

DRAFT**MHI****DATA BOOK****HYPER INVERTER PACKAGED AIR-CONDITIONERS**

(Split system, Air to air heat pump type)

CEILING CASSETTE- 4 WAY COMPACT TYPE

Twin type	Triple type
FDTC71VNX PVD	FDTC140VNXTVD
100VNX PVD	140VSXTVD
100VSPVD	
125VNX PVD	
125VSPVD	

DUCT CONNECTED-LOW/MIDDLE STATIC PRESSURE TYPE

Single type	Twin type	Triple type
FDUM71VNXVD	FDUM100VNX PVD	FDUM140VNXTVD
100VNXVD	100VSPVD	140VSXTVD
100VSXVD	125VNX PVD	
125VNXVD	125VSPVD	
125VSXVD	140VNX PVD	
140VNXVD	140VSPVD	
140VSXVD		

CEILING CASSETTE- 4 WAY TYPE

Single type	Twin type	Triple type
FDT71VNXVD	FDT71VNX PVD	FDT140VNXTVD
100VNXVD	100VNX PVD	140VSXTVD
100VSXVD	100VSPVD	
125VNXVD	125VNX PVD	
125VSXVD	125VSPVD	
140VNXVD	140VNX PVD	
140VSXVD	140VSPVD	

DUCT CONNECTED-HIGH STATIC PRESSURE TYPE

Single type
FDU71VNXVD
100VNXVD
100VSXVD
125VNXVD
125VSXVD
140VNXVD
140VSXVD

CEILING SUSPENDED TYPE

Single type	Twin type	Triple type
FDEN71VNXVD	FDEN71VNX PVD	FDEN140VNXTVD
100VNXVD	100VNX PVD	140VSXTVD
100VSXVD	100VSPVD	
125VNXVD	125VNX PVD	
125VSXVD	125VSPVD	
140VNXVD	140VNX PVD	
140VSXVD	140VSPVD	

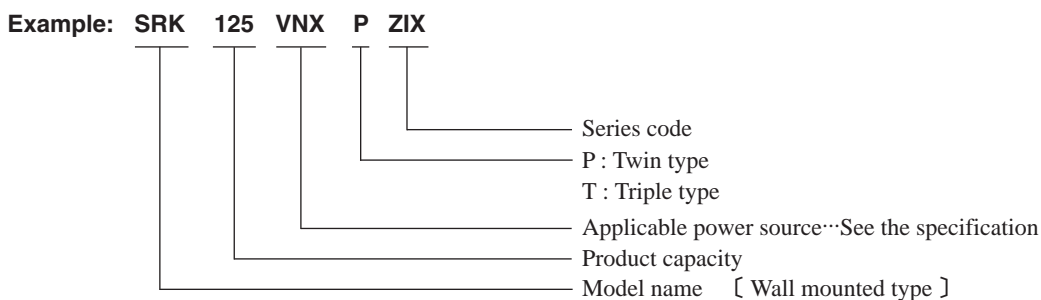
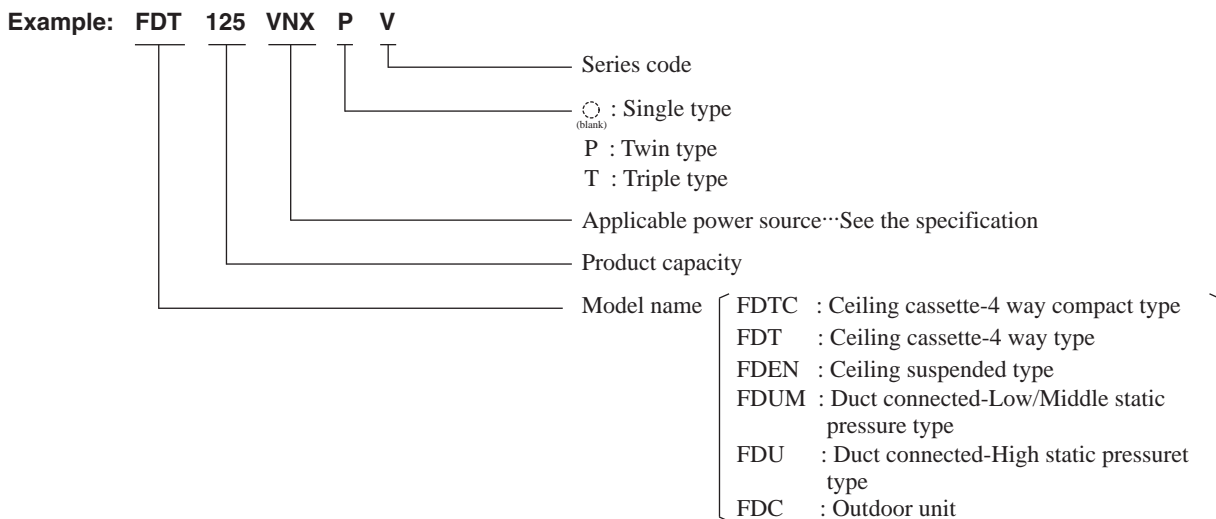
WALL MOUNTED TYPE

Twin type	Triple type
SRK100VNX PZIX	SRK140VNXTZIX
100VSPZIX	140VSXTZIX
125VNX PZIX	
125VSPZIX	

CONTENTS

1. SPECIFICATIONS	2
2. EXTERIOR DIMENSIONS	69
(1) Indoor units	69
(2) Outdoor units	81
(3) Remote controller (option parts)	83
3. ELECTRICAL WIRING	85
(1) Indoor units	85
(2) Outdoor units	94
4. RANGE OF USAGE & LIMITATIONS	97

How to read the model name



1. SPECIFICATIONS

(1) Ceiling cassette-4way compact type (FDTC)

(a) Twin type

Adapted to RoHS directive

Item	Model	FDTC71VNX PVD	
		Indoor unit FDTC40VD (2 units) Panel TC-PSA-25W-E	Outdoor unit FDC71VNX
Power source		220-240V ~ 50Hz / 220V ~ 60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	7.1 [3.2 (Min.) ~ 8.0 (Max.)]	8.0 [3.6 (Min.) ~ 9.0 (Max.)]
Power consumption	kW	1.99	2.18
Running current	A	8.9 / 9.3	9.7 / 10.2
Power factor	%	98	98
Inrush current	A	5 < Max. running current 17 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	Cooling : 51 Heating : 48
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	750 × 880 (+88) × 340
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	60
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.675 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 1
Motor <Starting method>	W	33 < Direct line start >	86 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	Cooling : 60 Heating : 50
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 50m	
Vertical height difference between outdoor unit and indoor unit		Max. 30m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	—

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1" × 1 (option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

Adapted to RoHS directive

Item	Model	FDTC100VNX PVD	
		Indoor unit FDTC50VD (2 units)	Outdoor unit FDC100VNX
		Panel TC-PSA-25W-E	
Power source			220-240V—50Hz / 220V—60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~ 11.2 (Max.)]	
Power consumption	kW	2.78	
Running current	A	12.3 / 12.9	
Power factor	%	98	
Inrush current	A	5 < Max.running current 24 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	33 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	100
External static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

Adapted to RoHS directive

Item	Model	FDTC100VSPVD	
		Indoor unit FDTC50VD (2 units)	Outdoor unit FDC100VSX
		Panel TC-PSA-25W-E	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~ 11.2 (Max.)]	
Power consumption	kW	2.78	
Running current	A	4.1 / 4.3	
Power factor	%	98	
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	49
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	33 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	100
External static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

Adapted to RoHS directive

Item	Model	FDTC125VNXPVD	
		Indoor unit FDTC60VD (2 units)	Outdoor unit FDC125VNX
		Panel TC-PSA-25W-E	
Power source		220-240V ~ 50Hz / 220V ~ 60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.) ~ 14.0 (Max.)]	
Power consumption	kW	4.10	
Running current	A	18.2 / 19.0	
Power factor	%	98	
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 46 Me : 39 Lo : 30 Heating P-Hi : 47 Hi : 46 Me : 39 Lo : 32	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5 105	
Refrigerant equipment Compressor type & Q'ty		RMT5134MDE2 × 1	
Starting method		Direct line start	
Refrigerant oil	ℓ	0.9 (M-MA68)	
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		Electronic expansion valve	
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	33 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 7.5 Heating P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 8	100
External static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	20 (Crank case heater)	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

Adapted to RoHS directive

Model		FDTC125VSPVD	
		Indoor unit FDTC60VD (2 units)	Outdoor unit FDC125VSX
Item		Panel TC-PSA-25W-E	
		Power source	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	4.10	4.10
Running current	A	6.0 / 6.4	6.0 / 6.4
Power factor	%	99 / 97	99 / 97
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 46 Me : 39 Lo : 30 Heating P-Hi : 47 Hi : 46 Me : 39 Lo : 32	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	33 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 7 Heating P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 8	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

(b) Triple type

Adapted to RoHS directive

Item	Model	FDTC140VNXTV D	
		Indoor unit FDTC50VD (3 units)	Outdoor unit FDC140VNX
		Panel TC-PSA-25W-E	
Power source			220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	
Power consumption	kW	4.34	
Running current	A	19.3 / 20.1	
Power factor	%	98	
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 248 x 570 x 570 Panel 35 x 700 x 700	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	
Refrigerant equipment Compressor type & Q'ty		—	
Starting method		—	
Refrigerant oil	ℓ	—	
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	33 < Direct line start >	
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	100
External static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"x1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

Adapted to RoHS directive

Model		FDTC140VSXTVD	
		Indoor unit FDTC50VD (3 units)	Outdoor unit FDC140VSX
Item		Panel TC-PSA-25W-E	
		Power source	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]
Power consumption	kW	4.34	4.34
Running current	A	6.4 / 6.7	6.4 / 6.7
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	33 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJA003Z379

(2) Ceiling cassette-4way type (FDT)

(a) Single type

Adapted to RoHS directive

Item	Model	FDT71VNXVD																				
		Indoor unit FDT71VD Panel T-PSA-3AW-E	Outdoor unit FDC71VNX																			
Power source			220-240V~50Hz / 220V~60Hz																			
Operation data		Cooling	Heating																			
Nominal capacity	kW	7.1 [3.2 (Min.)~8.0 (Max.)]	8.0 [3.6 (Min.)~9.0 (Max.)]																			
Power consumption	kW	2.04	1.94																			
Running current	A	9.1 / 9.5	8.7 / 9.0																			
Power factor	%	98	98																			
Inrush current	A	5 < Max.running current 17 >																				
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 35 Me : 33 Lo : 31	Cooling : 51 Heating : 48																			
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	750 × 880 (+88) × 340																			
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent																			
Net weight	kg	UNIT 24 PANEL 5.5	60																			
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 × 1																			
Starting method		—	Direct line start																			
Refrigerant oil	ℓ	—	0.675 (M-MA68)																			
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing																			
Refrigerant control		—	Electronic expansion valve																			
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 1																			
Motor <Starting method>	W	50 < Direct line start >	86 <Direct line start>																			
Air flow (Standard)	CMM	P-Hi : 28 Hi : 21 Me : 19 Lo : 17	Cooling : 60 Heating : 50																			
External static pressure	Pa	0	—																			
Outdoor air intake		Possible	—																			
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—																			
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)																			
Insulation (noise & heat)		Polyurethane form	—																			
Electric heater	W	—	20 (Crank case heater)																			
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)																				
Room temperature control		Thermostat by electronics	—																			
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.																			
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")																				
Connecting method		Flare piping	Flare piping																			
Refrigerant line (one way) length		Max.50m																				
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99																			
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)																				
Drain pump		Built-in Drain pump	—																			
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs																			
Insulation for piping		Necessary (both Liquid & Gas lines)																				
Standard Accessories		Mounting kit, Drain hose	—																			
Notes (1) The data are measured at the following conditions.																						
<table border="1"> <thead> <tr> <th rowspan="2">Item</th> <th colspan="2">Indoor air temperature</th> <th colspan="2">Outdoor air temperature</th> </tr> <tr> <th>DB</th> <th>WB</th> <th>DB</th> <th>WB</th> </tr> </thead> <tbody> <tr> <td>Cooling</td> <td>27°C</td> <td>19°C</td> <td>35°C</td> <td>24°C</td> </tr> <tr> <td>Heating</td> <td colspan="2">20°C</td> <td>7°C</td> <td>6°C</td> </tr> </tbody> </table>				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
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																		
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.																						
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.																						
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.																						
(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.																						

PJF000Z194

Adapted to **RoHS** directive

Item	Model	FDT100VNXVD	
		Indoor unit FDT100VD	Outdoor unit FDC100VNX
		Panel T-PSA-3AW-E	
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~12.5 (Max.)]
Power consumption	kW	2.50	2.58
Running current	A	11.1 / 11.6	11.4 / 12.0
Power factor	%	98	98
Inrush current	A	5 < Max.running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 40 Me : 37 Lo : 35	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 27 Me : 24 Lo : 20	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
Connecting method		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Refrigerant line (one way) length		Flare piping	
Vertical height difference between outdoor unit and indoor unit		Max.100m	
Refrigerant Quantity		Max.30m (Outdoor unit is higher) ※1.See page 99 Max.15m (Outdoor unit is lower)	
Drain pump		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain		Built-in Drain pump	—
Insulation for piping		Hose Connectable with VP20	
Standard Accessories		Holes size ϕ 20 x 3pcs	
		Necessary (both Liquid & Gas lines)	
		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to **RoHS** directive

Item	Model	FDT100VSXVD	
		Indoor unit FDT100VD	Outdoor unit FDC100VSX
		Panel T-PSA-3AW-E	
Power source			380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~12.5 (Max.)]
Power consumption	kW	2.50	2.58
Running current	A	3.7 / 3.9	3.8 / 4.0
Power factor	%	98 / 97	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 40 Me : 37 Lo : 35	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 27 Me : 24 Lo : 20	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
Connecting method		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Refrigerant line (one way) length		Flare piping	
Vertical height difference between outdoor unit and indoor unit		Max.100m	
Refrigerant Quantity		Max.30m (Outdoor unit is higher) ※1. See page 99 Max.15m (Outdoor unit is lower)	
Drain pump		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain		Built-in Drain pump	—
Insulation for piping		Hose Connectable with VP20	Holes size ϕ 20 x 3pcs
Standard Accessories		Necessary (both Liquid & Gas lines)	
		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT125VNXVD	
		Indoor unit FDT125VD Panel T-PSA-3AW-E	Outdoor unit FDC125VNX
Power source			220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~17.0 (Max.)]
Power consumption	kW	3.28	3.43
Running current	A	14.6 / 15.2	15.2 / 15.9
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 42 Me : 40 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 30 Me : 27 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
Connecting method		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Refrigerant line (one way) length		Flare piping	
Vertical height difference between outdoor unit and indoor unit		Max.100m	
Refrigerant Quantity		Max.30m (Outdoor unit is higher) ※1. See page 99 Max.15m (Outdoor unit is lower)	
Drain pump		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain		Built-in Drain pump	—
Insulation for piping		Hose Connectable with VP20	Holes size ϕ 20 x 3pcs
Standard Accessories		Necessary (both Liquid & Gas lines)	
		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT125VSXVD	
		Indoor unit FDT125VD	Outdoor unit FDC125VSX
		Panel T-PSA-3AW-E	
Power source			380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.28	3.43
Running current	A	4.8 / 5.1	5.1 / 5.3
Power factor	%	99 / 98	97 / 98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 42 Me : 40 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 30 Me : 27 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")	
Refrigerant piping size		Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT140VNXVD	
		Indoor unit FDT140VD Panel T-PSA-3AW-E	Outdoor unit FDC140VNX
Power source			220-240V ~50Hz / 220V ~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.) ~ 16.0 (Max.)]	16.0 [4.0 (Min.) ~ 18.0 (Max.)]
Power consumption	kW	4.19	4.20
Running current	A	18.6 / 19.4	18.6 / 19.5
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 43 Me : 41 Lo : 38	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 30 Me : 27 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/2" φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : 1/2" φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT140VSXVD	
		Indoor unit FDT140VD	Outdoor unit FDC140VSX
		Panel T-PSA-3AW-E	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]
Power consumption	kW	4.19	4.20
Running current	A	6.2 / 6.5	6.2 / 6.5
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 51 Hi : 43 Me : 41 Lo : 38	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 298 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 27 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	140 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 37 Hi : 30 Me : 27 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

(b) Twin type

Adapted to RoHS directive

Item	Model	FDT71VNX PVD	
		Indoor unit FDT40VD (2 units)	Outdoor unit FDC71VNX
		Panel T-PSA-3AW-E	
Power source			220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	7.1 [3.2 (Min.)~8.0 (Max.)]	8.0 [3.6 (Min.)~9.0 (Max.)]
Power consumption	kW	1.85	1.99
Running current	A	8.3 / 8.6	8.9 / 9.3
Power factor	%	98	98
Inrush current	A	5 < Max.running current 17 >	
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	Cooling : 51 Heating : 48
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	750 × 880 (+88) × 340
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 22 PANEL 5.5	60
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.675 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 1
Motor <Starting method>	W	50 < Direct line start >	86 <Direct line start>
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	Cooling : 60 Heating : 50
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.50m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	—

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.
(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Model		FDT100VNX PVD	
		Indoor unit FDT50VD (2 units) Panel T-PSA-3AW-E	Outdoor unit FDC100VNX
Power source			220-240V ~ 50Hz / 220V ~ 60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.) ~ 11.2 (Max.)]	11.2 [4.0 (Min.) ~ 12.5 (Max.)]
Power consumption	kW	2.56	2.66
Running current	A	11.4 / 11.9	11.8 / 12.3
Power factor	%	98	98
Inrush current	A	5 < Max. running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 22 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	50 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 100m	
Vertical height difference between outdoor unit and indoor unit		Max. 30m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging
Exterior dimensions		PJF000Z045	PCA001Z569
Electrical wiring		PJF000Z190	PCA001Z570

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Model		FDT100VSPVD	
		Indoor unit FDT50VD (2 units) Panel T-PSA-3AW-E	Outdoor unit FDC100VSX
Power source			380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0(Min.)~11.2 (Max.)]	11.2 [4.0(Min.)~12.5 (Max.)]
Power consumption	kW	2.56	2.66
Running current	A	3.8 / 4.0	3.9 / 4.1
Power factor	%	97	98 / 99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 22 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	50 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging
Exterior dimensions		PJF000Z045	PCA001Z569
Electrical wiring		PJF000Z190	PCA001Z571

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT125VNX PVD	
		Indoor unit FDT60VD (2 units)	Outdoor unit FDC125VNX
		Panel T-PSA-3AW-E	
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~17.0 (Max.)]
Power consumption	kW	3.06	3.22
Running current	A	13.6 / 14.2	14.3 / 14.9
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 33 Me : 31 Lo : 30	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 246 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 24 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	50 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 28 Hi : 18 Me : 16 Lo : 14	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")	
Refrigerant piping size		Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1" x 1 (option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Model		FDT125VSPVD	
		Indoor unit FDT60VD (2 units) Panel T-PSA-3AW-E	Outdoor unit FDC125VSX
Power source			380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.06	3.22
Running current	A	4.5 / 4.7	4.7 / 5.0
Power factor	%	98 / 99	99 / 98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 33 Me : 31 Lo : 30	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 24 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	50 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 28 Hi : 18 Me : 16 Lo : 14	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Model		FDT140VNX PVD	
		Indoor unit FDT71VD (2 units) Panel T-PSA-3AW-E	Outdoor unit FDC140VNX
Power source			220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.88	3.70
Running current	A	17.2 / 18.0	16.4 / 17.2
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 35 Me : 33 Lo : 31	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 246 x 840 x 840 Panel 35 x 950 x 950	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 24 PANEL 5.5	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan x 1	Propeller fan x 2
Motor <Starting method>	W	50 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 28 Hi : 21 Me : 19 Lo : 17	100
External static pressure	Pa	0	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 9.52 (3/8") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 15.88 (5/8") ② φ 15.88 (5/8") x 1.0 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT140VSPVD			
		Indoor unit FDT71VD (2 units)	Outdoor unit FDC140VSX		
		Panel T-PSA-3AW-E			
Power source			380-415V 3N~50Hz / 380V 3N~60Hz		
Operation data		Cooling	Heating		
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]		
Power consumption	kW	3.88	3.70		
Running current	A	5.7 / 6.0	5.4 / 5.7		
Power factor	%	98	99		
Inrush current	A	5 < Max.running current 15 >			
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 35 Me : 33 Lo : 31	Cooling : 49 Heating : 52		
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	1,300 × 970 × 370		
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent		
Net weight	kg	UNIT 24 PANEL 5.5	105		
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1		
Starting method		—	Direct line start		
Refrigerant oil	ℓ	—	0.9 (M-MA68)		
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing		
Refrigerant control		—	Electronic expansion valve		
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2		
Motor <Starting method>	W	50 < Direct line start >	86 × 2 < Direct line start >		
Air flow (Standard)	CMM	P-Hi : 28 Hi : 21 Me : 19 Lo : 17	100		
External static pressure	Pa	0	—		
Outdoor air intake		Possible	—		
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	—		
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)		
Insulation (noise & heat)		Polyurethane form	—		
Electric heater	W	—	20 (Crank case heater)		
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)			
Room temperature control		Thermostat by electronics	—		
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 9.52 (3/8") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 15.88 (5/8") ② φ 15.88 (5/8") × 1.0 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connecting method		Flare piping	Flare piping		
Refrigerant line (one way) length		Max.100m			
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99		
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit			
Drain pump		Built-in Drain pump	—		
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs		
Insulation for piping		Necessary (both Liquid & Gas lines)			
Standard Accessories		Mounting kit, Drain hose	Edging		
Notes (1) The data are measured at the following conditions.					
	Item	Indoor air temperature		Outdoor air temperature	
	Operation	DB	WB	DB	WB
	Cooling	27°C	19°C	35°C	24°C
	Heating	20°C		7°C	6°C
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.					
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.					
(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.					
(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.					
(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U					
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.					

PJF000Z194

(c) Triple type

Adapted to RoHS directive

Item	Model	FDT140VNXTVD			
		Indoor unit FDT50VD (3 units)		Outdoor unit FDC140VNX	
		Panel T-PSA-3AW-E			
Power source				220-240V~50Hz / 220V~60Hz	
Operation data		Cooling		Heating	
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]		16.0 [4.0 (Min.)~18.0 (Max.)]	
Power consumption	kW	3.88		3.76	
Running current	A	17.2 / 18.0		16.7 / 17.4	
Power factor	%	98		98	
Inrush current	A	5 < Max.running current 26 >			
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30		Cooling : 49 Heating : 52	
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950		1,300 × 970 × 370	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent		Stucco White (4.2Y7.5/1.1) near equivalent	
Net weight	kg	UNIT 22 PANEL 5.5		105	
Refrigerant equipment Compressor type & Q'ty		—		RMT5134MDE2 × 1	
Starting method		—		Direct line start	
Refrigerant oil	ℓ	—		0.9 (M-MA68)	
Heat exchanger		Louver fin & inner grooved tubing		M shape fin & inner grooved tubing	
Refrigerant control		—		Electronic expansion valve	
Air handling equipment Fan type & Q'ty		Turbo fan × 1		Propeller fan × 2	
Motor <Starting method>	W	50 < Direct line start >		86 × 2 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14		100	
External static pressure	Pa	0		—	
Outdoor air intake		Possible		—	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)		—	
Shock & vibration absorber		Rubber sleeve (for fan motor)		Rubber sleeve (for Compressor)	
Insulation (noise & heat)		Polyurethane form		—	
Electric heater	W	—		20 (Crank case heater)	
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)			
Room temperature control		Thermostat by electronics		—	
Safety equipment		Overload protection for fan motor Frost protection thermostat		Internal thermostat for fan motor Abnormal discharge temperature protection.	
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connecting method		Flare piping		Flare piping	
Refrigerant line (one way) length		Max.100m			
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)		※1. See page 100	
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit			
Drain pump		Built-in Drain pump		—	
Drain		Hose Connectable with VP20		Holes size φ 20 × 3pcs	
Insulation for piping		Necessary (both Liquid & Gas lines)			
Standard Accessories		Mounting kit, Drain hose		Edging	
Notes (1) The data are measured at the following conditions.					
	Item	Indoor air temperature		Outdoor air temperature	
	Operation	DB	WB	DB	WB
	Cooling	27°C	19°C	35°C	24°C
	Heating	20°C		7°C	6°C
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.					
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.					
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.					
(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.					
(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U					
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.					

