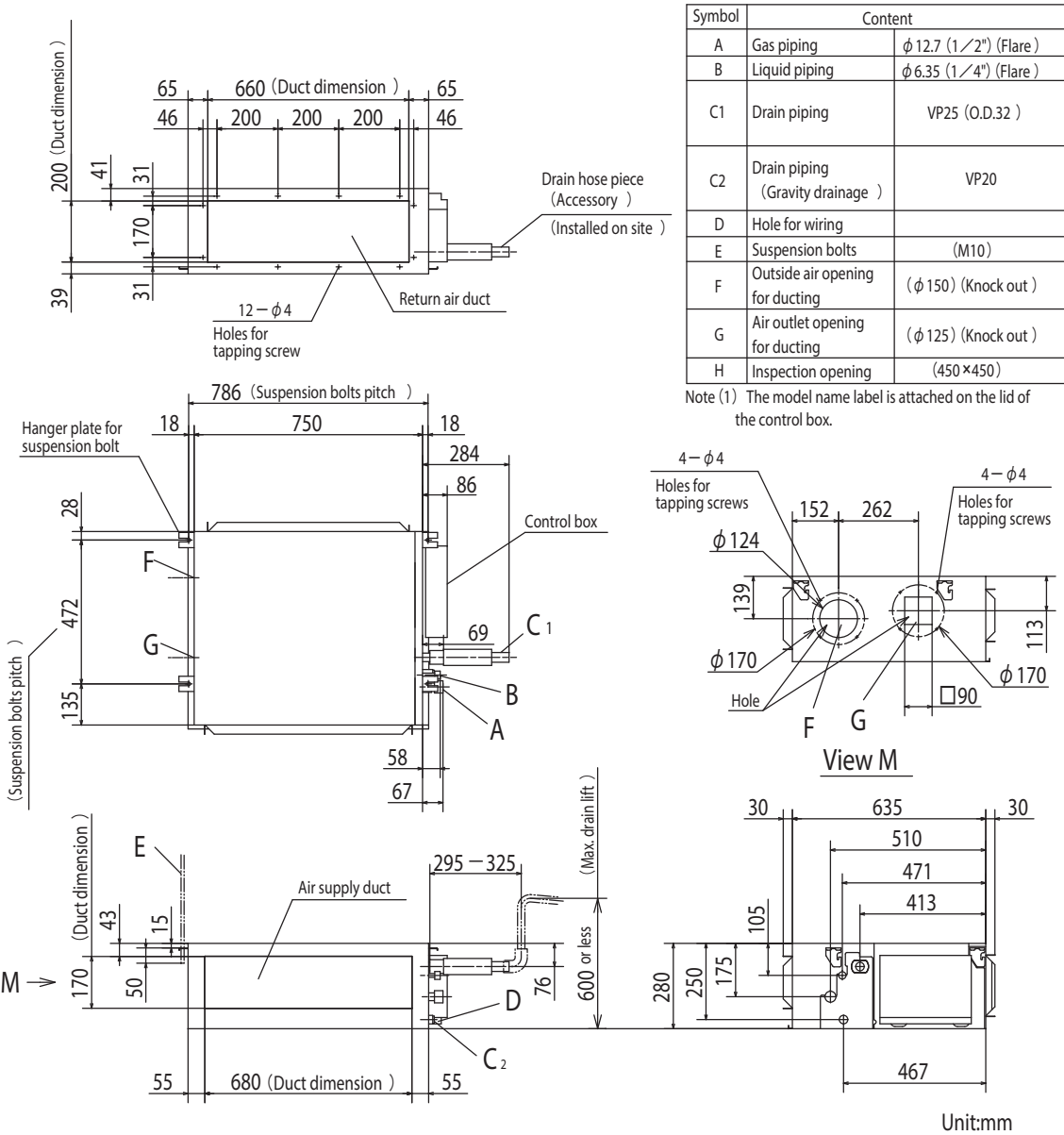
(4) Select the breaker size according to applicable national standard.

(5) The operation data indicates when the air conditioner is operated at 240V 50Hz.

Operation	Item	Indoor Air Temperature		Outdoor Air Temperature		Standards
		DB	WB	DB	WB	
		27°C	19°C	35°C	24°C	
Cooling		20°C	-	7°C	6°C	AS/NZ 3823.2
Heating						

FDUM Series

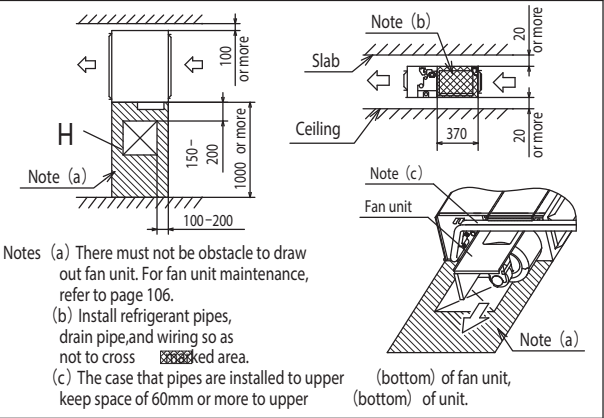
FDUM50VH



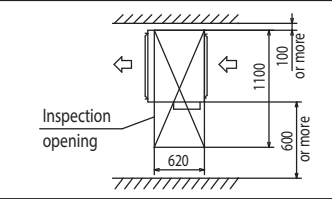
Space for installation and service

Select either of two cases to keep space for installation and services.

