Manual No. '10 • PAC - DB - 136D



DATA BOOK

140VSXVD

140VSXPVD

HYPER INVERTER PACKAGED AIR-CONDITIONERS

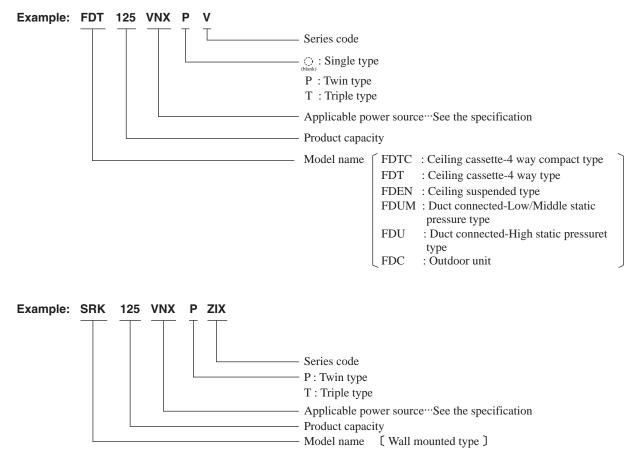
(Spiil System, A	ii to all neat pur	nh iìhe)			
CEILING CASSETT Twin type FDTC71VNXPVD 100VNXPVD 100VSXPVD 125VNXPVD	TE- 4 WAY COMPAC Triple type FDTC140VNXTVD 140VSXTVD		Single type FDUM71VNXVD 100VNXVD 100VSXVD 125VNXVD	Twin type FDUM100VNXPVD 100VSXPVD 125VNXPVD 125VSXPVD	ATIC PRESSURE TYPE Triple type FDUM140VNXTVD 140VSXTVD
125VSXPVD			125VSXVD 140VNXVD 140VSXVD	140VNXPVD 140VSXPVD	
CEILING CASSETT	E- 4 WAY TYPE		DUCT CONNECTE	D-HIGH STATIC PRI	ESSURE TYPE
Single type FDT71VNXVD 100VNXVD 100VSXVD 125VNXVD 125VSXVD 140VNXVD 140VSXVD	Twin type FDT71VNXPVD 100VNXPVD 100VSXPVD 125VNXPVD 125VSXPVD 140VNXPVD 140VSXPVD	Triple type FDT140VNXTVD 140VSXTVD	Single type FDU71VNXVD 100VNXVD 100VSXVD 125VNXVD 125VSXVD 140VNXVD 140VSXVD		
CEILING SUSPEN	DED TYPE		WALL MOUNTED	ТҮРЕ	
Single type	Twin type	Triple type	Twin type	Triple type	
FDEN71VNXVD	FDEN71VNXPVD	FDEN140VNXTVD	SRK100VNXPZIX	SRK140VNXTZIX	
100VNXVD	100VNXPVD	140VSXTVD	100VSXPZIX	140VSXTZIX	
100VSXVD 125VNXVD	100VSXPVD 125VNXPVD		125VNXPZIX 125VSXPZIX		
125VSXVD	125VSXPVD		123V3APZIA		
140VNXVD	140VNXPVD				



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How to read the model name



1. SPECIFICATIONS

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

(a) Twin type Adapted to RoHS directive FDTC71VNXPVD Model Indoor unit FDTC40VD (2 units) Outdoor unit FDC71VNX Panel TC-PSA-25W-E Item 220-240V~50Hz/220V~60Hz Power source 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 8.9 / 9.3 9.7 / 10.2 Α Power factor % 98 98 Inrush current А 5 < Max.running current 17 > Cooling P-Hi: 47 Hi: 42 Me: 36 Lo: 30 Sound Pressure Level dB(A) Cooling: 51 Heating: 48 Heating P-Hi: 47 Hi: 42 Me: 36 Lo: 32 Exterior dimensions Unit $248 \times 570 \times 570$ 750×880 (+88) × 340 mm Height x Width x Depth Panel 35 × 700 × 700 Exterior appearance Plaster White Stucco White (Munsell color) (6.8Y8.9/0.2) near equivalent (4.2Y7.5/1.1) near equivalent Net weight UNIT 15 PANEL 3.5 60 kg Refrigerant equipment **RMT5118MDE2 × 1** _ Compressor type & Q'ty Starting method Direct line start Refrigerant oil 0.675 (M-MA68) l M shape fin & inner grooved tubing Heat exchanger Louver fin & inner grooved tubing Refrigerant control Electronic expansion valve Air handling equipment Turbo fan × 1 Propeller fan × 1 Fan type & Q'ty Motor <Starting method> W 33 < Direct line start > 86 < Direct line start > Cooling P-Hi: 13.5 Hi: 11.5 Me: 9 Lo: 7 Air flow (Standard) CMM Cooling: 60 Heating: 50 Heating P-Hi: 13.5 Hi: 11.5 Me: 9 Lo: 8 External static pressure Pa 0 Outdoor air intake Not possible Air filter. Q'tv Pocket plastic net × 1 (Washable) Shock & vibration absorber Rubber sleeve (for fan motor) Rubber sleeve (for Compressor) Insulation (noise & heat) Polyurethane form W 20 (Crank case heater) Electric heater wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option) Remote controller Room temperature control Thermostat by electronics Overload protection for fan motor Internal thermostat for fan motor Safety equipment Frost protection thermostat Abnormal discharge temperature protection. 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") Installation data mm Refrigerant piping size 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") Flare piping Connecting method Flare piping Max.50m Refrigerant line (one way) length %1.See page 99 Vertical height difference between Max.30m (Outdoor unit is higher) outdoor unit and indoor unit Max.15m (Outdoor unit is lower) Refrigerant Quantity R410A 2.95kg in outdoor unit (incl. the amount for the piping of : 30m) Built-in Drain pump Drain pump Drain Hose Connectable with VP20 Holes size $\phi 20 \times 3pcs$ Insulation for piping Necessary (both Liquid & Gas lines)

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

Standard Accessories

Item	Indoor air t	emperature	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.

Mounting kit, Drain hose

(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 \sim Branch. ②: Pipe of Branch \sim I/U (7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

		Model				DTC100			
ltana		_		or unit FDTC50V Panel TC-PSA-2	. ,		Outdoor unit FDC100VNX		
Item Power sour				Panel IC-PSA-2	5W-E		220-240V-50Hz / 220V-60Hz		
				Cooling			Heating		
Operation d Nominal c		kW	Cooling 10.0 [4.0 (Min.)~11.2 (Max.)]				11.2 [4.0 (Min.) ~ 12.5 (Max.)]		
Power con		kW	10.0 [4.0 (Min.)~11.2 (Max.)] 2.78				3.02		
Running ci	· · ·	A		12.3 / 12.9	1		13.4 / 14.0		
Power fact		%		98			98		
Inrush cur		A		50	5 < Ma	v runnir	ng current 24 >		
IIII USII CUII	ent	~	Cooling	P-Hi:47 Hi:42					
	ssure Level	dB(A)	0	P-Hi : 47 Hi : 42	Me:36 Lo:32		Cooling : 48 Heating : 50		
	/idth x Depth	mm		Unit 248 × 570 Panel 35 × 700	× 700		1,300 × 970 × 370		
Exterior app			(-	Plaster Whit			Stucco White		
(Munsell c	olor)		(6.8	8Y8.9/0.2) near e			(4.2Y7.5/1.1) near equivalent		
Net weight		kg		UNIT 15 PANE	L 3.5		105		
Refrigerant Compress	equipment or type & Q'ty			_			RMT5134MDE2 × 1		
Starting m	ethod			_			Direct line start		
Refrigeran		l		_			0.9 (M-MA68)		
Heat exch			Louve	er fin & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigeran	t control			_	<u> </u>		Electronic expansion valve		
Air handling Fan type 8	equipment Q'ty			Turbo fan ×	1		Propeller fan × 2		
Motor <sta< td=""><td>arting method></td><td>W</td><td colspan="4">33 < Direct line start ></td><td>86 x 2 < Direct line start ></td></sta<>	arting method>	W	33 < Direct line start >				86 x 2 < Direct line start >		
Air flow (St	tandard)	СММ		P-Hi:13.5 Hi:1 ⁻ -Hi:13.5 Hi:11		100			
External st	atic pressure	Pa		0		_			
Outdoor ai	· · ·			Not possibl	e	_			
Air filter, Q	'ty		Pock	et plastic net × 1		_			
	ration absorber			ber sleeve (for f	, ,	Rubber sleeve (for Compressor)			
Insulation (r	ioise & heat)			Polyurethane f	orm		_		
Electric hea	ter	W		_			20 (Crank case heater)		
Remote cor	ntroller			wired :	RC-E4 (option)	wirele	ess : RCN-TC-24W-ER (option)		
Room tem	perature control		TI	hermostat by ele	ctronics		-		
Safety equ	ipment			oad protection fo		Internal thermostat for fan motor			
, ,				ost protection the		Abnormal discharge temperature protection.			
Installation		mm					× 0.8 ① ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
	t piping size		Gas li			× 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connectin	•		Flare piping				Flare piping		
	ne (one way) length				Max.100m		×1 800 0000		
	t difference between and indoor unit				(Outdoor unit is (Outdoor unit is	· ·	%1.See page 99		
Refrigeran	t Quantity			R410A 4.5kg	g (Pre-charged u	up to the	e piping length of 30m) Outdoor unit		
Drain pump				Built-in Drain p	ump		-		
Drain			Hos	se Connectable v	with VP20		Holes size $\phi 20 \times 3pcs$		
Insulation fo	or piping				Necessary	/ (both L	Liquid & Gas lines)		
Standard A	ccessories		Ν	Nounting kit, Dra	in hose	Edging			
Notes	(1) The data are n	neasured	d 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	210	20°C		6°C				
	(2) This packaged		ditioner is manufa	actured and teste	ed in conformity				
	ambient tempe (4) The operation	erature. data ind ecificatio e set "DI	icates when the a ons for one unit. C S-WA1"×1(optior	air-conditioner is Capacity and ope n). (1) : Pipe of O/	operated at 230 ration data is tw $U \sim Branch, 2$)V50Hz vo indoc : Pipe o	or units are combined and run together. of Branch \sim I/U		

		Model				UIC100	Outdoor unit FDC100VSX		
ltere			Indo	oor unit FDTC50V Panel TC-PSA-2	. ,				
Item Power sour	00	\sim		Panel IC-PSA-2	25W-E		380-415V 3N~50Hz / 380V 3N~60Hz		
Operation d			Cooling				Heating		
Nominal c		kW	10.0 [4.0 (Min.)~11.2 (Max.)]				11.2 [4.0 (Min.) ~ 16.0 (Max.)]		
Power con	1 ,	kW	10	2.78	1.2 (Max.)]		3.02		
Running ci		A		4.1 / 4.3			4.4 / 4.7		
Power fact		%		98			99 / 98		
Inrush curr		A		00	5 < Ma	x runnir	ng current 15 >		
Sound Pre	ssure Level	dB(A)	0	P-Hi : 47 Hi : 42 P-Hi : 47 Hi : 42	Me: 36 Lo: 30)	49		
Exterior dim Height x W	nensions /idth x Depth	mm	0	Unit 248 × 570 Panel 35 × 700	× 570		1,300 × 970 × 370		
Exterior app				Plaster Whit	te		Stucco White		
(Munsell c			(6	.8Y8.9/0.2) near e	quivalent		(4.2Y7.5/1.1) near equivalent		
Net weight		kg		UNIT 15 PANE			105		
Refrigerant Compress	equipment or type & Q'ty			_			RMT5134MDE3 × 1		
Starting m	ethod			-			Direct line start		
Refrigeran		l		_			0.9 (M-MA68)		
Heat excha			Louv	er fin & inner groo	oved tubing		M shape fin & inner grooved tubing		
Refrigeran	<u> </u>			_			Electronic expansion valve		
Air handling Fan type 8	equipment Q'ty			Turbo fan ×	1		Propeller fan × 2		
Motor <sta< td=""><td>arting method></td><td>W</td><td></td><td>33 < Direct line s</td><td>start ></td><td>86 x 2 < Direct line start ></td></sta<>	arting method>	W		33 < Direct line s	start >	86 x 2 < Direct line start >			
Air flow (St	tandard)	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 st	atic pressure	Pa	0				-		
Outdoor ai	ir intake			Not possibl	e				
Air filter, Q	'ty		Pocket plastic net × 1 (Washable)				_		
Shock & vib	oration absorber		Ru	bber sleeve (for f	an motor)		Rubber sleeve (for Compressor)		
Insulation (r	noise & heat)			Polyurethane f	form		-		
Electric hea	ter	W		-			20 (Crank case heater)		
Remote cor					(1)	wirele	ess : RCN-TC-24W-ER (option)		
Room tem	perature control			hermostat by ele			-		
Safety equ	ipment			load protection fo			Internal thermostat for fan motor		
				rost protection the		Abnormal discharge temperature protection.			
Installation (data t piping size	mm		· ·			× 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
Connecting			Gas	Flare piping		× 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8") Flare piping			
	ne (one way) length				9 Max.100m				
0	it difference between				Outdoor unit is	higher	*1.See page 99		
5	and indoor unit				(Outdoor unit is	0 /			
Refrigeran						,	e piping length of 30m) Outdoor unit		
Drain pump				Built-in Drain p					
Drain			Ho	se Connectable v	•		Holes size $\phi 20 \times 3pcs$		
Insulation fo	or piping				Necessary	/ (both l	Liquid & Gas lines)		
Standard A	ccessories			Mounting kit, Dra	in hose		Edging		
Notes	(1) The data are n	neasured	d at the following	conditions.					
	Item	Indoor	air temperature	Outdoor air	r 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 (3) Sound pressure ambient temperation (4) The operation 	re level in erature. data ind	ditioner is manun ndicates the valu	factured and teste ie in an anechoic air-conditioner is	ed in conformity chamber. Durin operated at 400	g opera)V50Hz	ation these value are somewhat higher due to : or 380V60Hz.		
	(6) Branching pip	e set "Dl	S-WA1"×1(optic	on). (1) : Pipe of O/ nly 3-speed fan se	U~Branch, ②	: Pipe o			

		Model				DTC125	SVNXPVD		
Itom				unit FDTC60V	. ,		Outdoor unit FDC125VNX		
Item Power source			Pa	anel IC-PSA-2	5W-E		220-240V~50Hz / 220V~60Hz		
Operation data				Cooling			Heating		
Nominal cap		kW	12.5 [5.0 (Min.)~14.0 (Max.)]				14.0 [4.0 (Min.) ~ 17.0 (Max.)]		
Power consu	-	kW		4.10	io (inail)]		4.10		
Running curr	· ·	A		18.2 / 19.0			18.2 / 19.0		
Power factor		%		98			98		
Inrush currer	nt	А			5 < Ma	k.runnir	ng current 26 >		
Sound Press	sure Level	dB(A)	0		Me:39 Lo:30 Me:39 Lo:32		Cooling : 48 Heating : 50		
Exterior dimer Height x Wid		mm		nit 248 × 570 × anel 35 × 700 ×			1,300 × 970 × 370		
Exterior appea	arance			Plaster White	e		Stucco White		
(Munsell cold	or)		(6.8Y	'8.9/0.2) near eo	quivalent		(4.2Y7.5/1.1) near equivalent		
Net weight		kg	ι	JNIT 15 PANE	_ 3.5		105		
Refrigerant eq Compressor				_			RMT5134MDE2 × 1		
Starting meth	hod			—			Direct line start		
Refrigerant o	bil	l		_			0.9 (M-MA68)		
Heat exchan	iger		Louver	fin & inner groc	oved tubing		M shape fin & inner grooved tubing		
Refrigerant c				-			Electronic expansion valve		
Air handling e Fan type & Q				Turbo fan ×	1		Propeller fan × 2		
Motor <start< td=""><td>ting method></td><td>W</td><td>33</td><td>3 < Direct line s</td><td>itart ></td><td></td><td>86 × 2 < Direct line start ></td></start<>	ting method>	W	33	3 < Direct line s	itart >		86 × 2 < Direct line start >		
Air flow (Star	ndard)	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 stati	ic pressure	Pa		0			—		
Outdoor air i	intake		Not possible						
Air filter, Q'ty	y		Pocket plastic net × 1 (Washable)				_		
Shock & vibra	ation absorber			er sleeve (for fa	,		Rubber sleeve (for Compressor)		
nsulation (noi	· · · ·			Polyurethane for	orm		_		
Electric heater		W		_			20 (Crank case heater)		
Remote contro					(1)	wirele	ss : RCN-TC-24W-ER (option)		
Room tempe	erature control			rmostat by elec			_		
Safety equip	oment		Fros	d protection fo t protection the	ermostat		Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation da		mm							
Refrigerant p			Gas line : I/U ϕ 12.7 (1/2") (2) ϕ 12.7 (1/2") ×			(1/2") ×	1		
Connecting r				Flare piping			Flare piping		
Vertical height d	e (one way) length difference between			Max.30m (Max.100m Outdoor unit is	· ·	%1.See page 99		
outdoor unit and					Outdoor unit is	,	a piping longth of 30m) Outdoor unit		
Refrigerant C	audituty			Built-in Drain p		p io ine	e piping length of 30m) Outdoor unit		
Drain pump Drain				Connectable w			Holes size ϕ 20 × 3pcs		
Insulation for p	piping		1056	Sourcestable M		(both I	Liquid & Gas lines)		
Standard Acce			Mc	ounting kit, Drai		UDUIT	Edging		
		16261/000	at the following co						
	,		0		tomporcture				
	Item		air temperature Outdoor air temperature						
-	Operation	DB	WB DB WB 10°C 35°C 24°C						
	Cooling	27°C	19°C	35°C	24°C				
. ,	, , ,	re level ir	20°C ditioner is manufac ndicates the value i				e ISO. tion these value are somewhat higher due to		
(5) (6)) The operation) Indoor unit spe) Branching pipe	data ind ecificatio e set "DI	icates when the air ns for one unit. Ca S-WA1"×1(option). roller is used, only	pacity and oper ① : Pipe of O/I	ration data is tw U \sim Branch, (2) :	o indoc Pipe o	or units are combined and run together. f Branch—I/U		

	Model	FDTC125VSXPVD Indoor unit FDTC60VD (2 units) Outdoor unit FDC125VSX								
				. ,	Outdoor unit FDC125VSX					
Item		Pai	nel TC-PSA-2	5W-E						
Power source						380-415V 3N~50Hz / 380V 3N~60Hz				
Operation data			Cooling			Heating				
Nominal capacity	kW	12.5 [8	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					ng current 15 >				
Sound Pressure Level	dB(A)	U		Me: 39 Lo: 30 Me: 39 Lo: 32		Cooling : 48 Heating : 50				
Exterior dimensions Height x Width x Depth	mm		iit 248 × 570 : nel 35 × 700			1,300 × 970 × 370				
Exterior appearance		(0.0)(0	Plaster Whit			Stucco White				
(Munsell color)			8.9/0.2) near e			(4.2Y7.5/1.1) near equivalent				
Net weight	kg	U	NIT 15 PANE	_ 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 f	in & inner groo	oved 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=""></starting>	W	33 < Direct line start >		line start >		< Direct line start >		86 × 2 < Direct line start >		
Air flow (Standard)	СММ	U	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 p	ocket plastic net × 1 (Washable)							
Shock & vibration absorber			er sleeve (for fa	,		Rubber sleeve (for Compressor)				
Insulation (noise & heat)			Polyurethane f	,		_				
Electric heater	W					20 (Crank case heater)				
Remote controller			wired :	RC-E4 (option)	wirele	ss : RCN-TC-24W-ER (option)				
Room temperature control		Ther	mostat by elec			_				
Safety equipment		Overload protection for fan motor Frost protection thermostat				Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data					(3/8") ×) × 0.8 $(1)\phi$ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")				
Refrigerant piping size	mm				· ,	$(0.8 \ (1.6) \ (0.6)$				
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 Outdoor unit is	· ·	×1.See page 99				
Refrigerant Quantity					,	e piping length of 30m) Outdoor unit				
Drain pump		В	uilt-in Drain p			_				
Drain			Connectable v	· ·		Holes size $\phi 20 \times 3pcs$				
Insulation for piping					(both L	iquid & Gas lines)				
Standard Accessories		Моц	unting kit, Drai	,		Edging				
Notes (1) The data are r	neasure									
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						
(3) Sound pressu ambient temp (4) The operation (5) Indoor unit sp	ire level i erature. data inc ecificatio	licates when the air-	an anechoic conditioner is acity and ope	chamber. During operated at 400 ration data is tw	g opera V50Hz o indoc	tion these value are somewhat higher due to or 380V60Hz. or units are combined and run together.				