PJF000Z194

Adapted to RoHS directive

Item	Model	FDT140VSXTVD	
		Indoor unit FDT50VD (3 units)	Outdoor unit FDC140VSX
		Panel T-PSA-3AW-E	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	
Power consumption	kW	3.88	
Running current	A	5.7 / 6.0	
Power factor	%	98	
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	Unit 246 × 840 × 840 Panel 35 × 950 × 950	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 22 PANEL 5.5	
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 2
Motor <Starting method>	W	50 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	100
External static pressure	Pa	0	
Outdoor air intake		Possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-T-36W-E (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJF000Z194

(3) Ceiling suspended type (FDEN)**(a) Single type**

Adapted to RoHS directive

Item	Model	FDEN71VNXVD	
		Indoor unit FDEN71VD	Outdoor unit FDC71VNX
Power source		—	220-240V ~ 50Hz / 220V ~ 60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	7.1 [3.2 (Min.)~8.0 (Max.)]	8.0 [3.6 (Min.)~9.0 (Max.)]
Power consumption	kW	2.11	2.11
Running current	A	9.4 / 9.8	9.4 / 9.8
Power factor	%	98	98
Inrush current	A	5 < Max.running current 17 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 41 Me : 39 Lo : 38	Cooling : 51 Heating : 48
Exterior dimensions Height x Width x Depth	mm	210 × 1,320 × 690	750 × 880 (+88) × 340
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	37	60
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.675 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 1
Motor <Starting method>	W	20 × 2 < Direct line start >	86 <Direct line start>
Air flow (Standard)	CMM	P-Hi : 22 Hi : 18 Me : 14 Lo : 12	Cooling : 60 Heating : 50
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : 1/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.50m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	—

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN100VNXVD	
		Indoor unit FDEN100VD	Outdoor unit FDC100VNX
Power source		220-240V ~ 50Hz / 220V ~ 60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.) ~ 11.2 (Max.)]	11.2 [4.0 (Min.) ~ 12.5 (Max.)]
Power consumption	kW	2.80	2.88
Running current	A	12.4 / 13.0	12.8 / 13.4
Power factor	%	98	98
Inrush current	A	5 < Max. running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 44 Me : 41 Lo : 39	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	250 x 1,620 x 690	1,300 x 970 x 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	49	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 4	Propeller fan x 2
Motor <Starting method>	W	30 x 2 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 28 Hi : 26 Me : 23 Lo : 21	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net x 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")	
Refrigerant piping size		Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 100m	
Vertical height difference between outdoor unit and indoor unit		Max. 30m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to **RoHS** directive

Item	Model	FDEN100VSXVD	
		Indoor unit FDEN100VD	Outdoor unit FDC100VSX
Power source		—	380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~16.0 (Max.)]
Power consumption	kW	2.80	2.88
Running current	A	4.1 / 4.3	4.2 / 4.5
Power factor	%	99	99 / 97
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 44 Me : 41 Lo : 39	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	250 × 1,620 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	49	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	30 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 28 Hi : 26 Me : 23 Lo : 21	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20(Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	DB	WB	DB	WB
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN125VNXVD	
		Indoor unit FDEN125VD	Outdoor unit FDC125VNX
Power source		—	220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~17.0 (Max.)]
Power consumption	kW	3.86	3.77
Running current	A	17.1 / 17.9	16.7 / 17.5
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 46 Me : 44 Lo : 43	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	250 × 1,620 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	49	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	40 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 32 Hi : 29 Me : 26 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN125VSXVD	
		Indoor unit FDEN125VD	Outdoor unit FDC125VSX
Power source		—	380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.86	3.77
Running current	A	5.7 / 6.0	5.6 / 5.8
Power factor	%	98	97 / 99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 46 Me : 44 Lo : 43	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	250 × 1,620 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	46	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	40 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 32 Hi : 29 Me : 26 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data	mm	Liquid line : 1/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")	
Refrigerant piping size		Gas line : 1/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN140VNXVD	
		Indoor unit FDEN140VD	Outdoor unit FDC140VNX
Power source		—	220-240V ~ 50Hz / 220V ~ 60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.) ~ 16.0 (Max.)]	16.0 [4.0 (Min.) ~ 18.0 (Max.)]
Power consumption	kW	4.98	4.69
Running current	A	22.1 / 23.1	20.8 / 21.8
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 46 Me : 44 Lo : 43	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	250 × 1,620 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	49	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	40 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 32 Hi : 29 Me : 26 Lo : 23	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN140VSXVD																				
		Indoor unit FDEN140VD	Outdoor unit FDC140VSX																			
Power source		380-415V 3N~50Hz / 380V 3N~60Hz																				
Operation data		Cooling	Heating																			
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]																			
Power consumption	kW	4.98	4.69																			
Running current	A	7.3 / 7.7	6.9 / 7.3																			
Power factor	%	98	98																			
Inrush current	A	5 < Max.running current 15 >																				
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 46 Me : 44 Lo : 43	Cooling : 49 Heating : 52																			
Exterior dimensions Height x Width x Depth	mm	250 x 1,620 x 690	1,300 x 970 x 370																			
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent																			
Net weight	kg	49	105																			
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 x 1																			
Starting method		—	Direct line start																			
Refrigerant oil	ℓ	—	0.9 (M-MA68)																			
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing																			
Refrigerant control		—	Electronic expansion valve																			
Air handling equipment Fan type & Q'ty		Centrifugal fan x 4	Propeller fan x 2																			
Motor <Starting method>	W	40 x 2 < Direct line start >	86 x 2 < Direct line start >																			
Air flow (Standard)	CMM	P-Hi : 32 Hi : 29 Me : 26 Lo : 23	100																			
External static pressure	Pa	0	—																			
Outside air intake		Not possible	—																			
Air filter, Q'ty		Pocket plastic net x 2 (Washable)	—																			
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)																			
Insulation (noise & heat)		Polyurethane form	—																			
Electric heater	W	—	20 (Crank case heater)																			
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)																				
Room temperature control		Thermostat by electronics	—																			
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.																			
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")																				
Connecting method		Flare piping	Flare piping																			
Refrigerant line (one way) length		Max.100m																				
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99																			
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)																				
Drain pump		—	—																			
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs																			
Insulation for piping		Necessary (both Liquid & Gas lines)																				
Standard Accessories		Mounting kit, Drain hose	Edging																			
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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																		
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.																						
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.																						
(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.																						
(5) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.																						

PFA003Z911

(b) Twin type

Adapted to RoHS directive

Model		FDEN71VNX PVD																				
		Indoor unit FDEN40VD (2 units)	Outdoor unit FDC71VNX																			
Item		-																				
Power source		220-240V~50Hz / 220V~60Hz																				
Operation data		Cooling	Heating																			
Nominal capacity	kW	7.1 [3.2 (Min.)~8.0 (Max.)]	8.0 [3.6 (Min.)~9.0 (Max.)]																			
Power consumption	kW	1.98	2.40																			
Running current	A	8.8 / 9.2	10.7 / 11.2																			
Power factor	%	98	98																			
Inrush current	A	5 < Max.running current 17 >																				
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	Cooling : 51 Heating : 48																			
Exterior dimensions Height x Width x Depth	mm	210 × 1,070 × 690	750 × 880 (+88) × 340																			
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent																			
Net weight	kg	28	60																			
Refrigerant equipment Compressor type & Q'ty		-	RMT5118MDE2 × 1																			
Starting method		-	Direct line start																			
Refrigerant oil	ℓ	-	0.675 (M-MA68)																			
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing																			
Refrigerant control		-	Electronic expansion valve																			
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 1																			
Motor <Starting method>	W	25 < Direct line start >	86 < Direct line start >																			
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	Cooling : 60 Heating : 50																			
External static pressure	Pa	0	-																			
Outdoor air intake		Not possible	-																			
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	-																			
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)																			
Insulation (noise & heat)		Polyurethane form	-																			
Electric heater	W	-	20 (Crank case heater)																			
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)																				
Room temperature control		Thermostat by electronics	-																			
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.																			
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")																				
Connecting method		Flare piping	Flare piping																			
Refrigerant line (one way) length		Max.50m																				
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99																			
Refrigerant Quantity		R410A 2.95kg in indoor unit (incl. the amount for the piping of : 30m)																				
Drain pump		-	-																			
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs																			
Insulation for piping		Necessary (both Liquid & Gas lines)																				
Standard Accessories		Mounting kit, Drain hose	-																			
Notes (1) The data are measured at the following conditions.																						
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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																		
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.																						
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.																						
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.																						
(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.																						
(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U																						
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.																						

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN100VNX PVD	
		Indoor unit FDEN50VD (2 units)	Outdoor unit FDC100VNX
Power source		220-240V ~ 50Hz / 220V ~ 60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.) ~ 11.2 (Max.)]	11.2 [4.0 (Min.) ~ 12.5 (Max.)]
Power consumption	kW	3.02	3.18
Running current	A	13.4 / 14.0	14.1 / 14.7
Power factor	%	98	98
Inrush current	A	5 < Max. running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	210 × 1,070 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	28	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	25 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 100m	
Vertical height difference between outdoor unit and indoor unit		Max. 30m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Model		FDEN100VSPVD	
		Indoor unit FDEN50VD (2 units)	Outdoor unit FDC100VSX
Item		—	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~16.0 (Max.)]
Power consumption	kW	3.02	3.18
Running current	A	4.4 / 4.7	4.7 / 4.9
Power factor	%	99 / 98	98 / 99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	210 × 1,070 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	28	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	25 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.10m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to RoHS directive

Model		FDEN125VNX PVD																				
		Indoor unit FDEN60VD (2 units)	Outdoor unit FDC125VNX																			
Item		-																				
Power source		220-240V ~ 50Hz / 220V ~ 60Hz																				
Operation data		Cooling	Heating																			
Nominal capacity	kW	12.5 [5.0 (Min.) ~ 14.0 (Max.)]	14.0 [4.0 (Min.) ~ 17.0 (Max.)]																			
Power consumption	kW	3.86	3.70																			
Running current	A	17.1 / 17.9	16.4 / 17.2																			
Power factor	%	98	98																			
Inrush current	A	5 < Max.running current 26 >																				
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 41 Me : 39 Lo : 38	Cooling : 48 Heating : 50																			
Exterior dimensions Height x Width x Depth	mm	210 x 1,320 x 690	1,300 x 970 x 370																			
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent																			
Net weight	kg	37	105																			
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE2 x 1																			
Starting method		-	Direct line start																			
Refrigerant oil	ℓ	-	0.9 (M-MA68)																			
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing																			
Refrigerant control		-	Electronic expansion valve																			
Air handling equipment Fan type & Q'ty		Centrifugal fan x 4	Propeller fan x 2																			
Motor <Starting method>	W	20 x 2 < Direct line start >	86 x 2 < Direct line start >																			
Air flow (Standard)	CMM	P-Hi : 22 Hi : 18 Me : 14 Lo : 12	100																			
External static pressure	Pa	0	-																			
Outdoor air intake		Not possible	-																			
Air filter, Q'ty		Pocket plastic net x 2 (Washable)	-																			
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)																			
Insulation (noise & heat)		Polyurethane form	-																			
Electric heater	W	-	20 (Crank case heater)																			
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)																				
Room temperature control		Thermostat by electronics	-																			
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.																			
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")																				
Connecting method		Flare piping	Flare piping																			
Refrigerant line (one way) length		Max.100m																				
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	*1. See page 99																			
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit																				
Drain pump		-	-																			
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs																			
Insulation for piping		Necessary (both Liquid & Gas lines)																				
Standard Accessories		Mounting kit, Drain hose	Edging																			
Notes (1) The data are measured at the following conditions.																						
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Item	Indoor air temperature		Outdoor air temperature																			
	DB	WB	DB	WB																		
Cooling	27°C	19°C	35°C	24°C																		
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(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.																						
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(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.																						
(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.																						
(6) Branching pipe set "DIS-WA1"x1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U																						
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.																						

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN125VSPVD	
		Indoor unit FDEN60VD (2 units)	Outdoor unit FDC125VSX
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.86	3.70
Running current	A	5.7 / 6.0	5.4 / 5.7
Power factor	%	98	99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 41 Me : 39 Lo : 38	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	210 × 1,320 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	37	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	20 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 22 Hi : 18 Me : 14 Lo : 12	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

Adapted to **RoHS** directive

Model		FDEN140VNX PVD																						
		Indoor unit FDEN71VD (2 units)		Outdoor unit FDC140VNX																				
Item		—																						
Power source				220-240V~50Hz / 220V~60Hz																				
Operation data		Cooling		Heating																				
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]		16.0 [4.0 (Min.)~18.0 (Max.)]																				
Power consumption	kW	4.78		4.43																				
Running current	A	21.2 / 22.2		19.7 / 20.5																				
Power factor	%	98		98																				
Inrush current	A	5 < Max.running current 26 >																						
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 41 Me : 39 Lo : 38		Cooling : 49 Heating : 52																				
Exterior dimensions Height x Width x Depth	mm	210 x 1,320 x 690		1,300 x 970 x 370																				
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent		Stucco White (4.2Y7.5/1.1) near equivalent																				
Net weight	kg	37		105																				
Refrigerant equipment Compressor type & Q'ty		—		RMT5134MDE2 x 1																				
Starting method		—		Direct line start																				
Refrigerant oil	ℓ	—		0.9 (M-MA68)																				
Heat exchanger		Louver fin & inner grooved tubing		M shape fin & inner grooved tubing																				
Refrigerant control		—		Electronic expansion valve																				
Air handling equipment Fan type & Q'ty		Centrifugal fan x 4		Propeller fan x 2																				
Motor <Starting method>	W	20 x 2 < Direct line start >		86 x 2 < Direct line start >																				
Air flow (Standard)	CMM	P-Hi : 22 Hi : 18 Me : 14 Lo : 12		100																				
External static pressure	Pa	0		—																				
Outdoor air intake		Not possible		—																				
Air filter, Q'ty		Pocket plastic net x 2 (Washable)		—																				
Shock & vibration absorber		Rubber sleeve (for fan motor)		Rubber sleeve (for Compressor)																				
Insulation (noise & heat)		Polyurethane form		—																				
Electric heater	W	—		20 (Crank case heater)																				
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)																						
Room temperature control		Thermostat by electronics		—																				
Safety equipment		Internal thermostat for fan motor Frost protection thermostat		Internal thermostat for fan motor Abnormal discharge temperature protection.																				
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")																						
		Gas line : I/U φ 15.88 (5/8") ② φ 15.88 (5/8") x 1.0 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")																						
Connecting method		Flare piping		Flare piping																				
Refrigerant line (one way) length		Max.100m																						
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher)		※1. See page 99																				
		Max.15m (Outdoor unit is lower)																						
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit																						
Drain pump		—		—																				
Drain		Hose Connectable with VP20		Holes size φ 20 x 3pcs																				
Insulation for piping		Necessary (both Liquid & Gas lines)																						
Standard Accessories		Mounting kit, Drain hose		Edging																				
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(6) Branching pipe set "DIS-WA1"x1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U																								
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.																								

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN140VSPVD	
		Indoor unit FDEN71VD (2 units)	Outdoor unit FDC140VSX
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]
Power consumption	kW	4.78	4.43
Running current	A	7.0 / 7.4	6.5 / 6.9
Power factor	%	99 / 98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 50 Hi : 41 Me : 39 Lo : 38	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	210 × 1,320 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	37	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 4	Propeller fan × 2
Motor <Starting method>	W	20 × 2 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 22 Hi : 18 Me : 14 Lo : 12	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") ② φ 15.88 (5/8") × 1.0 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

(c) Triple type

Adapted to RoHS directive

Model		FDEN140VNXTVD		
		Indoor unit FDEN50VD (3 units)	Outdoor unit FDC140VNX	
Item		-		
Power source		220-240V~50Hz / 220V~60Hz		
Operation data		Cooling	Heating	
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~18.0 (Max.)]	
Power consumption	kW	4.72	4.38	
Running current	A	20.9 / 21.9	19.4 / 20.3	
Power factor	%	98	98	
Inrush current	A	5 < Max.running current 26 >		
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	Cooling : 49 Heating : 52	
Exterior dimensions Height x Width x Depth	mm	210 x 1,070 x 690	1,300 x 970 x 370	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent	
Net weight	kg	28	105	
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE2 x 1	
Starting method		-	Direct line start	
Refrigerant oil	ℓ	-	0.9 (M-MA68)	
Heat exchanger		Louver fin & inner grooved tubing	M shage fin & inner grooved tubing	
Refrigerant control		-	Electronic expansion valve	
Air handling equipment Fan type & Q'ty		Centrifugal fan x 2	Propeller fan x 2	
Motor <Starting method>	W	25 < Direct line start >	86 x 2 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	100	
External static pressure	Pa	0	-	
Outdoor air intake		Not possible	-	
Air filter, Q'ty		Pocket plastic net x 2 (Washable)	-	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)	
Insulation (noise & heat)		Polyurethane form	-	
Electric heater	W	-	20 (Crank case heater)	
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)		
Room temperature control		Thermostat by electronics	-	
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.	
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")		
Connecting method		Flare piping	Flare piping	
Refrigerant line (one way) length		Max.100m		
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	*1. See page 100	
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit		
Drain pump		-	-	
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs	
Insulation for piping		Necessary (both Liquid & Gas lines)		
Standard Accessories		Mounting kit, Drain hose	Edging	
Notes (1) The data are measured at the following conditions.				
	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.				
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.				
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.				
(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.				
(6) Branching pipe set "DIS-TA1"x1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U				
(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.				

PFA003Z911

Adapted to RoHS directive

Item	Model	FDEN140VSXTVD	
		Indoor unit FDEN50VD (3 units)	Outdoor unit FDC140VSX
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]
Power consumption	kW	4.72	4.38
Running current	A	7.0 / 7.3	6.5 / 6.8
Power factor	%	97 / 98	97 / 98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	210 × 1,070 × 690	1,300 × 970 × 370
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	28	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	25 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	100
External static pressure	Pa	0	—
Outdoor air intake		Not possible	—
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PFA003Z911

(4) Duct connected-Low/Middle static pressure type (FDUM)**(a) Single type**

Adapted to RoHS directive

Item	Model	FDUM71VNXVD	
		Indoor unit FDUM71VD	Outdoor unit FDC71VNX
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	7.1 [3.2 (Min.)~8.0 (Max.)]	
Power consumption	kW	2.14	
Running current	A	9.5 / 10.0	
Power factor	%	98	
Inrush current	A	5 < Max.running current 17 >	
Sound Pressure Level	dB(A)	P-Hi : 38 Hi : 35 Me : 32 Lo : 29	Cooling : 51 Heating : 48
Exterior dimensions Height x Width x Depth	mm	299 x 950 x 635	750 x 880 (+88) x 340
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	40	60
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.675 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 2	Propeller fan x 1
Motor <Starting method>	W	100 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 23 Hi : 20 Me : 18 Lo : 15	Cooling : 60 Heating : 50
External static pressure	Pa	85/100 (at 20CMM)	
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : 1/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")	
		Gas line : 1/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.50m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	—

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Static pressure of optional air filter "UM-FL2E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Item	Model	FDUM100VNXVD	
		Indoor unit FDUM100VD	Outdoor unit FDC100VNX
Power source		—	220-240V ~ 50Hz / 220V ~ 60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.) ~ 11.2 (Max.)]	11.2 [4.0 (Min.) ~ 12.5 (Max.)]
Power consumption	kW	2.72	2.95
Running current	A	12.1 / 12.6	13.1 / 13.7
Power factor	%	98	98
Inrush current	A	5 < Max.running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 37 Me : 35 Lo : 32	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 x 1,370 x 635	1,300 x 970 x 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 3	Propeller fan x 2
Motor <Starting method>	W	50 + 100 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	90/100 (at 28CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size ϕ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to **RoHS** directive

Model		FDUM100VSXVD	
		Indoor unit FDUM100VD	Outdoor unit FDC100VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~16.0 (Max.)]
Power consumption	kW	2.72	2.95
Running current	A	4.0 / 4.2	4.3 / 4.6
Power factor	%	98	99 / 97
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 37 Me : 35 Lo : 32	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 x 1,370 x 635	
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 x 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 3	Propeller fan x 2
Motor <Starting method>	W	50 + 100 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	90/100 (at 28CMM)	
Outdoor air intake		Possible	
Air filter, Q'ty		Procure locally	
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Item	Model	FDUM125VNXVD	
		Indoor unit FDUM125VD	Outdoor unit FDC125VNX
Power source		—	220-240V ~ 50Hz / 220V ~ 60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.) ~ 14.0 (Max.)]	14.0 [4.0 (Min.) ~ 17.0 (Max.)]
Power consumption	kW	3.62	3.77
Running current	A	16.1 / 16.8	16.7 / 17.5
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 38 Me : 36 Lo : 33	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 x 1,370 x 635	1,300 x 970 x 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 3	Propeller fan x 2
Motor <Starting method>	W	50 + 100 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	85/100 (at 34CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8")	
		Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Model		FDUM125VSXVD	
		Indoor unit FDUM125VD	Outdoor unit FDC125VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.62	3.77
Running current	A	5.3 / 5.6	5.6 / 5.8
Power factor	%	99 / 98	97 / 99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 38 Me : 36 Lo : 33	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 x 1,370 x 635	
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 x 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 3	Propeller fan x 2
Motor <Starting method>	W	50 + 100 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	85/100 (at 34CMM)	-
Outdoor air intake		Possible	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size ϕ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Cooling	27°C	19°C	35°C	24°C	
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR000Z393

Adapted to **RoHS** directive

Item	Model	FDUM140VNXVD	
		Indoor unit FDUM140VD	Outdoor unit FDC140VNX
Power source		—	220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~16.0 (Max.)]	16.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	4.34	4.69
Running current	A	19.3 / 20.1	20.8 / 21.8
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 38 Me : 36 Lo : 33	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 3	Propeller fan × 2
Motor <Starting method>	W	50 + 100 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	85 / 100 (at 34CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Model		FDUM140VSXVD	
		Indoor unit FDUM140VD	Outdoor unit FDC140VSX
Item		-	
Power source			380-415V 3N~50Hz / 380V 3N~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0 (Min.)~ 16.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]
Power consumption	kW	4.34	4.69
Running current	A	6.4 / 6.7	6.9 / 7.3
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 41 Hi : 38 Me : 36 Lo : 33	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	59	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 3	Propeller fan × 2
Motor <Starting method>	W	50 + 100 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 34 Hi : 28 Me : 25 Lo : 22	100
External static pressure	Pa	85 / 100 (at 34CMM)	-
Outdoor air intake		Possible	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Static pressure of optional air filter "UM-FL3E" is 5Pa initially.

(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

(b) Twin type

Adapted to RoHS directive

Item	Model	FDUM100VNX PVD	
		Indoor unit FDUM50VD (2 units)	Outdoor unit FDC100VNX
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	
Power consumption	kW	2.94	
Running current	A	13.0 / 13.6	
Power factor	%	98	
Inrush current	A	5 < Max.running current 24 >	
Sound Pressure Level	dB(A)	P-Hi : 35 Hi : 34 Me : 31 Lo : 28	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	299 × 750 × 635	
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	34	
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	60 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 14 Hi : 13 Me : 12 Lo : 11	100
External static pressure	Pa	85/90 (at 14CMM)	
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) Static pressure of optional air filter "UM-FL1E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Item	Model	FDUM100VSPVD	
		Indoor unit FDUM50VD (2 units)	Outdoor unit FDC100VSX
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~16.0 (Max.)]
Power consumption	kW	2.94	2.94
Running current	A	4.3 / 4.6	4.3 / 4.6
Power factor	%	99 / 97	99 / 97
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 35 Hi : 34 Me : 31 Lo : 28	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	299 × 750 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	34	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	60 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 14 Hi : 13 Me : 12 Lo : 11	100
External static pressure	Pa	85/90 (at 14CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~ Branch, ② : Pipe of Branch~ I/U

(7) Static pressure of optional air filter "UM-FL1E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Model		FDUM125VNX PVD			
		Indoor unit FDUM60VD (2 units)	Outdoor unit FDC125VNX		
Item		-			
Power source		220-240V~50Hz / 220V~60Hz			
Operation data		Cooling	Heating		
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~17.0 (Max.)]		
Power consumption	kW	3.86	4.10		
Running current	A	17.1 / 17.9	18.2 / 19.0		
Power factor	%	98	98		
Inrush current	A	5 < Max.running current 26 >			
Sound Pressure Level	dB(A)	P-Hi : 38 Hi : 34 Me : 31 Lo : 28	Cooling : 48 Heating : 50		
Exterior dimensions Height x Width x Depth	mm	299 x 950 x 635	1,300 x 970 x 370		
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent		
Net weight	kg	40	105		
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE2 x 1		
Starting method		-	Direct line start		
Refrigerant oil	ℓ	-	0.9 (M-MA68)		
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing		
Refrigerant control		-	Electronic expansion valve		
Air handling equipment Fan type & Q'ty		Centrifugal fan x 2	Propeller fan x 2		
Motor <Starting method>	W	100 < Direct line start >	86 x 2 < Direct line start >		
Air flow (Standard)	CMM	P-Hi : 18 Hi : 16 Me : 15 Lo : 14	100		
External static pressure	Pa	85 / 100 (at 18CMM)	-		
Outdoor air intake		Possible	-		
Air filter, Q'ty		Procure locally	-		
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)		
Insulation (noise & heat)		Polyurethane form	-		
Electric heater	W	-	20 (Crank case heater)		
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)			
Room temperature control		Thermostat by electronics	-		
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")			
Connecting method		Flare piping	Flare piping		
Refrigerant line (one way) length		Max.100m			
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99		
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit			
Drain pump		Built-in Drain pump	-		
Drain		Hose Connectable with VP20	Holes size φ 20 x 3pcs		
Insulation for piping		Necessary (both Liquid & Gas lines)			
Standard Accessories		Drain hose	Edging		
Notes (1) The data are measured at the following conditions.					
	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
Operation	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	
Heating	20°C		7°C	6°C	
(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.					
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.					
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.					
(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.					
(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U					
(7) Static pressure of optional air filter "UM-FL2E" is 5Pa initially.					
(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.					