(Case 1) From side of unit

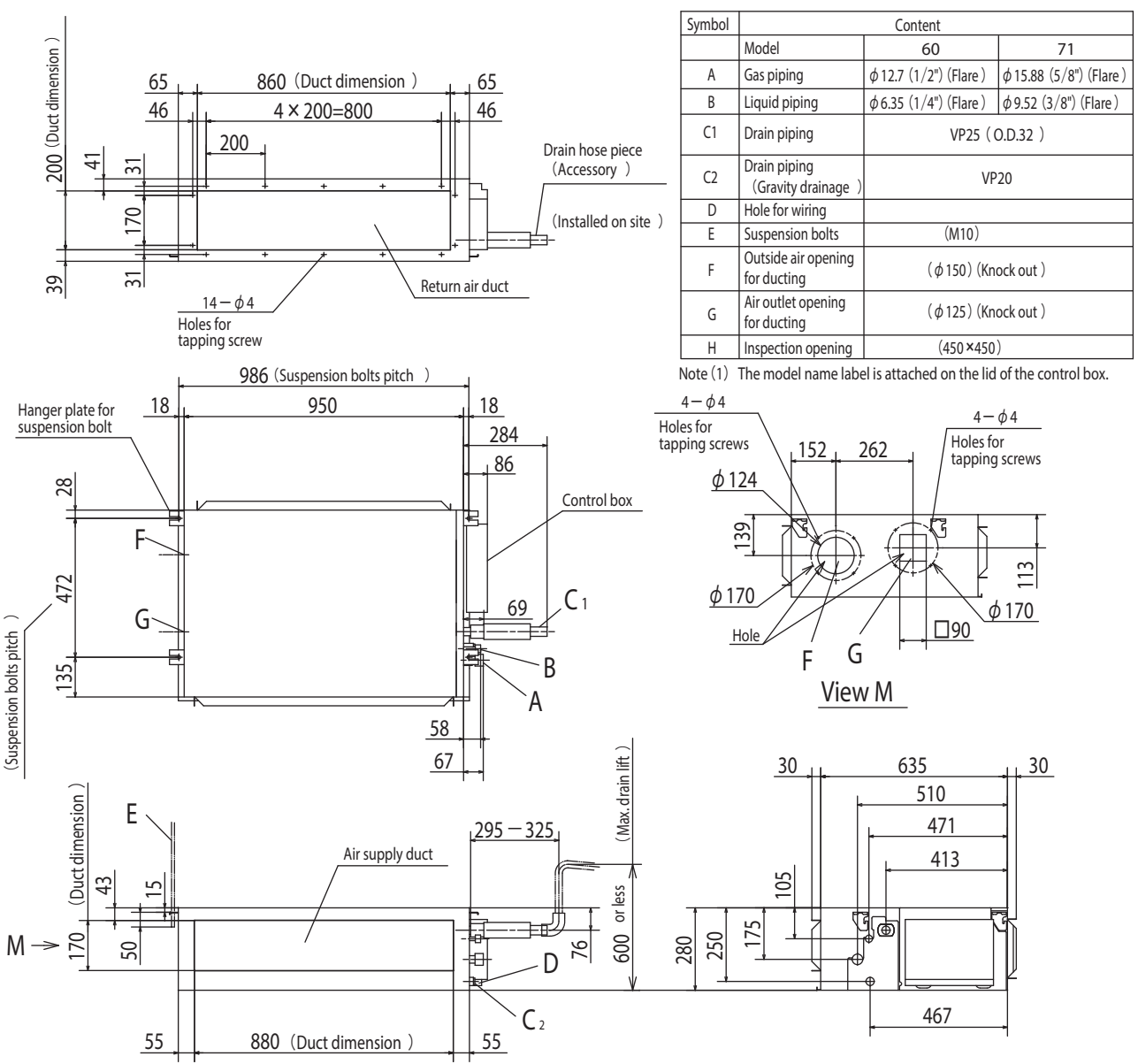


(Case 2) From bottom of unit



FDUM Series

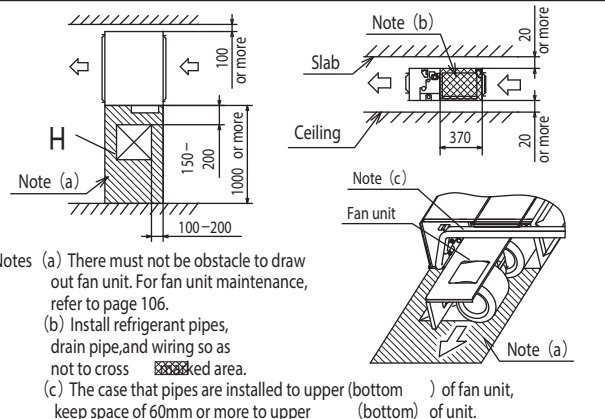
FDUM60VH



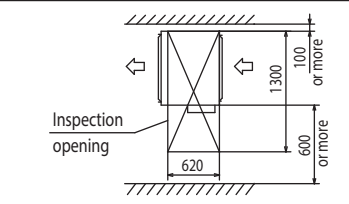
Space for installation and service

Select either of two cases to keep space for installation and services.