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

(b) Triple type

Adapted to RoHS directive

	_	Model	II.	unit EDTOCOV					
Item		_		unit FDTC50VI	. ,		Outdoor unit FDC140VNX		
Power source			Pa	anel TC-PSA-2	SW-E		220-240V~50Hz / 220V~60Hz		
Operation dat				Cooling			Heating		
Nominal car		kW	14.0[5.0 (Min.)~16	0 (Max)]		16.0 [4.0 (Min.) ~ 18.0 (Max.)]		
Power consu	-	kW	14.0 [4.34			4.34		
Running cur		A		19.3 / 20.1			19.3 / 20.1		
Power factor		%		98			98		
Inrush currer	nt	A			5 < Ma	x.runnir	ng current 26 >		
Sound Press	sure Level	dB(A)	0	Hi:47 Hi:42 Hi:47 Hi:42			Cooling : 49 Heating : 52		
Exterior dime Height x Wic		mm		nit 248 × 570 > anel 35 × 700 >			1,300 × 970 × 370		
Exterior appea (Munsell colo			(6.8Y	Plaster White 8.9/0.2) near eo		Stucco White (4.2Y7.5/1.1) near equivalent			
Net weight		kg	ι	JNIT 15 PANEL	_ 3.5		105		
Refrigerant ec Compressor				_			RMT5134MDE2 × 1		
Starting met	hod			_			Direct line start		
Refrigerant of	oil	l		_			0.9 (M-MA68)		
Heat exchan	iger		Louver	fin & inner groo	ved tubing		M shape fin & inner grooved tubing		
Refrigerant o	control			-			Electronic expansion valve		
Air handling e Fan type & C				Turbo fan ×	1	Propeller fan × 2			
Motor <star< td=""><td>rting method></td><td>W</td><td>33</td><td>3 < Direct line s</td><td>tart ></td><td>86 × 2 < Direct line start ></td></star<>	rting method>	W	33	3 < Direct line s	tart >	86 × 2 < Direct line start >			
Air flow (Star	ndard)	СММ	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 stat	tic pressure	Ра		0		_			
Outdoor air i	intake			Not possible)		_		
Air filter, Q'ty	у		Pocket	plastic net × 1	(Washable)		_		
Shock & vibra	ation absorber		Rubb	er sleeve (for fa	n motor)		Rubber sleeve (for Compressor)		
Insulation (noi	ise & heat)			Polyurethane fo	orm		_		
Electric heate	r	W		_			20 (Crank case heater)		
Remote contr					,	wirele	ss : RCN-TC-24W-ER (option)		
Room tempe	erature control		The	rmostat by elec	tronics		_		
Safety equip	oment		Fros	d protection fo t protection the	rmostat		Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation da		mm			, ,	× 0.8 $(1) \phi$ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant p			Gas line			(1/2") ×	0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")		
Connecting				Flare piping			Flare piping		
	e (one way) length difference between			Max.30m (Max.100m Outdoor unit is	0 /	*1.See page 100		
					Outdoor unit is	· · ·	piping longth of 20m) Outdoor with		
Refrigerant (Juaniny					ים נט גוופ	e piping length of 30m) Outdoor unit		
Drain pump Drain				Built-in Drain pu Connectable w			Holes size ϕ 20 × 3pcs		
Insulation for	piping		1056			/ (both I	Liquid & Gas lines)		
Standard Accessories			Mo	unting kit, Drai	,		Edging		
		neasureo	d at the following co	U ,					
	Item		air temperature	1	temperature	1			
	Operation	DB	WB	DB	WB				
-	Cooling	27°C	19°C	35°C	24°C	1			
L	Heating	210	20°C	7°C	6°C	-			
			200	1 10		1			

(6) Branching pipe set "DIS-TA1"×1(option). ①: Pipe of O/U \sim Branch, ②: Pipe of Branch \sim I/U (7) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is available.

	Model	FDTC140VSXTVD Indoor unit FDTC50VD (3 units) Outdoor unit FDC140VSX								
				. ,		Outdoor unit FDC140VSX				
Item		Pa	anel TC-PSA-2	5W-E						
Power source						380-415V 3N~50Hz / 380V 3N~60Hz				
Operation data						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 < Ma	k.runnir	ng current 15 >				
Sound Pressure Level	dB(A)	0		Me:36 Lo:30 Me:36 Lo:32		Cooling : 49 Heating : 52				
Exterior dimensions Height x Width x Depth	mm		nit 248 × 570 : anel 35 × 700 :			1,300 × 970 × 370				
Exterior appearance			Plaster Whit	e		Stucco White				
(Munsell color)		(6.8Y	8.9/0.2) near e	quivalent		(4.2Y7.5/1.1) near equivalent				
Net weight	kg	U	INIT 15 PANE	_ 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	Ť	Louver	fin & inner groo	oved tubina		M shape fin & inner grooved tubing				
Refrigerant control		200701				Electronic expansion valve				
Air handling equipment			_							
Fan type & Q'ty			Turbo fan ×			Propeller fan × 2				
Motor <starting method=""></starting>	W		B < Direct line s			86 × 2 < Direct line start >				
Air flow (Standard)	СММ	0	bling P-Hi:13.5 Hi:11.5 Me:9 Lo:7 tting 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		Rubb	er sleeve (for fa	an motor)		Rubber sleeve (for Compressor)				
Insulation (noise & heat)			Polyurethane for	orm		-				
Electric heater	W		_			20 (Crank case heater)				
Remote controller			wired :	RC-E4 (option)	wirele	ss : RCN-TC-24W-ER (option)				
Room temperature control		The	rmostat by elec	otronics		_				
Safety equipment			d protection fo t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data		Liquid lir	ne : I/U ϕ 6.35	(1/4") ② <i>ϕ</i> 9.52	(3/8") ×	× 0.8 ① φ 9.52 (3/8") × 0.8 Ο/U φ 9.52 (3/8")				
Refrigerant piping size	mm			, ,	× 0.8 ① <i>φ</i> 15.88 (5/8") ×1.0 O/U <i>φ</i> 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 Outdoor unit is	· ·	×1.See page 100				
Refrigerant Quantity			R410A 4.5kg	(Pre-charged u	p to the	e piping length of 30m) Outdoor unit				
Drain pump		E	Built-in Drain p			_				
Drain			Connectable v			Holes size $\phi 20 \times 3pcs$				
Insulation for piping					(both L	Liquid & Gas lines)				
Standard Accessories		Мо	unting kit, Drai	,		Edging				
Notes (1) The data are r	neasure									
Item	Item Indoor air temperature Outdoor air temperature									
Operation	Operation DB WB DB WB									
Cooling	27°C	19°C	35°C	24°C						
Heating		20°C	7°C	6°C						
(3) Sound pressu ambient temp(4) The operation(5) Indoor unit sp	re level i erature. data inc ecificatio	licates when the air-	n an anechoic -conditioner is pacity and ope	chamber. During operated at 400 ration data is th	g opera IV50Hz ree indo	tion these value are somewhat higher due to or 380V60Hz. oor units are combined and run together.				

(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

	Model		FDT71VNXVD						
		Ir	ndoor unit FDT	71VD		Outdoor unit FDC71VNX			
Item		F	anel T-PSA-3	AW-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		2.04			1.94			
Running current	A		9.1 / 9.5			8.7 / 9.0			
Power factor	%		98			98			
Inrush current	A			5 < Ma	x.runnir	ng current 17 >			
Sound Pressure Level	dB(A)	P-Hi : 4	6 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			Plaster Whi	te		Stucco White			
(Munsell color)		(6.8)	′8.9/0.2) near e	equivalent		(4.2Y7.5/1.1) near equivalent			
Net weight	kg	ι	JNIT 24 PANE	L 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 gro	oved tubing		M shape fin & inner grooved tubing			
Refrigerant control						Electronic expansion valve			
Air handling equipment Fan type & Q'ty			– Turbo fan × 1			Propeller fan x 1			
Motor <starting method=""></starting>	w	50) < Direct line	start >		86 <direct line="" start=""></direct>			
Air flow (Standard)	CMM	P-Hi : 2	8 Hi:21 Me	: 19 Lo : 17		Cooling : 60 Heating : 50			
External static pressure	Pa		0			_			
Outdoor air intake			Possible		_				
Air filter, Q'ty		Pocket	Pocket plastic net × 1 (Washable)		_				
Shock & vibration absorber			er sleeve (for f	. ,		Rubber sleeve (for Compressor)			
Insulation (noise & heat)			Polyurethane	,					
Electric heater	W		roryurethane	IOIIII		20 (Crank case heater)			
Remote controller	••		wire	d · BC_E4 (option) wire	eless : RCN-T-36W-E (option)			
Room temperature control		The			i) wire				
Safety equipment		Overloa	Thermostat by electronics Overload protection for fan motor Frost protection thermostat			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data		•			Pipe	φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")			
Refrigerant piping size	mm		Gas line :	I/U φ 15.88 (5/8		φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connecting method			Flare pipin			Flare piping			
Refrigerant line (one way) length				Max.50m					
Vertical height difference between			Max.30m	(Outdoor unit is	hiaher)	*1.See page 99			
outdoor unit and indoor unit				(Outdoor unit is	5.7				
Refrigerant Quantity				-		the amount for the piping of : 30m)			
Drain pump			Built-in Drain p	•	, .	-			
Drain			Connectable	•		Holes size $\phi 20 \times 3pcs$			
Insulation for piping				(both I	Liquid & Gas lines)				
Standard Accessories Mounting kit,		ounting kit. Dra	,	\~0011L					
Notes (1) The data are r	neasured		-			1			
Item	Indoor	air temperature	Outdoor air	temperature					
Operation	ation DB WB DB WB								
Cooling	27°C	19°C							
Heating		20°C	7℃	6°C					
(2) This packaged (3) Sound pressu ambient temp	re level iı erature.	ditioner is manufac ndicates the value i icates when the air	n an anechoic	chamber. During	g opera	tion these value are somewhat higher due to			

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

	Model								
	ļ		door unit FDT1			Outdoor unit FDC100VNX			
Item		P	anel T-PSA-3A	W-E					
Power source						220-240V~50Hz / 220V~60Hz			
Operation data			Cooling			Heating			
Nominal capacity	kW	10.0 [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	Α			5 < Ma	ıx.runnir	ng current 24 >			
Sound Pressure Level	dB(A)	P-Hi : 5	1 Hi:40 Me:	37 Lo:35		Cooling : 48 Heating : 50			
Exterior dimensions Height x Width x Depth	mm		nit 298 × 840 × anel 35 × 950 ×			1,300 × 970 × 370			
Exterior appearance (Munsell color)		(6.8Y	Plaster White 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent			
Net weight	kg	l	JNIT 27 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 groc	wed tubing		M shape fin & inner grooved tubing			
Refrigerant control				,,ou tubiliy		Electronic expansion valve			
Air handling equipment									
Fan type & Q'ty			Turbo fan ×	-		Propeller fan × 2			
Motor <starting method=""></starting>	W		0 < Direct line s			86 x 2 < Direct line start >			
Air flow (Standard)	CMM	P-Hi : 3	7 Hi:27 Me:	24 Lo:20	100				
External static pressure	Pa		0			_			
Outdoor air intake			Possible			_			
Air filter, Q'ty			plastic net × 1	. ,		_			
Shock & vibration absorber		Rubb	er sleeve (for fa	an motor)		Rubber sleeve (for Compressor)			
Insulation (noise & heat)			Polyurethane for	orm					
Electric heater	W		_			20 (Crank case heater)			
Remote controller			wired	: RC-E4 (option	n) wire	eless : RCN-T-36W-E (option)			
Room temperature control		The	rmostat by elec	stronics		_			
Safety equipment			d protection fo t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data	mm		Liquid line : I	/U) Pipe	φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")			
Refrigerant piping size			Gas line : I	/U φ15.88 (5/8	e \$\phi\$ 15.88 (5/8") \$\times\$ 1.0 \$\O/U\$ \$\phi\$ 15.88 (5/8")				
Connecting method			Flare piping			Flare piping			
Refrigerant line (one way) length				Max.100m					
Vertical height difference between				Outdoor unit is	• •	×1.See page 99			
outdoor unit and indoor unit			Max.15m (Outdoor unit is	lower)				
Refrigerant Quantity		ļ	R410A 4.5k	g in outdoor un	nit (incl.	the amount for the piping of : 30m)			
Drain pump		F	Built-in Drain pu	ump		_			
Drain		Hose	Connectable w	/ith VP20		Holes size $\phi 20 \times 3pcs$			
Insulation for piping		ļ		,	/ (both L	Liquid & Gas lines)			
Standard Accessories		Мо	unting kit, Drai	n hose		Edging			
Notes (1) The data are n	neasured	at the following co	onditions.						
Item	Indoor	air temperature	Outdoor air	temperature					
Operation	DB	WB	DB	WB					
Cooling	27°C 19°C 35°C 24°C								
Heating									
	Lain					- 100			
(3) Sound pressu ambient temp(4) The operation	re level ir erature. data ind	ditioner is manufact ndicates the value in licates when the air- roller is used, only 3	n an anechoic o -conditioner is o	chamber. During	g opera [.])V50Hz	tion these value are somewhat higher due to or 220V60Hz.			

	Model								
			door unit FDT1			Outdoor unit FDC100VSX			
Item		F	Panel T-PSA-3 A	W-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 < Ma	ax.runnir	ng current 15 >			
Sound Pressure Level	dB(A)	P-Hi : 5	51 Hi:40 Me:	37 Lo:35		Cooling : 48 Heating : 50			
Exterior dimensions Height x Width x Depth	n mm		Init 298 × 840 : anel 35 × 950 :			1,300 × 970 × 370			
Exterior appearance			Plaster Whit	e		Stucco White			
(Munsell color)		(6.8)	(8.9/0.2) near e	quivalent		(4.2Y7.5/1.1) near equivalent			
Net weight	kg	l	JNIT 27 PANE	_ 5.5		105			
Refrigerant equipment Compressor type & Q't	ty		_			RMT5134MDE3 × 1			
Starting method			_			Direct line start			
Refrigerant oil	e		_			0.9 (M-MA68)			
Heat exchanger		Louver	fin & inner groo	oved tubing		M shape fin & inner grooved tubing			
Refrigerant control			_			Electronic expansion valve			
Air handling equipment									
Fan type & Q'ty			Turbo fan ×	-		Propeller fan × 2			
Motor <starting metho<="" td=""><td></td><td></td><td>10 < Direct line :</td><td></td><td></td><td>86 x 2 < Direct line start ></td></starting>			10 < Direct line :			86 x 2 < Direct line start >			
Air flow (Standard)	CMM	P-Hi : 3	37 Hi:27 Me:	24 Lo:20	100				
External static pressure	e Pa		0			_			
Outdoor air intake			Possible			_			
Air filter, Q'ty		Pocket	plastic net × 1	(Washable)	_				
Shock & vibration absorl	ber	Rubb	per sleeve (for fa	an motor)		Rubber sleeve (for Compressor)			
Insulation (noise & heat)			Polyurethane for	orm		_			
Electric heater	W		-			20 (Crank case heater)			
Remote controller			wired	: RC-E4 (optio	n) wire	less : RCN-T-36W-E (option)			
Room temperature con	ntrol	The	ermostat by elec	ctronics		_			
Safety equipment			ad protection fo at protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data			Liquid line : I	/U ϕ 9.52 (3/8") Pipe	φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")			
Refrigerant piping size	mm		Gas line : I	/U <i>ф</i> 15.88 (5/8	8") Pipe	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connecting method			Flare piping	1		Flare piping			
Refrigerant line (one way) le	ength			Max.100m					
Vertical height difference bet	ween		Max.30m (Outdoor unit is	higher)	※1.See page 99			
outdoor unit and indoor unit	t		Max.15m (Outdoor unit is	lower)				
Refrigerant Quantity			R410A 4.5k	g in outdoor ur	nit (incl.	the amount for the piping of : 30m)			
Drain pump			Built-in Drain p	ump					
Drain		Hose	Connectable v	vith VP20		Holes size $\phi 20 \times 3pcs$			
Insulation for piping				Necessar	y (both L	_iquid & Gas lines)			
Standard Accessories		Mo	ounting kit, Drai	n hose		Edging			
Notes (1) The data	are measured	at the following co	onditions.						
Item	Indoor	air temperature	Outdoor air	temperature]				
Operation	_	WB	DB	WB	1				
Cooling	27°C	19°C	35°C	24°C	1				
Heating	2,0	20°C	7°C	6°C					
			1		1				
(3) Sound pre ambient to (4) The opera	essure level in emperature. ation data ind	ditioner is manufac ndicates the value i icates when the air roller is used, only	n an anechoic o	chamber. Durin	g opera)V50Hz	tion these value are somewhat higher due to or 380V60Hz.			