PJR002Z393

Adapted to RoHS directive

Item	Model	FDUM125VSPVD	
		Indoor unit FDUM60VD (2 units)	Outdoor unit FDC125VSX
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0 (Min.)~14.0 (Max.)]	14.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW	3.86	4.10
Running current	A	5.7 / 6.0	6.0 / 6.4
Power factor	%	98	99 / 97
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 38 Hi : 34 Me : 31 Lo : 28	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	299 × 950 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	40	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	100 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 18 Hi : 16 Me : 15 Lo : 14	100
External static pressure	Pa	85 / 100 (at 18CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~ Branch, ② : Pipe of Branch~ I/U

(7) Static pressure of optional air filter "UM-FL2E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Item	Model	FDUM140VNX PVD	
		Indoor unit FDUM71VD (2 units)	Outdoor unit FDC140VNX
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~ 16.0(Max.)]	16.0 [4.0(Min.)~ 18.0(Max.)]
Power consumption	kW	4.60	4.69
Running current	A	20.4 / 21.3	20.8 / 21.8
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	P-Hi : 38 Hi : 35 Me : 32 Lo : 29	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	299 × 950 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	40	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	100 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 23 Hi : 20 Me : 18 Lo : 15	100
External static pressure	Pa	85 / 100 (at 20CMM)	—
Outdoor air intake		Possible	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") ② φ 15.88 (5/8") × 1.0 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~ Branch, ② : Pipe of Branch~ I/U

(7) Static pressure of optional air filter "UM-FL2E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Model		FDUM140VSPVD	
		Indoor unit FDUM71VD (2 units)	Outdoor unit FDC140VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~16.0(Max.)]	16.0 [4.0(Min.)~20.0(Max.)]
Power consumption	kW	4.60	4.69
Running current	A	6.8 / 7.1	6.9 / 7.3
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 38 Hi : 35 Me : 32 Lo : 29	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	299 × 950 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	40	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	100 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 23 Hi : 20 Me : 18 Lo : 15	100
External static pressure	Pa	85 / 100 (at 20CMM)	-
Outdoor air intake		Possible	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") ② φ 15.88 (5/8") × 1.0 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~ Branch, ② : Pipe of Branch~ I/U

(7) Static pressure of optional air filter "UM-FL2E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

(c) Triple type

Adapted to RoHS directive

Item		Model	FDUM140VNX TVD	
			Indoor unit FDUM50VD (3 units)	Outdoor unit FDC140VNX
			—	
Power source				220-240V~50Hz / 220V~60Hz
Operation data			Cooling	Heating
Nominal capacity	kW		14.0 [5.0(Min.)~16.0(Max.)]	16.0 [4.0(Min.)~18.0(Max.)]
Power consumption	kW		4.60	4.69
Running current	A		20.4 / 21.3	20.8 / 21.8
Power factor	%		98	98
Inrush current	A		5 < Max.running current 26 >	
Sound Pressure Level	dB(A)		P-Hi : 35 Hi : 34 Me : 31 Lo : 28	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm		299 × 750 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)			—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg		34	105
Refrigerant equipment Compressor type & Q'ty			—	RMT5134MDE2 × 1
Starting method			—	Direct line start
Refrigerant oil	ℓ		—	0.9 (M-MA68)
Heat exchanger			Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control			—	Electronic expansion valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W		60 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM		P-Hi : 14 Hi : 13 Me : 12 Lo : 11	100
External static pressure	Pa		85 / 90 (at 14CMM)	—
Outdoor air intake			Possible	—
Air filter, Q'ty			Procure locally	—
Shock & vibration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)			Polyurethane form	—
Electric heater	W		—	20 (Crank case heater)
Remote controller			wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control			Thermostat by electronics	—
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm		Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method			Flare piping	Flare piping
Refrigerant line (one way) length			Max.100m	
Vertical height difference between outdoor unit and indoor unit			Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity			R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump			Built-in Drain pump	—
Drain			Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping			Necessary (both Liquid & Gas lines)	
Standard Accessories			Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) Static pressure of optional air filter "UM-FL1E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

Adapted to RoHS directive

Model		FDUM140VSXTVD	
		Indoor unit FDUM50VD (3 units)	Outdoor unit FDC140VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~16.0(Max.)]	16.0 [4.0(Min.)~20.0(Max.)]
Power consumption	kW	4.60	4.69
Running current	A	6.8 / 7.1	6.9 / 7.3
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 35 Hi : 34 Me : 31 Lo : 28	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	299 × 750 × 635	1,300 × 970 × 370
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	34	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	60 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 14 Hi : 13 Me : 12 Lo : 11	100
External static pressure	Pa	85 / 90 (at 14CMM)	-
Outdoor air intake		Possible	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

(7) Static pressure of optional air filter "UM-FL1E" is 5Pa initially.

(8) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

PJR002Z393

(5) Duct connected-High static pressure type (FDU)

(a) Single type

Adapted to RoHS directive

Item	Model	FDU71VNXVD	
		Indoor unit FDU71VD	Outdoor unit FDC71VNX
		—	
Power source		220-240V ~ 50Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	7.1 [3.2 (Min.) ~ 8.0 (Max.)]	8.0 [3.6 (Min.) ~ 9.0 (Max.)]
Power consumption	kW	2.15	2.15
Running current	A	9.6	9.5
Power factor	%	98	99
Inrush current	A	5 < Max.running current 17 >	
Sound Pressure Level	dB(A)	Hi : 41 Lo : 37	Cooling : 51, Heating : 48
Exterior dimensions Height x Width x Depth	mm	295 x 850 x 650	750 x 880 (+88) x 340
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	40	60
Refrigerant equipment Compressor type & Q'ty		—	RMT5118MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.675 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 2	Propeller fan x 1
Motor <Starting method>	W	230 < Direct line start >	86 < Direct line start >
Air flow (Standard)	CMM	Hi : 20 Lo : 17	Cooling : 60, Heating : 50
External static pressure	Pa	Standard : 60 Max : 130	—
Outdoor air intake		Possible (on return duct)	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ 9.52 (3/8") Pipe ϕ 9.52 (3/8") x 0.8 O/U ϕ 9.52 (3/8")	
		Gas line : I/U ϕ 15.88 (5/8") Pipe ϕ 15.88 (5/8") x 1.0 O/U ϕ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.50m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size ϕ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	—

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Item	Model	FDU100VNXVD	
		Indoor unit FDU100VD	Outdoor unit FDC100VNX
Power source		—	220-240V ~ 50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.) ~ 11.2 (Max.)]	11.2 [4.0 (Min.) ~ 12.5 (Max.)]
Power consumption	kW	2.78	2.90
Running current	A	12.3	12.9
Power factor	%	98	98
Inrush current	A	5 < Max.running current 25 >	
Sound Pressure Level	dB(A)	Hi : 42 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	Straight fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	280 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 34 Lo : 27	100
External static pressure	Pa	Standard : 60 Max : 130	—
Outdoor air intake		Possible (on return duct)	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Item	Model	FDU100VSXVD	
		Indoor unit FDU100VD	Outdoor unit FDC100VSX
Power source		—	380-415V 3N~50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0 (Min.)~11.2 (Max.)]	11.2 [4.0 (Min.)~16.0 (Max.)]
Power consumption	kW	2.78	2.90
Running current	A	4.1	4.3
Power factor	%	98	97
Inrush current	A	5 < Max.running current 16 >	
Sound Pressure Level	dB(A)	Hi : 42 Lo : 37	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE3 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan x 2	Propeller fan x 2
Motor <Starting method>	W	280 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 34 Lo : 27	100
External static pressure	Pa	Standard : 60 Max : 130	—
Outdoor air intake		Possible (on return duct)	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")	
Connecting method		Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Refrigerant line (one way) length		Flare piping	
Vertical height difference between outdoor unit and indoor unit		Max.100m	
Refrigerant Quantity		Max.30m (Outdoor unit is higher) ※1. See page 99 Max.15m (Outdoor unit is lower)	
Drain pump		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain		Built-in Drain pump	—
Insulation for piping		Hose Connectable with VP20	
Standard Accessories		Holes size φ 20 x 3pcs	
		Necessary (both Liquid & Gas lines)	
		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Operation	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Item	Model	FDU125VNXVD	
		Indoor unit FDU125VD	Outdoor unit FDC125VNX
Power source		—	220-240V ~50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0(Min.)~14.0(Max.)]	14.0 [4.0(Min.)~17.0(Max.)]
Power consumption	kW	3.44	3.67
Running current	A	15.3	16.3
Power factor	%	98	98
Inrush current	A	5 < Max.running current 29 >	
Sound Pressure Level	dB(A)	Hi : 43 Lo : 38	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	370 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 42 Lo : 33.5	100
External static pressure	Pa	Standard : 60 Max : 130	—
Outdoor air intake		Possible (on return duct)	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Model		FDU125VSXVD	
		Indoor unit FDU125VD	Outdoor unit FDC125VSX
Item		-	
Power source			380-415V 3N~50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0(Min.)~14.0(Max.)]	14.0 [4.0(Min.)~18.0(Max.)]
Power consumption	kW	3.44	3.67
Running current	A	5.1	5.4
Power factor	%	97	98
Inrush current	A	5 < Max.running current 18 >	
Sound Pressure Level	dB(A)	Hi : 43 Lo : 38	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	370 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 42 Lo : 33.5	100
External static pressure	Pa	Standard : 60 Max : 130	-
Outdoor air intake		Possible (on return duct)	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")	
Connecting method		Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Refrigerant line (one way) length		Flare piping	
Vertical height difference between outdoor unit and indoor unit		Max.100m	
Refrigerant Quantity		Max.30m (Outdoor unit is higher) ※1. See page 99 Max.15m (Outdoor unit is lower)	
Drain pump		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain		Built-in Drain pump	-
Insulation for piping		Hose Connectable with VP20	
Standard Accessories		Holes size φ 20 × 3pcs	
		Necessary (both Liquid & Gas lines)	
		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Item	Model	FDU140VNXVD	
		Indoor unit FDU140VD	Outdoor unit FDC140VNX
Power source		—	220-240V ~ 50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.) ~ 16.0(Max.)]	16.0 [4.0(Min.) ~ 18.0(Max.)]
Power consumption	kW	4.20	4.30
Running current	A	18.6	19.1
Power factor	%	98	98
Inrush current	A	5 < Max.running current 30 >	
Sound Pressure Level	dB(A)	Hi : 43 Lo : 38	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		—	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	370 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 42 Lo : 33.5	100
External static pressure	Pa	Standard : 60 Max : 130	—
Outdoor air intake		Possible (on return duct)	—
Air filter, Q'ty		Procure locally	—
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	—
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressure (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

Adapted to RoHS directive

Model		FDU140VSXVD	
		Indoor unit FDU140VD	Outdoor unit FDC140VSX
Item		-	
Power source			380-415V 3N~50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~ 16.0(Max.)]	16.0 [4.0(Min.)~20.0(Max.)]
Power consumption	kW	4.20	4.30
Running current	A	6.2	6.3
Power factor	%	98	99
Inrush current	A	5 < Max.running current 19 >	
Sound Pressure Level	dB(A)	Hi : 43 Lo : 38	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	350 × 1,370 × 650	1,300 × 970 × 370
Exterior appearance (Munsell color)		-	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	63	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	Propeller fan × 2
Motor <Starting method>	W	370 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 42 Lo : 33.5	100
External static pressure	Pa	Standard : 60 Max : 130	-
Outdoor air intake		Possible (on return duct)	-
Air filter, Q'ty		Procure locally	-
Shock & vibration absorber		Rubber sleeve (for fan motor)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		wired : RC-E4 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 9.52 (3/8") Pipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 15.88 (5/8") Pipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg in outdoor unit (incl. the amount for the piping of : 30m)	
Drain pump		Built-in Drain pump	-
Drain		Hose Connectable with VP20	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit [Pa]
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	60
Heating	20°C		7°C	6°C	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz

(5) External static pressure can be changed from standard external static pressure (factory setting) to maximum external static pressuer (high static pressure setting) by remote controller.

(6) Value of sound pressure level become increased 5dB(A), when external static pressure is 130Pa.

PJD001Z311

(6) Wall mounted type (SRK)

(a) Twin type

Adapted to RoHS directive

Item	Model	SRK100VNX PZIX	
		Indoor unit SRK50ZIX-S (2 units)	Outdoor unit FDC100VNX
Power source		220-240V ~ 50Hz / 220V ~ 60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0(Min.) ~ 11.2(Max.)]	11.2 [4.0(Min.) ~ 12.5(Max.)]
Power consumption	kW	2.66	2.60
Running current	A	11.8 / 12.3	11.5 / 12.1
Power factor	%	98	98
Inrush current	A	5 < Max.running current 24 >	
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 Lo : 26(C) / Hi : 45 Me : 38 Lo : 32(H)	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	309 x 890 x 220	1,300 x 970 x 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan x 1	Propeller fan x 2
Motor <Starting method>	W	27 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)	100
External static pressure	Pa	0	—
Outside air intake		Not possible	—
Air filter, Q'ty		Polypropylene net (washable) x 2	—
Shock & vibration absorber		—	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") x 0.8 ① φ 9.52 (3/8") x 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") x 0.8 ① φ 15.88 (5/8") x 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP16	Holes size φ 20 x 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1" x 1(option). ① : Pipe of O/U ~ Branch, ② : Pipe of Branch ~ I/U

PCA001Z611

Adapted to RoHS directive

Model		SRK100VSPZIX	
		Indoor unit SRK50ZIX-S (2 units)	Outdoor unit FDC100VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	10.0 [4.0(Min.)~11.2(Max.)]	11.2 [4.0(Min.)~16.0(Max.)]
Power consumption	kW	2.66	2.60
Running current	A	3.9 / 4.1	3.8 / 4.0
Power factor	%	98 / 99	99
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 Lo : 26(C) / Hi : 45 Me : 38 Lo : 32(H)	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	309 × 890 × 220	1,300 × 970 × 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan x 1	Propeller fan x 2
Motor <Starting method>	W	27 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)	100
External static pressure	Pa	0	-
Outside air intake		Not possible	-
Air filter, Q'ty		Polypropylene net (washable) x 2	-
Shock & vibration absorber		-	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		-	-
Drain		Hose Connectable with VP16	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

PCA001Z611

Adapted to RoHS directive

Model		SRK125VNXZIX	
		Indoor unit SRK60ZIX-S (2 units)	Outdoor unit FDC125VNX
Item		-	
Power source		220-240V~50Hz / 220V~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0(Min.)~14.0(Max.)]	14.0 [4.0(Min.)~17.0(Max.)]
Power consumption	kW	3.60	3.48
Running current	A	16.0 / 16.7	15.4 / 16.1
Power factor	%	98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	Hi : 47 Me : 38 Lo : 26(C) / Hi : 45 Me : 39 Lo : 33(H)	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	309 × 890 × 220	1,300 × 970 × 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE2 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan x 1	Propeller fan x 2
Motor <Starting method>	W	27 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 14.5 Me : 12.5 Lo : 8.5(C) / Hi : 17 Me : 15 Lo : 11(H)	100
External static pressure	Pa	0	-
Outside air intake		Not possible	-
Air filter, Q'ty		Polypropylene net (washable) x 2	-
Shock & vibration absorber		-	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		-	-
Drain		Hose Connectable with VP16	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

PCA001Z611

Adapted to RoHS directive

Model		SRK125VSPZIX	
		Indoor unit SRK60ZIX-S (2 units)	Outdoor unit FDC125VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	12.5 [5.0(Min.)~ 14.0(Max.)]	14.0 [4.0(Min.)~ 18.0(Max.)]
Power consumption	kW	3.60	3.48
Running current	A	5.3 / 5.6	5.1 / 5.4
Power factor	%	98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Hi : 47 Me : 38 Lo : 26(C) / Hi : 45 Me : 39 Lo : 33(H)	Cooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm	309 × 890 × 220	1,300 × 970 × 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan x 1	Propeller fan x 2
Motor <Starting method>	W	27 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 14.5 Me : 12.5 Lo : 8.5(C) / Hi : 17 Me : 15 Lo : 11(H)	100
External static pressure	Pa	0	-
Outside air intake		Not possible	-
Air filter, Q'ty		Polypropylene net (washable) x 2	-
Shock & vibration absorber		-	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 99
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		-	-
Drain		Hose Connectable with VP16	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
	DB	WB	DB	WB
Operation	27°C	19°C	35°C	24°C
Cooling	27°C	19°C	35°C	24°C
Heating	20°C		7°C	6°C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is two indoor units are combined and run together.

(6) Branching pipe set "DIS-WA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

PCA001Z611

(b) Triple type

Adapted to RoHS directive

Item	Model	SRK140VNXTZIX	
		Indoor unit SRK50ZIX-S (3 units)	Outdoor unit FDC140VNX
Power source		—	220-240V~50Hz / 220V~60Hz
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~16.0(Max.)]	16.0 [4.0(Min.)~18.0(Max.)]
Power consumption	kW	3.98	3.68
Running current	A	17.7 / 18.5	16.3 / 17.1
Power factor	%	98 / 98	98
Inrush current	A	5 < Max.running current 26 >	
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 Lo : 26(C) / Hi : 45 Me : 38 Lo : 32(H)	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	309 × 890 × 220	1,300 × 970 × 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		—	RMT5134MDE2 × 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan × 1	Propeller fan × 2
Motor <Starting method>	W	27 < Direct line start >	86 × 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)	100
External static pressure	Pa	0	—
Outside air intake		Not possible	—
Air filter, Q'ty		Polypropylene net (washable) × 2	—
Shock & vibration absorber		—	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	—
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		—	—
Drain		Hose Connectable with VP16	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.
(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

PCA001Z611

Adapted to RoHS directive

Model		SRK140VSXTZIX	
		Indoor unit SRK50ZIX-S (3 units)	Outdoor unit FDC140VSX
Item		-	
Power source		380-415V 3N~50Hz / 380V 3N~60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	14.0 [5.0(Min.)~ 16.0(Max.)]	16.0 [4.0(Min.)~ 20.0(Max.)]
Power consumption	kW	3.98	3.68
Running current	A	5.9 / 6.2	5.4 / 5.7
Power factor	%	97 / 98	98
Inrush current	A	5 < Max.running current 15 >	
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 Lo : 26(C) / Hi : 45 Me : 38 Lo : 32(H)	Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm	309 × 890 × 220	1,300 × 970 × 370
Exterior appearance (Munsell color)		Fine snow (8.0Y9.3/0.1) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	15	105
Refrigerant equipment Compressor type & Q'ty		-	RMT5134MDE3 × 1
Starting method		-	Direct line start
Refrigerant oil	ℓ	-	0.9 (M-MA68)
Heat exchanger		Louver fins & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		-	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Tangential fan x 1	Propeller fan x 2
Motor <Starting method>	W	27 < Direct line start >	86 x 2 < Direct line start >
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)	100
External static pressure	Pa	0	-
Outside air intake		Not possible	-
Air filter, Q'ty		Polypropylene net (washable) x 2	-
Shock & vibration absorber		-	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	-
Electric heater	W	-	20 (Crank case heater)
Remote controller		RC-E4 (option) & SC-BIKN-E (Interface kit, option)	
Room temperature control		Thermostat by electronics	-
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U φ 6.35 (1/4") ② φ 9.52 (3/8") × 0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") Gas line : I/U φ 12.7 (1/2") ② φ 12.7 (1/2") × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max.100m	
Vertical height difference between outdoor unit and indoor unit		Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)	※1. See page 100
Refrigerant Quantity		R410A 4.5kg (Pre-charged up to the piping length of 30m) Outdoor unit	
Drain pump		-	-
Drain		Hose Connectable with VP16	Holes size φ 20 × 3pcs
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	Edging

Notes (1) The data are measured at the following conditions.

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

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.

(4) The operation data indicates when the air-conditioner is operated at 400V50Hz or 380V60Hz.

(5) Indoor unit specifications for one unit. Capacity and operation data is three indoor units are combined and run together.

(6) Branching pipe set "DIS-TA1"×1(option). ① : Pipe of O/U~Branch, ② : Pipe of Branch~I/U

PCA001Z611

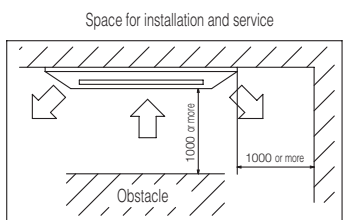
2. EXTERIOR DIMENSIONS

(1) Indoor units

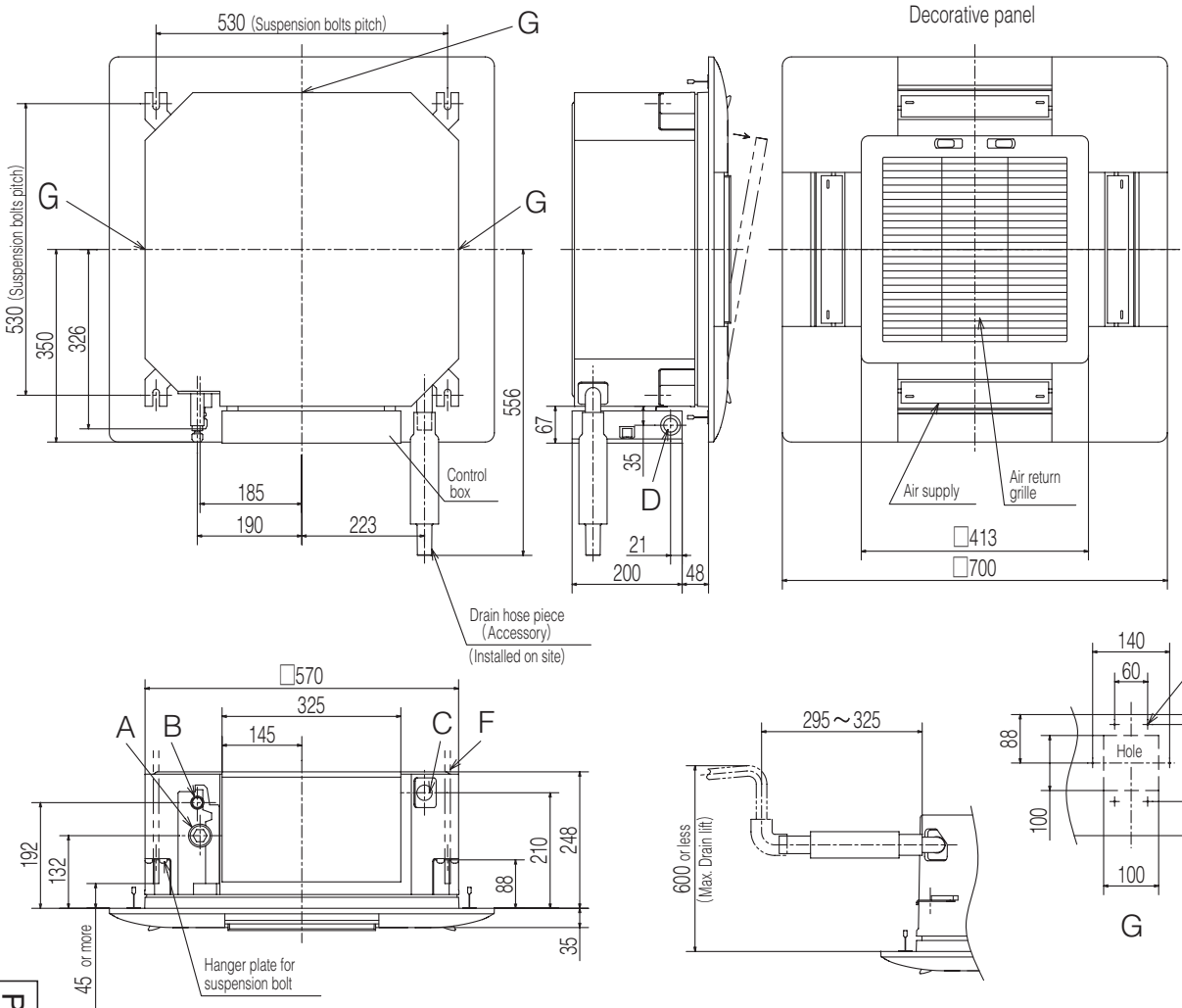
(a) Ceiling cassette-4 way compact type (FDTC)

Models FDTC40VD, 50VD, 60VD

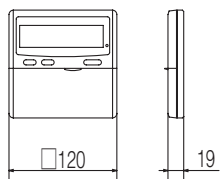
Symbol	Content	Content	
		Model	
A	Gas piping	25,35	φ9.52(3/8") (Flare)
		40-60	φ12.7(1/2") (Flare)
B	Liquid piping	φ6.35(1/4") (Flare)	
C	Drain piping	VP20 (I.D.20,O.D.26) Note (2)	
D	Hole for wiring	φ25	
F	Suspension bolts	(M10 or M8)	
G	Ducting for air outlet	(Knock out)	



Make a space of 4000 or more between the units when installing more than one.