(Case 1) From side of unit

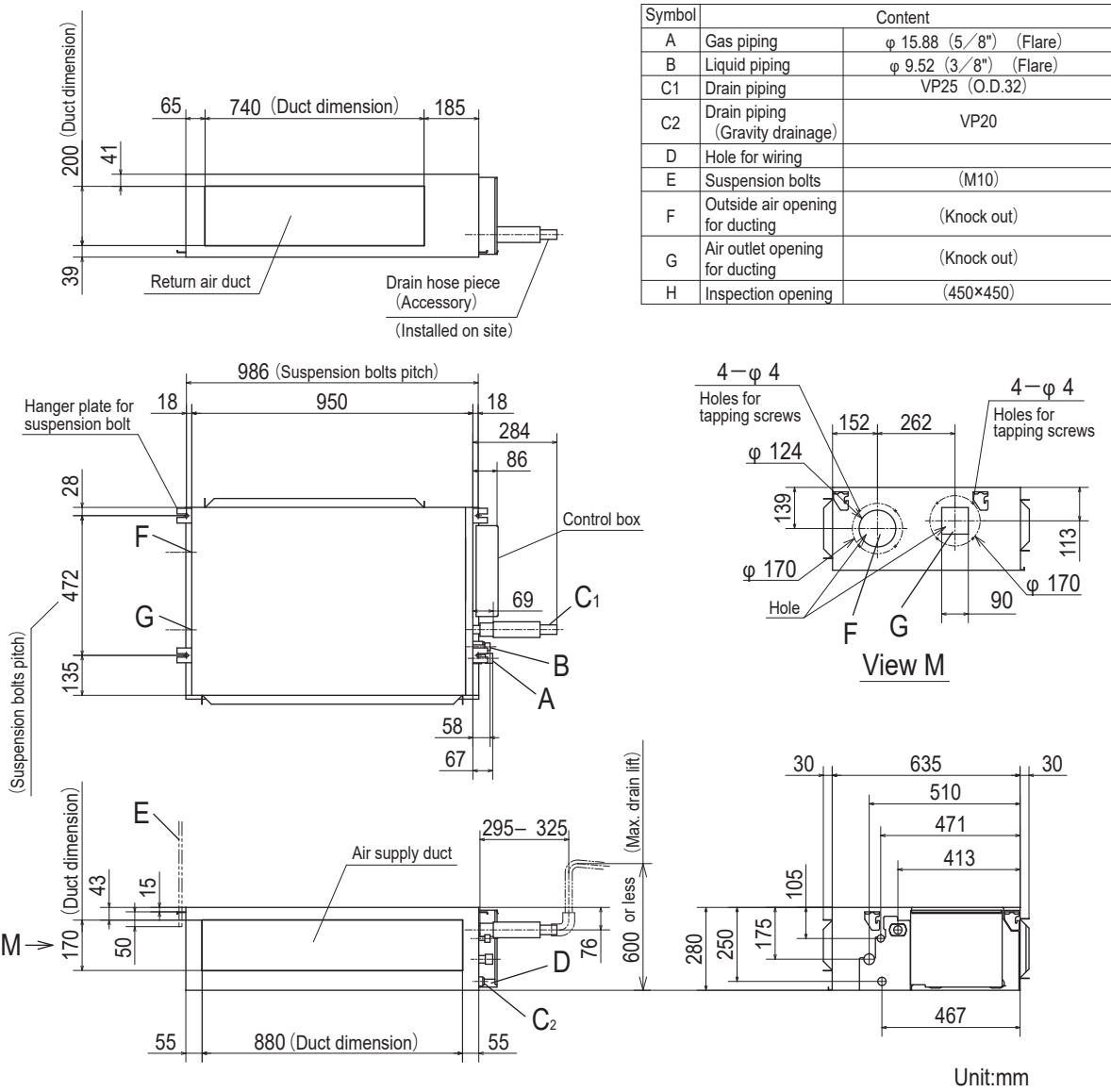


(Case 2) From bottom of unit



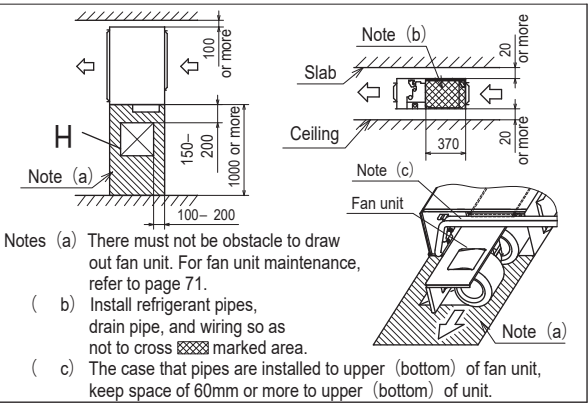
FDU Series

FDU71VH

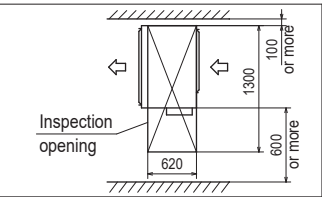


Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



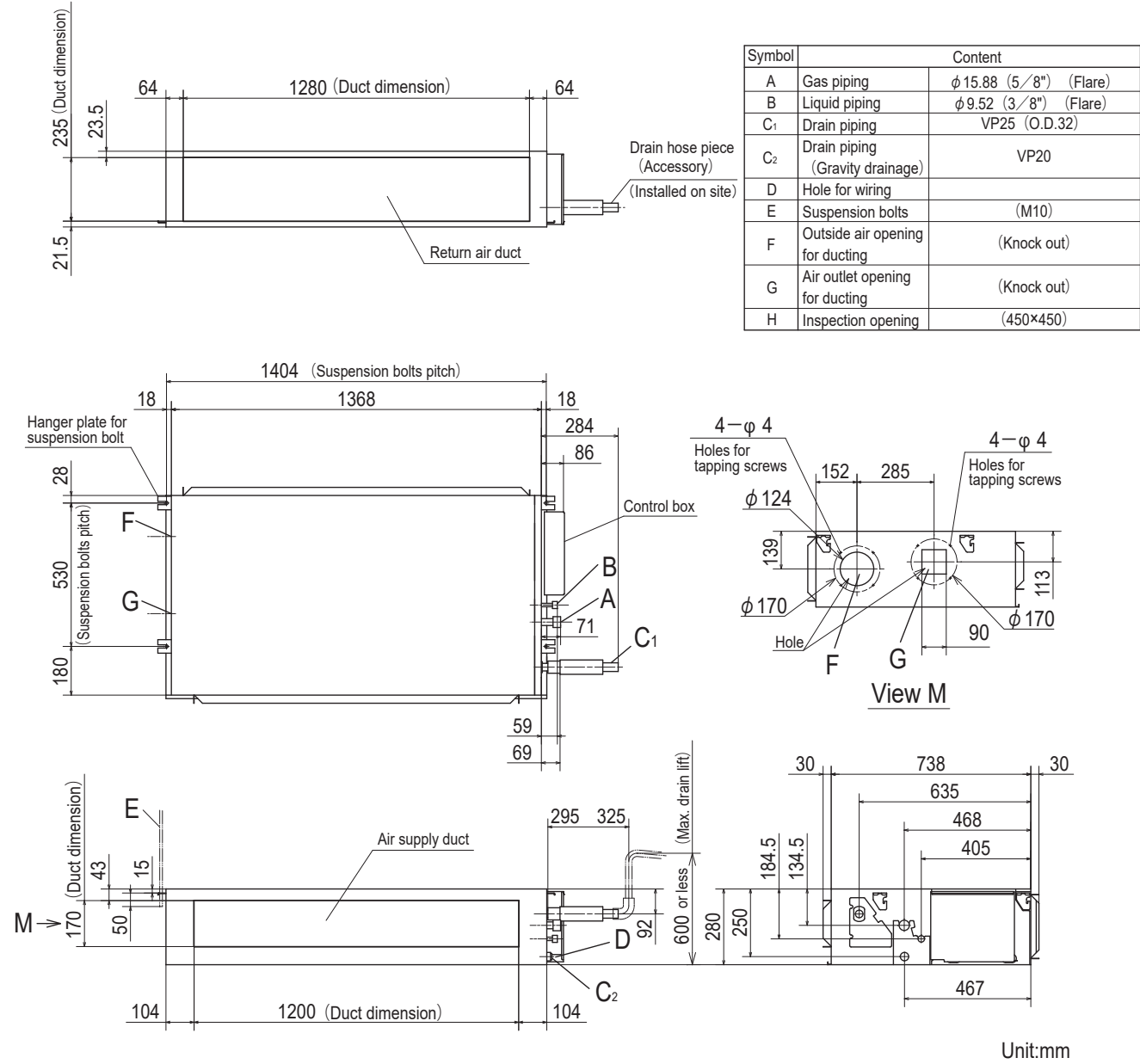
(Case 2) From bottom of unit