	_	Model	FDT125VNXVD							
			Inc	door unit FDT1	25VD		Outdoor unit FDC125VNX			
Item			P	anel T-PSA-3 A	W-E					
Power source	се						220-240V~50Hz / 220V~60Hz			
Operation d	lata			Cooling			Heating			
Nominal c	apacity	kW	12.5 [[5.0 (Min.)~14.0 (Max.)]			14.0 [4.0 (Min.)~17.0 (Max.)]			
Power con	sumption	kW		3.28			3.43			
Running cu	urrent	A		14.6 / 15.2			15.2 / 15.9			
Power fact	tor	%		98			98			
Inrush curr	rent	A			5 < Ma	ax.runnir	ng current 26 >			
Sound Pre	ssure Level	dB(A)	P-Hi : 5	1 Hi:42 Me:	40 Lo:37		Cooling: 48 Heating: 50			
Exterior dim Height x W	ensions /idth x Depth	mm		nit 298 × 840 × 840 anel 35 × 950 × 950			1,300 × 970 × 370			
Exterior app (Munsell co			(6.8V	Plaster Whit 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent			
Net weight		kg	,	INIT 27 PANE	•		105			
•		ĸġ	Ĺ	INIT 27 FANEL	_ 5.5		105			
Refrigerant Compress	equipment or type & Q'ty			-			RMT5134MDE2 × 1			
Starting m				_			Direct line start			
Refrigerant	t oil	l		-		0.9 (M-MA68)				
Heat excha	anger		Louver	fin & inner groo	oved tubing	M shape fin & inner grooved tubing				
Refrigerant	t control			_		Electronic expansion valve				
Air handling Fan type &	equipment Q'ty			Turbo fan ×	1	Propeller fan × 2				
Motor <st< td=""><td>arting method></td><td>W</td><td>14</td><td>0 < Direct line :</td><td>start ></td><td>86 × 2 < Direct line start ></td></st<>	arting method>	W	14	0 < Direct line :	start >	86 × 2 < Direct line start >				
Air flow (St		CMM	P-Hi : 3	7 Hi:30 Me:	27 Lo:23	100				
	atic pressure	Pa		0		_				
Outdoor ai				Possible		_				
Air filter, Q			Pocket	plastic net × 1	(Washable)	_				
,	ration absorber			er sleeve (for fa	, ,	Rubber sleeve (for Compressor)				
	ioise & heat)			Polyurethane for	,					
Electric hea	,	w		_			20 (Crank case heater)			
Remote con	ntroller			wired	: RC-E4 (optio	n) wire	eless : RCN-T-36W-E (option)			
	perature control		The	mostat by elec		/	-			
Safety equ			Overloa	d protection fo	r fan motor		Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation of	data		1100	1	/U φ9.52 (3/8"	$\phi 9.52 (3/8") \times 0.8 O/U \phi 9.52 (3/8")$				
	t piping size	mm					$\phi \phi 15.88 (5/8") \times 1.0 O/U \phi 15.88 (5/8")$			
Connecting				Flare piping		Flare piping				
	ine (one way) length				Max.100m					
•	nt difference between				Outdoor unit is	higher	*1.See page 99			
0	and indoor unit				Outdoor unit is	0 /				
Refrigerant						,	the amount for the piping of : 30m)			
Drain pump				Built-in Drain p	<u> </u>	(
Drain pump Drain				Connectable v			Holes size $\phi 20 \times 3pcs$			
Insulation fo	or piping		1056		_	/ (hoth I	Liquid & Gas lines)			
Standard Ad			Mo	unting kit, Drai		, (50011	Edging			
		neasurec	l at the following co							
[Item	Indoor	air temperature	Outdoor air	temperature]				
	Operation	DB	WB	DB	WB	1				
	Cooling	27°C	19°C	35°C	24°C					
	Heating	0	20°C	7°C	6°C					
(l air-con	ditioner is manufact	-) with the	e ISO.			
	(3) Sound pressur to ambient ten	re level ir nperature	ndicates the value in e.	n an anechoic d	chamber. Durin	g opera	tion these value are somewhat higher due			
			icates when the air- roller is used, only (

	Model		FDT125VSXVD							
		In	door unit FDT 1	125VD	Outdoor unit FDC125VSX					
Item		P	anel T-PSA-3	AW-E						
Power source						380-415V 3N~50Hz / 380V 3N~60Hz				
Operation data			Cooling			Heating				
Nominal capacity	kW	12.5 [5.0 (Min.) ~ 14	1.0 (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 < Ma	ıx.runnir	ng current 15 >				
Sound Pressure Level	dB(A)	P-Hi : 5	1 Hi:42 Me	: 40 Lo : 37		Cooling : 48 Heating : 50				
Exterior dimensions Height x Width x Depth	mm		nit 298 × 840 × 840 anel 35 × 950 × 950			1,300 × 970 × 370				
Exterior appearance			Plaster Whit	te		Stucco White				
(Munsell color)		(6.8Y	8.9/0.2) near e	quivalent		(4.2Y7.5/1.1) near equivalent				
Net weight	kg		JNIT 27 PANE	L 5.5		105				
Refrigerant equipment Compressor type & Q'ty			_			RMT5134MDE3 × 1				
Starting method			_		Direct line start					
Refrigerant oil	e		_			0.9 (M-MA68)				
Heat exchanger		Louver		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=""></starting>	hod> W 140 < Direct line start >					86 × 2 < Direct line start >				
Air flow (Standard)	CMM	P-Hi : 37 Hi : 30 Me : 27 Lo : 23				100				
, ,	Pa	F-NI: 3		. 21 LU.23	-					
External static pressure	га		Possible							
Outdoor air intake Air filter, Q'ty		Pocket plastic net × 1 (Washable)								
						- Pubber alcove /fee Compression				
Shock & vibration absorber				,	Rubber sleeve (for Compressor)					
Insulation (noise & heat)			Polyurethane f	orm						
Electric heater	W		-			20 (Crank case heater)				
Remote controller					n) wire	reless : RCN-T-36W-E (option)				
Room temperature control			rmostat by ele		—					
Safety equipment			t protection for	ermostat	<u> </u>	Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data	mm			I/U φ 9.52 (3/8"	$\phi = \phi = 0.52 (3/8") \times 0.8 O/U \phi = 0.52 (3/8")$					
Refrigerant piping size					ipe \(\phi 15.88 \(5/8''\) \times 1.0 \(O/U \(\phi 15.88 \(5/8''\) \)					
Connecting method			Flare piping	,		Flare piping				
Refrigerant line (one way) length				Max.100m						
Vertical height difference between				(Outdoor unit is	0 /	×1.See page 99				
outdoor unit and indoor unit				(Outdoor unit is	,					
Refrigerant Quantity				•	nit (incl.	the amount for the piping of : 30m)				
Drain pump			Built-in Drain p			-				
Drain		Hose	Connectable v			Holes size $\phi 20 \times 3pcs$				
Insulation for piping				-	/ (both l	Liquid & Gas lines)				
Standard Accessories		Mo	unting kit, Dra	in hose		Edging				
Notes (1) The data are r										
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						
(3) Sound pressu ambient temp	re level ir erature. data indi	icates when the air-	n an anechoic -conditioner is	chamber. Durin	g opera)V50Hz	tion these value are somewhat higher due to or 380V60Hz.				

	Model		FDT140VNXVD							
	[In	door unit FDT1 4	Outdoor unit FDC140VNX						
Item		P	anel T-PSA-3A	W-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		4.19			4.20				
Running current	А		18.6 / 19.4			18.6 / 19.5				
Power factor	%		98			98				
Inrush current	A			5 < Ma	k.runnir	ng current 26 >				
Sound Pressure Level	dB(A)	P-Hi : 5	1 Hi:43 Me:		Cooling : 49 Heating : 52					
Exterior dimensions Height x Width x Depth	mm		Unit 298 × 840 × 840 Panel 35 × 950 × 950			1,300 × 970 × 370				
Exterior appearance (Munsell color)		(6.8)	Plaster White 8.9/0.2) near ec			Stucco White (4.2Y7.5/1.1) near equivalent				
, ,	ka									
Net weight	kg	ι	JNIT 27 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	1	Propeller fan × 2					
Motor <starting method=""></starting>	<pre><starting method=""> W 140 < Direct line start ></starting></pre>					86 × 2 < Direct line start >				
Air flow (Standard)	· · · · · · · · · · · · · · · · · · ·					100				
External static pressure	Pa		0		_					
Outdoor air intake		Possible				_				
Air filter, Q'ty						_				
Shock & vibration absorber						Rubber sleeve (for Compressor)				
Insulation (noise & heat)		Polyurethane fo	,							
Electric heater	· · · · · · · · · · · · · · · · · · ·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		20 (Crank case heater)				
Remote controller			wired	· BC-E4 (option	eless : RCN-T-36W-E (option)					
Room temperature control		The	rmostat by elec							
Safety equipment		Overloa	d protection for	r fan motor	Internal thermostat for fan motor Abnormal discharge temperature protection.					
		1105								
Installation data Refrigerant piping size	mm			I/U φ 9.52 (3/8")	ipe φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8") ipe φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")					
				φ 15.66 (5/8	, Pipe					
Connecting method			Flare piping	Aay 100		Flare piping				
Refrigerant line (one way) length				Max.100m		*1.See page 99				
Vertical height difference between				Outdoor unit is		21.3ee paye 33				
outdoor unit and indoor unit			,	Outdoor unit is	,					
Refrigerant Quantity				0	τ (INCI. 1	the amount for the piping of : 30m)				
Drain pump			Built-in Drain pu	•		-				
Drain		Hose	Connectable w		a	Holes size $\phi 20 \times 3pcs$				
Insulation for piping					(both L	Liquid & Gas lines)				
Standard Accessories			unting kit, Drair	n hose		Edging				
Notes (1) The data are n	neasurec	at the following co	onditions.							
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						
	l air ann				with th	0.150				
	re level ir	ditioner is manufac ndicates the value i				e ISO. tion these value are somewhat higher due to				

	Model				OVSXVD		
			door unit FDT1			Outdoor unit FDC140VSX	
Item		F	anel T-PSA-3A	W-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 < Ma	x.runnir	ng current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 5	51 Hi:43 Me:	41 Lo:38		Cooling : 49 Heating : 52	
Exterior dimensions Height x Width x Depth	mm		Init 298 × 840 > anel 35 × 950 >			1,300 × 970 × 370	
Exterior appearance (Munsell color)		(6.8)	Plaster White 8.9/0.2) near eo			Stucco White (4.2Y7.5/1.1) near equivalent	
Net weight	kg	`	JNIT 27 PANEL	•		105	
	Ng			. 0.0		100	
Refrigerant equipment Compressor type & Q'ty			-		RMT5134MDE3 × 1		
Starting method			_			Direct line start	
Refrigerant oil	l		_			0.9 (M-MA68)	
Heat exchanger	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						Propeller fan × 2	
Motor <starting method=""></starting>	14	0 < Direct line s	tart >		86 × 2 < Direct line start >		
Air flow (Standard)	r flow (Standard) CMM P-Hi : 37 Hi : 30 Me : 27 Lu					100	
External static pressure	Pa					_	
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 for	,			
Electric heater	w					20 (Crank case heater)	
Remote controller			wired	· BC-F4 (optio	n) wire	less : RCN-T-36W-E (option)	
Room temperature control		The	ermostat by elec		ii) Wii0		
Safety equipment		Overloa	ad protection for st protection the	r fan motor	Internal thermostat for fan motor Abnormal discharge temperature protection.		
		1108			$pe \phi 9.52 (3/8") \times 0.8 O/U \phi 9.52 (3/8")$		
Installation data	mm			I/U φ 9.52 (3/8"	pe ϕ 15.88 (5/8") × 1.0 O/U ϕ 15.88 (5/8")		
Refrigerant piping size				ν U φ 15.88 (5/8) ripe		
Connecting method			Flare piping	4 100		Flare piping	
Refrigerant line (one way) length				Max.100m		*1.See page 99	
Vertical height difference between				Outdoor unit is Outdoor unit is		21.000 paye 33	
outdoor unit and indoor unit					,	the encount for the pining of (00)	
Refrigerant Quantity				5	nı (ili)Cl.	the amount for the piping of : 30m)	
Drain pump			Built-in Drain pu	· ·			
Drain		Hose	Connectable w		. //	Holes size $\phi 20 \times 3pcs$	
Insulation for piping					/ (both l	Liquid & Gas lines)	
Standard Accessories			ounting kit, Drain	I HOSE		Edging	
Notes (1) The data are r	neasurec	I at the following co	onditions.				
Item	Indoor	air temperature	Outdoor air	emperature			
Operation	DB	WB	DB	WB			
Cooling	27°C	19°C	35°C	24°C			
Heating		20°C	7°C	6°C			
(2) This packaged (3) Sound pressu ambient temp	re level ir erature.	ditioner is manufac	tured and tested n an anechoic c	d in conformity hamber. Durin	g opera	tion these value are somewhat higher due to	

(b) Twin type

	_	Model		FDT71VNXPVD							
			Indoc	or unit FDT40VE) (2 units)		Outdoor unit FDC71VNX				
Item			F	Panel T-PSA-3 A	W-E						
Power sour	се						220-240V~50Hz / 220V~60Hz				
Operation d	lata			Cooling		Heating					
Nominal c	apacity	kW	7.1	[3.2 (Min.)~8.0	0 (Max.)]	8.0 [3.6 (Min.)~9.0 (Max.)]					
Power cor	sumption	kW		1.85			1.99				
Running c	urrent	A		8.3 / 8.6			8.9 / 9.3				
Power fact	tor	%		98			98				
Inrush curi	rent	A			5 < Ma	ax.runnir	ng current 17 >				
Sound Pre	ssure Level	dB(A)	P-Hi : 3	39 Hi:33 Me:	31 Lo:30		Cooling : 51 Heating : 48				
Exterior dim Height x W	ensions /idth x Depth	mm	-	Jnit 246 × 840 × Panel 35 × 950 ×		750 × 880 (+88) × 340					
Exterior app	bearance			Plaster Whit	е	Stucco White					
(Munsell c	olor)		(6.8)	Y8.9/0.2) near e	quivalent		(4.2Y7.5/1.1) near equivalent				
Net weight		kg		UNIT 22 PANE	5.5		60				
Refrigerant Compress	equipment or type & Q'ty			_		RMT5118MDE2 × 1					
Starting m	ethod			_			Direct line start				
Refrigeran	t oil	l		_		0.675 (M-MA68)					
Heat exch	anger		Louver	fin & inner groo	wed tubing	M shape fin & inner grooved tubing					
Refrigeran	t control			_		Electronic expansion valve					
Air handling Fan type 8	equipment Q'ty	Turbo fan × 1				Propeller fan x 1					
	tarting method>	W	V 50 < Direct line start >				86 <direct line="" start=""></direct>				
Air flow (S		CMM	P-Hi : 2	20 Hi:18 Me:	16 Lo:14	Cooling : 60 Heating : 50					
	atic pressure	Pa		0							
Outdoor a	•			Possible			_				
Air filter, Q			Pocket	plastic net × 1	(Washable)	_					
Shock & vib	ration absorber		Rubł	ber sleeve (for fa	an motor)	Rubber sleeve (for Compressor)					
Insulation (r	oise & heat)		Polyurethane form				_				
Electric hea	ter	W	_				20 (Crank case heater)				
Remote cor	ntroller			wired	: RC-E4 (optio	wireless : RCN-T-36W-E (option)					
Room tem	perature control		The	ermostat by elec	tronics		_				
Safety equ	lipment			ad protection fo			Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation	data			•		(3/8") ×	< 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")				
	t piping size	mm									
Connectin				Flare piping		. , ,	Flare piping				
	ine (one way) length	1			Max.50m						
Vertical height difference between outdoor unit and indoor unit					Outdoor unit is Outdoor unit is	· ·	×1.See page 99				
Refrigeran							the amount for the piping of : 30m)				
Drain pump				Built-in Drain p	<u> </u>	,					
Drain			Hose	e Connectable v	vith VP20		Holes size $\phi 20 \times 3pcs$				
Insulation fo	or piping					y (both l	Liquid & Gas lines)				
Standard A		1	Mr	ounting kit, Drai			_				
Notes	(1) The data are	measurec	at the following co		1	1	1				
	Item	Indoor	air temperature	Outdoor air	temperature						
	Operation	DB	WB	DB	WB						

19°C

27°C

20°C

Cooling

Heating

 (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.

24°C

6°C

(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.