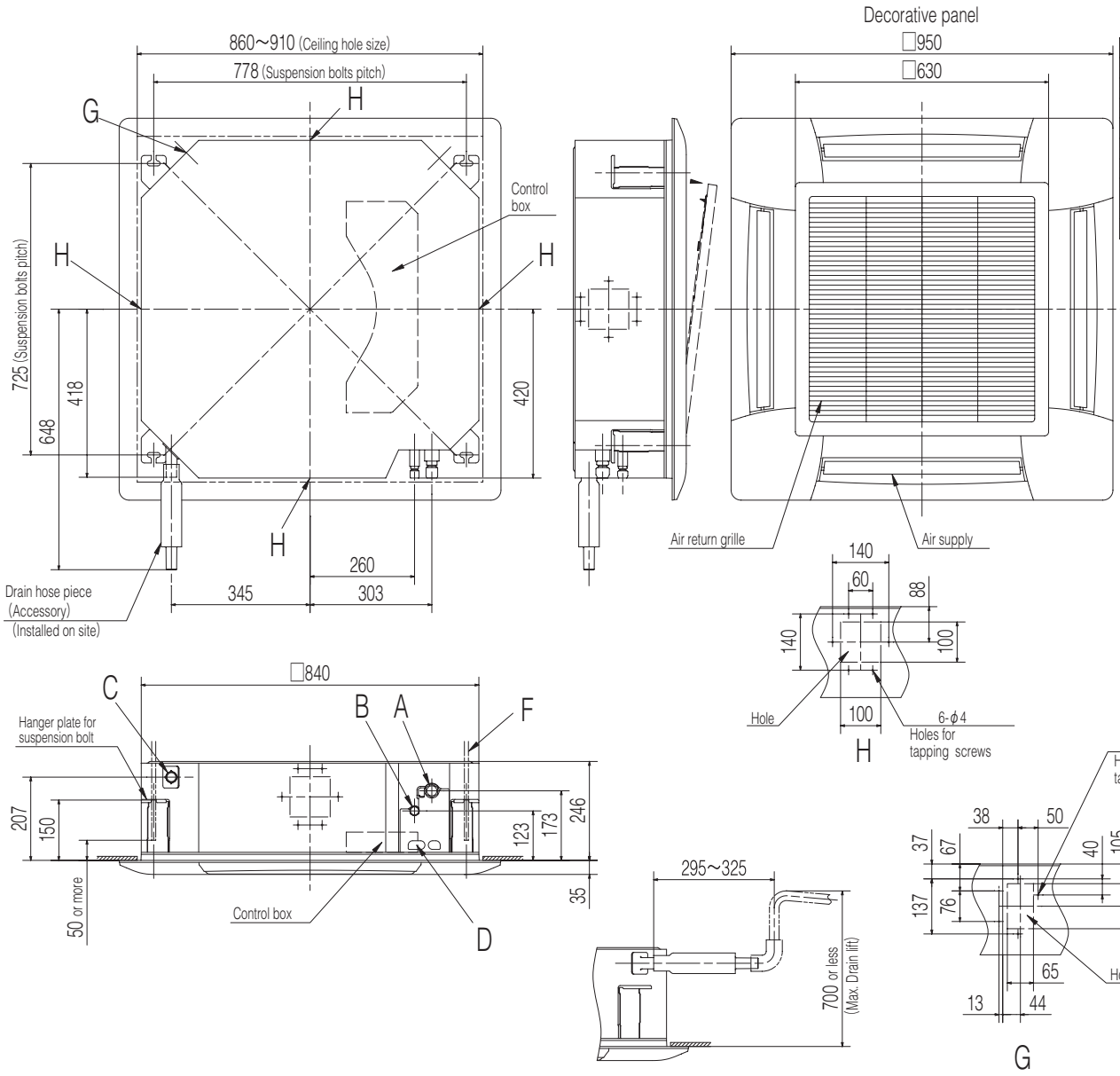
Remote controller (Option)



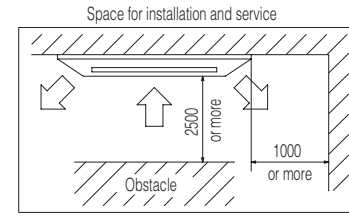
Unit:mm

- Notes (1) The model name label is attached on the control box lid.
 (2) Prepare the connecting socket (VP20) on site.
 (3) This unit is designed for 2x2 grid ceiling.
 If it is installed on a ceiling other than 2x2 grid ceiling, provide an inspection port on the control box side.

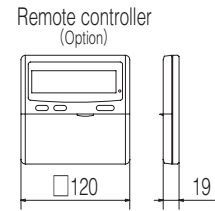
PJA003Z338 



Symbol	Content		
	Model	FDT40V,50V,60V	FDT71V
A	Gas piping	φ12.7 (1/2") (Flare)	φ15.88 (5/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	φ9.52 (3/8") (Flare)
C	Drain piping	VP20 (I.D.20, O.D.26) Note (2)	
D	Hole for wiring		
F	Suspension bolts	(M10 or M8)	
G	Ducting for outdoor air intake	(Knock out)	
H	Ducting for air outlet	(Knock out)	



Make a space of 4000 or more between the units when installing more than one.



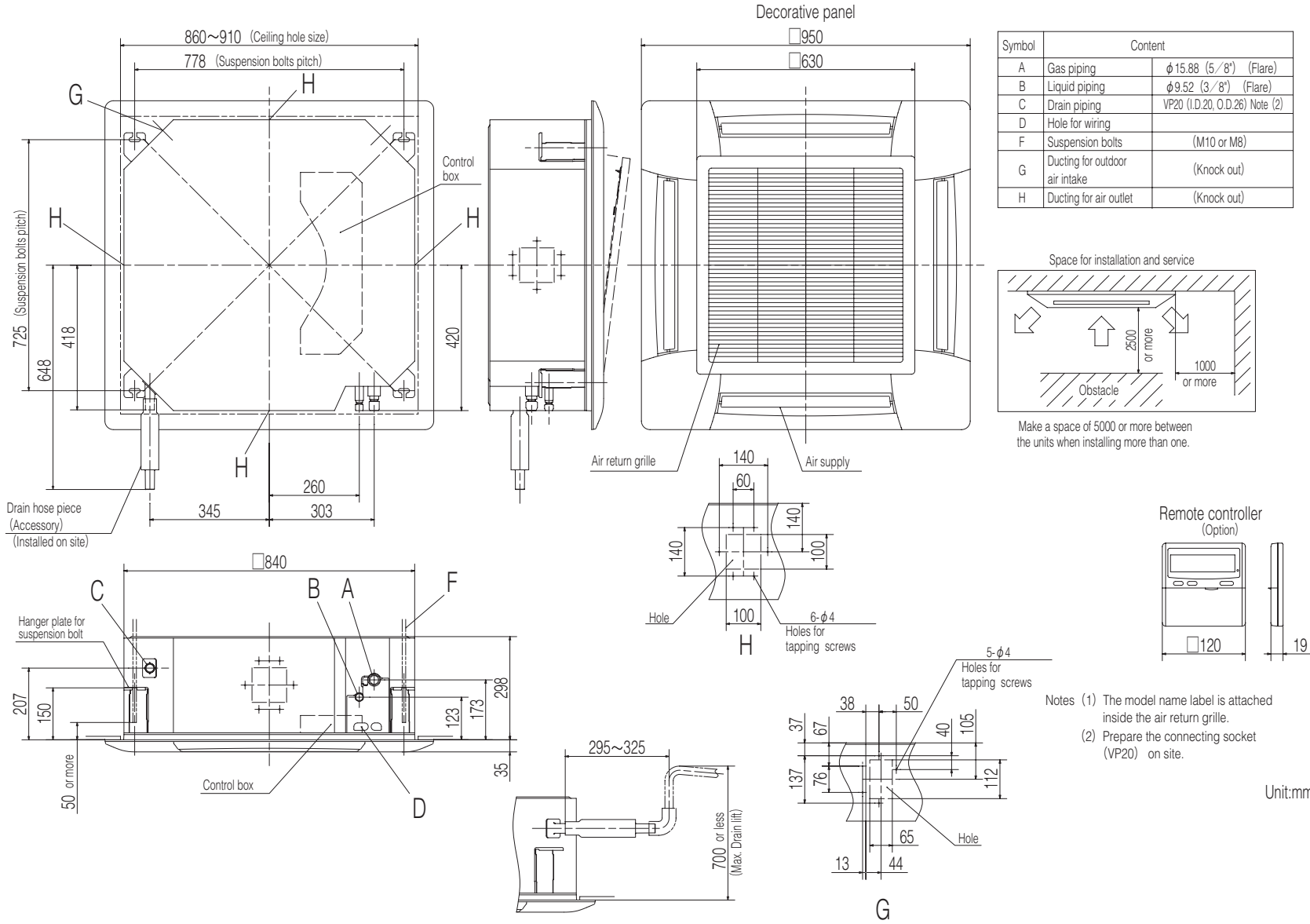
- Notes (1) The model name label is attached inside the air return grille.
 (2) Prepare the connecting socket (VP20) on site.

Unit:mm

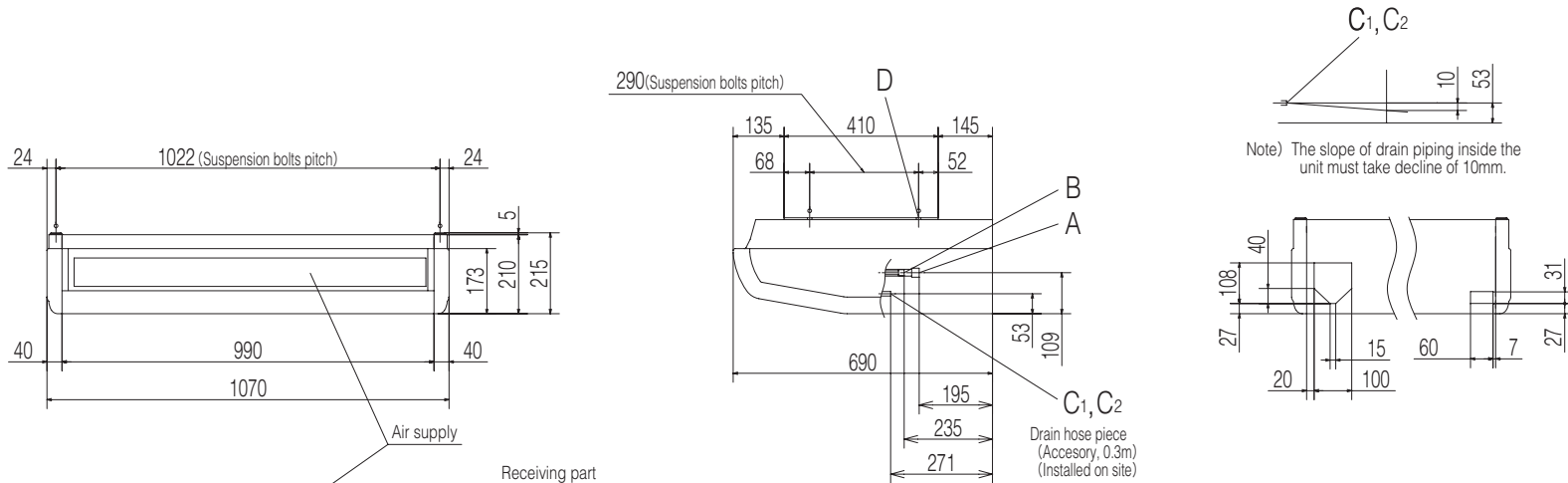
PJF000Z045

(b) Ceiling cassette-4 way type (FDT)
 Models FDT40VD, 50VD, 60VD, 71VD

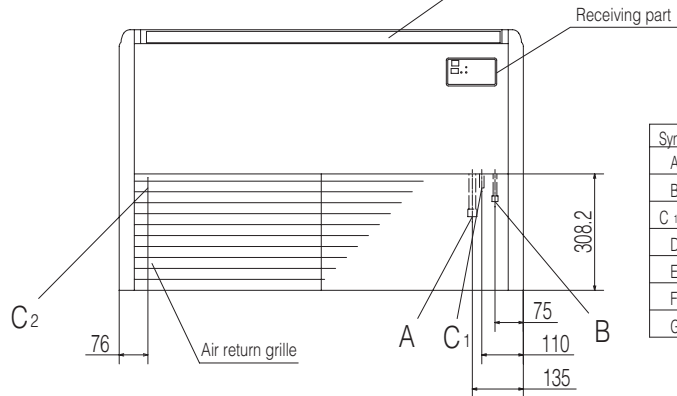
PJF000Z046 



Models FDT100VD, 125VD, 140VD

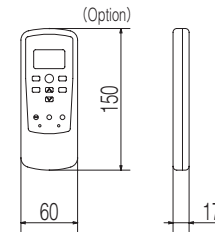


(c) Ceiling suspended type (FDEN)
Models FDEN40VD, 50VD

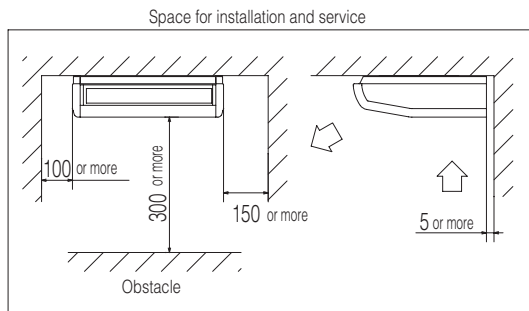
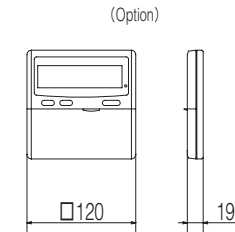


Symbol	Content	
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C 1,2	Drain piping	VP20 (I.D.20, O.D.26)
D	Hole for suspension bolts	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Drain piping (for left back)	(Knock out)

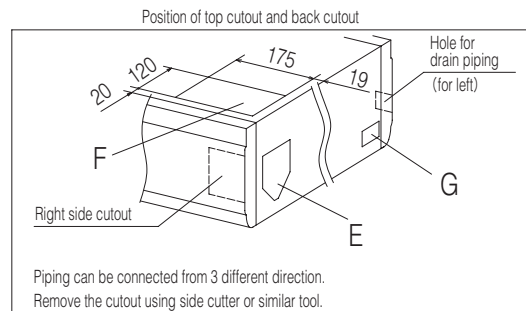
Wireless remote controller



Wired remote controller



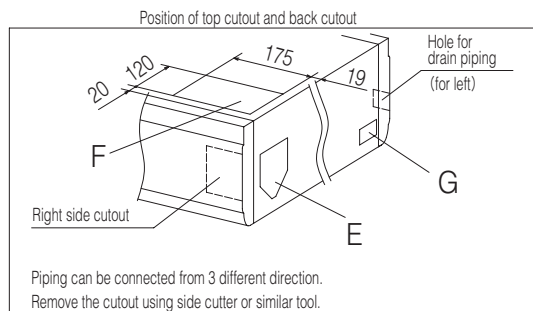
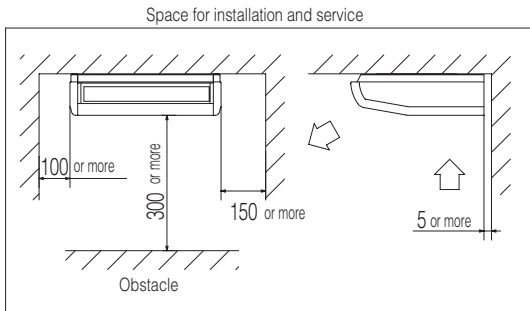
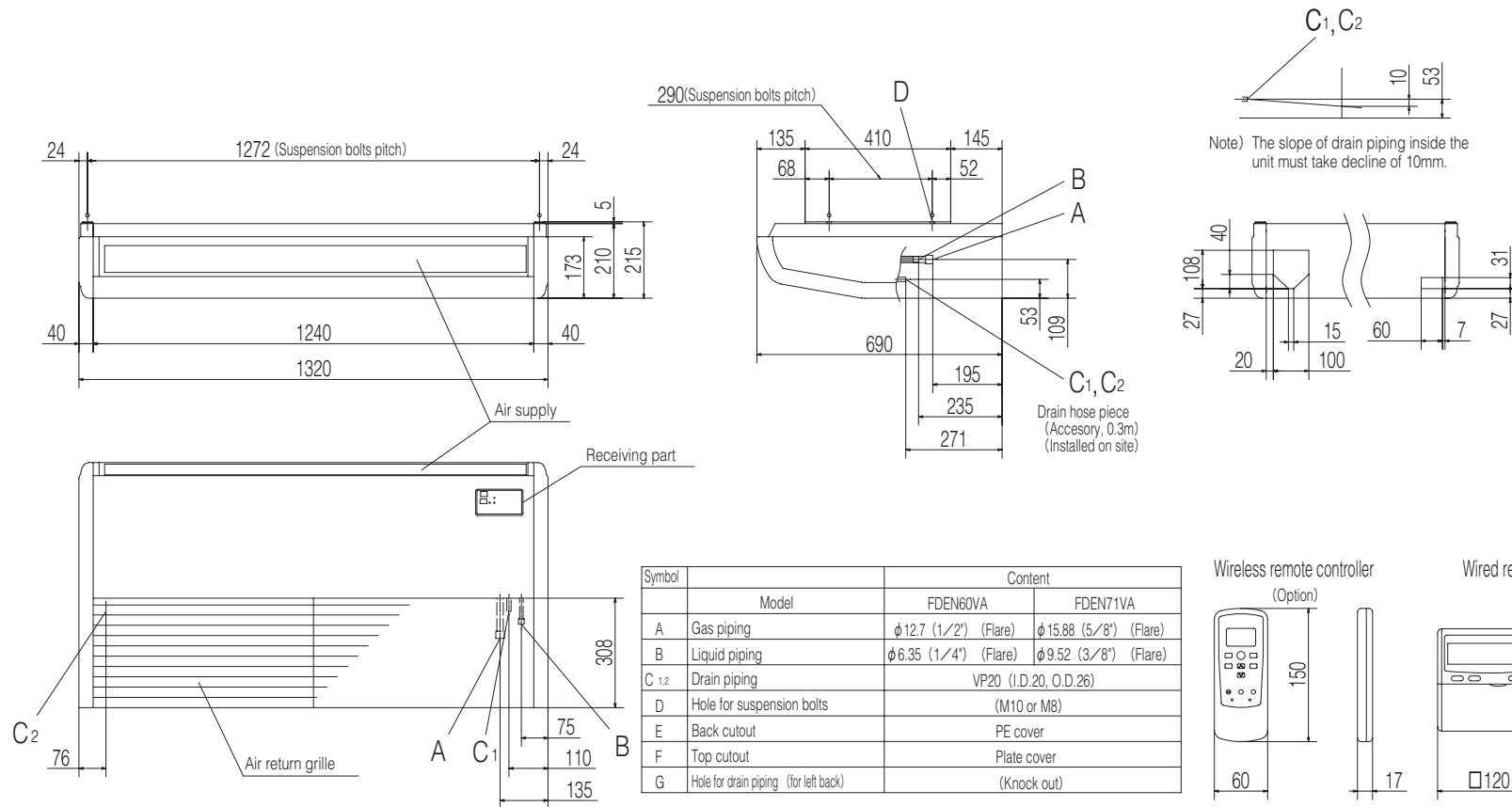
Make a space of 4000 or more between the units when installing more than one.



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

Unit:mm

PFA003Z816



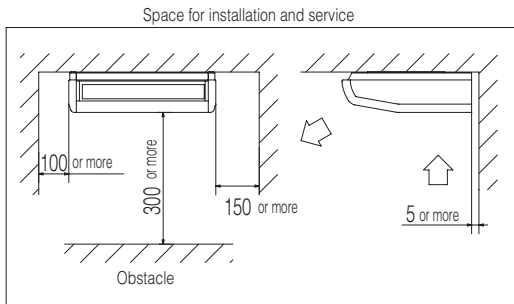
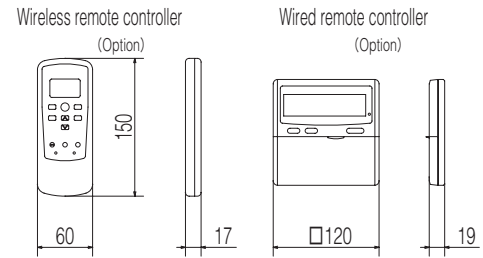
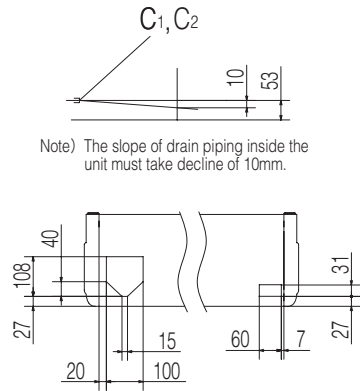
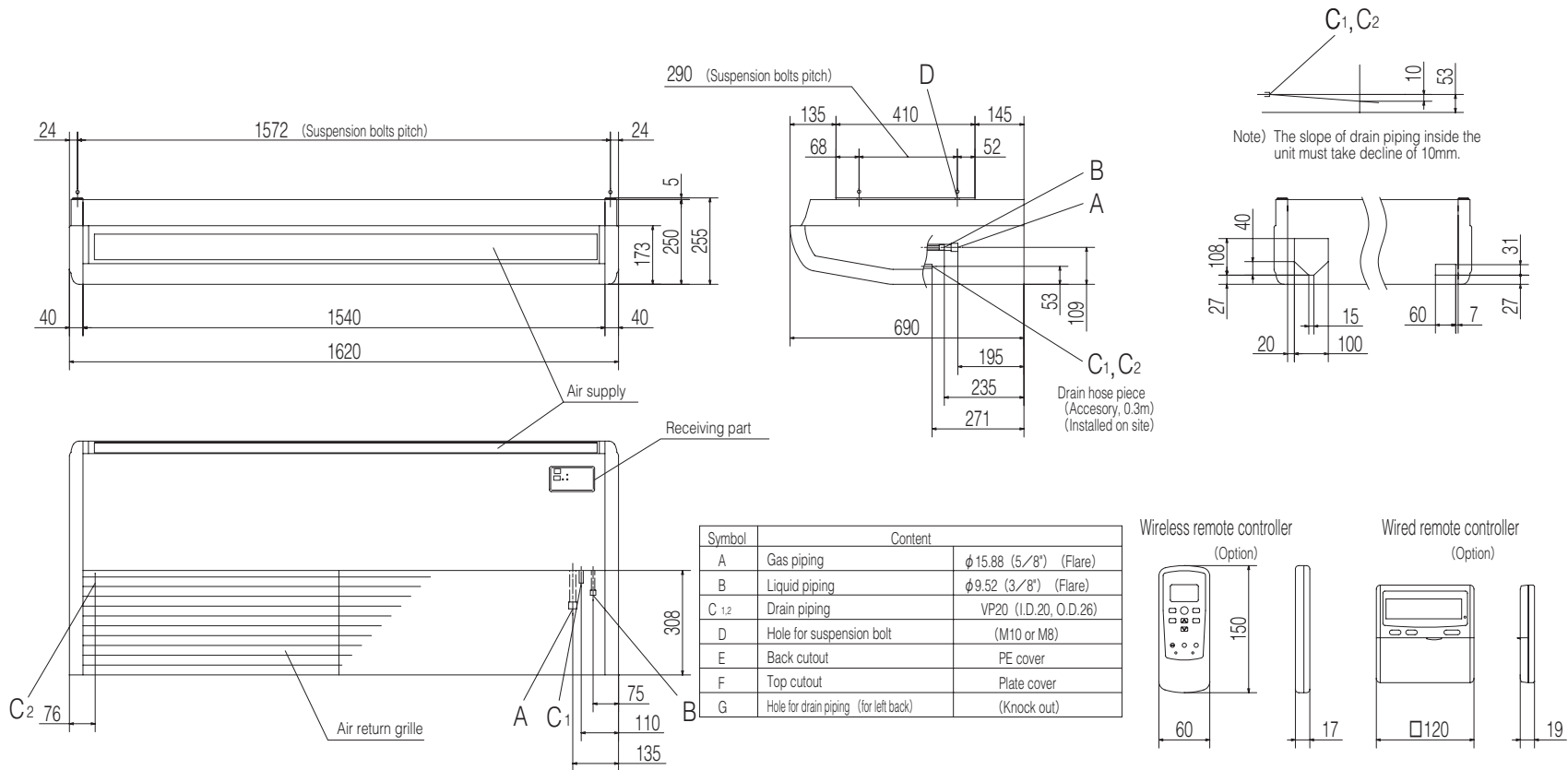
Note (1) The model name label is attached on the fan casing inside the air return grille.

Unit:mm

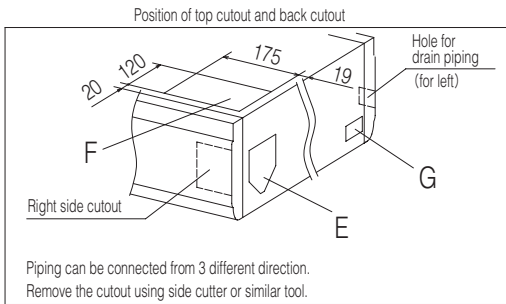
PFA003Z817

Make a space of 4500 or more between the units when installing more than one.