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

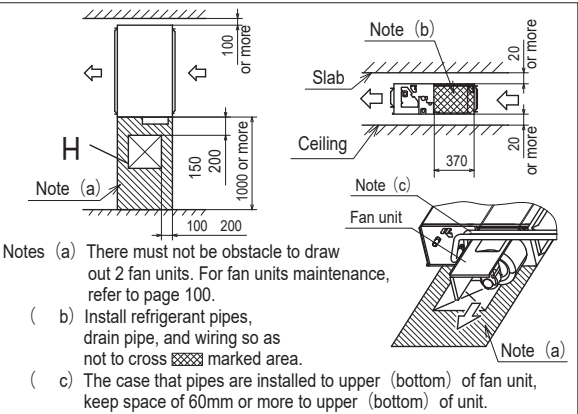
FDU Series

FDU100VH, 125VH, 140VH

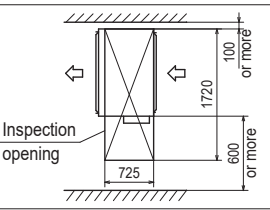


Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



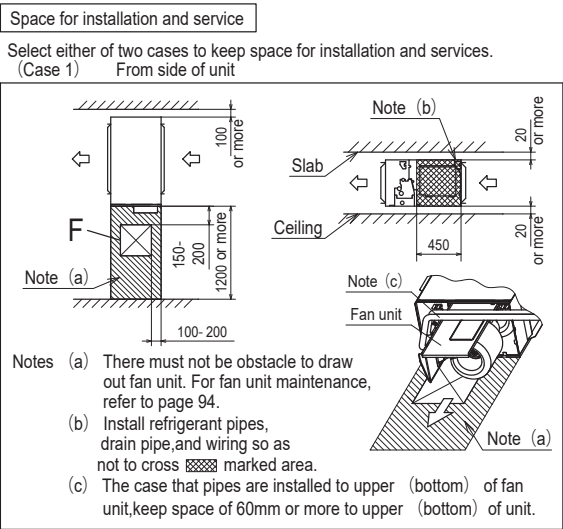
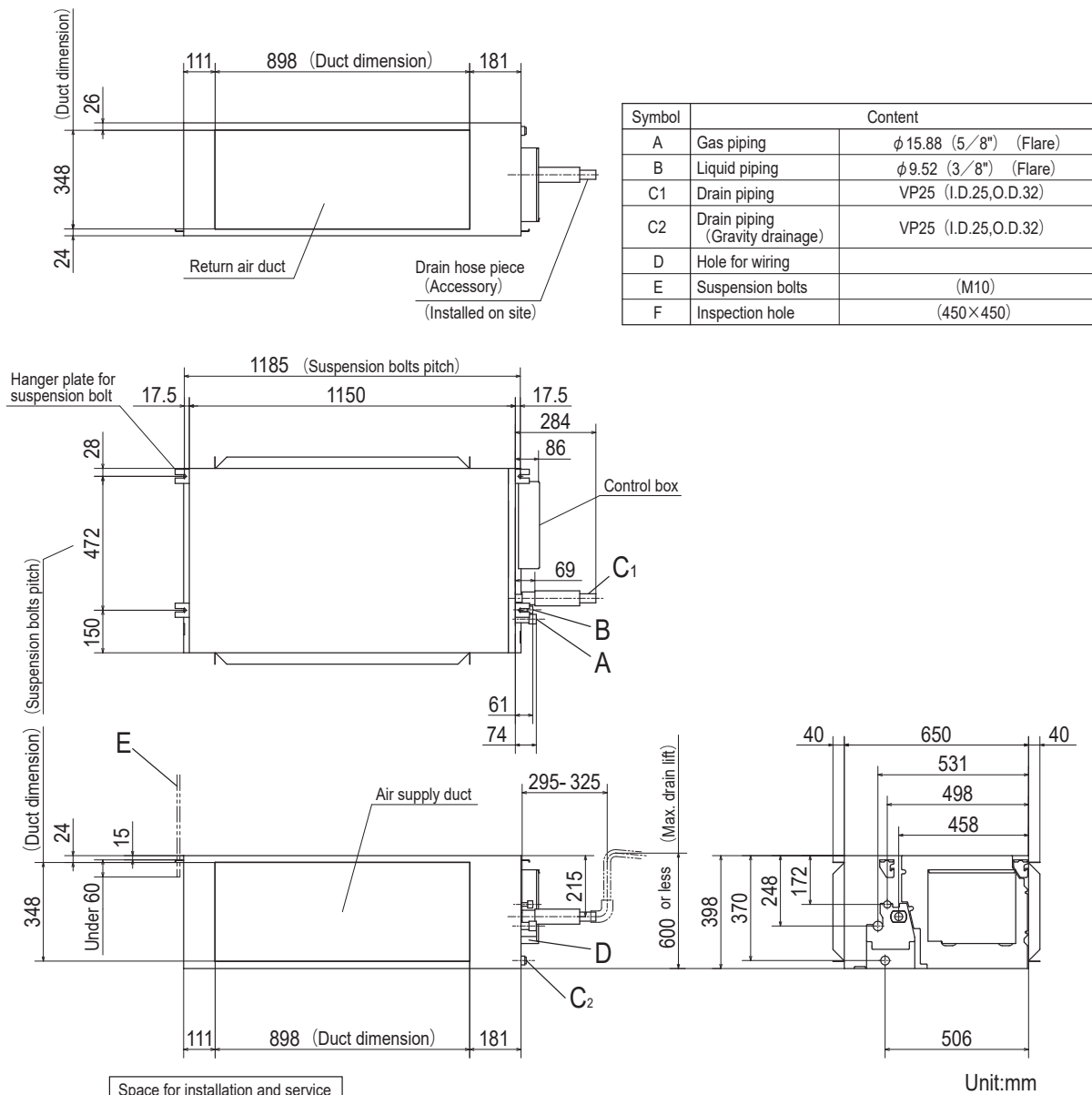
(Case 2) From bottom of unit