35°C

7°℃

	Model	Indoc	or unit FDT50V	VNXPVD Outdoor unit FDC100VNX					
Item	_		Panel T-PSA-3	. ,					
Power source					220-240V~50Hz / 220V~60Hz				
Operation data			Cooling			Heating			
Nominal capacity	kW	10.0	[4.0 (Min.)~1	1.2 (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 < M	ax.runnir	ng 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		Jnit 246 × 840 Panel 35 × 950		1,300 × 970 × 370				
Exterior appearance (Munsell color)		(6.8)	Plaster Whi Y8.9/0.2) near e		Stucco White (4.2Y7.5/1.1) near equivalent				
Net weight	kg		UNIT 22 PANE	L 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	r fin & inner gro	oved 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=""></starting>	ing 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	t plastic net × 1	(Washable)					
ock & vibration absorber Rubber sleeve (for fan moto				an motor)		Rubber sleeve (for Compressor)			
Insulation (noise & heat)) Polyurethane form W –					_			
Electric heater		-			20 (Crank case heater)				
Remote controller				on) wire	less : RCN-T-36W-E (option)				
Room temperature control		ermostat by ele		_					
Safety equipment		Fro	ad protection for st protection th	ermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data	mm		·	<u> </u>	$0.8 ext{ } ext{ } $				
Refrigerant piping size		Gas lin			0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")				
Connecting method			Flare pipin	•	Flare piping				
Refrigerant line (one way) length				Max.100m	¥1 000 00				
Vertical height difference between				(Outdoor unit is	0 /	%1.See page 99			
outdoor unit and indoor unit				(Outdoor unit is	,				
Refrigerant Quantity				<u> </u>	up to the	e piping length of 30m) Outdoor unit			
Drain pump		11	Built-in Drain p						
Drain		HOSE	e Connectable		v (both !	Holes size $\phi 20 \times 3pcs$			
Insulation for piping Standard Accessories		N A	ounting kit, Dra		y (μοτη L	Liquid & Gas lines) Edaina			
Exterior dimensions		IVI	PJF000Z04			Edging PCA001Z569			
Electrical wiring			PJF000Z04			PCA0012509			
Notes (1) The data are n	1 negeurod	at the following of		•		1 0/10012070			
			1		1				
Item		air temperature	1	temperature	-				
				WB	-				
Cooling	27°C	19°C	35°C	24°C	-				
Heating		20°C	7°C	6°C					
(3) Sound pressu ambient temp(4) The operation	re level ir erature. data indi ecificatio	cates when the air ns for one unit. Ca	in an anechoic r-conditioner is	operated at 23	ig operat 0V50Hz vo indoo	tion these value are somewhat higher due to			

	Model	Indee	or unit FDT50V		FDT100V	Outdoor unit FDC100VSX		
Item			Panel T-PSA-3					
Power source						380-415V 3N~50Hz / 380V 3N~60Hz		
Operation data			Cooling			Heating		
Nominal capacity	kW	10.0	[4.0(Min.)~1	1.2 (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 < Ma	ax.running	g current 15 >		
Sound Pressure Level	dB(A)	P-Hi : S	39 Hi:33 Me			Cooling: 48 Heating: 50		
Exterior dimensions Height x Width x Depth	mm	ι	Jnit 246 × 840 Panel 35 × 950	× 840		1,300 × 970 × 370		
Exterior appearance			Plaster Whi	ite		Stucco White		
(Munsell color)		(6.8)	(8.9/0.2) near (equivalent		(4.2Y7.5/1.1) near equivalent		
Net weight	kg	ι	JNIT 22 PAN	EL 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 gro	oved 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=""></starting>	W	5	0 < Direct line	start >		86 x 2 < Direct line start >		
Air flow (Standard)	CMM	P-Hi : 2	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	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	te controller wired : RC-E4 (option) wi				n) wirele	ess : RCN-T-36W-E (option)		
Room temperature control		The	ermostat by ele	ectronics		_		
Safety equipment			ad protection f st protection th			Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation data		Liquid	line : $I/U \phi 6.35$	i (1/4") ②φ9.52	2 (3/8") ×	0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")		
Refrigerant piping size	mm	Gas lin	e : I/U φ 12.7	' (1/2") ②φ12.7	7 (1/2") ×	0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")		
Connecting method			Flare pipin			Flare piping		
Refrigerant line (one way) length				Max.100m	1			
Vertical height difference between outdoor unit and indoor unit				(Outdoor unit is Outdoor unit is	5.7	×1.See page 99		
Refrigerant Quantity			R410A 4.5k	g (Pre-charged)	up to the	piping length of 30m) Outdoor unit		
Drain pump			Built-in Drain p	oump				
Drain		Hose	Connectable	with VP20		Holes size ϕ 20 × 3pcs		
Insulation for piping				Necessar	y (both Li	quid & Gas lines)		
Standard Accessories		M	ounting kit, Dra	ain hose		Edging		
Exterior dimensions			PJF000Z04	45		PCA001Z569		
Electrical wiring			PJF000Z19	90		PCA001Z571		
Notes (1) The data are n	neasured	at the following co	onditions.					
Item	Indoor	air temperature	Outdoor air	r temperature	1			
Operation	DB	WB	DB	WB	1			
Cooling	27°C	19°C	35°C	24°C	-			
Heating	210	20°C	7°C	6°C	{			
 (2) This packaged (3) Sound pressure (3) ambient temperation (4) The operation 	e level in erature. data indi	litioner is manufac dicates the value i cates when the air	tured and test n an anechoic -conditioner is	ed in conformity chamber. During operated at 400	g operatio 0V50Hz o	on these value are somewhat higher due to		

Item Power source Operation data		Indoo	r unit FDT60VI		_				
Power source				J (2 units)	Outdoor unit FDC125VNX				
		F	Panel T-PSA-3	AW-E					
Operation data						220-240V~50Hz / 220V~60Hz			
			Cooling						
Nominal capacity	kW	12.5	[5.0 (Min.)~14	1.0 (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 Inrush current	% A		98	5 - Ma	98 98 98 98 98 98 98 98 98 98 98 98 98 9				
Sound Pressure Level	dB(A)	D Lli · /	16 Hi:33 Me:		Cooling : 48 Heating : 50				
Exterior dimensions	UD(A)		Init 246 × 840		Cooling . 46 Treating . 50				
Height x Width x Depth	mm	Panel 35 × 950 × 950				1,300 × 970 × 370			
Exterior appearance	Plaster White					Stucco White			
(Munsell color)	1.0	,	(8.9/0.2) near e	•	(4.2Y7.5/1.1) near equivalent				
Net weight	kg	l	JNIT 24 PANE	L 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 groo	oved 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=""></starting>	5	0 < Direct line s	start >		86 × 2 < Direct line start >				
Air flow (Standard)	CMM	P-Hi : 2	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)						—			
Electric heater					· ·	20 (Crank case heater)			
Remote controller		Th -			n) wire	less : RCN-T-36W-E (option)			
Room temperature contro			ermostat by ele						
Safety equipment		Fros	ad protection for the protection the	ermostat	Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data	mm					< 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant piping size		Gas line			× 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) lengt				Max.100m	×1.See page 99				
Vertical height difference betwee outdoor unit and indoor unit	n			(Outdoor unit is (Outdoor unit is	· ·	wildee page 35			
Refrigerant Quantity			R410A 4.5kg	g (Pre-charged u	up to the	e piping length of 30m) Outdoor unit			
Drain pump			Built-in Drain p			_			
Drain		Hose	Connectable v			Holes size $\phi 20 \times 3pcs$			
Insulation for piping					/ (both L	Liquid & Gas lines)			
Standard Accessories			ounting kit, Dra	in hose		Edging			
Notes (1) The data are			1						
Item		air temperature	1	temperature					
Operation	DB	WB	DB	WB					
Cooling	27°C	19°C	35°C	24°C					
Heating		20°C	7°C	6°C					
(3) Sound press ambient tem (4) The operation (5) Indoor unit s	ure level in perature. n data indio pecificatior	cates when the air	n an anechoic -conditioner is pacity and ope	chamber. Durin operated at 230 ration data is tw	g operat)V50Hz vo indoo	tion these value are somewhat higher due to or 220V60Hz. or units are combined and run together.			

		Model		FDT125VSXPVD							
			Indoo	r unit FDT60V	D (2 units)		Outdoor unit FDC125VSX				
Item			F	Panel T-PSA-3	AW-E						
Power sour	rce						380-415V 3N~50Hz / 380V 3N~60Hz				
Operation of	data			Cooling			Heating				
Nominal	capacity	kW	12.5	[5.0 (Min.) ~ 1	4.0 (Max.)]		14.0 [4.0 (Min.)~18.0 (Max.)]				
Power co	nsumption	kW		3.06		3.22					
Running c	current	А		4.5 / 4.7		4.7 / 5.0					
Power fac	tor	%		98 / 99			99 / 98				
Inrush cur	rent	Α			5 < Ma	ng current 15 >					
Sound Pre	essure Level	dB(A)	P-Hi : 4	16 Hi:33 Me	:31 Lo:30		Cooling : 48 Heating : 50				
Exterior din Height x V	nensions Vidth x Depth	mm		Init 246 × 840 anel 35 × 950		1,300 × 970 × 370					
Exterior ap (Munsell c			(6.8)	Plaster Whi /8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent				
Net weight	,	kg	,	JNIT 24 PANE	•	105					
Refrigerant	equipment sor type & Q'ty			_		RMT5134MDE3 × 1					
Starting m	nethod			_		Direct line start					
Refrigerar		e		_			0.9 (M-MA68)				
Heat exch			Louver	fin & inner gro	oved tubina	M shape fin & inner grooved tubing					
Refrigerar					y		Electronic expansion valve				
	g equipment			Turbo fan ×	: 1	Propeller fan × 2					
Motor <starting method=""> W</starting>			5	0 < Direct line	start >		86 × 2 < Direct line start >				
Air flow (S			28 Hi:18 Me			100					
,	tatic pressure	CMM Pa		0	. 10 20.11		_				
Outdoor a	•	14		Possible							
Air filter, Q'ty			Pocket	plastic net × 1	(Washable)		_				
	oration absorber				, ,		Rubber sleeve (for Compressor)				
	noise & heat)		Rubber sleeve (for fan motor) Polyurethane form								
Electric heater W							20 (Crank case heater)				
Remote co				wire	d : BC-E4 (optio	n) wire	eless : RCN-T-36W-E (option)				
	perature control		The	ermostat by ele							
Safety eq			Overloa	ad protection for the st protection the st prote	or fan motor	Internal thermostat for fan motor Abnormal discharge temperature protection.					
Installation	data					× 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")					
	nt piping size	mm		,	1 1	· /	× 0.8 $(\phi + 5.82 (5/8)^{\circ} \times 1.0 - 0.0 \phi + 5.22 (5/8)^{\circ}$ × 0.8 $(\phi + 5.88 (5/8)^{\circ} \times 1.0 - 0.0 \phi + 5.88 (5/8)^{\circ}$				
-	ig method	+					Flare piping				
	line (one way) lengtl		Flare piping Max.100m								
•	ht difference betwee			Max 30m	(Outdoor unit is	higher)	*1.See page 99				
0	t and indoor unit	"			(Outdoor unit is	5.7					
Refrigerar	nt Quantity					,	e piping length of 30m) Outdoor unit				
Drain pump	-			Built-in Drain p	<u> </u>		_				
Drain				Connectable			Holes size $\phi 20 \times 3pcs$				
Insulation f	or piping					y (both l	Liquid & Gas lines)				
	ccessories		Mo	ounting kit, Dra			Edging				
Notes	(1) The data are	measured	at the following co	onditions.							
			air temperature		temperature						
Item		DB	WB	DB	WB						
	Operation DB WB DB WB Cooling 27°C 19°C 35°C 24°C										
		210	20°C	7°C	6°C						
	(3) Sound pressu ambient temp	ure level ir berature.	litioner is manufact dicates the value in	tured and teste n an anechoic	ed in conformity chamber. During	g operat	tion these value are somewhat higher due to				
	(5) Indoor unit sp(6) Branching pip	becification	cates when the air- ns for one unit. Cap S-WA1"×1(option). roller is used, only \$	Dacity and ope	ration data is tw/U \sim Branch, (2)	o indoo : Pipe c	or units are combined and run together. of Branch \sim I/U				

					01140	VNXPVD		
			r unit FDT71VI			Outdoor unit FDC140VNX		
Item		F	anel T-PSA-3	AW-E				
Power source						220-240V~50Hz / 220V~60Hz		
Operation data			Cooling					
Nominal capacity	kW	14.0	[5.0 (Min.) ~ 16	5.0 (Max.)]		16.0 [4.0 (Min.)~18.0 (Max.)]		
Power consumption	kW		3.88		3.70			
Running current	A %		17.2 / 18.0 98)	16.4 / 17.2 98			
Power factor Inrush current	90 A		90	5 < Ma	ng current 26 >			
Sound Pressure Level	dB(A)	P-Hi · 4	6 Hi:35 Me		Cooling : 49 Heating : 52			
Exterior dimensions			Init 246 × 840					
Height x Width x Depth	mm		anel 35 × 950		1,300 × 970 × 370			
Exterior appearance (Munsell color)		(6.8)	Plaster Whit 8.9/0.2) near e		Stucco White (4.2Y7.5/1.1) near equivalent			
Net weight	kg	,	JNIT 24 PANE	•	105			
Refrigerant equipment Compressor type & Q'ty			_			RMT5134MDE2 × 1		
Starting method					Direct line start			
Refrigerant oil	e					0.9 (M-MA68)		
Heat exchanger	- ×	louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigerant control		Louver	— —	oved tability	Electronic expansion valve			
Air handling equipment Fan type & Q'ty		Turbo fan ×	1	Propeller fan × 2				
Motor <starting method:<="" td=""><td>> W</td><td>5</td><td>0 < Direct line :</td><td>start ></td><td></td><td>86 × 2 < Direct line start ></td></starting>	> W	5	0 < Direct line :	start >		86 × 2 < Direct line start >		
Air flow (Standard)	CMM	P-Hi : 2	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 absorbe	r	Rubber sleeve (for fan motor)				Rubber sleeve (for Compressor)		
Insulation (noise & heat)	t) Polyurethane form					_		
Electric heater		_			20 (Crank case heater)			
Remote controller					n) wire	less : RCN-T-36W-E (option)		
Room temperature contro	bl		ermostat by ele		_			
Safety equipment			ad protection for t protection the		Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data	mm	Liquid li	ne : I/U ϕ 9.52	(3/8") ②φ9.52	× 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant piping size		Gas line			") × 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) leng				Max.100m				
Vertical height difference betwe outdoor unit and indoor unit	en			(Outdoor unit is (Outdoor unit is	· ·	%1.See page 99		
Refrigerant Quantity			R410A 4.5kg	g (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit		
Drain pump			Built-in Drain p	oump		_		
Drain		Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$		
Insulation for piping				Necessary	/ (both l	iquid & Gas lines)		
Standard Accessories		Mo	ounting kit, Dra	in hose		Edging		
Notes (1) The data are	measured	at the following co	onditions.					
Item		air temperature		temperature				
Operation	DB	WB	DB	WB				
Cooling	27°C	19°C	35°C	24°C				
Heating		20°C	7℃	6°C				
(3) Sound press ambient tem(4) The operation(5) Indoor unit se	sure level in perature. on data indi- pecification	cates when the air	n an anechoic -conditioner is pacity and ope	operated at 230 ration data is tw	g operat)V50Hz vo indoc	tion these value are somewhat higher due to or 220V60Hz. or units are combined and run together.		

	_	Model				FDT140	I		
			Indoc	or unit FDT71V	D (2 units)		Outdoor unit FDC140VSX		
Item			I	Panel T-PSA-3	AW-E				
Power source							380-415V 3N~50Hz / 380V 3N~60Hz		
Operation dat	a			Cooling			Heating		
Nominal cap	bacity	kW	14.0	[5.0 (Min.) ~ 1	6.0 (Max.)]		16.0 [4.0 (Min.)∼20.0 (Max.)]		
Power consu	umption	kW		3.88			3.70		
Running curr	rent	Α		5.7 / 6.0			5.4 / 5.7		
Power factor		%		98		99			
Inrush currer	nt	A			5 < M	ax.runnir	ng current 15 >		
Sound Press	ure Level	dB(A)	P-Hi : 4	46 Hi:35 Me	:33 Lo:31	Cooling : 49 Heating : 52			
Exterior dimer Height x Wid		mm	-	Jnit 246 × 840 Panel 35 × 950		1,300 × 970 × 370			
Exterior appea			(6.0)	Plaster Whi			Stucco White		
(Munsell cold	or)		,	(8.9/0.2) near e	•		(4.2Y7.5/1.1) near equivalent		
Net weight		kg		UNIT 24 PANE	L 5.5		105		
Refrigerant eq Compressor				_			RMT5134MDE3 × 1		
Starting met				-			Direct line start		
Refrigerant o	bil	l		_			0.9 (M-MA68)		
Heat exchan	ger		Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigerant c	control			_		Electronic expansion valve			
Air handling e Fan type & C				Turbo fan ×	:1	Propeller fan × 2			
Motor <star< td=""><td>ting method></td><td>W</td><td>5</td><td>0 < Direct line</td><td>start ></td><td></td><td>86 × 2 < Direct line start ></td></star<>	ting method>	W	5	0 < Direct line	start >		86 × 2 < Direct line start >		
Air flow (Star	ndard)	СММ	P-Hi : 2	28 Hi:21 Me	:19 Lo:17	100			
External stat	ic pressure	Ра	0				_		
Outdoor air i			Possible				_		
Air filter, Q'ty	/		Pocket plastic net × 1 (Washable)				_		
Shock & vibra	tion absorber		Rubber sleeve (for fan motor)				Rubber sleeve (for Compressor)		
Insulation (noi	ation (noise & heat)				form		_		
Electric heater	r	W		_		20 (Crank case heater)			
Remote contro	oller			wire	d : RC-E4 (optio	on) wire	less : RCN-T-36W-E (option)		
Room tempe	erature control		The	ermostat by ele	ectronics		_		
Safety equip	ment			ad protection f		Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation da	ta		Liquid	line : Ι/U φ 9.5	2 (3/8") ② ϕ 9	$(3'') \times 0.8$ (1) ϕ 9.52 (3/8") $\times 0.8$ O/U ϕ 9.52 (3/8") (8") $\times 1.0$ (1) ϕ 15.88 (5/8") $\times 1.0$ O/U ϕ 15.88 (5/8")			
Refrigerant p		mm							
Connecting r				Flare pipin	() = /	(··· -	Flare piping		
	(one way) length			1. F	Max.100m				
Vertical height d outdoor unit an	difference between				(Outdoor unit i (Outdoor unit i	0 /	%1.See page 99		
Refrigerant C					`	,	e piping length of 30m) Outdoor unit		
Drain pump				Built-in Drain p	8 8				
Drain partip			Hose	Connectable			Holes size $\phi 20 \times 3pcs$		
Insulation for	piping					ry (both l	Liquid & Gas lines)		
Standard Acc			M	ounting kit, Dra			Edging		
		easured	at the following co						
	i			r	tomporature	Г			
	Item		air temperature	<u> </u>	temperature	-			
	Operation	DB	WB	DB	WB	-			
	Cooling	27°C	19°C	35°C	24°C	4			
	Heating		20°C	7°C	0°C				
(3) (4) (5)	Sound pressure ambient tempe The operation of	e level in rature. data indi cificatior	cates when the air ns for one unit. Ca	n an anechoic -conditioner is pacity and ope	chamber. Durir operated at 40	ng operat 0V50Hz (wo indoo	tion these value are somewhat higher due to		