Models FDEN60VD, 71VD



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

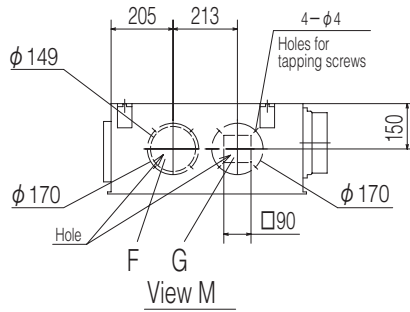
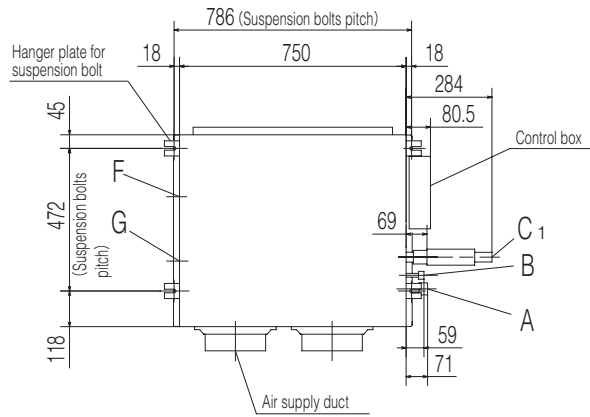
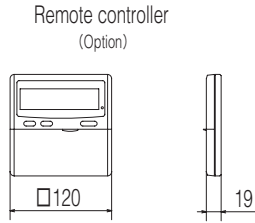
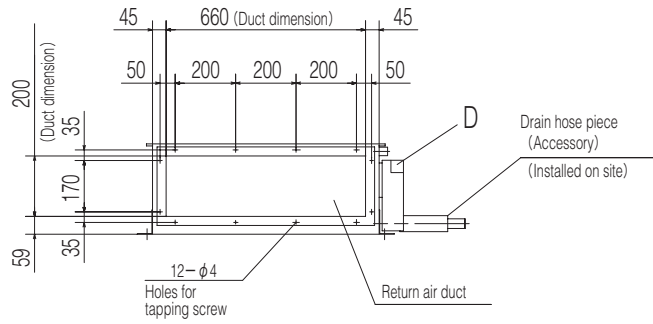


Note (1) The model name label is attached on the fan casing inside the air return grille.

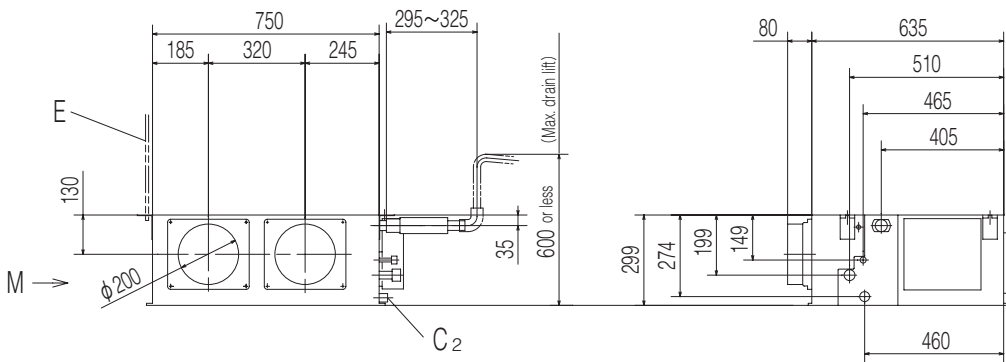
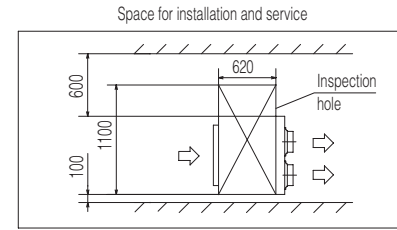
Unit:mm

PFA003Z818

Models FDEN100VD, 125VD, 140VD



Symbol	Content	
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C1	Drain piping	VP20 (I.D.20, O.D.26) Note (2)
C2	Drain piping (Gravity drainage)	VP20 (I.D.20, O.D.26)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Ducting for outdoor air intake	(φ150) (Knock out)
G	Ducting for air outlet	(φ125) (Knock out)



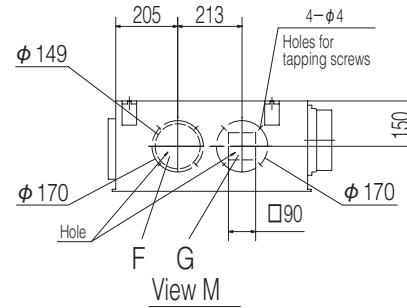
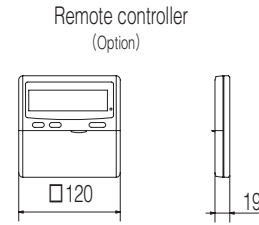
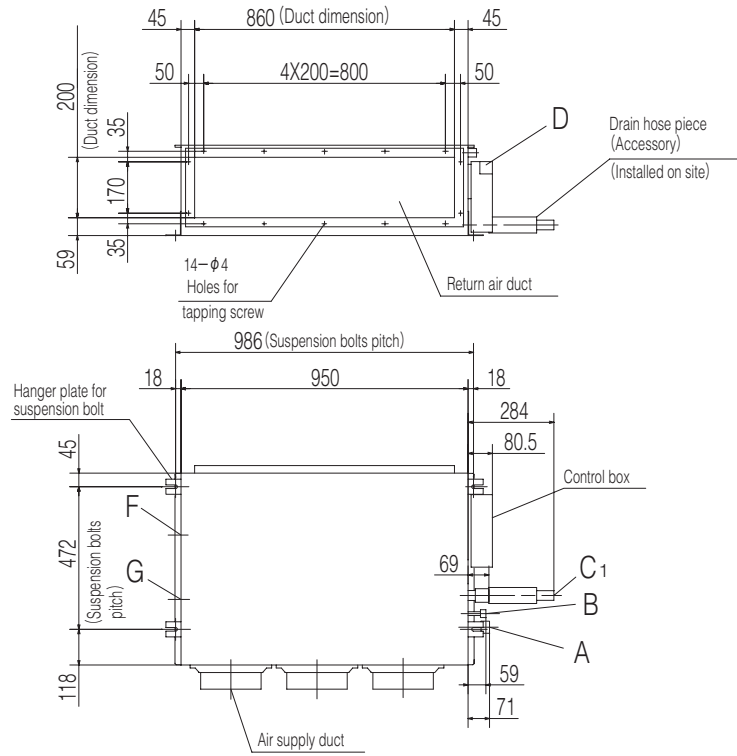
- Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20) on site.

Unit:mm

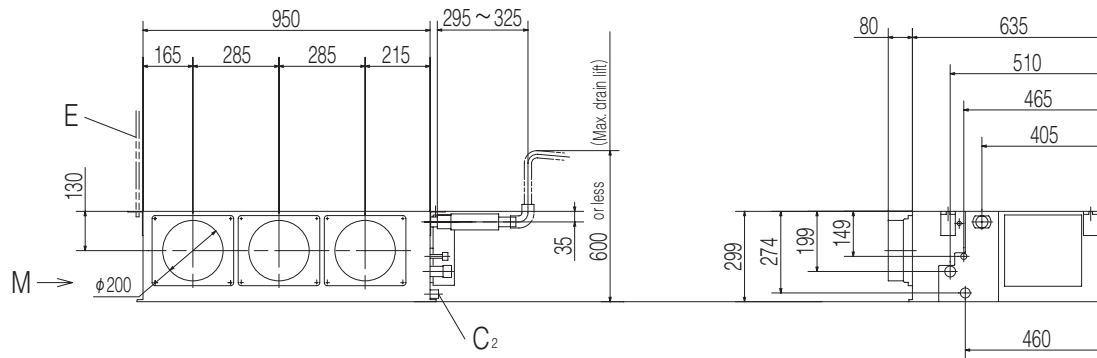
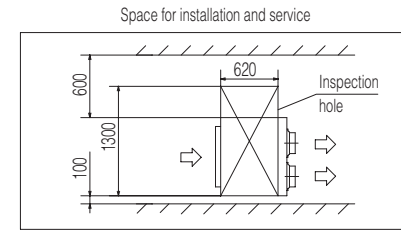
(d) Duct connected-Low/Middle static pressure type (FDUM)
Model FDUM50VD

PJR0022241

PJR0022242



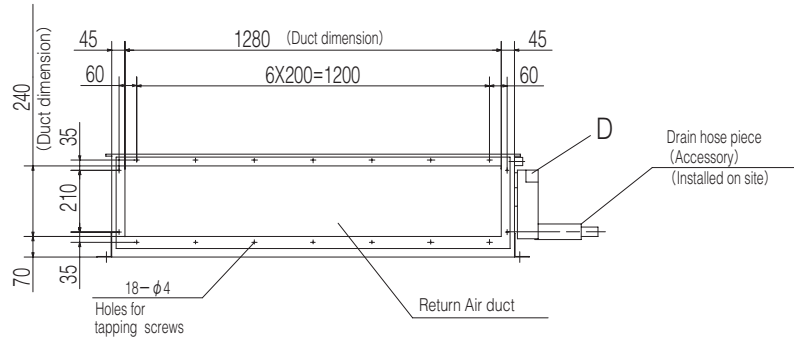
Symbol	Content		
	Model	60	71
A	Gas piping	φ12.7(1/2") (Flare)	φ15.88(5/8") (Flare)
B	Liquid piping	φ6.35(1/4") (Flare)	φ9.52(3/8") (Flare)
C1	Drain piping	VP20 (I.D.20, O.D.26) Note (2)	
C2	Drain piping (Gravity drainage)	VP20 (I.D.20, O.D.26)	
D	Hole for wiring		
E	Suspension bolts	(M10)	
F	Ducting for outdoor air intake	(φ150) (Knock out)	
G	Ducting for air outlet	(φ125) (Knock out)	



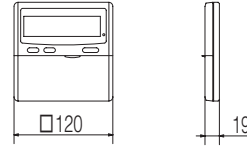
Notes (1) The model name label is attached on the lid of the control box.
 (2) Prepare the connecting socket (VP20) on site.

Unit:mm

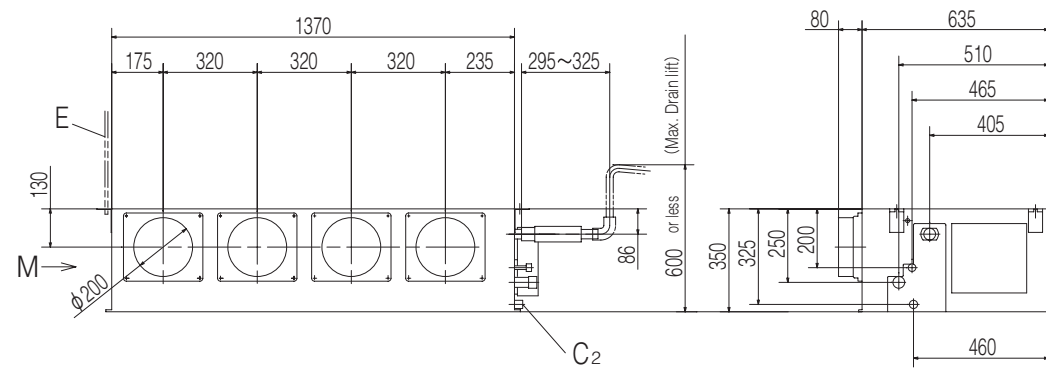
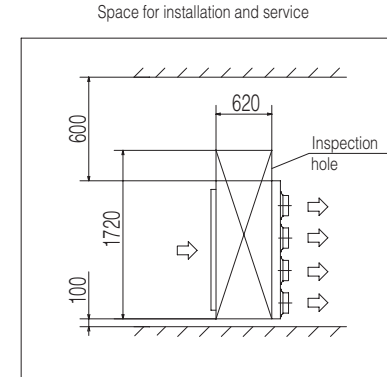
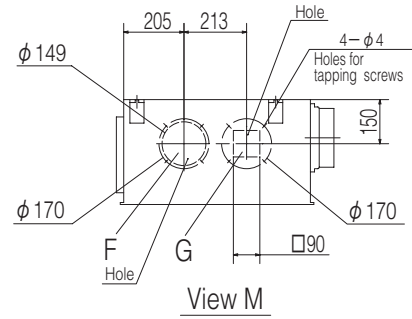
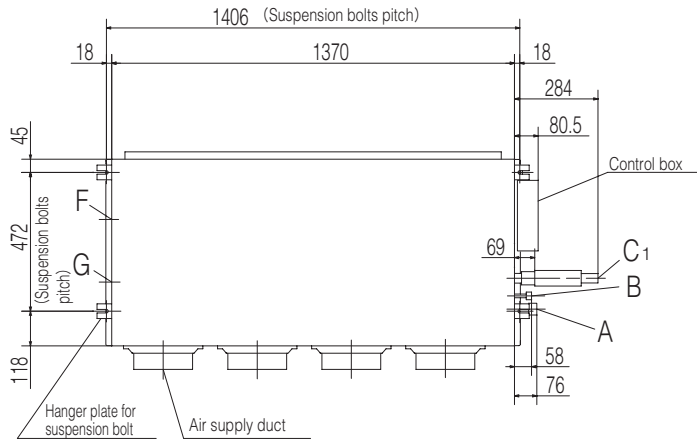
Models FDUM60VD, 71VD



Remote controller
(Option)



Symbol	Content	
A	Gas piping	$\phi 15.88$ (5/8") (Flare)
B	Liquid piping	$\phi 9.52$ (3/8") (Flare)
C1	Drain piping	VP20 (I.D.20, O.D.26) Note (2)
C2	Drain piping (Gravity drainage)	VP20 (I.D.20, O.D.26)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Ducting for outdoor air intake	($\phi 150$) (Knock out)
G	Ducting for air outlet	($\phi 125$) (Knock out)

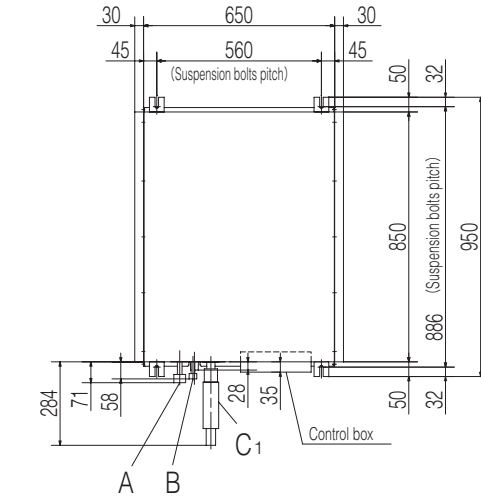
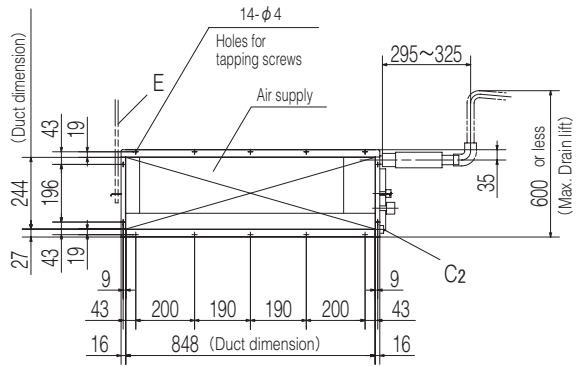
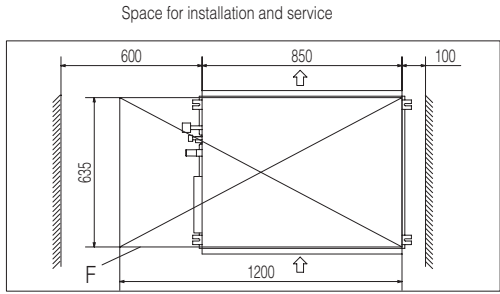


- Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20) on site.

Unit:mm

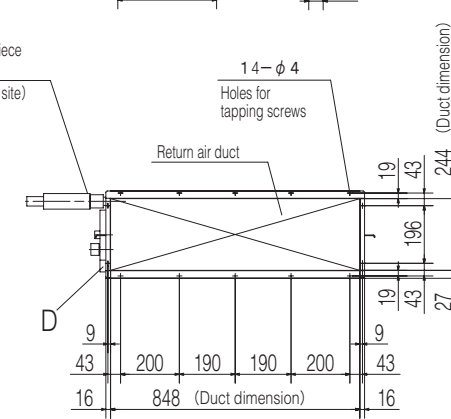
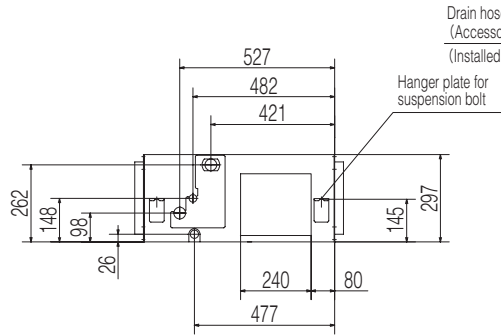
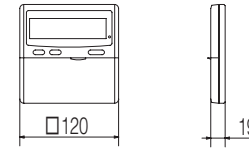
PJR002Z243

Models FDUM100VD, 125VD, 140VD



Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C 1	Drain piping	VP20 (I.D.20, O.D.26) Note (2)
C 2	Drain piping (Gravity drainage)	VP20 (I.D.20, O.D.26)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(635X1200)

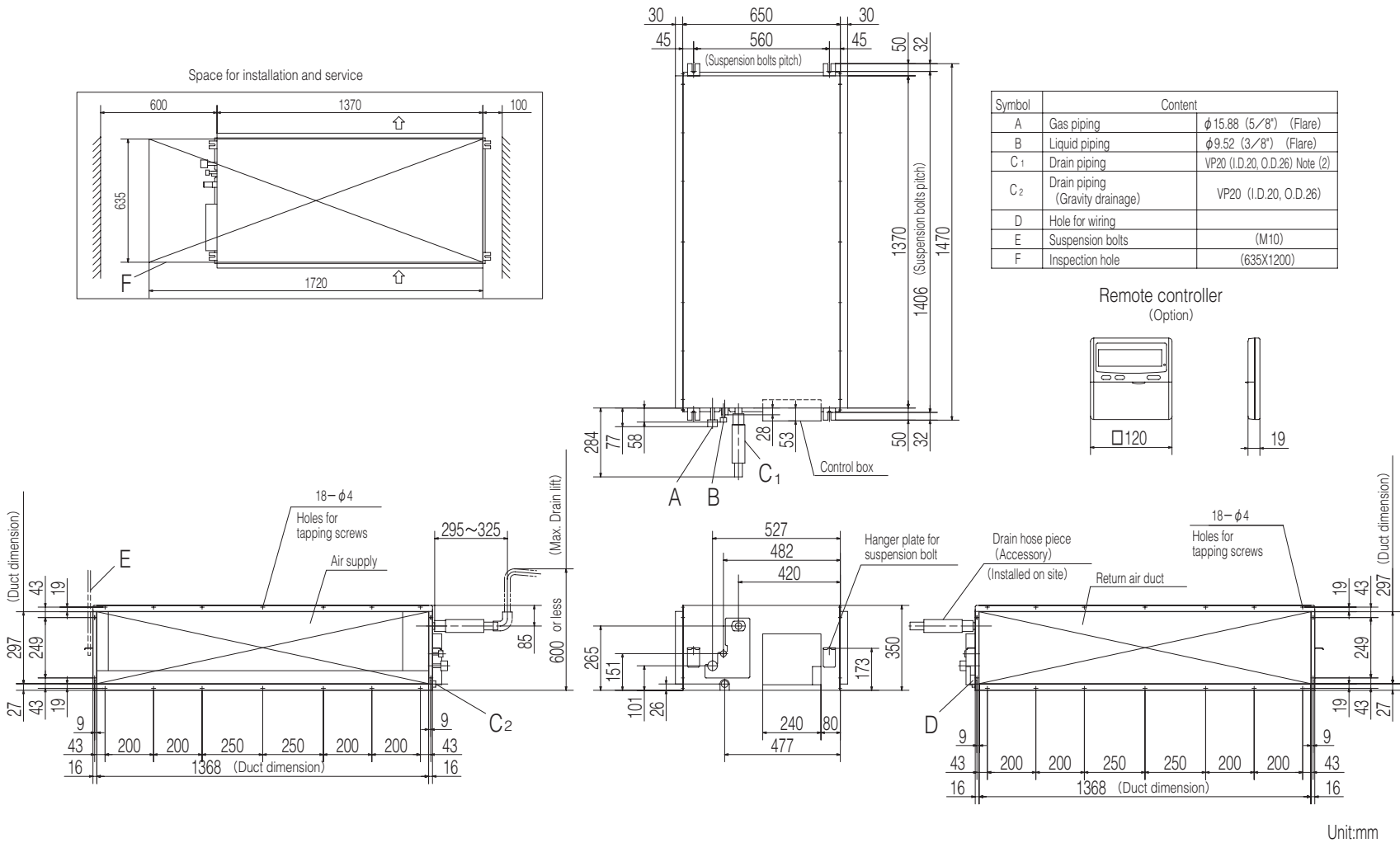
Remote controller (Option)



Unit:mm

- Notes (1) The model name label is attached on the lid of the control box.
 (2) Prepare the connecting socket (VP20) on site.

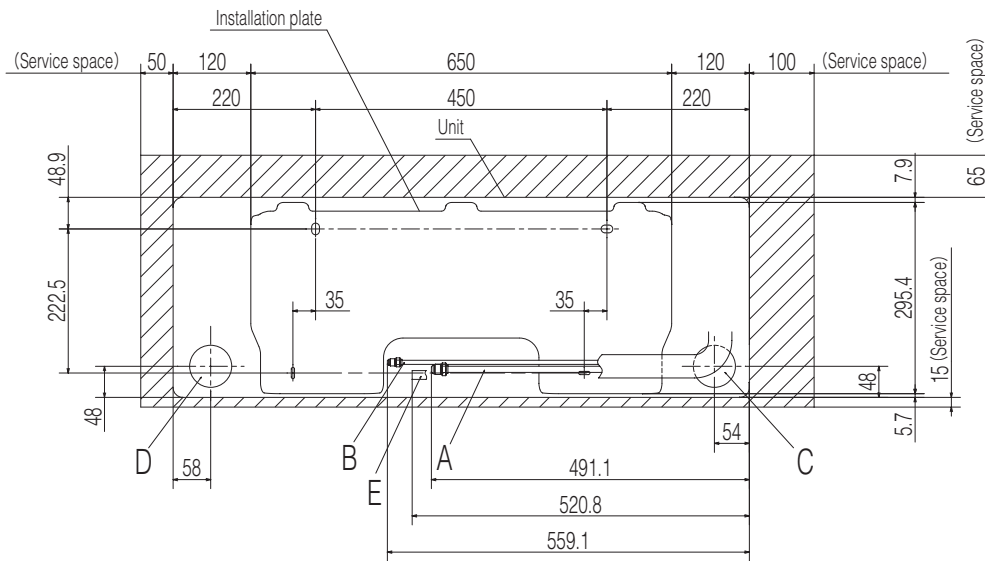
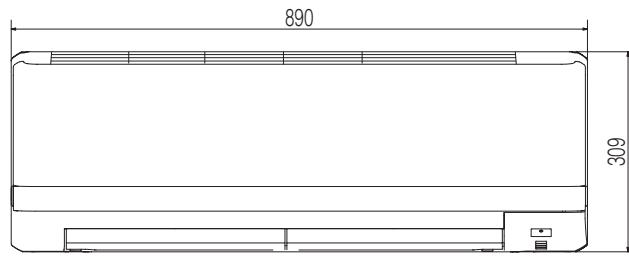
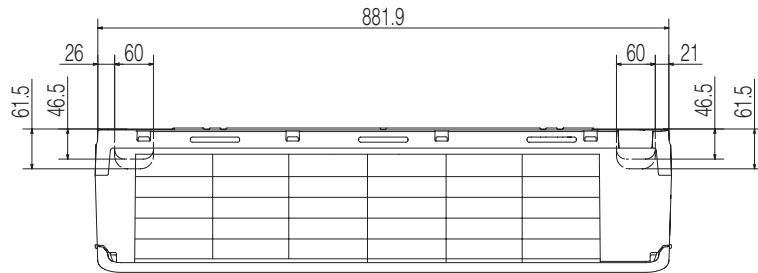
(e) Duct connected-High static pressure type (FDU)
 Model FDU71VD



Notes (1) The model name label is attached on the lid of the control box.
 (2) Prepare the connecting socket (VP20) on site.