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

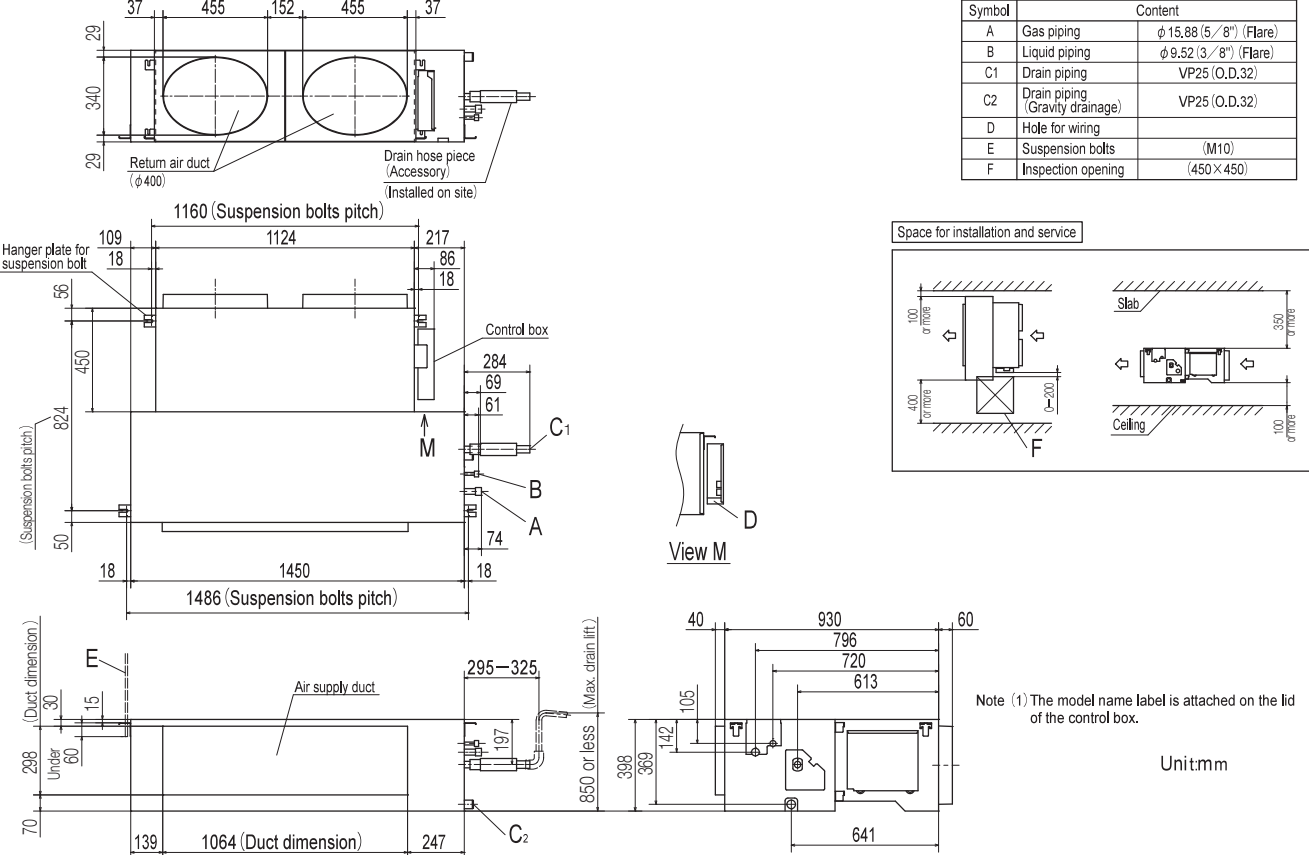
FDUA Series

FDUA100, 125VH

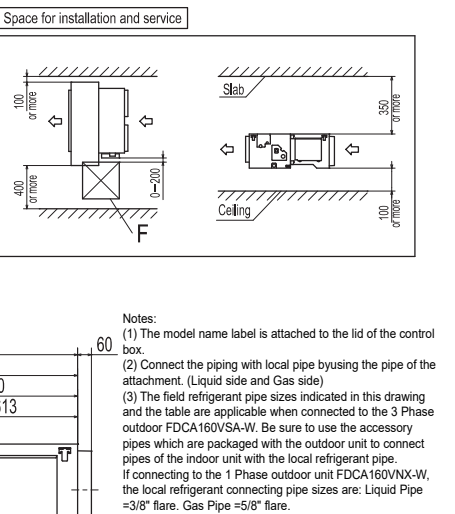
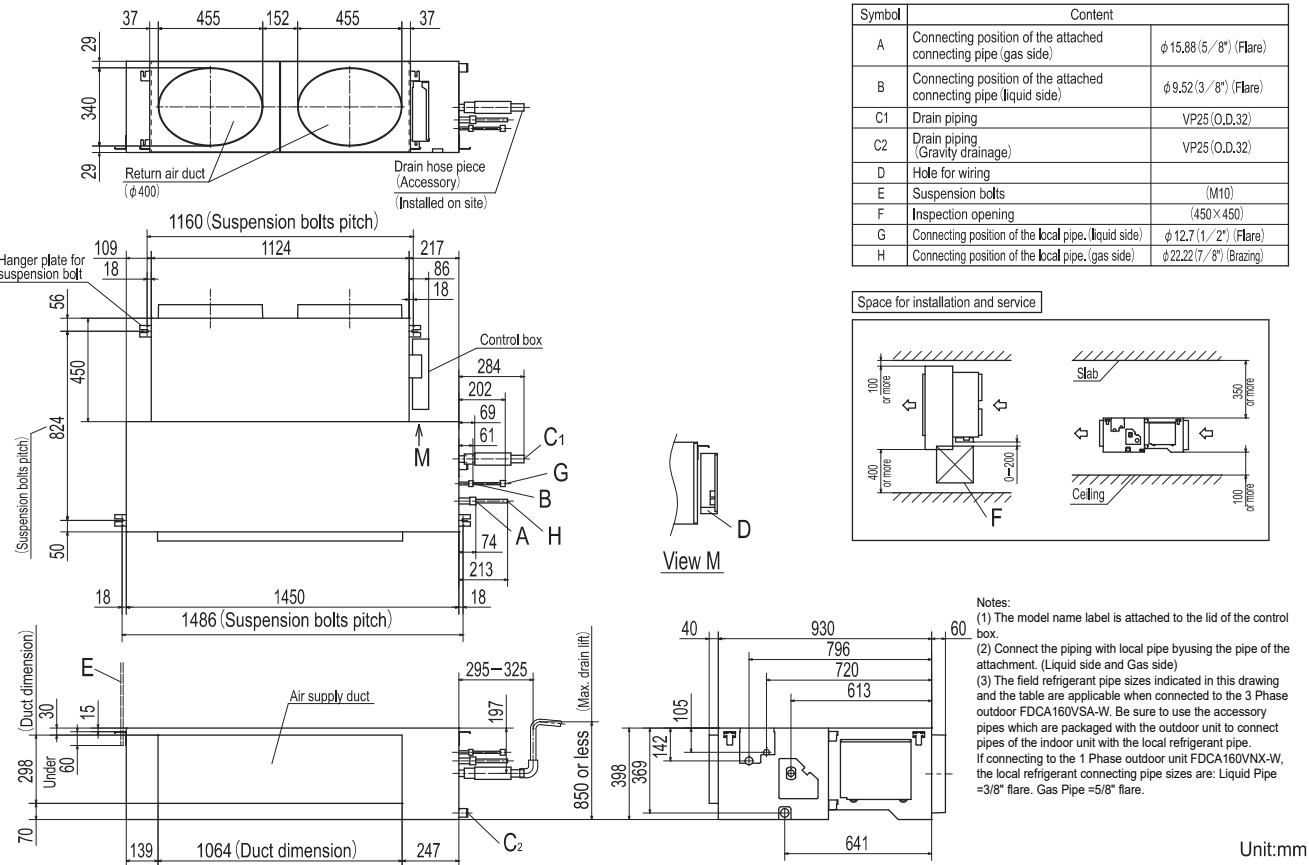