(c)	Trip	le type
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	Model				FD1140	VNXTVD
			r unit FDT50VE	. ,		Outdoor unit FDC140VNX
Item		F	Panel T-PSA-3	W-E		
Power source						220-240V~50Hz / 220V~60Hz
Operation data			Cooling		Heating	
Nominal capacity	kW	14.0	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 < Ma	ax.runnir	ng current 26 >
Sound Pressure Level	dB(A)	P-Hi : 3	39 Hi:33 Me:	31 Lo:30		Cooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm		Init 246 × 840 : anel 35 × 950			1,300 × 970 × 370
Exterior appearance (Munsell color)		(6.8)	Plaster Whit /8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg		JNIT 22 PANE	L 5.5		105
Refrigerant equipment Compressor type & Q'ty	0		_		RMT5134MDE2 × 1	
Starting method			_			Direct line start
Refrigerant oil	e		_			0.9 (M-MA68)
Heat exchanger		Louver	fin & inner groo	oved tubing		M shape fin & inner grooved tubing
Refrigerant control		200701		. sa tasing	Electronic expansion valve	
Air handling equipment Fan type & Q'ty		Turbo fan × 1				Propeller fan × 2
Motor <starting method=""></starting>	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			per sleeve (for fa	, ,		Rubber sleeve (for Compressor)
Insulation (noise & heat)			Polyurethane f	,		
Electric heater	W		_	-		20 (Crank case heater)
Remote controller			wired	: BC-F4 (optio	n) wire	less : RCN-T-36W-E (option)
Room temperature control		The	ermostat by elec			
Safety equipment		Overloa	ad protection fo	r fan motor		Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data			•		2 (3/8") >	× 0.8 $(1)\phi$ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")
Refrigerant piping size	mm					× 0.8 $(1 \phi 15.88 (5/8") \times 1.0 O/U \phi 15.88 (5/8")$
Connecting method		2.2.5	Flare piping		(- / /	Flare piping
Refrigerant line (one way) length				, Max.100m		1
Vertical height difference betweer outdoor unit and indoor unit			Max.30m	(Outdoor unit is (Outdoor unit is		※1.See page 100
Refrigerant Quantity			R410A 4.5kg	(Pre-charged	up to the	e piping length of 30m) Outdoor unit
Drain pump		Built-in Drain pump				_
Drain		Hose Connectable with VP20				Holes size $\phi 20 \times 3pcs$
Insulation for piping				Necessar	Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose				Edging
Notes (1) The data are r	neasurec					
Item		air temperature	1	temperature	1	
	DB	WB	DB	WB	1	
Operation						
Cooling	27°C	19°C	35°C	24°C		
Heating		20°C	7°C	6°C	1	

(2) Ihis 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.

		Model				FDT140	VSXTVD		
				r unit FDT50V	. ,		Outdoor unit FDC140VSX		
Item			F	Panel T-PSA-3	AW-E				
Power sour	ce						380-415V 3N~50Hz / 380V 3N~60Hz		
Operation of	data			Cooling			Heating		
Nominal of	capacity	kW	14.0	[5.0 (Min.) ~ 10	6.0 (Max.)]	16.0 [4.0 (Min.)~20.0 (Max.)]			
Power cor	nsumption	kW		3.88		3.76			
Running c	urrent	A		5.7 / 6.0			5.5 / 5.8		
Power fac	tor	%		98			99 / 98		
Inrush cur	rent	A			5 < Ma	ax.runnir	ng current 15 >		
Sound Pre	essure Level	dB(A)	P-Hi : 3	39 Hi:33 Me	:31 Lo:30	Cooling : 49 Heating : 52			
Exterior din Height x V	nensions Vidth x Depth	mm		Init 246 × 840 anel 35 × 950		1,300 × 970 × 370			
Exterior ap	pearance			Plaster Whi	te		Stucco White		
(Munsell c	olor)		(6.8)	′8.9/0.2) near e	equivalent		(4.2Y7.5/1.1) near equivalent		
Net weight		kg		JNIT 22 PANE	L 5.5		105		
	equipment sor type & Q'ty			_			RMT5134MDE3 × 1		
Starting m	nethod			_			Direct line start		
Refrigerar		e		_			0.9 (M-MA68)		
Heat exch		Ť	Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigerar	0		200701				Electronic expansion valve		
	g equipment			Turbo fan ×	1	Propeller fan × 2			
	tarting method>	W	5	0 < Direct line :	start >	86 × 2 < Direct line start >			
Air flow (S		CMM		20 Hi:18 Me		100			
,	tatic pressure	Pa	F-111.2	0 111.10 1010	. 10 L0.14	-			
Outdoor a		га		Possible					
Air filter, C			Pocket	plastic net × 1	(Washable)				
	oration absorber			plastic fiel x i	, ,	Rubber sleeve (for Compressor)			
	noise & heat)		nubi	Polyurethane	,				
Electric hea	,	W			IOIIII		20 (Crank case heater)		
Remote co		VV			H · PC E4 (option	n) wiro	eless : RCN-T-36W-E (option)		
			The	ermostat by ele		n) wire			
noom ten	perature control			ad protection for			Internal thermostat for fan motor		
Safety equ	uipment			at protection th			Abnormal discharge temperature protection.		
Installation	data			•		2 (3/8")	") × 0.8 $(1)\phi$ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
	nt piping size	mm				") × 0.8 $(1 \phi 9.52 (3/8) \times 1.6 \ \text{O}/\text{U} \phi 9.52 (3/8)$ ") ") × 0.8 $(1 \phi 15.88 (5/8") \times 1.0 \ \text{O}/\text{U} \phi 15.88 (5/8")$			
Connectir		+		Flare piping		$\frac{1}{10000000000000000000000000000000000$			
	line (one way) length		<u> </u>		9 Max.100m				
°	ht difference betweer			May 20m	(Outdoor unit is	higher	*1.See page 100		
0	and indoor unit	1			(Outdoor unit is	· ·			
	t Quantity	+			`	,	e piping length of 30m) Outdoor unit		
Drain pump				Built-in Drain p	<u> </u>				
Drain Drain	-			Connectable			Holes size $\phi 20 \times 3pcs$		
Insulation f	or pipina			201110010010		/ (both I	Liquid & Gas lines)		
Standard A			Ma	ounting kit, Dra		,	Edging		
		neasured	at the following co	-					
				1	tomperature				
	Item		air temperature		temperature				
	Operation	DB	WB	DB	WB				
	Cooling	27°C	19°C	35°C	24°C				
	Heating		20°C	7°C	6°C				
	 (3) Sound pressu ambient temp (4) The operation (5) Indoor unit sp 	re level ir erature. data indi ecificatio	cates when the air	n an anechoic -conditioner is pacity and ope	chamber. During operated at 400 ration data is the	g operat V50Hz ree indo	tion these value are somewhat higher due to or 380V60Hz. oor units are combined and run together.		

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

	Model			I	DEN71	IVNXVD
		Inc	door unit FDEN	171VD		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	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				x.runnir	ng current 17 >
Sound Pressure Level	dB(A)	P-Hi : 5	0 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)		(6.8Y	Plaster Whit 8.9/0.2) near e			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 groo	oved tubing		M shape fin & inner grooved tubing
Refrigerant control			_			Electronic expansion valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 4			Propeller fan x 1
Motor <starting method=""></starting>	w	20 >	2 < Direct line	start >	86 <direct line="" start=""></direct>	
Air flow (Standard)	CMM		2 Hi:18 Me:			Cooling : 60 Heating : 50
External static pressure	Pa		0			
Outdoor air intake			Not possible		_	
Air filter, Q'ty		Pocket	Pocket plastic net × 2 (Washable)			_
Shock & vibration absorber			Rubber sleeve (for fan motor)			Rubber sleeve (for Compressor)
Insulation (noise & heat)			Polyurethane f	,		_
Electric heater	W		_	-		20 (Crank case heater)
Remote controller			wir	ed : RC-E4 (opt	ion) w	ireless : RCN-E1R (option)
Room temperature control		The	rmostat by elec		,	_
Safety equipment			thermostat for t protection the		Internal thermostat for fan motor Abnormal discharge temperature protection.	
Installation data			Liquid line :	I/U φ 9.52 (3/8') Pipe	$\phi 9.52 (3/8") \times 0.8$ O/U $\phi 9.52 (3/8")$
Refrigerant piping size	mm				<u>, , , , , , , , , , , , , , , , , , , </u>	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	ו			Outdoor unit is Outdoor unit is	· ·	%1.See page 99
Refrigerant Quantity			R410A 2.95	kg in outdoor ui	nit (incl.	the amount for the piping of : 30m)
Drain pump			-			_
Drain		Hose	Connectable v	vith VP20		Holes size $\phi 20 \times 3pcs$
nsulation for piping				Necessary	(both L	Liquid & Gas lines)
Standard Accessories		Мо	unting kit, Drai	n hose		_
Notes (1) The data are		0				
Item		air temperature		temperature		
Operation	DB	WB	DB	WB		
Cooling	27°C	19°C	35°C	24°C		
Heating		20°C	7°C	6°C		
(3) Sound press ambient tem	ure level i perature. n data ind	licates when the air	n an anechoic -conditioner is	chamber. Durin	g opera	tion these value are somewhat higher due to

	Model									
		Ind	oor unit FDEN	100VD		Outdoor unit FDC100VNX				
Item			_							
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				x.runnir	ng current 24 >				
Sound Pressure Level	dB(A)	P-Hi : 4	6 Hi:44 Me:	41 Lo:39		Cooling : 48 Heating : 50				
Exterior dimensions Height x Width x Depth	mm	:	250 × 1,620 × 0	690		1,300 × 970 × 370				
Exterior appearance			Plaster White			Stucco White				
(Munsell color)		(6.8Y	8.9/0.2) near eo	quivalent		(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 groo	ved 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=""></starting>	w	30 >	<2 < Direct line	start >	86 x 2 < Direct line start >					
Air flow (Standard)	CMM	P-Hi : 2	8 Hi:26 Me:	23 Lo:21	100					
External static pressure	Pa		0		_					
Outdoor air intake			Not possible	9						
Air filter, Q'ty		Pocket	plastic net × 2		_					
Shock & vibration absorber			er sleeve (for fa	, ,	Rubber sleeve (for Compressor)					
Insulation (noise & heat)			Polyurethane fo	,						
Electric heater	w		_			20 (Crank case heater)				
Remote controller			wire	ed : RC-E4 (opt	tion) w	ireless : RCN-E1R (option)				
Room temperature control		The	mostat by elec		- /					
			thermostat for			Internal thermostat for fan motor				
Safety equipment			t protection the	ermostat) Dine	Abnormal discharge temperature protection.				
nstallation data	mm			I/U φ 9.52 (3/8		eφ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")				
Refrigerant piping size					5°) Pipe	φ 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	1.1.1 ×	*1.See page 99				
Vertical height difference betweer	ן ו		`	Outdoor unit is Outdoor unit is	0 /	MI.See page 33				
outdoor unit and indoor unit						the amount for the sining of (205-)				
Refrigerant Quantity	$\left \right $		R410A 4.5K	y in outdoor un	nı (inci. 1	the amount for the piping of : 30m)				
Drain pump		11-	-							
Drain		HOSE	Connectable w		(/b	Holes size $\phi 20 \times 3pcs$				
Insulation for piping			unting Lit D. 1		/ (doth L	Liquid & Gas lines)				
Standard Accessories			unting kit, Drai	nnose		Edging				
Notes (1) The data are					1					
Item		air temperature		temperature	-					
Operation	DB	WB	DB	WB	-					
Cooling	27°C	19°C	35°C	24°C						
Heating		20°C	7°C	6°C						
(3) Sound press ambient temp (4) The operation	ure level i perature. n data ind	ditioner is manufact ndicates the value in licates when the air- troller is used, only it	n an anechoic o -conditioner is	chamber. Durin	g opera 0V50Hz	tion these value are somewhat higher due to or 220V60Hz.				

	Model	FDEN100VSXVD								
	_	Ind	oor unit FDEN	100VD		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		2.80			2.88				
Running current	A		4.1 / 4.3			4.2 / 4.5				
Power factor	%		99			99 / 97				
Inrush current	A			5 < Ma	x.runnir	ng current 15 >				
Sound Pressure Level	dB(A)	P-Hi : 4	6 Hi:44 Me:	41 Lo:39		Cooling : 48 Heating : 50				
Exterior dimensions Height x Width x Depth	n mm		250 × 1,620 × 690			1,300 × 970 × 370				
Exterior appearance (Munsell color)		(6.8Y	Plaster White 8.9/0.2) near ea			Stucco White (4.2Y7.5/1.1) near equivalent				
Net weight	kg	``````````````````````````````````````	49			105				
Refrigerant equipment Compressor type & Q'I			_			RMT5134MDE3 × 1				
Starting method	-		_			Direct line start				
Refrigerant oil	l		_			0.9 (M-MA68)				
Heat exchanger	ι κ		fin & inner groc	ved tubing		M shape fin & inner grooved tubing				
		Louver				Electronic expansion valve				
Refrigerant control			_							
Air handling equipment Fan type & Q'ty			Centrifugal fan		Propeller fan × 2					
Motor <starting metho<="" td=""><td></td><td></td><td><2 < Direct line</td><td></td><td>86 x 2 < Direct line start ></td></starting>			<2 < Direct line		86 x 2 < Direct line start >					
Air flow (Standard)	CMM	P-Hi : 2	8 Hi:26 Me:	23 Lo:21	100					
External static pressure	e Pa		0		-					
Outdoor air intake			Not possible	9		_				
Air filter, Q'ty		Pocket	plastic net × 2	(Washable)						
Shock & vibration absor	ber	Rubb	er sleeve (for fa	an motor)	Rubber sleeve (for Compressor)					
Insulation (noise & heat)			Polyurethane fo	orm						
Electric heater	W		_			20(Crank case heater)				
Remote controller			wire	ed : RC-E4 (opt	ion) w	rireless : RCN-E1R (option)				
Room temperature cor	ntrol	The	rmostat by elec	ctronics		-				
Safety equipment			thermostat for protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data			Liquid line :	I/U φ 9.52 (3/8"	') Pipe	eφ9.52 (3/8") × 0.8 O/Uφ9.52 (3/8")				
Refrigerant piping size	mm		Gas line :	I/U φ 15.88 (5/8	3") Pipe	e \$\phi\$ 15.88 (5/8") \$\times\$ 1.0 \$\O/U \$\phi\$ 15.88 (5/8")				
Connecting method			Flare piping			Flare piping				
Refrigerant line (one way) le	ength		i	Max.100m						
Vertical height difference bet	-			Outdoor unit is	higher)	*1.See page 99				
outdoor unit and indoor unit				Outdoor unit is	· ·					
Refrigerant Quantity			R410A 4.5k	g in outdoor un	it (incl.	the amount for the piping of : 30m)				
Drain pump			_			-				
Drain		Hose	Connectable w	vith VP20		Holes size $\phi 20 \times 3pcs$				
Insulation for piping					/ (both L	Liquid & Gas lines)				
Standard Accessories		Мо	unting kit, Drai			Edging				
Notes (1) The data	are measure	d at the following co	-							
Item	Indoo	air temperature	Outdoor air	temperature]					
Operation		WB	DB	WB	1					
Cooling	27°C	19°C	35°C	24°C	1					
Heating		20°C	7°C	6°C	1					
(2) This pack (3) Sound pr	ressure level	ditioner is manufact	tured and teste	d in conformity		e ISO. titon these value are somewhat higher due to				
(4) The open		licates when the air troller is used, only t								

	Model			F	DEN12	5VNXVD		
		Ind	oor unit FDEN 1	125VD		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			3.77		
Running current	A		17.1 / 17.9			16.7 / 17.5		
Power factor	%		98			98		
Inrush current	A			5 < Ma	k.runnir	ng current 26 >		
Sound Pressure Level	dB(A)	P-Hi : 5	0 Hi:46 Me:	44 Lo:43	Cooling : 48 Heating : 50			
Exterior dimensions Height x Width x Depth	mm		250 × 1,620 × 6	690		1,300 × 970 × 370		
Exterior appearance (Munsell color)		(6.8Y	Plaster White 8.9/0.2) near eo			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	e		_			0.9 (M-MA68)		
Heat exchanger	Ť	Louver	fin & inner groo	ved tubina		M shape fin & inner grooved tubing		
Refrigerant control		200101		y		Electronic expansion valve		
Air handling equipment								
Fan type & Q'ty		Centrifugal fan × 4				Propeller fan × 2		
Motor <starting method=""></starting>	W		2 < Direct line		86 × 2 < Direct line start >			
Air flow (Standard)	CMM	P-Hi : 3	2 Hi:29 Me:	26 Lo:23	100			
External static pressure	Pa		0			_		
Outdoor air intake			Not possible		_			
Air filter, Q'ty			plastic net × 2	,	-			
Shock & vibration absorber			er sleeve (for fa	,		Rubber sleeve (for Compressor)		
nsulation (noise & heat)			Polyurethane fo	orm		-		
Electric heater	W		_			20 (Crank case heater)		
Remote controller					ion) wi	ireless : RCN-E1R (option)		
Room temperature control			rmostat by elec			-		
Safety equipment			thermostat for protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.		
nstallation data	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")		
Refrigerant piping size			Gas line :	I/U φ 15.88 (5/8	") Pipe	pe 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			1	Vax.100m				
Vertical height difference between outdoor unit and indoor unit			`	Outdoor unit is Outdoor unit is	0 /	%1.See page 99		
Refrigerant Quantity			R410A 4.5k	g in outdoor un	t (incl. t	the amount for the piping of : 30m)		
Drain pump			_					
Drain		Hose	Connectable w	ith VP20		Holes size ϕ 20 × 3pcs		
nsulation for piping				Necessary	(both L	iquid & Gas lines)		
Standard Accessories		Мо	unting kit, Drair	n hose		Edging		
Notes (1) The data are								
Item		air temperature		temperature				
Operation	DB	WB	DB	WB				
Cooling	27°C	19°C	35°C	24°C				
Heating		20°C	7°C	6°C				
(3) Sound pressu ambient temp (4) The operation	ure level i perature. n data ind	ditioner is manufac ndicates the value i licates when the air troller is used, only	n an anechoic o -conditioner is	chamber. Durin	g opera IV50Hz	tion these value are somewhat higher due to or 220V60Hz.		