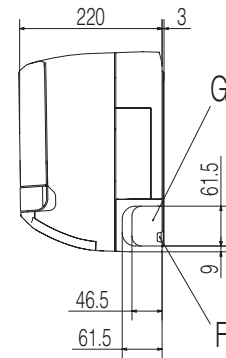
Models FDU100VD, 125VD, 140VD

RKY000Z052 

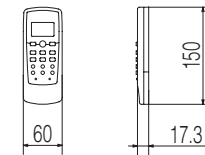


Space for installation and service when viewing from the front

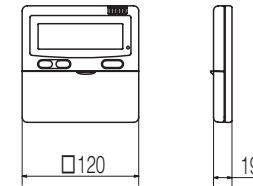
Symbol	Content	
A	Gas piping	Model 20~35 : $\phi 9.52$ (3/8") (Flare) 50,60 : $\phi 12.7$ (1/2") (Flare)
B	Liquid piping	$\phi 6.35$ (1/4") (Flare)
C	Hole on wall for right rear piping	($\phi 65$)
D	Hole on wall for left rear piping	($\phi 65$)
E	Drain hose	VP16 (I.D.16, O.D.22)
F	Outlet for wiring	
G	Outlet for piping (on both side)	



Wireless remote controller



Wired - remote controller (Option)

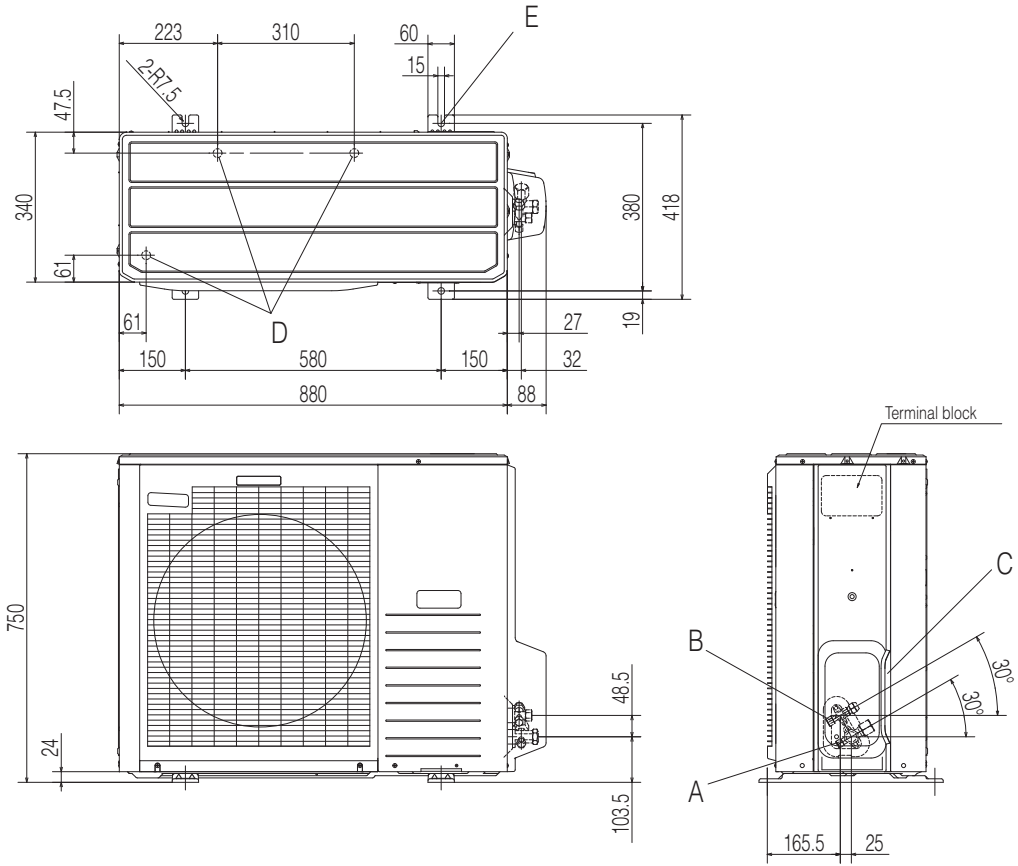


- Notes (1) The model name label is attached on the underside of the panel.
 (2) It takes the interface kit (SC-BIKN-E) to connect the wired remote controller.

Unit:mm

(f) Wall mounted type (SRK)
 Models SRK50ZIX-S, 60ZIX-S

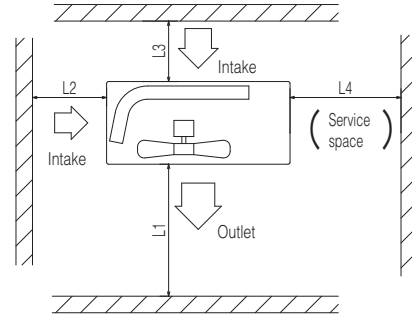
PCA001Z603



Symbol	Content	
A	Service valve connection (gas side)	φ 15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	φ 9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ 20 × 3places
E	Anchor bolt hole	M10 × 4places

Notes

- (1) It must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the units height.
- (6) The model name label is attached on the lower right corner of the front panel.



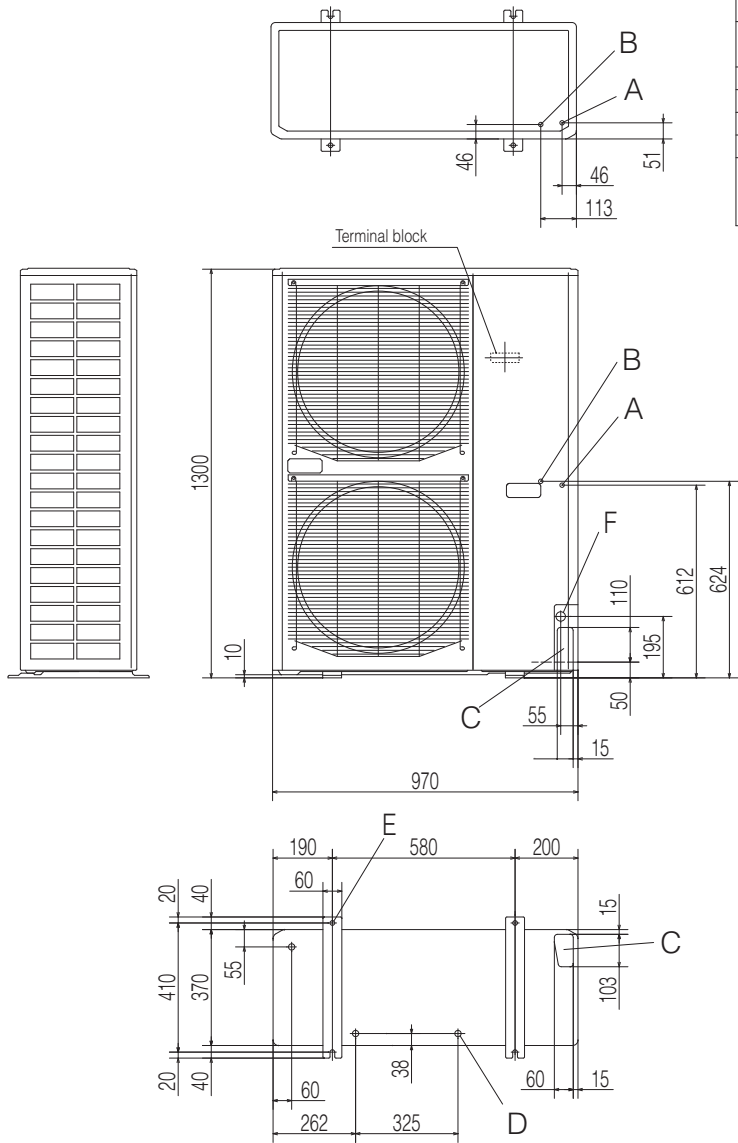
Minimum installation space

Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	250	Open
L3	100	150	100
L4	250	250	250

Unit:mm

(2) Outdoor units
Model FDC71VNX

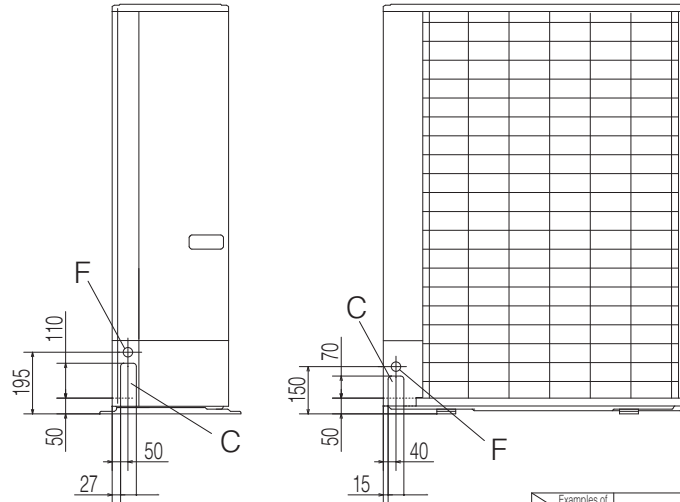
PCA001Z569 



Symbol	Content	
A	Service valve connection of the attached connecting pipe (gas side)	φ 15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	φ 9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ 20 × 3places
E	Anchor bolt hole	M10 × 4places
F	Cable draw-out hole	φ 30 (front) φ 45 (side) φ 50 (back)

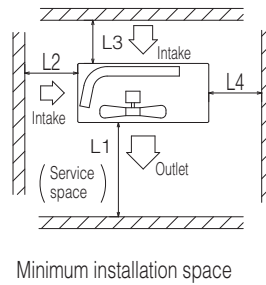
Notes

- (1) It must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the units height.
- (6) The model name label is attached on the lower right corner of the front panel.
- (7) Connect the Service valve with local pipe by using the pipe of the attachment. (Gas side only)



Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150
L4	5	5	5

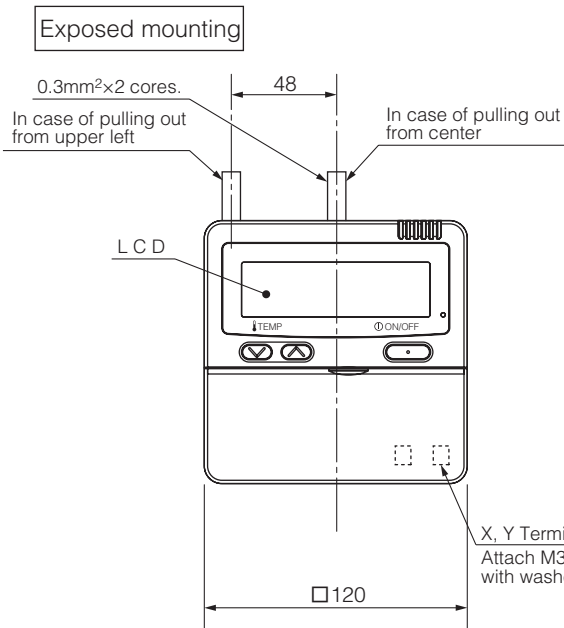
Unit:mm



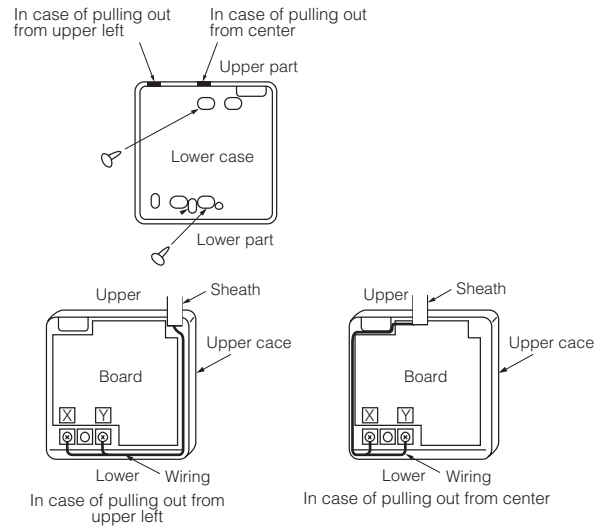
Models FDC100VNX, 125VNX, 140VNX
100VSX, 125VSX, 140VSX

(3) Remote controller (Option parts)

(a) wired remote controller (RC-E4)

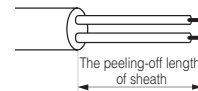


Wiring outlet
Cut off the upper thin part of remote control lower case with a nipper or knife, and grind burrs with a file etc.

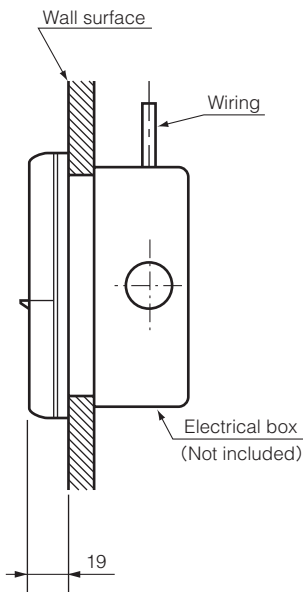


The peeling-off length of sheath

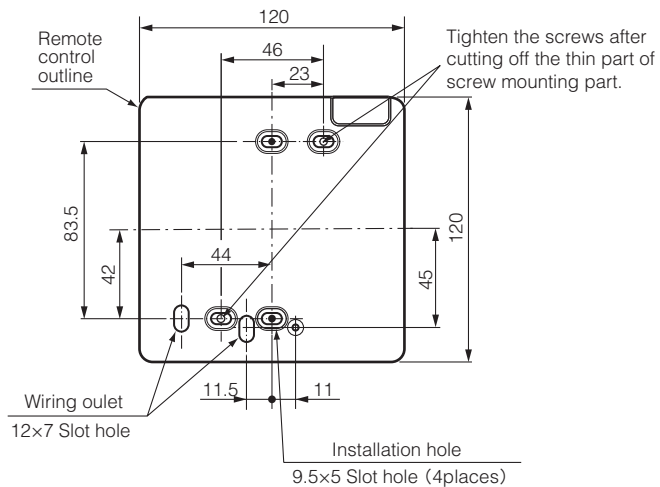
Pulling out from upper left	Pulling out from center
X wiring : 215mm	X wiring : 170mm
Y wiring : 195mm	Y wiring : 190mm



Embedded mounting



Remote control installation dimensions



(1) Installation screw for remote control
M4 Screw (2 pieces)

Unit:mm

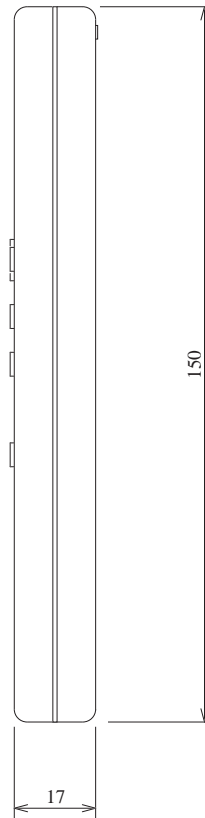
Wiring specifications

(1) If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

Length	Wiring thickness
100 to 200m	0.5mm²x2 cores
Under 300m	0.75mm²x2 cores
Under 400m	1.25mm²x2 cores
Under 600m	2.0mm²x2 cores

PJZ000Z274

(b) Wireless remote controller (RCN-E1R)



Unit: mm

3. ELECTRICAL WIRING

(1) Indoor units

(a) Ceiling cassette-4 way compact type (FDTC)

Models FDTCA0VD, 50VD, 60VD

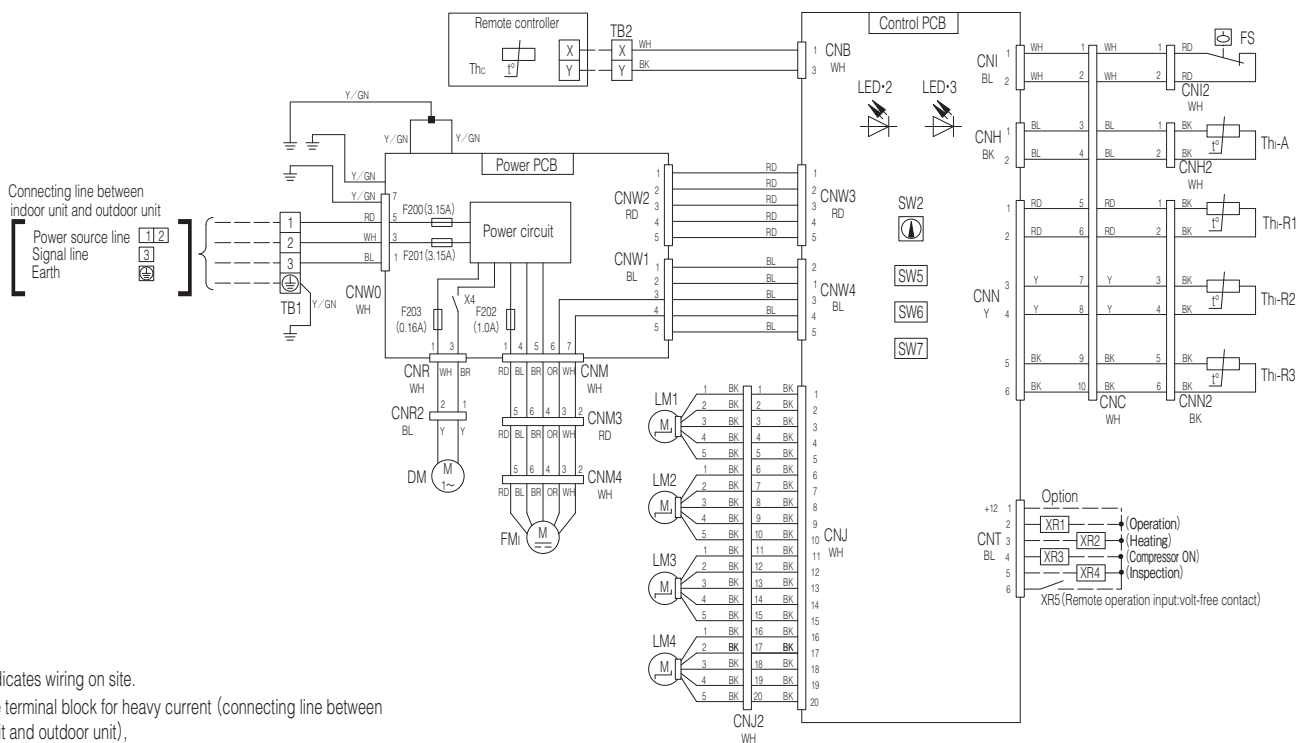
Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow / Green

TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th-A	Thermistor (Return air)
Th-R1,2,3	Thermistor (Heat exchanger)
X4	Relay for DM
■ mark	Closed-end connector

LED-3	Indication lamp (Red-Inspection)
LM1~4	Louver motor
SW2	Remote controller communication address
SW5	Plural units Master / Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run

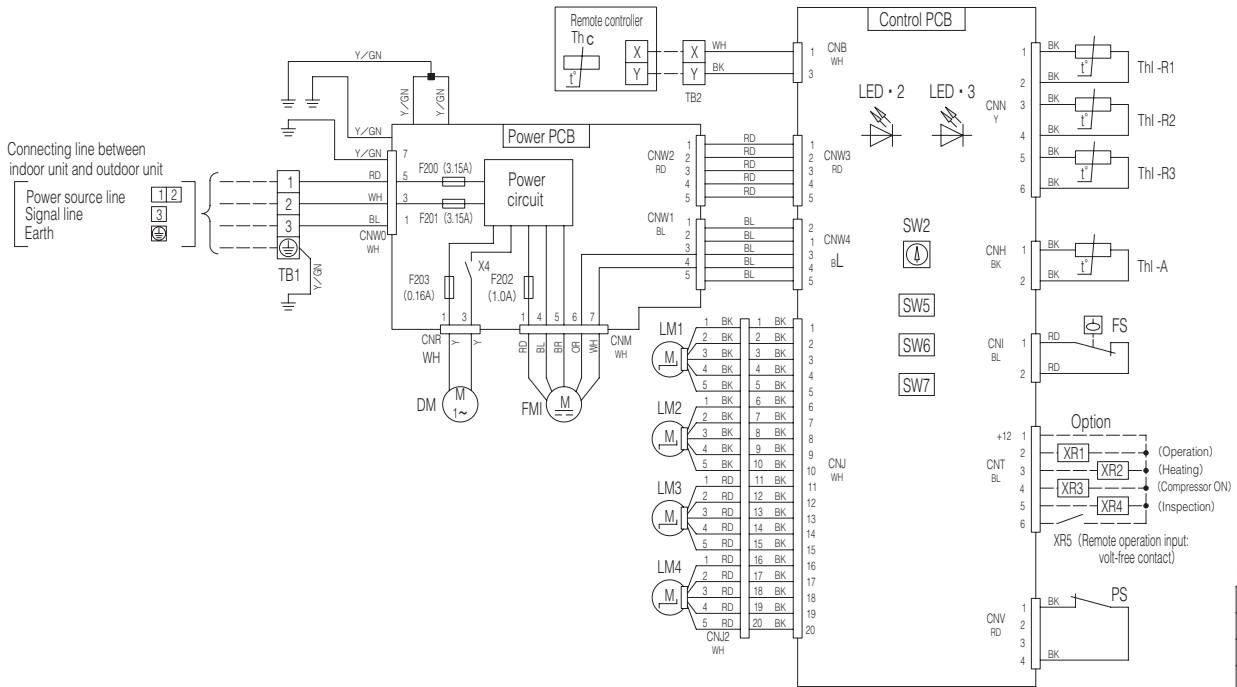
CNB~Z	Connector
DM	Drain motor
F200~203	Fuse
FM ₁	Fan motor
FS	Float switch
LED-2	Indication lamp (Green-Normal operation)



- Notes
- indicates wiring on site.
 - TB1 is the terminal block for heavy current (connecting line between indoor unit and outdoor unit), and TB2 is the terminal block for weak current (remote controller).
 - See the wiring diagram of outside unit about the line between inside unit and outside unit.
 - Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 - Do not put remote controller line alongside power source line.

PJA003Z340

(b) Ceiling cassette-4 way type (FDT)
 Models FDT40VD, 50VD, 60VD, 71VD, 100VD, 125VD, 140VD



CNB~Z	Connector
DM	Drain motor
F200~203	Fuse
FMI	Fan motor
FS	Float switch
LED • 2	Indication lamp (Green-Normal operation)
LED • 3	Indication lamp (Red-Inspection)
LM1~4	Louver motor
PS	Panel switch
SW2	Remote controller communication address
SW5	Plural units Master/Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Th c	Thermistor (Remote controller)
Th1 -A	Thermistor (Return air)
Th1 -R1,2,3	Thermistor (Heat exchanger)
X4	Relay for DM
■mark	Closed-end connector

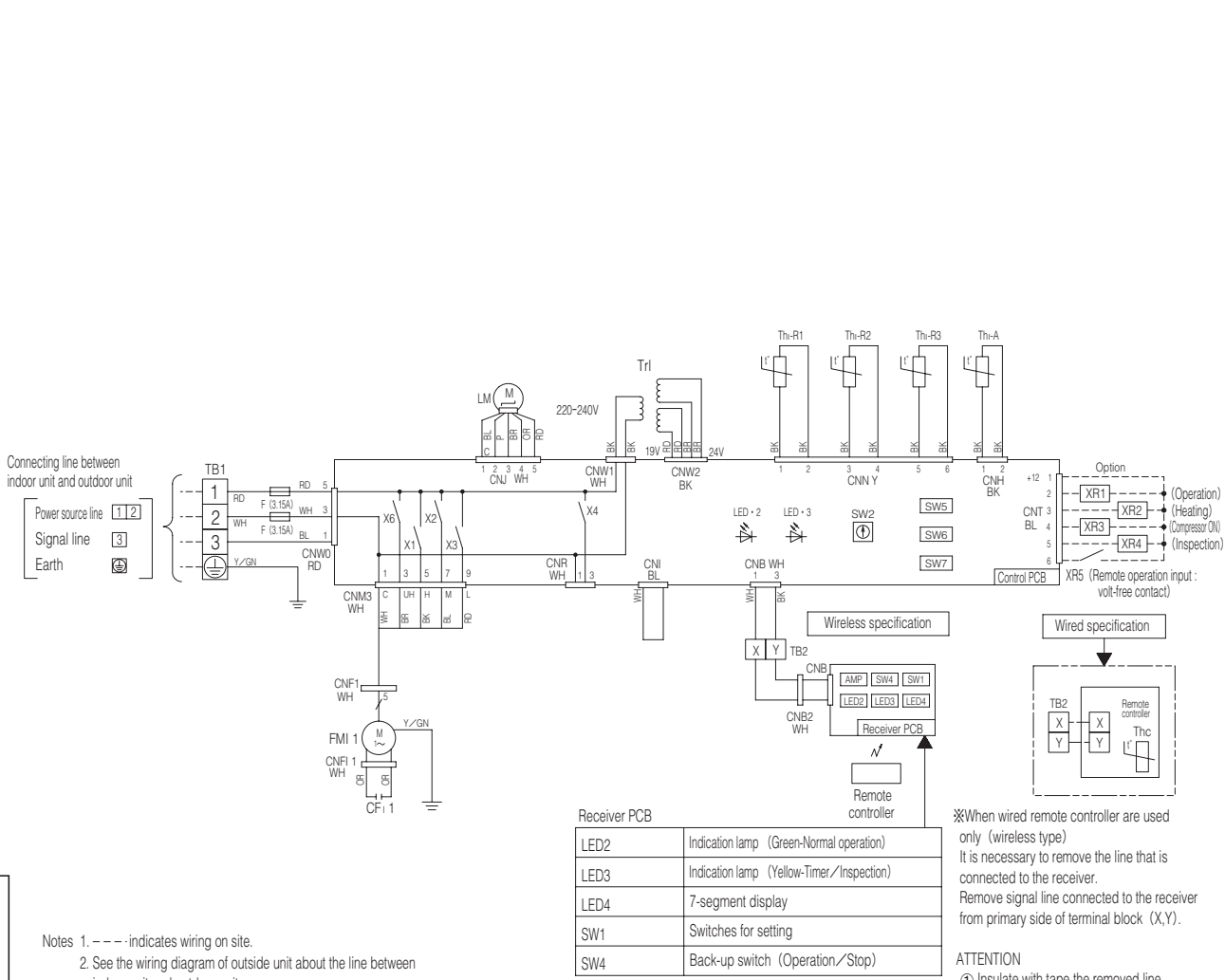
Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