FDUA Series

FDUA140VH

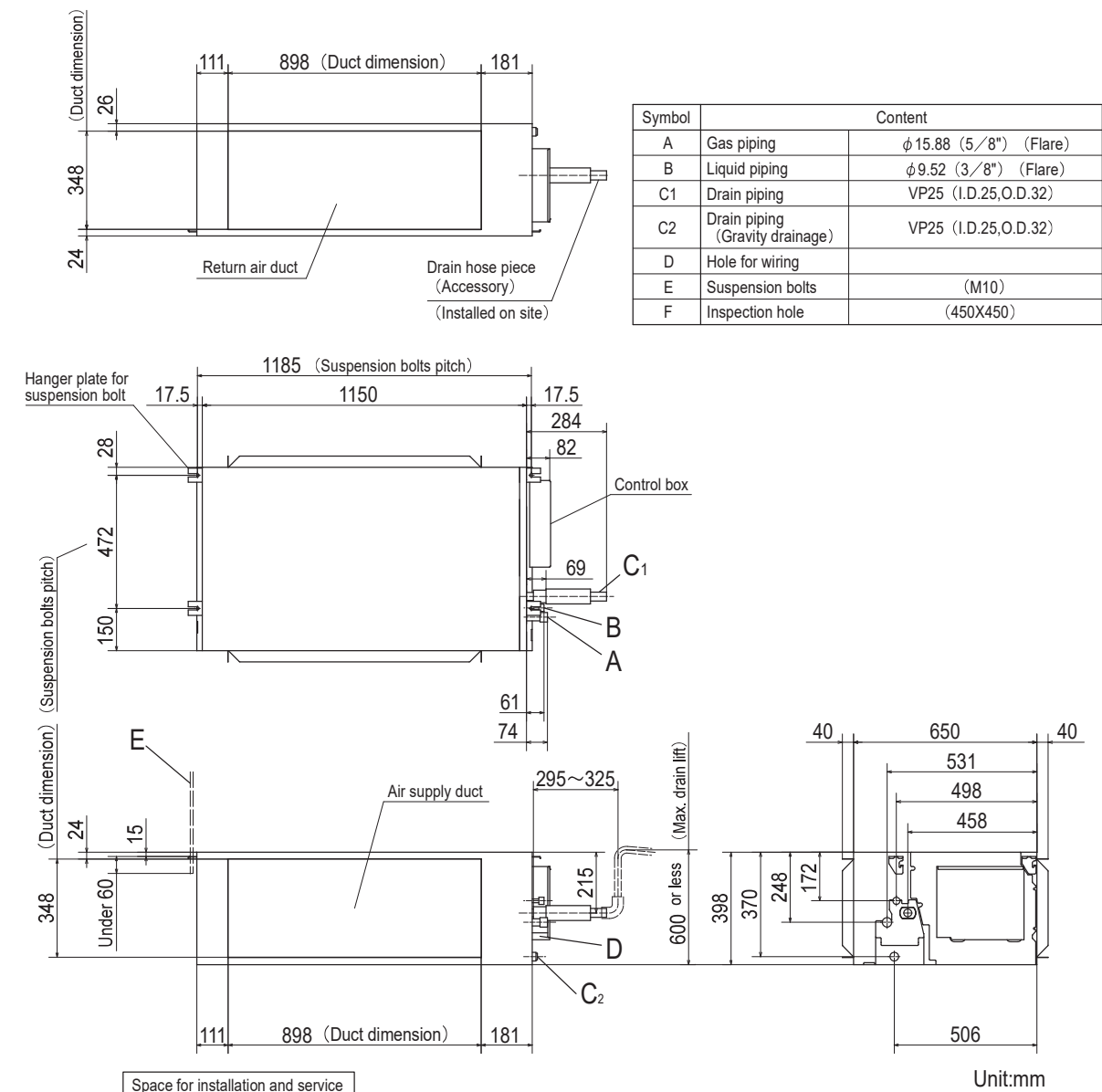


FDUA160VH



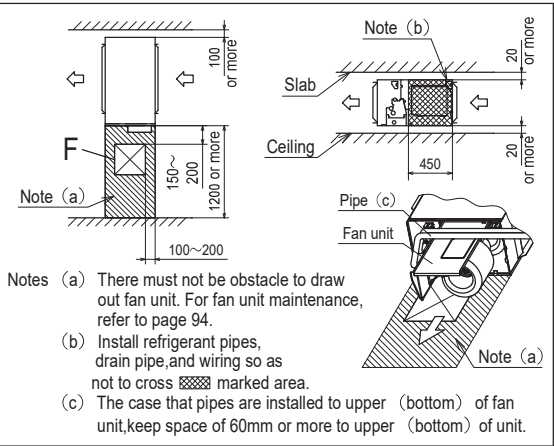
FDUA Series

FDUA140VF

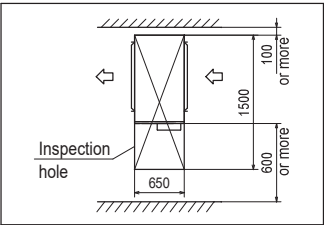


Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



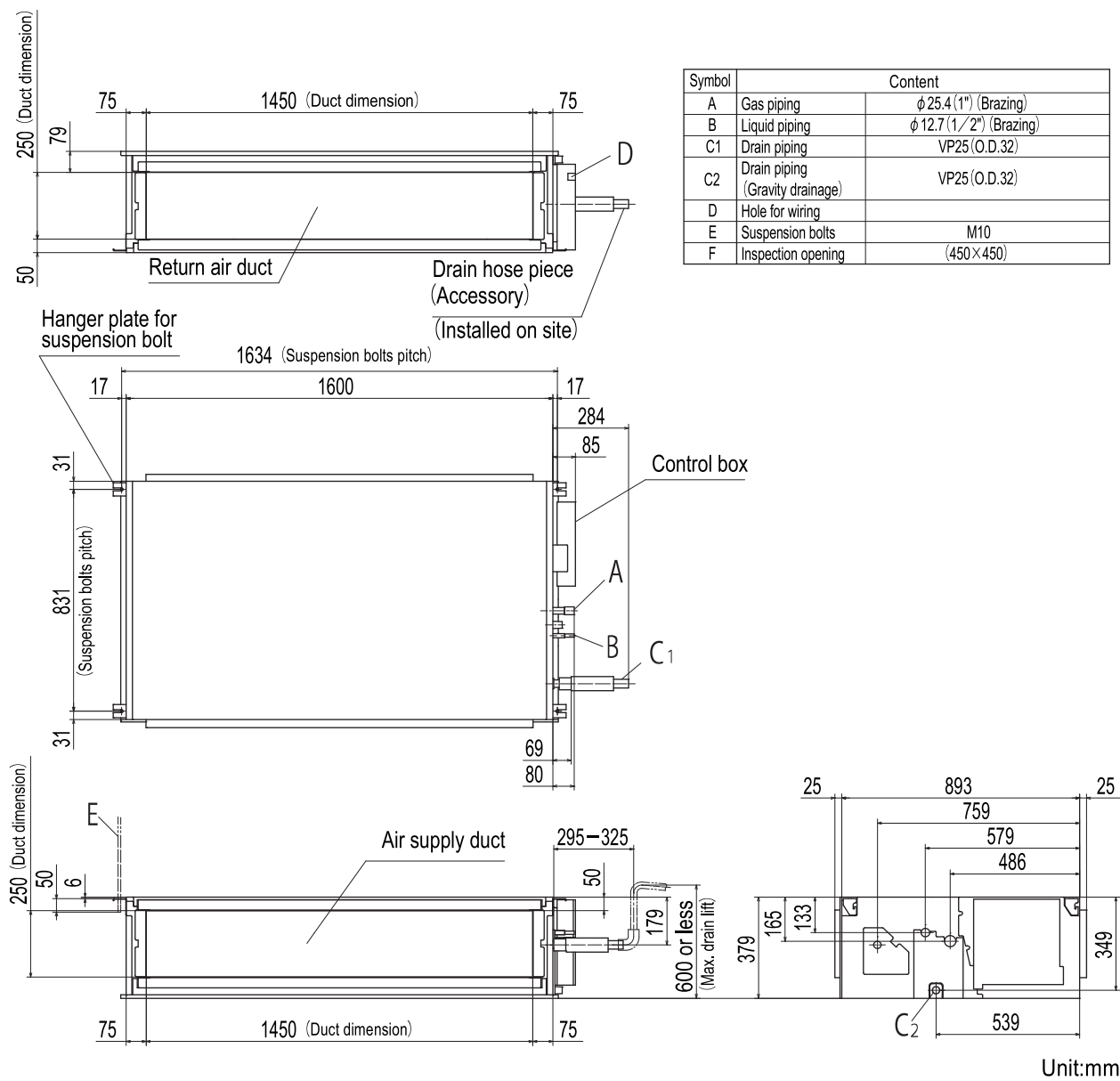
(Case 2) From bottom of unit



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

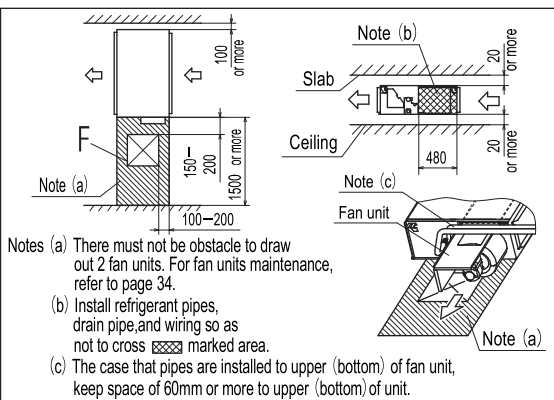
FDUA Series

FDUA200VH

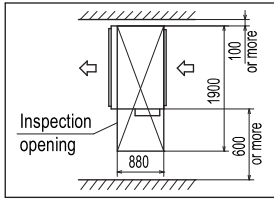


Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



(Case 2) From bottom of unit



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

FDU90KXE6F-W

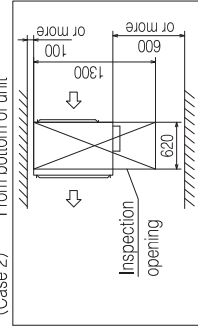
Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



(Case 2) From bottom of unit

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



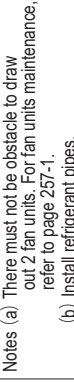
Unit:mm



FDU112KXE6F-W, 140KXE6F-W, 160KXE6F-W

Space for installation and service

Space for installation and services.
Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



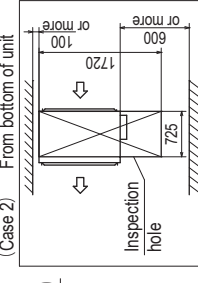
(Case 2) From bottom of unit

(Case 2) From bottom of unit



The diagram shows a rectangular unit with a hatched base. Inside, a triangular structure is formed by two vertical lines and a horizontal line at the top. Two arrows point downwards from the top corners of the triangle. A dimension line on the right indicates a height of 100 or more.