	Model				DEN12	5VSXVD
		Ind	oor unit FDEN	125VD		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		3.86			3.77
Running current	A		5.7 / 6.0			5.6 / 5.8
Power factor	%		98			97 / 99
Inrush current	A			5 < Ma	x.runnir	ng current 15 >
Sound Pressure Level	dB(A)	P-Hi : 5	0 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)		(6.8Y	Plaster Whit 8.9/0.2) near e			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	e		_			0.9 (M-MA68)
Heat exchanger		Louver	fin & inner groo	oved tubina		M shape fin & inner grooved tubing
Refrigerant control		200701				Electronic expansion valve
Air handling equipment						
Fan type & Q'ty			Centrifugal fan		Propeller fan × 2	
Motor <starting method=""></starting>	W		2 < Direct line			86 × 2 < Direct line start >
Air flow (Standard)	CMM	P-Hi : 3	2 Hi:29 Me:	26 Lo:23	100	
External static pressure	Pa		0		_	
Outdoor air intake			Not possible		_	
Air filter, Q'ty			plastic net × 2	, ,	_	
Shock & vibration absorber		Rubb	er sleeve (for fa	an motor)		Rubber sleeve (for Compressor)
nsulation (noise & heat)			Polyurethane for	orm		_
Electric heater	W		_			20 (Crank case heater)
Remote controller			wir	ed : RC-E4 (opt	tion) w	ireless : RCN-E1R (option)
Room temperature control		The	rmostat by elec	ctronics		_
Safety equipment			thermostat for t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data	mm		Liquid line :	$\rm I/U\phi9.52$ (3/8") Pipe	$\phi 9.52 (3/8") \times 0.8$ O/U $\phi 9.52 (3/8")$
Refrigerant piping size	mm		Gas line :	I/U ϕ 15.88 (5/8	3") Pipe	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")
Connecting method			Flare piping	l		Flare piping
Refrigerant line (one way) length				Max.100m		
Vertical height difference between			Max.30m (Outdoor unit is	higher)	※1.See page 99
outdoor unit and indoor unit			Max.15m	Outdoor unit is	lower)	
Refrigerant Quantity			R410A 4.5k	g in outdoor un	it (incl.	the amount for the piping of : 30m)
Drain pump			-			
Drain		Hose	Connectable v	vith VP20		Holes size ϕ 20 × 3pcs
Insulation for piping	ation for piping Necessary (both					iquid & Gas lines)
Standard Accessories		Мо	unting kit, Drai	n hose		Edging
Notes (1) The data are r			r		1	
Item		air temperature		temperature		
Operation	DB	WB	DB	WB		
Cooling	27°C	19°C	35°C	24°C		
Heating		20°C	7°C	6°C		
(3) Sound pressu ambient temp (4) The operation	ire level i erature. data ind	ditioner is manufac ndicates the value i licates when the air troller is used, only	n an anechoic -conditioner is	chamber. Durin operated at 400	g opera 0V50Hz	tion these value are somewhat higher due to or 380V60Hz.

	Model	FDEN140VNXVD							
		Inc	door unit FDEN	140VD		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		4.98			4.69			
Running current	Α		22.1 / 23.1			20.8 / 21.8			
Power factor	%		98			98			
Inrush current	Α			5 < Ma	ax.runnir	ng 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)		(6.8)	Plaster Whit (8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent			
Net weight	kg	, , , , , , , , , , , , , , , , , , ,	49			105			
Refrigerant equipment									
Compressor type & Q'ty			_			RMT5134MDE2 × 1			
Starting method	0		_			Direct line start			
Refrigerant oil	l	· .	-			0.9 (M-MA68)			
Heat exchanger		Louver	fin & inner groo	oved 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=""></starting>	W	40	× 2 < Direct line	e start >	86 × 2 < Direct line start >				
Air flow (Standard)	CMM	P-Hi : 3	32 Hi:29 Me:	26 Lo:23	100				
External static pressure	Pa		0		_				
Outdoor air intake			Not possible	e	_				
Air filter, Q'ty		Pocket	plastic net × 2	(Washable)	_				
Shock & vibration absorber		Rubb	per sleeve (for fa	an motor)	Rubber sleeve (for Compressor)				
nsulation (noise & heat)			Polyurethane for	orm		_			
Electric heater	W		_			20 (Crank case heater)			
Remote controller			wir	ed : RC-E4 (op	tion) w	ireless : RCN-E1R (option)			
Room temperature control		The	ermostat by elec	tronics	,	_			
Safety equipment			al thermostat for st protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.			
		1103	•		Dino				
nstallation data	mm		•	, , ,		ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant piping size				, () 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 Vertical height difference between outdoor unit and indoor unit			Max.30m	Max.100m Outdoor unit is Outdoor unit is	• /	×1.See page 99			
Refrigerant Quantity					,	the amount for the piping of : 30m)			
Drain pump				<u> </u>					
Drain pump		Hose	Connectable v	/ith VP20		Holes size ϕ 20 × 3pcs			
Insulation for piping		1.030			(both I	Liquid & Gas lines)			
Standard Accessories		M	ounting kit, Drai		,	Edging			
Notes (1) The data are n	neasured								
Item	Indoor	air temperature	Outdoor air	temperature	1				
Operation	DB	WB	DB	WB					
	27°C	19°C	35°C	24°C					
Cooling	210								
Heating		20°C	7°C	6°C]				
(3) Sound pressur ambient temperation(4) The operation	re level ir erature. data ind	ditioner is manufac ndicates the value i icates when the air roller is used, only	in an anechoic o	chamber. Durin	g operat 0V50Hz	tion these value are somewhat higher due to or 220V60Hz.			

	Model		FDEN140VSXVD							
		Ind	loor unit FDEN	1140VD		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.) ~ 10	6.0 (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 < Ma	x.runnir	ng current 15 >				
Sound Pressure Level	dB(A)	P-Hi : 5	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)		(6.8V	Plaster Whi 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent				
Net weight	ka	(0.0)	49	quivalent		105				
Refrigerant equipment	kg		49			105				
Compressor type & Q'ty			_			RMT5134MDE3 × 1				
Starting method			_			Direct line start				
Refrigerant oil	l		-			0.9 (M-MA68)				
Heat exchanger		Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing				
Refrigerant control			-			Electronic expansion valve				
Air handling equipment Fan type & Q'ty			Centrifugal far	1 × 4	Propeller fan × 2					
Motor <starting method=""></starting>	W	40 >	< 2 < Direct lin	e start >	86 × 2 < Direct line start >					
Air flow (Standard)	CMM	P-Hi : 3	2 Hi:29 Me	:26 Lo:23	100					
External static pressure	Pa		0		-					
Outside air intake			Not possib	le	-					
Air filter, Q'ty		Pocket	plastic net × 2	(Washable)	-					
Shock & vibration absorber		Rubb	er sleeve (for f	an motor)	Rubber sleeve (for Compressor)					
Insulation (noise & heat)			Polyurethane	form		-				
Electric heater	W		_			20 (Crank case heater)				
Remote controller			wi	red : RC-E4 (opt	ion) w	ireless : RCN-E1R (option)				
Room temperature control		The	rmostat by ele	ctronics		-				
Safety equipment			l thermostat fo t protection th			Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data			Liquid line : I	/U	Pipe	φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")				
Refrigerant piping size	mm			,	· ·	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")				
Connecting method			Flare pipin		•	Flare piping				
Refrigerant line (one way) length				Max.100m						
Vertical height difference between			Max.30m	(Outdoor unit is	higher)	×1.See page 99				
outdoor unit and indoor unit				(Outdoor unit is						
Refrigerant Quantity			R410A 4.5	kg in outdoor un	it (incl.	the amount for the piping of : 30m)				
Drain pump			_			_				
Drain		Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$				
Insulation for piping					(both l	Liquid & Gas lines)				
Standard Accessories		Ma	unting kit, Dra		Edging					
Notes (1) The data are r						·				
Item		air temperature		temperature						
Operation	DB	WB	DB	WB						
Cooling	27°C	19°C	35°C	24°C						
Heating		20°C	7°C	6°C						
(3) Sound pressu ambient temp (4) The operation	re level ir erature. data indi	ditioner is manufact ndicates the value in icates when the air- roller is used, only 3	n an anechoic -conditioner is	operated at 400	g opera V50Hz	tion these value are somewhat higher due to or 380V60Hz.				

Power source					Model FDEN7						
Power source	tem		Indoo	r unit FDEN40\	/D (2 units)		Outdoor unit FDC71VNX				
				_							
Departies data							220-240V~50Hz/220V~60Hz				
Operation data				Cooling			Heating				
Nominal capacit	y	kW	7.1	[3.2 (Min.)~8	.0 (Max.)]		8.0 [3.6 (Min.)~9.0 (Max.)]				
Power consumpt	tion	kW		1.98			2.40				
Running current		А		8.8 / 9.2			10.7 / 11.2				
Power factor		%		98			98				
Inrush current		A			5 < M	ax.runnir	ng current 17 >				
Sound Pressure I	Level	dB(A)	P-Hi : 4	46 Hi:39 Me	:38 Lo:37		Cooling : 51 Heating : 48				
Exterior dimensior Height x Width x	-	mm		210 × 1,070 ×	690		750 × 880 (+88) × 340				
Exterior appearance	се			Plaster Whi	ite		Stucco White				
(Munsell color)			(6.8)	(8.9/0.2) near e			(4.2Y7.5/1.1) near equivalent				
Net weight		kg	×.	28			60				
Refrigerant equipn	nent										
Compressor type	e & Q'ty			_		RMT5118MDE2 × 1					
Starting method				_			Direct line start				
Refrigerant oil		l		_		0.675 (M-MA68)					
Heat exchanger			Louver	fin & inner gro	oved tubing	M shape fin & inner grooved tubing					
Refrigerant contr	ol		-				Electronic expansion valve				
Air handling equip Fan type & Q'ty	ment			Centrifugal far	n × 2	Propeller fan x 1					
Motor <starting< td=""><td>method></td><td>W</td><td colspan="4">25 < Direct line start ></td><td>86 < Direct line start ></td></starting<>	method>	W	25 < Direct line start >				86 < Direct line start >				
Air flow (Standard	d)	CMM	P-Hi:13 Hi:11 Me:9 Lo:7				Cooling : 60 Heating : 50				
External static pr	essure	Pa	0				_				
Outdoor air intak			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 &			1100	Polyurethane	,						
Electric heater	inouty	w					20 (Crank case heater)				
Remote controller				W	ired · BC-E4 (or	ntion) w	rireless : RCN-E1R (option)				
Room temperatu			Th	ermostat by ele		71011) W					
Safety equipmen			Interna	al thermostat for st protection th	or fan motor		Internal thermostat for fan motor Abnormal discharge temperature protection				
						(2/Q")	× 0.8 $(1 \phi 9.52 (3/8") \times 0.8 O/U \phi 9.52 (3/8")$				
nstallation data Refrigerant piping	a sizo	mm	Gas li				× 0.8 $(1 \phi 9.52 (5/8)) \times 0.3 + 0.0 \phi 9.52 (5/8))$ × 0.8 $(1 \phi 15.88 (5/8") \times 1.0 \text{ O/U} \phi 15.88 (5/8")$				
Connecting meth	-		Gas II			.7 (1/2)	Flare piping				
				Flare pipin	9 Max.50m		Flate pipilig				
Refrigerant line (one						. In i a la a và					
Vertical height differe outdoor unit and ind					(Outdoor unit is	· ·					
					(Outdoor unit is	,	the amount for the piping of (20m)				
Refrigerant Quan	iiity			R410A 2.95	oky in outdoor L	init (Incl.	the amount for the piping of : 30m)				
Drain pump							-				
Drain			Hose	Connectable		Holes size $\phi 20 \times 3pcs$					
nsulation for pipin	-					Liquid & Gas lines)					
Standard Accesso				ounting kit, Dra	ain hose						
Notes (1) The	data are m	easured	at the following co	onditions.							
Ite	em	Indoor	air temperature	Outdoor air	temperature						
Ope	ration	DB	WB	DB	WB						
	oling	27°C	19°C	35°C	24°C	1					
	ating	-	20°C	7°C	6°C	1					

(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.

		Model				DEN100	OVNXPVD		
			Indoor	unit FDEN50	/D (2 units)		Outdoor unit FDC100VNX		
Item		\geq		-					
Power sour				Oraliar			220-240V~50Hz / 220V~60Hz		
Operation of		1414/	10.01	Cooling	1.0 (Max)]		Heating		
Nominal of		kW	10.0	4.0 (Min.)~1	1.2 (IVIAX.)]		11.2 [4.0 (Min.)~12.5 (Max.)]		
Power cor	· ·	kW		3.02	2		3.18		
Running c		A		13.4 / 14.0	J		14.1 / 14.7		
Power fac		%		98	5 . Ma		98		
Inrush cur	essure Level	A AD(A)	DUEL	6 Hi:39 Me		ax.runnir	ng current 24 >		
		dB(A)	P-HI:4		: 36 L0:37		Cooling : 48 Heating : 50		
	Vidth x Depth	mm		210 × 1,070 ×			1,300 × 970 × 370		
Exterior app (Munsell c			(6.8)	Plaster Whi 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent		
Net weight		kg		28			105		
	equipment or type & Q'ty			_			RMT5134MDE2 × 1		
Starting m	nethod			_			Direct line start		
Refrigeran		l		_			0.9 (M-MA68)		
Heat exch			Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigeran	•						Electronic expansion valve		
	g equipment			Centrifugal fa	n × 2	Propeller fan × 2			
	tarting method>	w	2	5 < Direct line	start >	86 x 2 < Direct line start >			
Air flow (S		CMM		13 Hi:11 M		100			
`	tatic pressure	Pa		0	0.0 10.7				
Outdoor a		Га		Not possib	10				
Air filter, C			Pocket	plastic net × 2					
,	oration absorber			er sleeve (for	, ,	Rubber sleeve (for Compressor)			
	noise & heat)		TUDE	Polyurethane	,				
Electric hea	,	w			Iom		20 (Crank case heater)		
Remote co				10/	ired : BC-E4 (on	tion) w	ireless : RCN-E1R (option)		
	perature control		The	rmostat by ele	· · ·				
Safety equ			Interna	l thermostat fo	or fan motor		Internal thermostat for fan motor		
				t protection th		0 (0 (0))	Abnormal discharge temperature protection.		
Installation		mm					× 0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
	it piping size		Gas lir) × 0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connectin	•			Flare pipin	•		Flare piping		
•	line (one way) length			14 00	Max.100m		*1.See page 99		
0	ht difference betweer and indoor unit				(Outdoor unit is (Outdoor unit is	· ·	×1.9ee hage aa		
Refrigerar	t Quantity			R410A 4,5k	g (Pre-charged)	up to the	e piping length of 30m) Outdoor unit		
Drain pump)			-			-		
Drain			Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$		
Insulation for	or piping				Necessar	y (both L	_iquid & Gas lines)		
Standard A	ccessories		Mo	ounting kit, Dra	ain hose		Edging		
Notes	(1) The data are r	neasured	at the following co	nditions.					
	Item	Indoor	air temperature	Outdoor air	temperature				
	Operation	DB	WB	DB	WB				
	Cooling	27°C	19°C	35°C	24°C				
	Heating	. 2	20°C	7°C	6°C				
	 (2) This packaged (3) Sound pressu ambient temp (4) The operation (5) Indoor unit sp 	re level ir erature. data indi ecification e set "DIS	cates when the air- ns for one unit. Cap S-WA1"×1(option).	n an anechoic conditioner is bacity and ope ① : Pipe of O/	operated at 230 operated at 230	g operat)V50Hz (vo indoo : Pipe of	tion these value are somewhat higher due to or 220V60Hz. r units are combined and run together.		