- Notes
1. --- indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between inside unit and outside unit.
 3. Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

PJF000Z190

PFA003Z819/A



- Notes 1. --- indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between indoor unit and outdoor unit.
 3. Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

CFI 1	Capacitor for FMI
CNB~Z	Connector
F	Fuse
FMI 1	Fan motor (with thermostat)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
LM	Louver motor
SW2	Remote controller communication address
SW5	Plural units Master/Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Thl-A	Thermistor (Return air)
Thl-R1,2,3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM

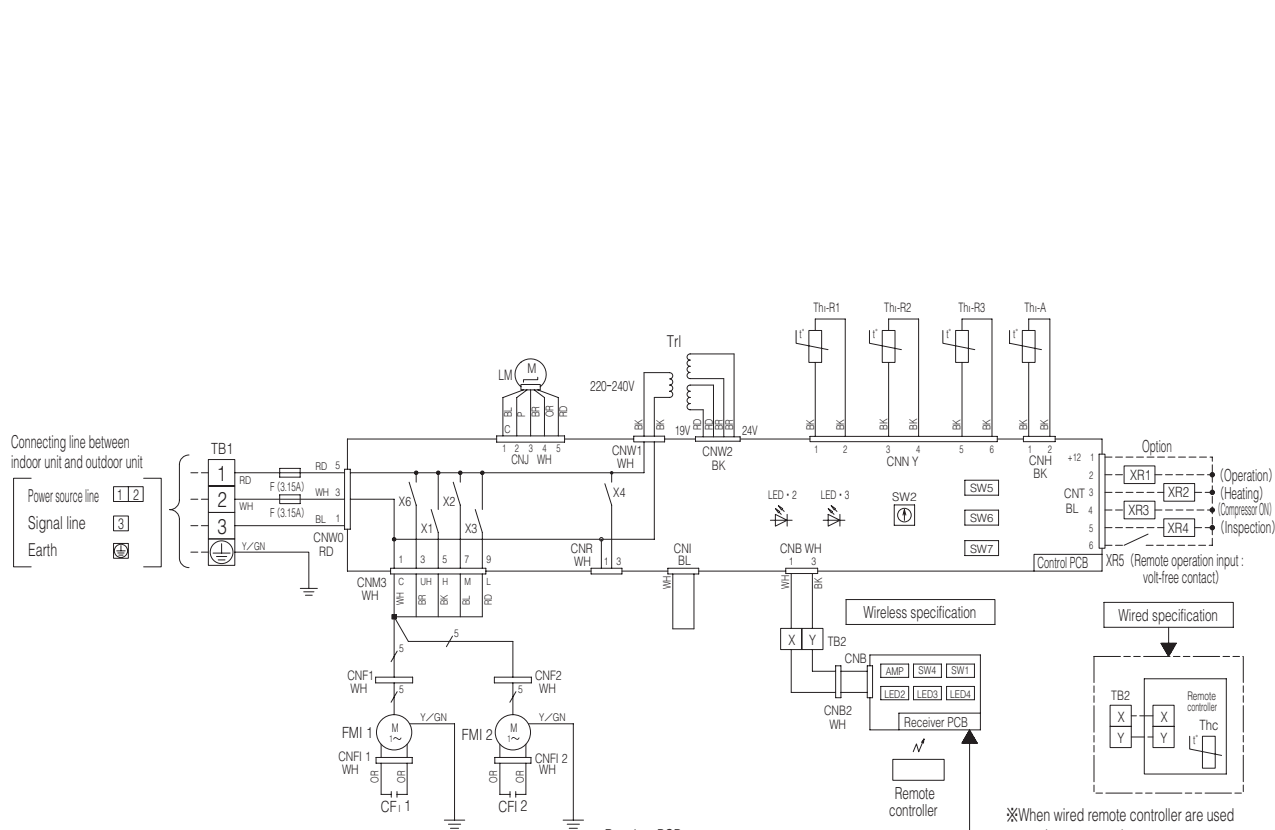
Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y/GN	Yellow/Green
P	Pink		

(c) Ceiling suspended type (FDEN)
 Models FDEN40VD, 50VD

※When wired remote controller are used only (wireless type)
 It is necessary to remove the line that is connected to the receiver.
 Remove signal line connected to the receiver from primary side of terminal block (X,Y).
ATTENTION
 ① Insulate with tape the removed line.
 ② The LED of that removed connector will not be able to make any indication.

PFA003Z820/B



CFI 1,2	Capacitor for FMI
CNB~Z	Connector
F	Fuse
FMI 1,2	Fan motor (with thermostat)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
LM	Lower motor
SW2	Remote controller communication address
SW5	Plural units Master/Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Thl-A	Thermistor (Return air)
Thl-R1,2,3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3.6	Relay for FM
X4	Relay for DM
■mark	Closed-end connector

Receiver PCB

LED2	Indication lamp (Green-Normal operation)
LED3	Indication lamp (Yellow-Timer/Inspection)
LED4	7-segment display
SW1	Switches for setting
SW4	Back-up switch (Operation/Stop)

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y/GN	Yellow/Green
P	Pink		

- Notes
1. - - - indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between indoor unit and outdoor unit.
 3. Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

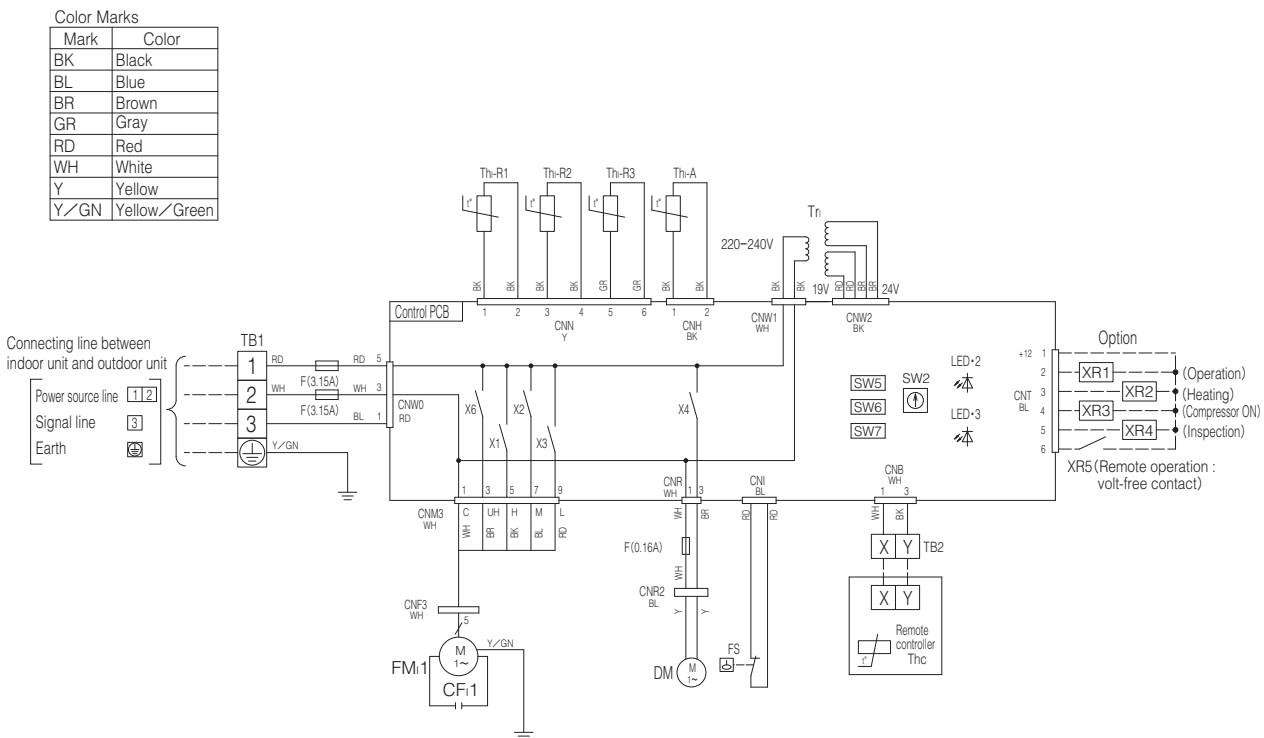
※When wired remote controller are used only (wireless type)
It is necessary to remove the line that is connected to the receiver.
Remove signal line connected to the receiver from primary side of terminal block (X,Y).

ATTENTION

- ① Insulate with tape the removed line.
- ② The LED of that removed connector will not be able to make any indication.

(d) Duct connected-Low/Middle static pressure type (FDUM)
Models FDUM50VD, 60VD, 71VD

CF1	Capacitor for FMI
CNB~Z	Connector
DM	Drain motor
F	Fuse
FMI1	Fan motor(with thermostat)
FS	Float switch
LED•2	Indication lamp(Green-Normal operation)
LED•3	Indication lamp(Red-Inspection)
SW2	Remote controller communication address
SW5	Plural units Master/Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block(Power source) (□mark)
TB2	Terminal block(Signal line) (□mark)
Thc	Thermistor(Remote controller)
Thl-A	Thermistor(Return air)
Thl-R1,2,3	Thermistor(Heat exchanger)
Trl	Transformer
X1~3,6	Relay for FM
X4	Relay for DM



Color Marks

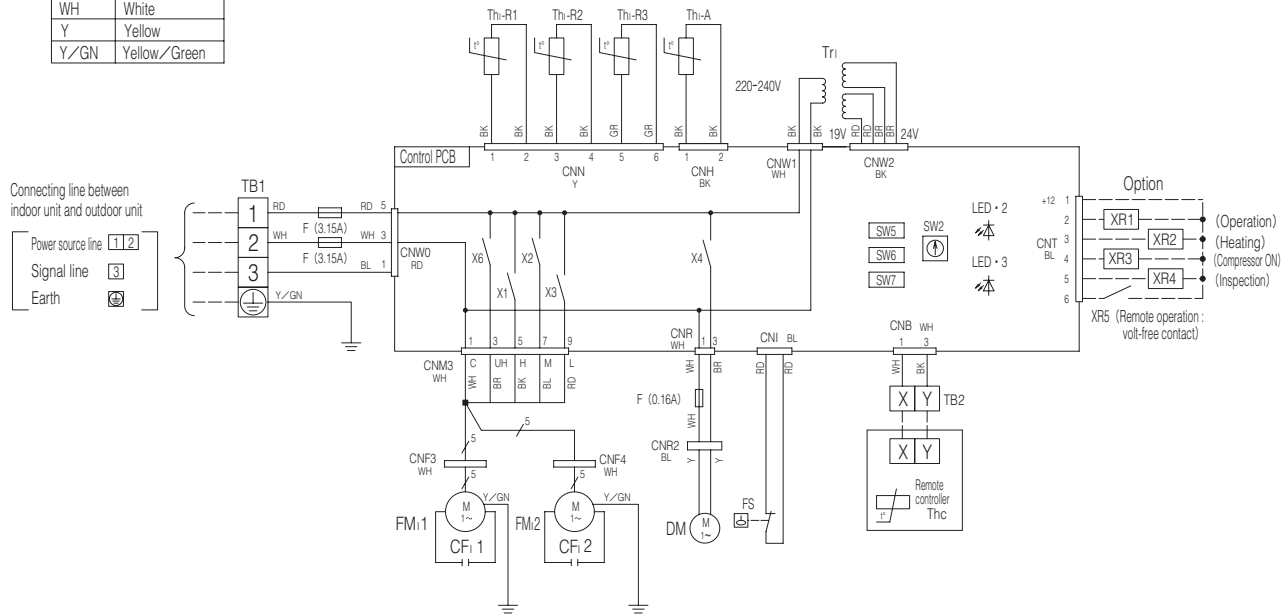
Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Connecting line between indoor unit and outdoor unit

- Power source line (1, 2)
- Signal line (3)
- Earth (Earth symbol)

- Notes
1. — indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between inside unit and outside unit.
 3. Use twin core cable(0.3mm² X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green



CF1,2	Capacitor for FMI
CNB~Z	Connector
DM	Drain motor
F	Fuse
FMI 1,2	Fan motor (with thermostat)
FS	Float switch
LED · 2	Indication lamp (Green-Normal operation)
LED · 3	Indication lamp (Red-Inspection)
SW2	Remote controller communication address
SW5	Plural units Master/Slave setting
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block [Power source] (□mark)
TB2	Terminal block [Signal line] (□mark)
Thc	Thermistor (Remote controller)
Thi -A	Thermistor (Return air)
Thi -R1,2,3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed-end connector

- Notes
1. - - - indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between inside unit and outside unit.
 3. Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

PJR0022245

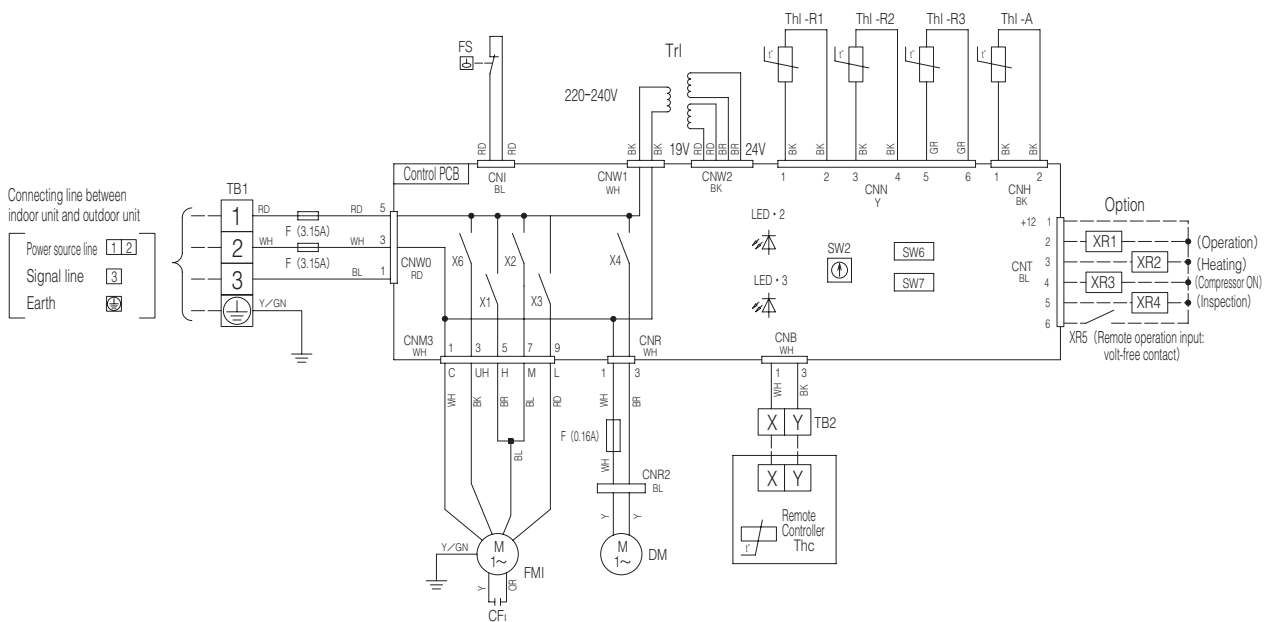
Models FDUM100VD, 125VD, 140VD

(e) Duct connected-High static pressure type (FDU)
Model FDU71VD

CF1	Capacitor for FMI
CNB~Z	Connector
DM	Drain motor
F	Fuse
FMI	Fan motor (with thermostat)
FS	Float switch
LED • 2	Indication lamp (Green-Normal operation)
LED • 3	Indication lamp (Red-Inspection)
SW2	Remote controller communication address
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Thl-A	Thermistor (Return air)
Thl-R1,2,3	Thermistor (Heat exchanger)
Trl	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed-end connector

Color Marks

Mark	Color	Mark	Color
BK	Black	P	Pink
BL	Blue	RD	Red
BR	Brown	WH	White
GR	Gray	Y	Yellow
OR	Orange	Y/GN	Yellow/Green



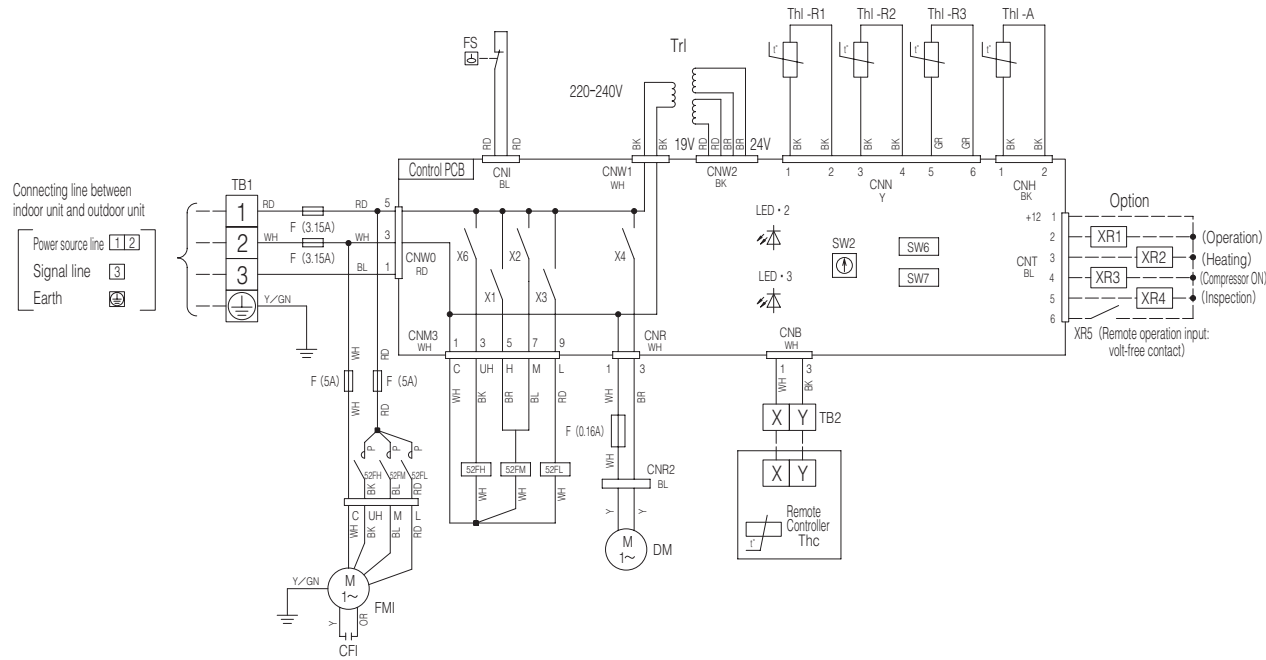
Notes 1. - - - - indicates wiring on site.

- See the wiring diagram of outside unit about the line between inside unit and outside unit.
- Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
- Do not put remote controller line alongside power source line.

PJD001Z304

Color Marks

Mark	Color	Mark	Color
BK	Black	P	Pink
BL	Blue	RD	Red
BR	Brown	WH	White
GR	Gray	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

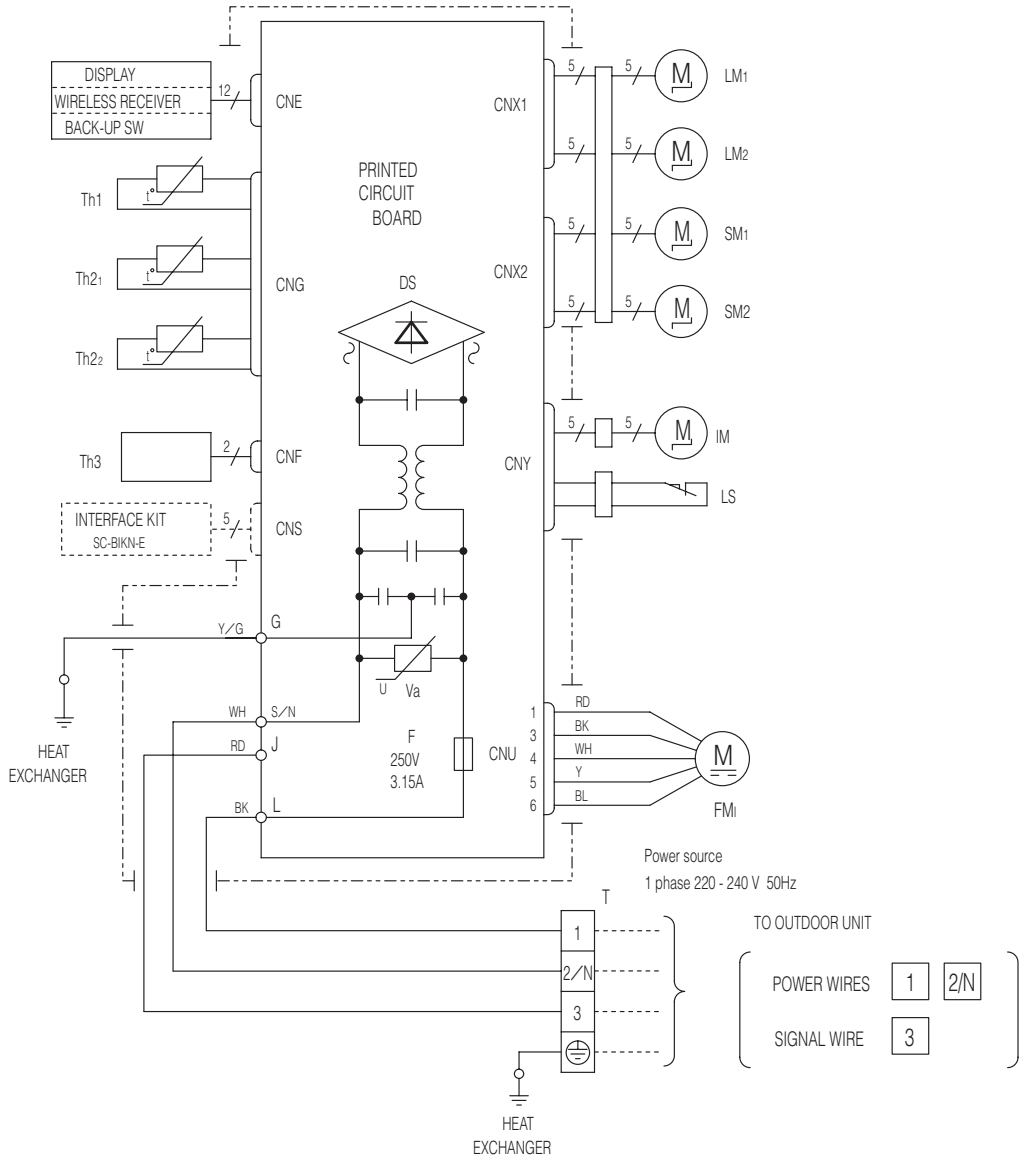


- Notes
1. - - - - indicates wiring on site.
 2. See the wiring diagram of outside unit about the line between inside unit and outside unit.
 3. Use twin core cable (0.3mm²X2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
 4. Do not put remote controller line alongside power source line.