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

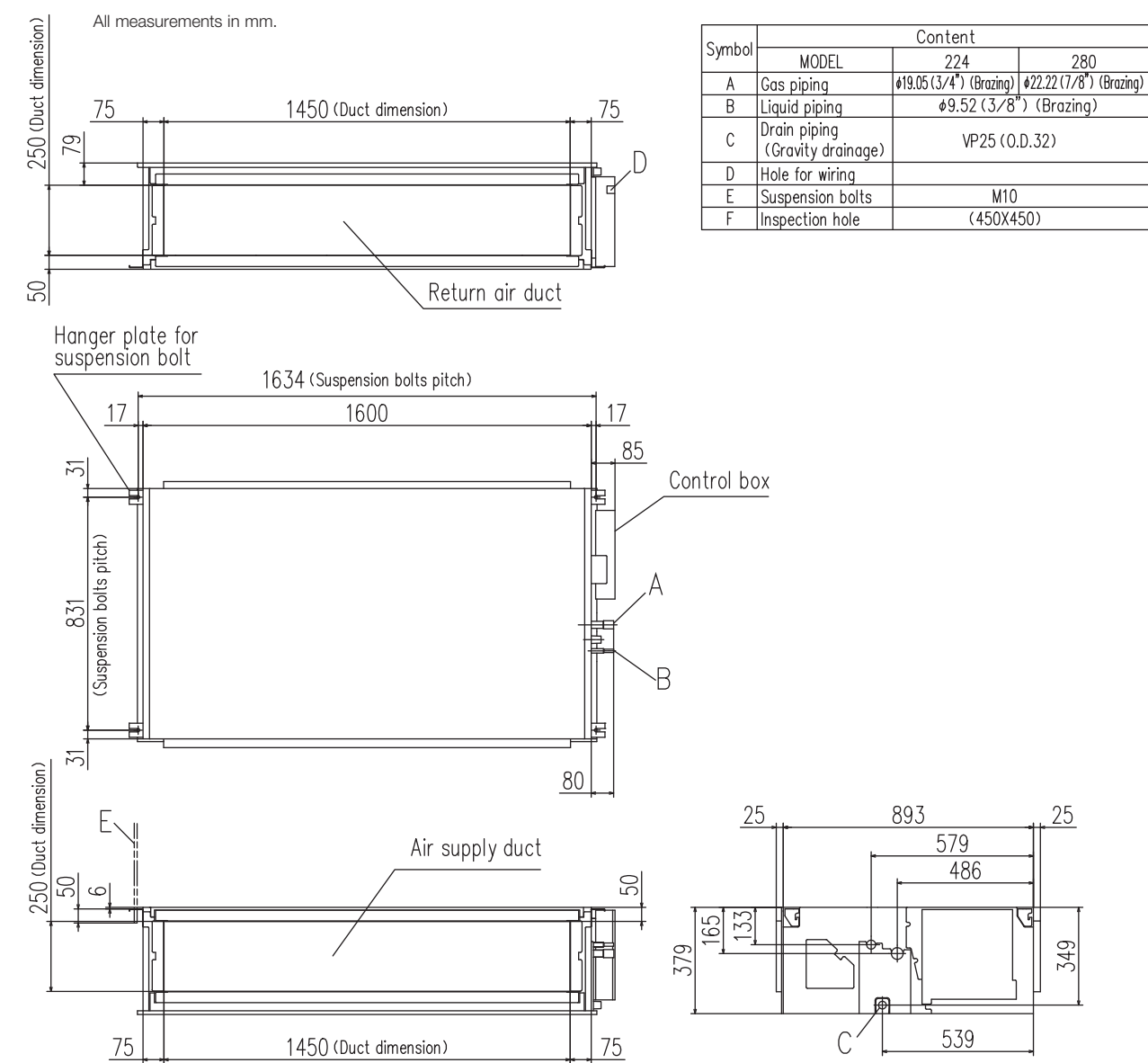


Unit:mm



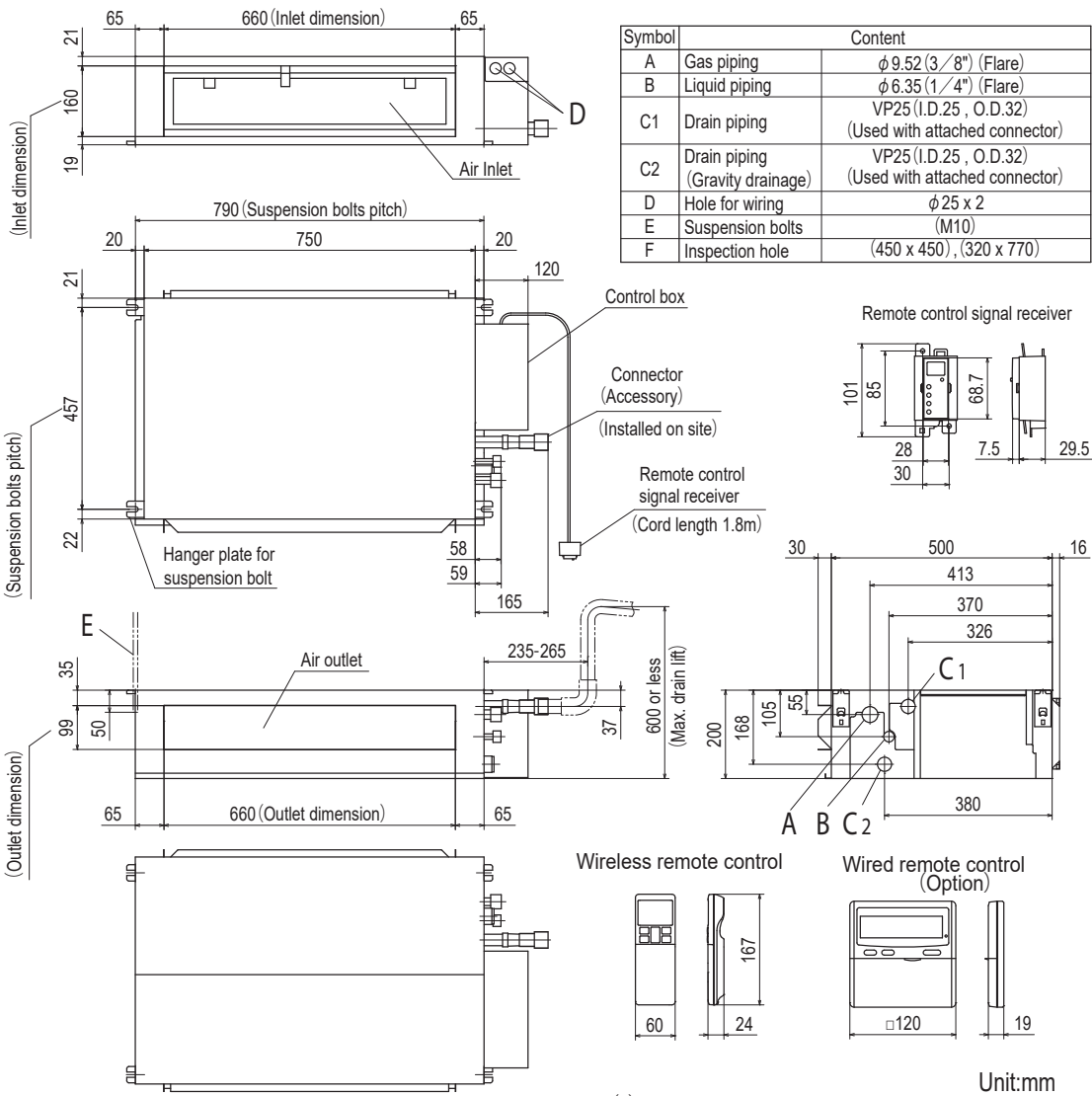
KX Series

FDU224KXZE1, 280KXZE1



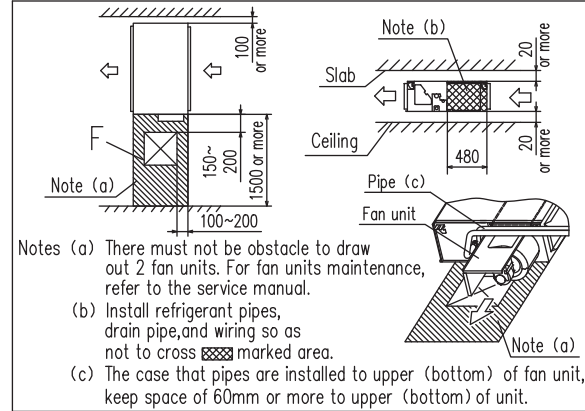
AKARI™ Series

SRR25ZS-W, 35ZS-W

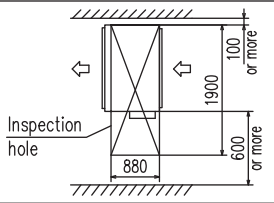


Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit

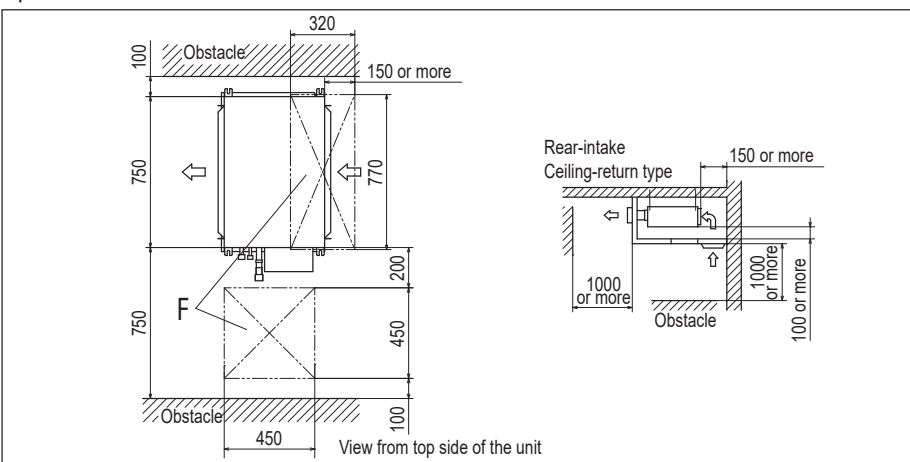


(Case 2) From bottom of unit



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

Space for installation and service



mhiheatpumps.co.nz G.S.T. 105-673-620

New Zealand: Phone: **0800 138 007**

Auckland 95 Manukau Road, Epsom, Auckland, 1023

Mitsubishi Heavy Industries Air conditioners Australia, Pty. Ltd.
New Zealand Branch

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