	Model	FDEN100VSXPVD						
lta		Indoor unit FDEN50VD (2 units)				Outdoor unit FDC100VSX		
Item			_			280 4151/281 5015 / 2801/281 6015		
Power source		Cooling				380-415V 3N~50Hz / 380V 3N~60Hz Heating		
Operation data Nominal capacity	kW					11.2 [4.0 (Min.)~16.0 (Max.)]		
1 ,	kW	10.0 [4.0 (Min.)~11.2 (Max.)]						
Power consumption		3.02				3.18		
Running current Power factor	A %	4.4 / 4.7				4.7 / 4.9		
Inrush current	% A		99 / 98	5 < Ma	v ruppir	98 / 99 ng current 15 >		
Sound Pressure Level		DLIII	16 Hi:39 Me		x.rummi	<u> </u>		
	dB(A)	P-HL2	+0 HI: 39 Me	. 36 LU : 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)		(6.8)	Plaster Whi (8.9/0.2) near e			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		Louver in a inner grooved tubing				Electronic expansion valve		
Air handling equipment			Centrifugal far	1 × 2		Propeller fan × 2		
Fan type & Q'ty			-					
Motor <starting method=""></starting>	W		5 < Direct line			86 x 2 < Direct line start >		
Air flow (Standard)	CMM	P-HI:	13 Hi:11 Me	9:9 LO:7		100		
External static pressure	Pa	0						
Outdoor air intake		Dealast	Not possib					
Air filter, Q'ty			plastic net × 2	. ,		-		
Shock & vibration absorber		Rubi	per sleeve (for f	,		Rubber sleeve (for Compressor)		
Insulation (noise & heat)	14/		Polyurethane	form		-		
Electric heater	W					20 (Crank case heater)		
Remote controller					tion) w	ireless : RCN-E1R (option)		
Room temperature control			ermostat by ele					
Safety equipment		Internal thermostat for fan motor Frost protection thermostat			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data		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")		
Refrigerant piping size		Gas line : I/U ϕ 12.7 (1/2") (2) ϕ 12.7 (1/2")			× 0.8 $(1) \phi$ 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	g (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit		
Drain pump			_					
Drain	n Hos		e Connectable with VP20			Holes size $\phi 20 \times 3pcs$		
nsulation for piping				Necessary	iquid & Gas lines)			
Standard Accessories		M	ounting kit, Dra	in hose		Edging		
Notes (1) The data are m	easured	at the following co	onditions.					
Item	Indoor	air temperature	Outdoor air	temperature				
Operation	DB	WB	DB	WB				
Cooling	27°C	19°C	35°C	24°C				
Heating	210	20°C 7°C 6°C						
(2) This packaged (3) Sound pressur ambient tempe (4) The operation	e level ir erature. data indi	litioner is manufac dicates the value i cates when the air	tured and teste n an anechoic -conditioner is	ed in conformity chamber. During operated at 400	g operat V50Hz (ion these value are somewhat higher due to		

Adapted	to	RoHS	directive
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	Model	FDEN125VNXPVD						
		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	9		16.4 / 17.2		
Power factor	%		98			98		
Inrush current	A				x.runnin	ng current 26 >		
Sound Pressure Level	dB(A)	P-Hi : 5	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)		(6.8)	Plaster Whi (8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent		
Net weight	kg		37			105		
Refrigerant equipment Compressor type & Q'ty			_			RMT5134MDE2 × 1		
Starting method			_			Direct line start		
Refrigerant oil	e		_			0.9 (M-MA68)		
Heat exchanger	- ×		fin & inner aro	oved tubing		M shape fin & inner grooved tubing		
Refrigerant control		Louver fin & inner grooved tubing				Electronic expansion valve		
Air handling equipment Fan type & Q'ty			Centrifugal far	n × 4		Propeller fan × 2		
	d> W	20	20 × 2 < Direct line start >			96 · · 0 · · Direct line start ·		
Motor <starting metho<="" td=""><td></td><td></td><td></td><td></td><td></td><td>86 × 2 < Direct line start ></td></starting>						86 × 2 < Direct line start >		
Air flow (Standard)	CMM	P-HI:2	22 Hi:18 Me	:14 L0:12		100		
External static pressure	Pa		0			-		
Outdoor air intake			Not possib			—		
Air filter, Q'ty			plastic net × 2	, ,				
Shock & vibration absorb	er	Rubber sleeve (for fan motor)			Rubber sleeve (for Compressor)			
Insulation (noise & heat)			Polyurethane	form		—		
Electric heater	W		_			20 (Crank case heater)		
Remote controller					tion) wi	reless : RCN-E1R (option)		
Room temperature cont	rol		ermostat by ele			_		
Safety equipment			al thermostat for st protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.		
Installation data				. , .	0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant piping size mm		Gas line : Ι/U φ 12.7 (1/2") ② φ 12.7 (1/2") ×			(1/2") ×	< 0.8 $(1) \phi$ 15.88 (5/8") × 1.0 O/U ϕ 15.88 (5/8")		
Connecting method		Flare piping				Flare piping		
Refrigerant line (one way) ler	igth		Max.100m					
Vertical height difference betw outdoor unit and indoor unit	veen	Max.30m (Outdoor unit is higher) Max.15m (Outdoor unit is lower)				※1. See page 99		
Refrigerant Quantity			R410A 4.5k	g (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit		
Drain pump			-			_		
ain H		Hose	Hose Connectable with VP20			Holes size $\phi 20 \times 3pcs$		
nsulation for piping		Necessary (both I				iquid & Gas lines)		
Standard Accessories		Mo	ounting kit, Dra	ain hose		Edging		
Notes (1) The data a	re measured	l at the following co	onditions.					
Item	Indoor	air temperature	Outdoor air	r temperature				
Operation	DB	WB	DB	WB				
Cooling	27°C	19°C	35°C	24°C				
Heating		20°C	7°C	6°C				
(2) This packa (3) Sound pre ambient te (4) The operat	ssure level ir mperature. ion data ind specificatio	ditioner is manufac ndicates the value i icates when the air ns for one unit. Ca	tured and teste n an anechoic -conditioner is pacity and ope	ed in conformity chamber. During operated at 230	g operat)V50Hz o vo indooi	ion these value are somewhat higher due to		

	_	Model				DEN12	5VSXPVD
			Indoor	unit FDEN60V	/D (2 units)		Outdoor unit FDC125VSX
Item				_			
Power sour	се						380-415V 3N~50Hz / 380V 3N~60Hz
Operation of	lata			Cooling			Heating
Nominal of	capacity	kW	12.5	[5.0 (Min.) ~ 14	4.0 (Max.)]		14.0 [4.0 (Min.)~18.0 (Max.)]
Power cor	nsumption	kW		3.86			3.70
Running c	urrent	A		5.7 / 6.0			5.4 / 5.7
Power fac	tor	%		98			99
Inrush cur	rent	A			5 < Ma	.x.runnir	ng current 15 >
Sound Pre	essure Level	dB(A)	P-Hi : 5	50 Hi:41 Me	: 39 Lo : 38		Cooling : 48 Heating : 50
Exterior din Height x V	nensions Vidth x Depth	mm		210 × 1,320 ×	690		1,300 × 970 × 370
Exterior app (Munsell c			(6.8)	Plaster Whi '8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent
		ka	(0.0)	37 37	quivalent		105
Net weight		kg		57			105
•	equipment or type & Q'ty			_			RMT5134MDE3 × 1
Starting m	ethod			_			Direct line start
Refrigeran	t oil	l		_			0.9 (M-MA68)
Heat exch	anger		Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing
Refrigerar	t control			_			Electronic expansion valve
Air handling Fan type &	g equipment & Q'ty			Centrifugal far	1 × 4		Propeller fan × 2
	tarting method>	w	20	× 2 < Direct line	e start >		86 × 2 < Direct line start >
Air flow (S		СММ	_	2 Hi:18 Me			100
,	tatic pressure	Pa		0			
Outdoor a		ιa		Not possibl	0		
Air filter, C			Pockot	plastic net × 2			
,	pration absorber			plastic fiel x 2	, ,		Rubber sleeve (for Compressor)
					,		
,	noise & heat)	W		Polyurethane 1	IOIIII		
Electric hea		VV					20 (Crank case heater)
Remote co						tion) w	ireless : RCN-E1R (option)
Room terr	perature control			ermostat by ele			—
Safety equ	uipment		Fros	I thermostat fo t protection th	ermostat		Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation		mm		-		· /	0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")
	t piping size		Gas line	e : Ι/U φ 12.7	(1/2") ②φ12.7	(1/2") ×	0.8 ① ϕ 15.88 (5/8") × 1.0 O/U ϕ 15.88 (5/8")
Connectin	g method			Flare piping	g		Flare piping
Refrigerant	ine (one way) length				Max.100m		
•	nt difference between and indoor unit		L		(Outdoor unit is (Outdoor unit is	· ·	%1. See page 99
Refrigerar	t Quantity			R410A 4.5kg	g (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit
Drain pump)			_			-
Drain			Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$
Insulation for	or piping				Necessary	/ (both l	Liquid & Gas lines)
Standard A	ccessories		Mc	ounting kit, Dra	in hose		Edging
Notes	(1) The data are n	neasured	I at the following co	onditions.			
	Item	Indoor	air temperature	Outdoor air	temperature		
	Operation	DB	WB	DB	WB		
	Cooling	27°C	19°C	35°C	24°C		
		210					
			20°C ditioner is manufact ndicates the value in				e ISO. tion these value are somewhat higher due to
	ambient tempe (4) The operation (5) Indoor unit spe	erature. data indi ecificatio	icates when the air	-conditioner is pacity and ope	operated at 400 ration data is tw)V50Hz vo indoo	or 380V60Hz. or units are combined and run together.

	Model				DEN140				
Item		Indoor	unit FDEN71	/D (2 units)		Outdoor unit FDC140VNX			
Power source	\rightarrow					220-240V~50Hz / 220V~60Hz			
Operation data			Cooling			Heating			
Nominal capacity	kW	14.0	[5.0 (Min.) ~ 16	5.0 (Max)]		16.0 [4.0 (Min.)~18.0 (Max.)]			
Power consumption	kW	14.0	4.78	5.0 (Max.)]		4.43			
Running current	A		21.2 / 22.2)		19.7 / 20.5			
Power factor	%		98	-		98			
Inrush current	A			5 < Ma	y runnir	ng current 26 >			
Sound Pressure Level	dB(A)	P-Hi · F	50 Hi:41 Me		x.rumm	Cooling : 49 Heating : 52			
Exterior dimensions Height x Width x Dept	mm		210 × 1,320 ×			1,300 × 970 × 370			
Exterior appearance			Plaster Whi			Stucco White			
(Munsell color)		(6.8)	/8.9/0.2) near e	equivalent		(4.2Y7.5/1.1) near equivalent			
Net weight	kg		37			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 gro	oved tubing		M shape fin & inner grooved tubing			
Refrigerant control			_	_		Electronic expansion valve			
Air handling equipment Fan type & Q'ty			Centrifugal far	1 × 4		Propeller fan × 2			
Motor <starting meth<="" td=""><td>od> W</td><td>20</td><td>× 2 < Direct lin</td><td>e start ></td><td></td><td>86 × 2 < Direct line start ></td></starting>	od> W	20	× 2 < Direct lin	e start >		86 × 2 < Direct line start >			
Air flow (Standard)	CMM	P-Hi : 2	22 Hi:18 Me	: 14 Lo : 12		100			
External static pressu			0			_			
Outdoor air intake			Not possibl	e		_			
Air filter, Q'ty		Pocket	plastic net × 2			_			
Shock & vibration abso	rber	1	per sleeve (for f	, ,		Rubber sleeve (for Compressor)			
Insulation (noise & heat			Polyurethane	,					
Electric heater	W		_	-		20 (Crank case heater)			
Remote controller			wi	red : RC-E4 (opt	rireless : RCN-E1R (option)				
Room temperature co	ntrol	The	ermostat by ele		,	_			
Safety equipment			al thermostat fo			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data			•		(3/8") ×	< 0.8 ① <i>φ</i> 9.52 (3/8") × 0.8 O/U <i>φ</i> 9.52 (3/8")			
Refrigerant piping size	mm) × 1.0 $(1 \phi 15.88 (5/8") \times 1.0 O/U \phi 15.88 (5/8")$			
Connecting method			Flare pipin		- ()	Flare piping			
Refrigerant line (one way)	ength			9 Max.100m		C			
Vertical height difference be			Max 30m	(Outdoor unit is	hiaher)	*1. See page 99			
outdoor unit and indoor ur				(Outdoor unit is	5 . /				
Refrigerant Quantity					,	e piping length of 30m) Outdoor unit			
Drain pump					-	_			
Drain		Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$			
Insulation for piping					/ (both l	Liquid & Gas lines)			
Standard Accessories		Mo	ounting kit, Dra	in hose		Edging			
Notes (1) The data	are measure	d at the following co	onditions.						
Item		air temperature		temperature					
Operation		WB	DB	WB					
Cooling	27°C	19°C	35°C	24°C					
Heating		20°C	7°C	6°C					
(3) Sound p ambient (4) The oper (5) Indoor u	essure level i temperature. ation data inc nit specificatio	licates when the air	n an anechoic -conditioner is pacity and ope	chamber. During operated at 230 ration data is tw	g operat V50Hz o indoc	tion these value are somewhat higher due to or 220V60Hz. or units are combined and run together.			

		Model			F	DEN14	OVSXPVD		
			Indoor	unit FDEN71V	/D (2 units)		Outdoor unit FDC140VSX		
Item				_					
Power sour	се						380-415V 3N~50Hz / 380V 3N~60Hz		
Operation o	data			Cooling			Heating		
Nominal of	capacity	kW	14.0	[5.0 (Min.) ~ 16	6.0 (Max.)]		16.0 [4.0 (Min.)~20.0 (Max.)]		
Power cor	nsumption	kW		4.78			4.43		
Running c	urrent	A		7.0 / 7.4			6.5 / 6.9		
Power fac	tor	%		99 / 98			98		
Inrush cur	rent	A			5 < Ma	ıx.runnir	ng current 15 >		
Sound Pre	essure Level	dB(A)	P-Hi : 5	50 Hi:41 Me	:39 Lo:38		Cooling : 49 Heating : 52		
Exterior din Height x V	nensions Vidth x Depth	mm		210 × 1,320 ×	690		1,300 × 970 × 370		
Exterior app (Munsell c			(6.8)	Plaster Whi 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent		
Net weight	,	kg	x	37			105		
Refrigerant	equipment sor type & Q'ty			_			RMT5134MDE3 × 1		
Starting m				_			Direct line start		
Refrigeran		e		_			0.9 (M-MA68)		
Heat exch			Louver	fin & inner gro	oved tubina		M shape fin & inner grooved tubing		
Refrigeran	0		200701				Electronic expansion valve		
	g equipment			Centrifugal far	1 × 4	Propeller fan × 2			
	tarting method>	w	20	× 2 < Direct line	o etart >		86 × 2 < Direct line start >		
Air flow (S		CMM		2 Hi:18 Me			100		
,	tatic pressure	Pa	F -1 II . 2	0	. 14 LU. 12		-		
Outdoor a	· ·	га		Not possibl					
Air filter, C			Pocket	plastic net × 2					
	oration absorber			plastic fiel × 2			Rubber sleeve (for Compressor)		
	noise & heat)		hubi	Polyurethane 1	,				
Electric hea	,	W			Ionn		20 (Crank case heater)		
Remote co		~~			red · BC-E4 (opt	tion) w	rireless : RCN-E1R (option)		
	perature control		The	ermostat by ele					
Safety equ			Interna	al thermostat fo	or fan motor	Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation	data				-	(3/8") ×	0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
	it piping size	mm			, .	· ,	× 1.0 $(1 \phi 15.88 (5/8") \times 1.0 \text{ O/U} \phi 15.88 (5/8"))$		
Connectin				Flare piping		- (0,0)	Flare piping		
	line (one way) length				9 Max.100m				
-	ht difference between			Max 30m	(Outdoor unit is	higher)	※1. See page 99		
0	and indoor unit				(Outdoor unit is	0 /			
Refrigeran						,	e piping length of 30m) Outdoor unit		
Drain pump				-			_		
Drain			Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$		
Insulation f	or piping					/ (both l	Liquid & Gas lines)		
Standard A			Mo	ounting kit, Dra			Edging		
Notes	(1) The data are n	neasured	at the following co	onditions.					
	Item		air temperature		temperature				
					WB				
	Operation	DB 27°C	WB 10°C	DB					
	Cooling	210	19°C	35°C	24°C				
		re level ir	20°C ditioner is manufac ndicates the value i				e ISO. tion these value are somewhat higher due to		
	(4) The operation(5) Indoor unit specified	data indi ecificatio	icates when the air ns for one unit. Ca S-WA1"×1(option).	pacity and ope	ration data is tw	o indoc	or units are combined and run together.		

	Model			F	DEN140	DVNXTVD
		Indoor	unit FDEN50	/D (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.) ~ 1	6.0 (Max.)]		16.0 [4.0 (Min.)~18.0 (Max.)]
Power consumption	kW		4.72			4.38
Running current	A		20.9 / 21.9	9		19.4 / 20.3
Power factor	%		98			98
Inrush current	A				ax.runnir	ng current 26 >
Sound Pressure Level	dB(A)	P-Hi : 4	16 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			Plaster Whi	ite		Stucco White
(Munsell color)		(6.8)	(8.9/0.2) near e	equivalent		(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 gro	oved tubing		M shage 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=""></starting>	W	2	5 < Direct line	start >		86 × 2 < Direct line start >
Air flow (Standard)	СММ	P-Hi :	P-Hi: 13 Hi: 11 Me: 9 Lo: 7			100
External static pressure	Pa		0			_
Oudoor air intake			Not possible			_
Air filter, Q'ty		Pocket	plastic net × 2			_
Shock & vibration absorber			ber sleeve (for	, ,		Rubber sleeve (for Compressor)
Insulation (noise & heat)			Polyurethane	form		_
Electric heater	W		_			20 (Crank case heater)
Remote controller			w	ired : RC-E4 (op	tion) w	ireless : RCN-E1R (option)
Room temperature control		The	ermostat by ele	ectronics		_
Safety equipment			al thermostat for the protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data		Liguid li	ne : I/U <i>o</i> 6.35	(1/4") ② <i>o</i> 9.52	(3/8") ×	0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")
Refrigerant piping size	mm	Gas line				0.8 ① <i>ϕ</i> 15.88 (5/8") × 1.0 O/U <i>ϕ</i> 15.88 (5/8")
Connecting method			Flare pipin		. ,	Flare piping
Refrigerant line (one way) length				Max.100m		· · · -
Vertical height difference between outdoor unit and indoor unit				(Outdoor unit is (Outdoor unit is	o ,	※1. See page 100
Refrigerant Quantity			R410A 4.5k	g (Pre-charged	up to the	e piping length of 30m) Outdoor unit
Drain pump			_			_
Drain		Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$
Insulation for piping				Necessar	y (both l	Liquid & Gas lines)
Standard Accessories		Mo	ounting kit, Dra	ain hose		Edging
Notes (1) The data are n	neasured	at the following co	onditions.			
Item	Indoor	air temperature	Outdoor ai	rtemperature	1	
Operation	DB	WB	DB	WB	-	
	27°C	19°C		24°C	-	
Cooling	210		35°C	+		
					J	
(3) Sound pressur ambient tempe (4) The operation	e level ir erature.	20°C ditioner is manufac ndicates the value i icates when the air	n an anechoic -conditioner is	chamber. Durin	g operat	tion these value are somewhat higher due to

(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.