CF1	Capacitor for FMI
CNB~Z	Connector
DM	Drain motor
F	Fuse
FMI	Fan motor (with thermostat)
FS	Float switch
LED · 2	Indication lamp (Green-Normal operation)
LED · 3	Indication lamp (Red-Inspection)
SW2	Remote controller communication address
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1 -A	Thermistor (Return air)
Th1 -R1,2,3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed-end connector
52FL,FM,FH	Electromagnetic contactor for FMI

Models FDU100VD, 125VD, 140VD

RWA000Z215



Item	Description
CNE-CNY	Connector
FMi	Fan motor
SM1,2	Flap motor
LM1,2	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
Th2,2	Heat exch. sensor
Th3	Humidity sensor
LS	Limit switch
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

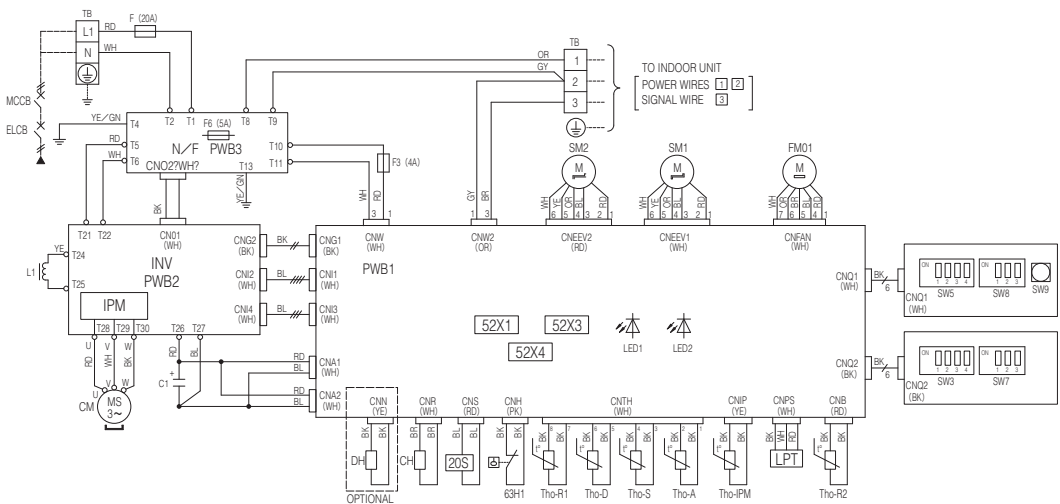
(f) Wall mounted type (SRK)
Models SRK50ZIX-S, 60ZIX-S

(2) Outdoor units
Model FDC71VNX

Item	Description
CM	Compressor motor
FM01	Fan motor
CH	Crankcase heater
DH	Drain pan heater
52X1	Auxiliary relay (for CH)
52X3	Auxiliary relay (for DH)
52X4	Auxiliary relay (for 20S)
20S	Solenoid valve for 4 way valve
SM1	Expansion valve for cooling
SM2	Expansion valve for heating
63H1	High pressure switch
Tho-A	Thermistor (Outdoor air temp.)
Tho-D	Thermistor (Discharge pipe temp.)
Tho-R1,R2	Thermistor (Heat exchanger temp.)
Tho-S	Thermistor (Suction pipe temp.)
Tho-IPM	Thermistor (IPM)
LPT	Low pressure sensor
IPM	Intelligent power module
TB	Terminal block
FF3	Fuse
CnA~Z	Connector
SW9	Pump down switch
SW3,5	Local setting switch
LED1	Indication lamp (GREEN)
LED2	Indication lamp (RED)
L1	Reactor

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
YE	Yellow
YE/GN	Yellow/Green
GY	Gray
PK	Pink

POWER SOURCE 1~220-240V 50Hz/1~220V 60Hz



Power cable, indoor-outdoor connecting wires

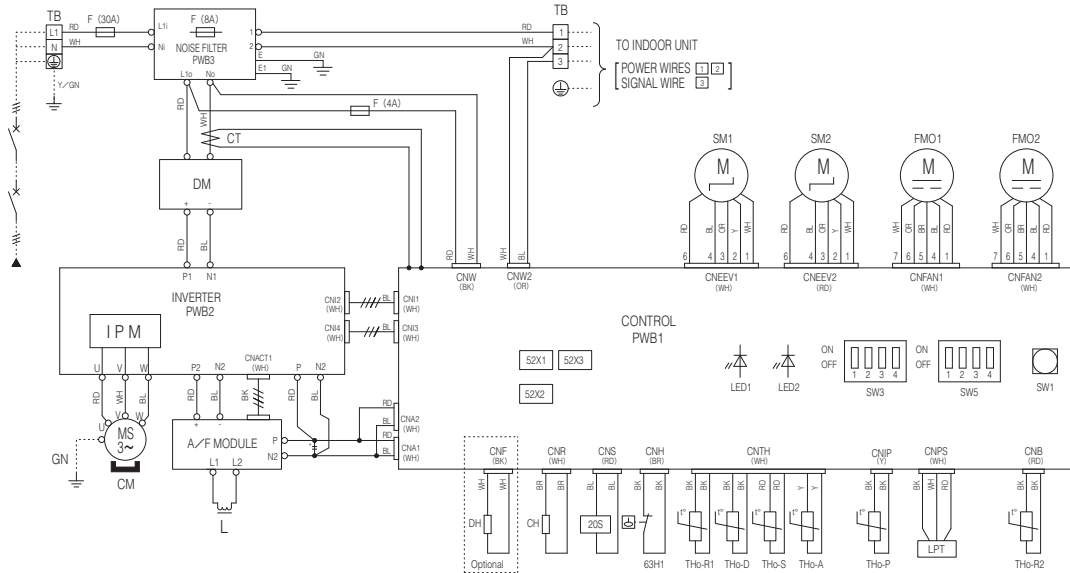
Model	MAX over current (A)	Power cable size (mm ²)	Power cable length (m)	indoor-outdoor wire size x number (mm)	Earth wire size (mm)
71	17	3.5	21	φ 1.6mm x 3	φ 1.6mm

- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.
- Refer to installation manual or technical manual about usage of local setting switch. Don't operate SW3-3, SW5-1, SW5-2, SW7, SW8

Local setting switch SW3, SW5 (Set up at shipment OFF)

SW3-1	Defrost control change	The defrosting operation interval becomes shorter by turning ON this switch. This switch should be turned ON in the area where outside temperature becomes below the freezing point.
SW3-2	Snow guard fan control	When this switch is turned ON, the outdoor unit fan will run for 10 seconds in every 10 minutes, when outdoor temperature falls to 3°C or lower and the compressor is not running when the unit is used in a very snowy country, set this switch to ON.
SW5-3,4	Trial operation	Method of trial operation 1. Trial operation can be performed by using SW5-3. 2. Cooling trial operation will be performed when SW5-4 is OFF, and heating trial operation when SW5-4 is ON. 3. Be sure to turn OFF SW5-3 after the trial operation is finished.

POWER SOURCE 1~220-240V 50Hz/1~220V 60Hz



Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
GR	Gray
P	Pink
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Item	Description
CnA~Z	Connector
CH	Crankcase heater
DH	Drain pan heater
CM	Compressor motor
CT	Current sensor
DM	Diode module
F	Fuse
FMO1	Fan motor
IPM	Intelligent power module
L	Reactor
LED1	Indication lamp (GREEN)
LED2	Indication lamp (RED)
LPT	Low pressure sensor
SM1	Expansion valve for cooling
SM2	Expansion valve for heating
SW1	Pump down switch
SW3,5	Local setting switch
TB	Terminal block
Tho-A	Thermistor (Outdoor air temp.)
Tho-D	Thermistor (Discharge pipe temp.)
Tho-P	Thermistor (IPM)
Tho-R1,2	Thermistor (Heat exchanger pipe temp.)
Tho-S	Thermistor (Suction pipe temp.)
20S	Solenoid valve for 4 way valve
52X1	Auxiliary relay (for CH)
52X2	Auxiliary relay (for DH)
52X3	Auxiliary relay (for 20S)
63H1	High pressure switch

Power cable, indoor-outdoor connecting wires

Model	MAX over current (A)	Power cable size (mm ²)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
100	24	5.5	25	φ 1.6mm x 3	φ 1.6
125	26		23		
140					

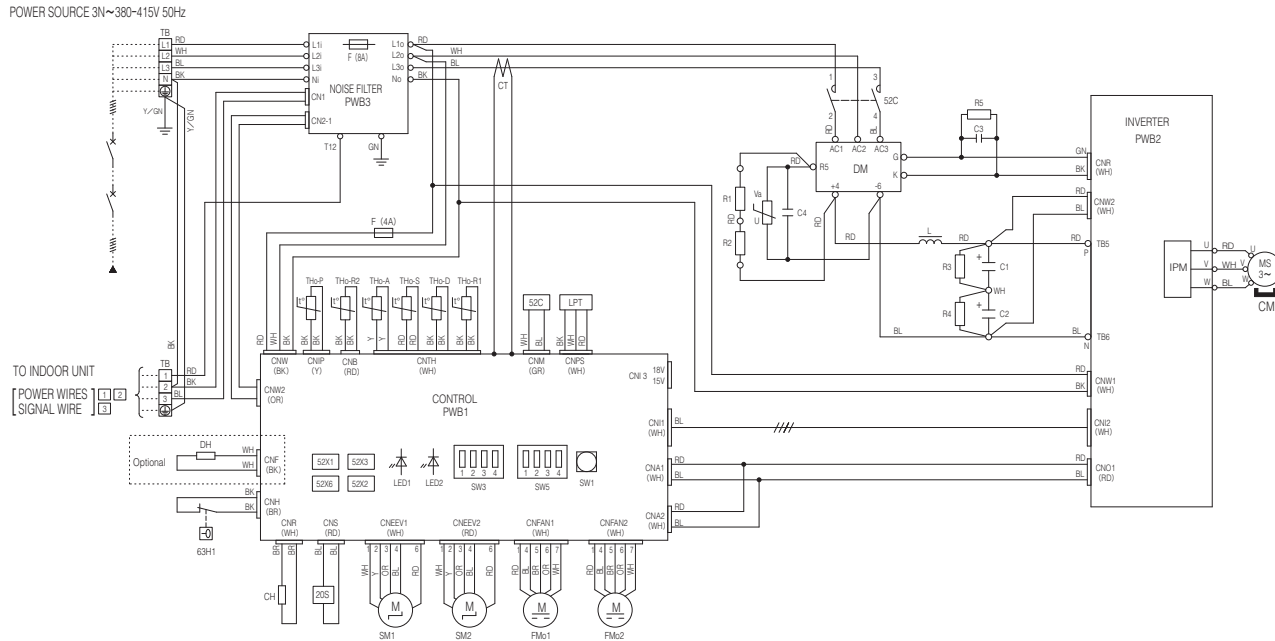
※At the connection with the duct type indoor unit.

Model	MAX over current (A)	Power cable size (mm ²)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
100	25	5.5	24	φ 1.6mm x 3	φ 1.6
125	29	8	31		
140	30		30		

- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.

Local setting switch SW3 (Set up at shipment OFF)

SW3-1	Defrost control change	The defrosting operation interval becomes shorter by turning ON this switch. This switch should be turned ON in the area where outside temperature becomes below the freezing point.
SW3-2	Snow guard fan control	When this switch is turned ON, the outdoor unit fan will run for 30 seconds in every 10 minutes, when outdoor temperature falls to 3°C or lower and the compressor is not running when the unit is used in a very snowy country, set this switch to ON.
SW3-3,4	Trial operation	Method of trial operation ① Trial operation can be performed by using SW3-3,4. ② Compressor will be in the operation when SW3-3 is ON. ③ Cooling trial operation will be performed when SW3-4 is OFF, and heating trial operation when SW3-4 is ON. ④ Be sure to turn OFF SW3-3 after the trial operation is finished.



Power cable, indoor-outdoor connecting wires

Model	MAX over current (A)	Power cable size (mm ²)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
100	15	3.5	27	φ 1.6mm x 3	φ 1.6
125					
140					

※At the connection with the duct type indoor unit.

Model	MAX over current (A)	Power cable size (mm ²)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
100	16	3.5	26	φ 1.6mm x 3	φ 1.6
125	18		23		
140	19		21		

- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.

Local setting switch SW3 (Set up at shipment OFF)

SW3-1	Defrost control change	The defrosting operation interval becomes shorter by turning ON this switch. This switch should be turned ON in the area where outside temperature becomes below the freezing point.
SW3-2	Snow guard fan control	When this switch is turned ON, the outdoor unit fan will run for 30 seconds in every 10 minutes, when outdoor temperature falls to 3°C or lower and the compressor is not running when the unit is used in a very snowy country, set this switch to ON.
SW3-3,4	Trial operation	Method of trial operation ① Trial operation can be performed by using SW3-3,4. ② Compressor will be in the operation when SW3-3 is ON. ③ Cooling trial operation will be performed when SW3-4 is OFF, and heating trial operation when SW3-4 is ON. ④ Be sure to turn OFF SW3-3 after the trial operation is finished.

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green
GR	Gray
P	Pink

Item	Description
CH	Crankcase heater
CM	Compressor motor
CnA~Z	Connector
CT	Current sensor
DH	Drain pan heater
DM	Diode module
F	Fuse
FMo1,2	Fan motor
IPM	Intelligent power module
L	Reactor
LED1	Indication lamp (GREEN)
LED2	Indication lamp (RED)
LPT	Low pressure sensor
SM1	Expansion valve for cooling
SM2	Expansion valve for heating
SW1	Pump down switch
SW3,5	Local setting switch
TB	Terminal block
THo-A	Thermistor (Outdoor air temp.)
THo-D	Thermistor (Discharger pipe temp.)
THo-R1,2	Thermistor (Heat exchanger pipe temp.)
THo-S	Thermistor (Suction pipe temp.)
THo-P	Thermistor (IPM)
20S	Solenoid valve for 4 way valve
52C	Relay
52X1	Auxiliary relay (for CH)
52X2	Auxiliary relay (for DH)
52X3	Auxiliary relay (for 20S)
52X6	Auxiliary relay (for 52C)
63H1	High pressure switch

4. RANGE OF USAGE & LIMITATIONS

Operating temperature range		See the next page.
		When used below -5°C, provide a snow hood to the outdoor unit on site. (option)
Recommendable area to install		Considering to get sufficient heating capacity, the area where the averaged lowest ambient air temperature in day time during winter is above 0°C, and it has no accumulation of snow.
Installation site		The limitations of installation space are shown in the page for outline drawing. Install the indoor unit at least 2.5m higher than the floor surface.
Temperature and humidity conditions surrounding the indoor unit in the ceiling (Note 2)		Dew point temperature : 28 (23) °C or less, relative humidity : 80% or less (Note 5)
Limitations on unit and piping installation		See page 99 and 100
Compressor ON-OFF cycling	Cycle Time	7 minutes or more (from OFF to OFF) or (from ON to ON)
	Stop Time	3 minutes or more
Power source	Voltage range	Rating ±10%
	Voltage drop at start-up	Min.85% of rating
	Phase-to-phase imbalance	3% or less

Note 1. Do not install the unit in places which :

- 1) Flammable gas may leak.
- 2) Carbon fiber, metal particles, powder, etc. are floating.
- 3) Cosmetic or special sprays are used frequently.
- 4) Exposed to oil splashes or steam (e.g. kitchen and machine plant).
- 5) Exposed to sea breeze (e.g. coastal area) or calcium chloride (e.g. snow melting agent).
- 6) Exposed to ammonia substance (e.g. organic fertilizer).
- 7) Matters affecting devices, such as sulfuric gas, chlorine gas, acid, alkali, etc. may generate or accumulate.
- 8) Chimney smoke is hanging.
- 9) Sucking the exhaust gas from heat exchanger.
- 10) Adjacent to equipment generating electromagnetic waves or high frequency waves.
- 11) There is light beams that affect the receiving device of indoor unit in case of the wireless specification.
- 12) Snow falls heavily.
- 13) At an elevation of 1000 meters or higher.
- 14) On mobile machine (e.g. vehicle, ship, etc.)
- 15) Splashed with water to indoor unit (e.g. laundry room).
- 16) Indoor units of twin and triple specifications separately in a room with partition.

Note 2. If ambient temperature and humidity exceed the above conditions, add polyurethane foam insulation(10mm or thicker) on the outer plate of indoor unit.

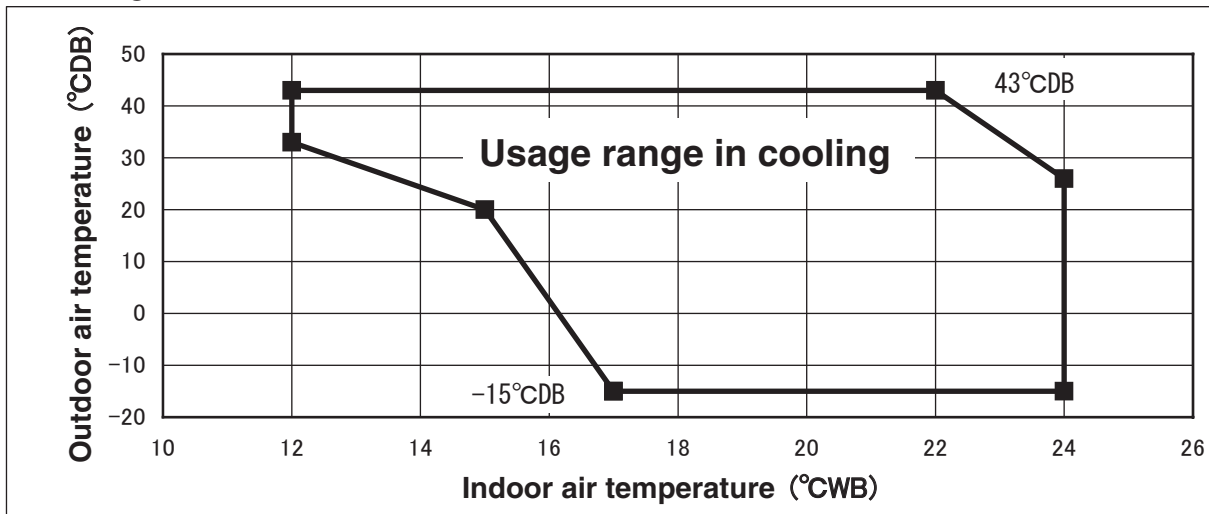
Note 3. Both gas and liquid pipes need to be covered with 20mm or thicker heat insulation materials at the place where humidity exceeds 70%.

Note 4. Do not turn on the power when the outdoor temperature is -15°C or below at cooling operation.

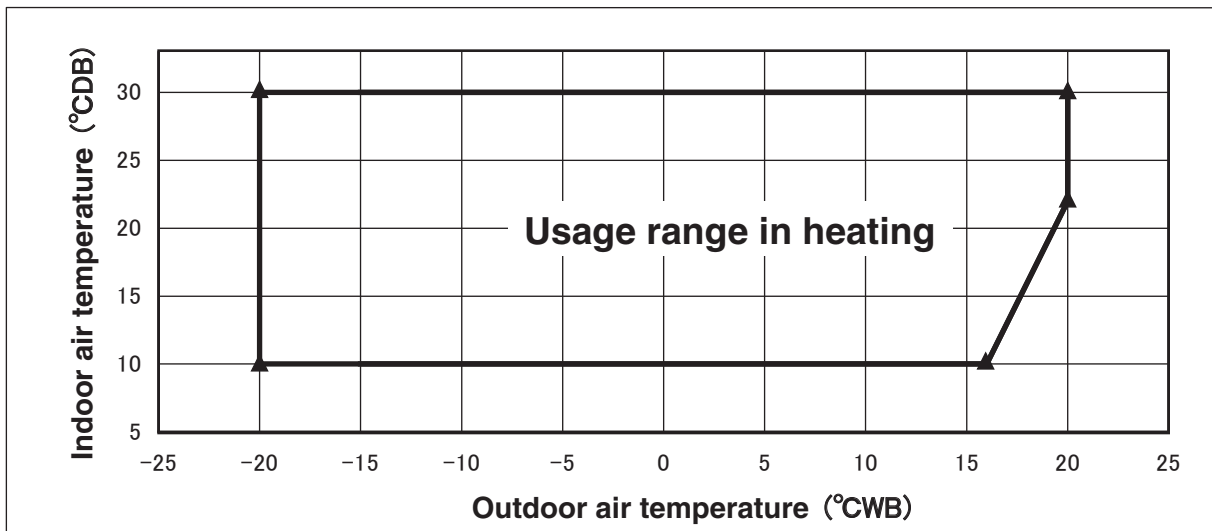
Note 5. Value in () are for the model FDEN series.

Operating temperature range

■ Cooling



■ Heating



Decline in cooling and heating capacity or operation stop may occur when the outdoor unit is installed in places where natural wind can increase or decrease its design airflow rate.

PCA001Z576

“CAUTION” Cooling operation under low outdoor air temperature conditions

PAC models can be operated in cooling mode at low outdoor air temperature condition within above temperature range. However in case of severely low temperature conditions if the following precaution is not observed, it may not be operated in spite of operable temperature range mentioned above and cooling capacity may not be established under certain conditions.

[Precaution]

In case of severely low temperature condition

- 1) Install the outdoor unit at the place where strong wind cannot blow directly into the outdoor unit.
- 2) If there is no installation place where can prevent strong wind from directly blowing into the outdoor unit, mount the flex flow adapter (prepared as optional part) or like such devices onto the outdoor unit in order to divert the strong wind.

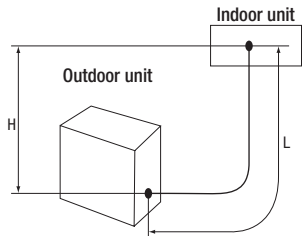
[Reason]

Under the low outdoor air temperature conditions of -5°C or lower, the outdoor fan is controlled at lower or lowest speed by outdoor fan control, but if strong wind directly blow into the outdoor unit, the outdoor heat exchanger temperature will drop more.

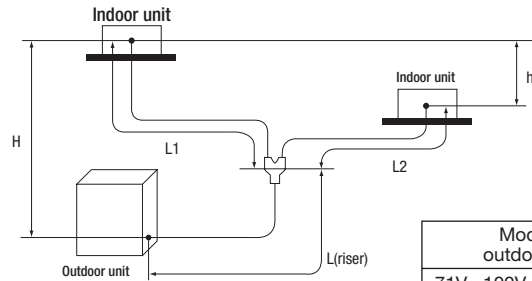
This makes high and low pressures to drop as well. This low pressure drop makes the indoor heat exchanger temperature to drop and will activate anti-frost control at indoor heat exchanger at frequent intervals, that cooling operation may not be established for any given time.

Limitation on unit and piping installation - single, twin.					
Descriptions	Models for outdoor unit		Dimensional limitations	Marks appearing in the drawing	
				Single type	Twin type
One-way pipe length	71V		≦ 50m	L	L + L1 + L2
	100V · 125V · 140V		≦ 100m		
Main pipe length	71V		≦ 50m	/	L
	100V · 125V · 140V		≦ 100m		
One-way pipe length after first branching point	71V		≦ 20m	/	L1, L2
	100V · 125V · 140V		≦ 30m		
Difference of pipe length after first branching point			≦ 10m	/	L1 - L2 L2 - L1
Total pipe length after the second branching point			≦ 15m	/	/
Elevation difference between indoor and outdoor unit	When outdoor unit is positioned higher	71V	≦ 30m	H	H
		100V · 125V · 140V			
	When outdoor unit is positioned lower	71V	≦ 15m	H	H
		100V · 125V · 140V			
Elevation difference among indoor units			≦ 0.5m	/	h

Single type



Twin type



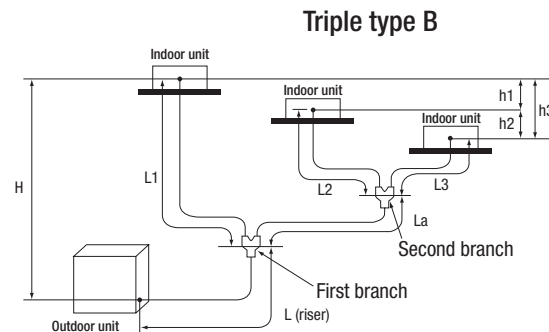
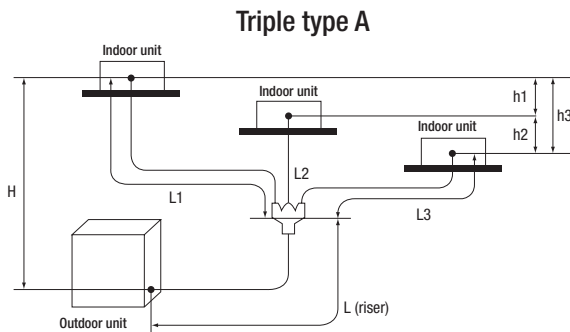
Twin type	
Model for outdoor units	Branch piping set (option)
71V · 100V · 125V · 140V	DIS-WA1

- (1) A riser pipe must be part of the main.
A branching pipe set should be installed horizontally at point as close to an indoor unit as possible.
- (2) Reduce refrigerant amount by according to table below from the factory charge when refrigerant piping is shorter than 3m.

Model for outdoor units	Refrigerant to be reduced
71V · 100V · 125V · 140V	1.0 kg

Limitation on unit and piping installation - triple.

Descriptions	Marks appearing in the drawing			
	Models for outdoor unit	Dimensional limitations	Triple type A	Triple type B
One-way pipe length	140V	≦ 100m	L + L1 + L2 + L3	L + La + L1 + L2 + L3 ※1
Main pipe length	140V	≦ 100m	L	L
One-way pipe length first branching point to indoor units between	140V	≦ 30m	L1, L2, L3	L1 ※1
One-way pipe length between first branching point from and second branching point	140V	≦ 5m		La
One-way pipe length first branching point and indoor units	140V	≦ 27m		La + L2, La + L3 ※1
Piping length difference among piping to indoor units from first branch		< 3m	L1 - L2, L1 - L3, L2 - L3	(not possible)
		3m ≦ ≦ 10m	(not possible)	L1 - (La + L2), L1 - (La + L3) ※1
One-way pipe length difference from second branching point to indoor units		≦ 10m		L2 - L3
Elevation difference between indoor and outdoor	When the outdoor unit is positioned higher	≦ 30m	H	H
	When the outdoor unit is positioned lower	≦ 15m		
Elevation difference among indoor units		≦ 0.5m	h1, h2, h3	h1, h2, h3



Branch piping set (option)

Model for outdoor units	Triple type A	Triple type B	
	Branch piping	First branch	Second branch
140V	DIS-TA1	DIS-WA1	DIS-WA1

- (1) A riser pipe must be part of the main.
A branching pipe set should be installed horizontally at point as close to an indoor unit as possible.
- (2) Reduce refrigerant amount by 1.0kg from the factory charge when refrigerant piping is shorter than 3m.

※1
Install the indoor units so that L + L1 becomes the longest one-way pipe.
Keep the pipe length difference between L1 and (La + L2) or (La + L3) within 10m.

HYPER INVERTER PACKAGED AIR-CONDITIONERS



Air-Conditioning & Refrigeration Systems Headquarters
16-5, 2-chome, Kounan, Minato-ku, Tokyo, 108-8215, Japan
Fax : (03) 6716-5926

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