		Model			FI	DEN140	OVSXTVD
			Indoor	unit FDEN50V	/D (3 units)		Outdoor unit FDC140VSX
ltem				-			
Power sour	се						380-415V 3N~50Hz / 380V 3N~60Hz
Operation c	lata			Cooling			Heating
Nominal o	capacity	kW	14.0	5.0 (Min.) ~ 16	6.0 (Max.)]		16.0 [4.0 (Min.)~20.0 (Max.)]
Power cor	sumption	kW		4.72			4.38
Running c	urrent	A		7.0 / 7.3			6.5 / 6.8
Power fac	tor	%		97 / 98			97 / 98
Inrush cur	rent	A			5 < Ma	x.runnir	ng current 15 >
Sound Pre	essure Level	dB(A)	P-Hi : 4	6 Hi:39 Me	: 38 Lo : 37		Cooling : 49 Heating : 52
Exterior dim Height x V	nensions /idth x Depth	mm		210 × 1,070 ×	690		1,300 × 970 × 370
Exterior app (Munsell c			(6.8)	Plaster Whit 8.9/0.2) near e			Stucco White (4.2Y7.5/1.1) near equivalent
Net weight		kg		28			105
•	equipment or type & Q'ty			_			RMT5134MDE3 × 1
Starting m				_			Direct line start
Refrigeran		e		_			0.9 (M-MA68)
Heat exch			Louver	fin & inner gro	oved tubing		M shape fin & inner grooved tubing
Refrigeran	0			_			Electronic expansion valve
	equipment			Centrifugal far	1 × 2		Propeller fan × 2
	tarting method>	w	2	5 < Direct line s	start >		86 × 2 < Direct line start >
Air flow (S		СММ		13 Hi:11 Me			100
	tatic pressure	Pa		0			_
Outdoor a	•	· u		Not possibl	e		
Air filter, C			Pocket	plastic net × 2			_
	oration absorber			er sleeve (for f			Rubber sleeve (for Compressor)
	noise & heat)			Polyurethane f	,		
Electric hea	,	w					20 (Crank case heater)
Remote cor				wi	red : RC-E4 (opt	tion) w	ireless : RCN-E1R (option)
	perature control		The	rmostat by ele		, , ,	_
Safety equ			Interna	I thermostat fo	r fan motor	Internal thermostat for fan motor Abnormal discharge temperature protection.	
Installation	data		Liquid li	ne : I/U <i>ф</i> 6.35	(1/4") ②φ9.52	(3/8") ×	0.8 ① ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")
	t piping size	mm					0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")
Connectin	g method			Flare piping			Flare piping
	ine (one way) length				Max.100m		· · · -
Vertical heigh	nt difference between and indoor unit				(Outdoor unit is (Outdoor unit is	0 /	※1. See page 100
Refrigeran	t Quantity			R410A 4.5kg	g (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit
Drain pump					5		_
Drain			Hose	Connectable	with VP20		Holes size $\phi 20 \times 3pcs$
nsulation fo	or piping				Necessary	/ (both L	Liquid & Gas lines)
Standard A	ccessories		Mo	ounting kit, Dra	in hose		Edging
Notes	(1) The data are n	neasured	at the following co	onditions.			
	Item	Indoor	air temperature	Outdoor air	temperature		
	Operation	DB	WB	DB	WB		
	Cooling	27°C	19°C	35°C	24°C		
		210		7°C	6°C		
	(3) Sound pressu	re level ir	20°C ditioner is manufac idicates the value i	ured and teste	d in conformity		e ISO. tion these value are somewhat higher due to
	(5) Indoor unit spe	data indi ecificatio	icates when the air ns for one unit. Caj S-TA1"×1(option). (pacity and ope	ration data is the	ree indo	oor units are combined and run together.

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

	Model			1VNXVD			
	Indoor unit FDUM71VD					C	outdoor unit FDC71VNX
Item			_				
Power source						220-2	240V~50Hz / 220V~60Hz
Operation data			Cooling				Heating
Nominal capacity	kW	7.1	[3.2 (Min.)~8.0	0 (Max.)]		8.0) [3.6 (Min.)~9.0 (Max.)]
Power consumption	kW		2.14			2.16	
Running current	A		9.5 / 10.0				9.6 / 10.1
Power factor	%		98				98
Inrush current	A				ax.runnir	ng current 17 >	
Sound Pressure Level	dB(A)	P-Hi : 3	38 Hi:35 Me:	32 Lo:29		C	ooling: 51 Heating: 48
Exterior dimensions Height x Width x Depth	mm		299 × 950 × 6	35			750 × 880 (+88) × 340
Exterior appearance (Munsell color)			_			(4.2	Stucco White 2Y7.5/1.1) near equivalent
Net weight	kg		40				60
Refrigerant equipment Compressor type & Q'ty			_				RMT5118MDE2 × 1
Starting method			_				Direct line start
Refrigerant oil	e		_				0.675 (M-MA68)
Heat exchanger		Louver	fin & inner groo	oved tubing		M sha	pe fin & inner grooved tubing
Refrigerant control							ectronic expansion valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2				Propeller fan x 1
Motor <starting method=""></starting>					86 < Direct line start >		
Air flow (Standard)	CMM	P-Hi : 2	23 Hi:20 Me:	18 Lo:15		С	ooling: 60 Heating: 50
External static pressure	Pa		85/100 (at 20C	MM)			_
Outdoor air intake			Possible	,			_
Air filter, Q'ty			Procure loca	lly			_
Shock & vibration absorber		Rubb	per sleeve (for fa	an motor)		Rubb	per sleeve (for Compressor)
Insulation (noise & heat)			Polyurethane f	orm			
Electric heater	W		_				20 (Crank case heater)
Remote controller			wire	d : RC-E4 (opt	ion) wir	eless : RCN-KIT3-	-E (option)
Room temperature control		The	ermostat by elec	ctronics			_
Safety equipment			al thermostat for st protection the			-	nal thermostat for fan motor lischarge temperature protection.
Installation data			Liquid line : I/	U φ9.52 (3/8")) Pipe	φ 9.52 (3/8") × 0.8	B Ο/U φ 9.52 (3/8")
Refrigerant piping size	mm		Gas line : I/	[′] U φ 15.88 (5/8	") Pipe	φ 15.88 (5/8") × 1	.0 Ο/U φ 15.88 (5/8")
Connecting method			Flare piping	9			Flare piping
Refrigerant line (one way) length				Max.50m			
Vertical height difference between outdoor unit and indoor unit				(Outdoor unit is (Outdoor unit is			※1. See page 99
Refrigerant Quantity			R410A 2.95	kg in outdoor ι	unit (incl.	the amount for th	e piping of : 30m)
Drain pump			Built-in Drain p	ump			_
Drain		Hose	e Connectable v	vith VP20			Holes size ϕ 20 x 3pcs
Insulation for piping				Necessar	y (both L	_iquid & Gas lines)
Standard Accessories			Drain hose				-
Notes (1) The data are m	easured	at the following co	the following conditions.				
Item	Indoor	air temperature	Outdoor air	temperature	Externa	al static pressure	
Operation	DB	WB	DB	WB	-	door unit [Pa]	
Cooling	27°C	19°C	35°C				
	210	130	000	24°C 6°C		60	

(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.

		Model			1	FDUM10	OVNXVD			
			Inc	loor unit FDUM	1100VD		0	utdoor unit FDC100VNX		
tem				_						
Power sour	се						220-2	240V~50Hz/220V~60Hz		
Operation d	lata			Cooling			1	Heating		
Nominal c	capacity	kW	10.0	[4.0 (Min.) ~ 11	I.2 (Max.)]		11.2	2 [4.0 (Min.)~12.5 (Max.)]		
Power cor	sumption	kW		2.72				2.95		
Running c	urrent	A		12.1 / 12.6	i			13.1 / 13.7		
Power fact	tor	%		98			1	98		
Inrush curi	rent	A			5 < M	ax.runni	ing current 24 >			
Sound Pre	essure Level	dB(A)	P-Hi : 4	11 Hi:37 Me:	: 35 Lo : 32		C	ooling : 48 Heating : 50		
Exterior dim Height x W	nensions Vidth x Depth	mm		350 × 1,370 ×	635			1,300 × 970 × 370		
Exterior app (Munsell c				_			(4.2	Stucco White 2Y7.5/1.1) near equivalent		
Net weight		kg		59				105		
Refrigerant Compress	equipment or type & Q'ty			_				RMT5134MDE2 × 1		
Starting m	ethod			_			1	Direct line start		
Refrigeran		l		_			1	0.9 (M-MA68)		
Heat exch	anger		Louver	fin & inner groo	oved tubing		M sha	pe fin & inner grooved tubing		
Refrigeran	0			_	- 5			ectronic expansion valve		
•	equipment							•		
Fan type 8			1	Centrifugal fan	1 × 3			Propeller fan × 2		
	tarting method>	W	50 +	100 < Direct lir	ne start >		80	5 x 2 < Direct line start >		
Air flow (St		CMM	P-Hi : 3	34 Hi:28 Me:	: 25 Lo : 22			100		
,	tatic pressure	Pa		90/100 (at 28C				_		
Outdoor a	· ·			Possible	,			_		
Air filter, Q				Procure loca	llv			_		
	oration absorber		Rubb	per sleeve (for f	,		Bubb	per sleeve (for Compressor)		
	noise & heat)			Polyurethane f	,					
Electric hea	,	W						20 (Crank case heater)		
Remote cor				wire	d : RC-E4 (opti	ion) wir	eless : RCN-KIT3·	1 /		
Room tem	perature control		The	ermostat by ele				_		
Safety equ			Interna	al thermostat fo st protection the	r fan motor		-	nal thermostat for fan motor lischarge temperature protection.		
Installation	data			Liquid line : I/	/U φ 9.52 (3/8")) Pipe	φ 9.52 (3/8") × 0.8	B Ο/U φ 9.52 (3/8")		
	t piping size	mm		-				0 Ο/U φ 15.88 (5/8")		
Connectin	g method			Flare piping				Flare piping		
	ine (one way) length				Max.100m			· · · -		
-	nt difference between	1 1		Max.30m	(Outdoor unit is	s higher)		※1. See page 99		
0	and indoor unit		1		(Outdoor unit is	0 /				
Refrigeran	t Quantity			R410A 4.5k	kg in outdoor u	nit (incl.	the amount for the	e piping of : 30m)		
Drain pump				Built-in Drain p	0					
Drain			Hose	Connectable v	with VP20			Holes size ϕ 20 x 3pcs		
nsulation fo	or piping				Necessar	y (both	Liquid & Gas lines	· ·		
Standard A			·	Drain hose)		Edging			
Notes	(1) The data are n	neasured	I at the following co	onditions.		r				
	Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure			
	Operation	DB	WB	DB	WB	of ir	ndoor unit [Pa]			
	Cooling	27°C	19°C	35°C	24°C		60			
	Heating		20°C	7℃	6°C	1	60			
	 (3) Sound pressu ambient temp (4) The operation (5) Static pressur 	re level ir erature. data indi e of optic	ditioner is manufac ndicates the value i icates when the air onal air filter "UM-F roller is used, only	n an anechoic -conditioner is 'L3E" is 5Pa init	chamber. Durin operated at 23 tially.	ng opera 0V50Hz	tion these value a or 220V60Hz.	re somewhat higher due to		

	Model				FDUM10	DOVSXVD	
		Ind	loor unit FDUN	/100VD		0	utdoor unit FDC100VSX
Item			-				
Power source	_					380-415	V 3N~50Hz / 380V 3N~60Hz
Operation data			Cooling				Heating
Nominal capacity	kW	10.0	[4.0 (Min.)~1	1.2 (Max.)]		11.2	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 < M	ax.runnii	ng current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 4	11 Hi:37 Me	: 35 Lo : 32		C	ooling : 48 Heating : 50
Exterior dimensions Height x Width x Depth	mm		350 × 1,370 ×	635			1,300 × 970 × 370
Exterior appearance (Munsell color)			_			(4.2	Stucco White 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 gro	oved tubing		M sha	pe fin & inner grooved tubing
Refrigerant control							ectronic expansion valve
Air handling equipment Fan type & Q'ty			Centrifugal far	n x 3			Propeller fan × 2
	> W	F0 .	100 × Direct li	no otort :			
Motor <starting methods<="" td=""><td></td><td></td><td>100 < Direct li</td><td></td><td></td><td>80</td><td>6 x 2 < Direct line start ></td></starting>			100 < Direct li			80	6 x 2 < Direct line start >
Air flow (Standard)	CMM		34 Hi:28 Me				100
External static pressure	Pa		90/100 (at 280	(MM)			_
Outdoor air intake	_		Possible				
Air filter, Q'ty	_		Procure loca				—
Shock & vibration absorbe	er	Rubb	per sleeve (for f	,		Rubb	per sleeve (for Compressor)
nsulation (noise & heat)			Polyurethane	form			—
Electric heater	W		_			1	20 (Crank case heater)
Remote controller					ion) wir	eless : RCN-KIT3-	-E (option)
Room temperature contr	ol		ermostat by ele				_
Safety equipment			al thermostat for t protection th				nal thermostat for fan motor lischarge temperature protection.
Installation data	mm		Liquid line : I	/U) Pipe	ϕ 9.52 (3/8") \times 0.8	B Ο/U φ9.52 (3/8")
Refrigerant piping size			Gas line : I	/U ø15.88 (5/8	") Pipe	φ 15.88 (5/8") × 1.	0 Ο/U φ15.88 (5/8")
Connecting method			Flare pipin	g			Flare piping
Refrigerant line (one way) leng	jth			Max.100m			
Vertical height difference betwee outdoor unit and indoor unit	een			(Outdoor unit is (Outdoor unit is	0 /		*1. See page 99
Refrigerant Quantity			R410A 4.5	kg in outdoor u	nit (incl.	the amount for the	e piping of : 30m)
Drain pump			Built-in Drain p	oump			_
Drain			Connectable				Holes size ϕ 20 x 3pcs
Insulation for piping				Necessar	ry (both l	Liquid & Gas lines)
Standard Accessories			Drain hose	Э			Edging
Notes (1) The data are	e measurec	at the following co	onditions.				
Item		air temperature	1	temperature	Ester		
						al static pressure ndoor unit [Pa]	
Operation	DB	WB	DB	WB			
Cooling	27°C	19°C	35°C	24°C	-	60	
(3) Sound pres ambient ten	sure level ir nperature.		n an anechoic	chamber. Durir	ng opera	tion these value a	re somewhat higher due to
(5) Static press	ure of optio	icates when the air onal air filter "UM-F roller is used, only :	L3E" is 5Pa ini	itially.			

		Model			F	DUM12	25VNXVD	
			Inde	oor unit FDUM	125VD		Οι	Itdoor unit FDC125VNX
Item				-				
Power sourc	ce						220-2	40V~50Hz / 220V~60Hz
Operation da	ata			Cooling				Heating
Nominal c	apacity	kW	12.5 [5.0 (Min.) ~ 14	.0 (Max.)]		14.0	[4.0 (Min.)~17.0 (Max.)]
Power con	sumption	kW		3.62				3.77
Running cu	urrent	Α		16.1 / 16.8				16.7 / 17.5
Power fact	or	%		98				98
Inrush curr	ent	Α			5 < Ma	ax.runni	ng current 26 >	
Sound Pres	ssure Level	dB(A)	P-Hi : 4	1 Hi:38 Me:	36 Lo:33		Co	ooling : 48 Heating : 50
Exterior dim Height x W	ensions ⁄idth x Depth	mm	;	350 × 1,370 ×	635			1,300 × 970 × 370
Exterior app (Munsell co				_			(4.2	Stucco White Y7.5/1.1) near equivalent
Net weight	- /	kg	 I	59				105
Refrigerant e	equipment or type & Q'ty			_				RMT5134MDE2 × 1
Starting me				_				Direct line start
Refrigerant		l						0.9 (M-MA68)
Heat excha		ĸ	Louwer	fin & inner groo	wed tubing		Meher	be fin & inner grooved tubing
	0				weu tubiliy			
Refrigerant				_			LIE	ctronic expansion valve
Air handling Fan type &	Q'ty			Centrifugal fan				Propeller fan × 2
	arting method>	W		100 < Direct lir			86	× 2 < Direct line start >
Air flow (St	,	CMM		4 Hi:28 Me:				100
	atic pressure	Pa	8	35/100 (at 34Cl	MM)			_
Outdoor air	r intake			Possible				_
Air filter, Q	'ty			Procure local	lly			_
Shock & vib	ration absorber		Rubbe	er sleeve (for fa	an motor)		Rubb	er sleeve (for Compressor)
nsulation (n	oise & heat)		F	Polyurethane f	orm			_
Electric heat	ter	W		_			2	20 (Crank case heater)
Remote con	troller			wire	d : RC-E4 (opti	on) wir	reless : RCN-KIT3-	E (option)
Room temp	perature control		Ther	rmostat by elec	ctronics			_
Safety equi	ipment			thermostat for t protection the				al thermostat for fan motor ischarge temperature protection.
Installation of	data	mm		Liquid line : I/	U \$\$\phi\$ 9.52 (3/8")	Pipe	ϕ 9.52 (3/8") \times 0.8	O/U φ9.52 (3/8")
Refrigerant	t piping size	mm		Gas line : I/	U φ15.88 (5/8	") Pipe	ϕ 15.88 (5/8") \times 1.	Ο Ο/U φ 15.88 (5/8")
Connecting	g method			Flare piping				Flare piping
Refrigerant li	ne (one way) length				Max.100m			
Vertical heigh	t difference between			Max.30m	Outdoor unit is	higher))	※1. See page 99
outdoor unit	and indoor unit			Max.15m	Outdoor unit is	lower)		
Refrigerant	Quantity			R410A 4.5k	g in outdoor ur	nit (incl.	the amount for the	piping of : 30m)
Drain pump			E	Built-in Drain p	ump			
Drain			Hose	Connectable v	vith VP20		- F	loles size ϕ 20 × 3pcs
nsulation fo	r piping				Necessar	y (both	Liquid & Gas lines)	
Standard Ac	cessories			Drain hose				Edging
Notes ((1) The data are n	neasured	d at the following co	onditions.				
]	Item	Indoor	air temperature	Outdoor air	temperature	Fxtorn	al static pressure	
	Operation	DB	WB	DB	WB	-	ndoor unit [Pa]	
ľ	Cooling	27°C	19°C	35°C	24°C	0.1		
-		210	l			-	60	
((3) Sound pressu ambient temp	re level iı erature.	20°C ditioner is manufact ndicates the value ir licates when the air-	n an anechoic	chamber. Durin	ng opera	ation these value a	e somewhat higher due to
((5) Static pressure	e of optio	onal air filter "UM-Fl troller is used, only 3	L3E" is 5Pa ini	tially.			

	_	Model		-		FDUM1	25VSXVD	
			Ind	loor unit FDUM	125VD		0	utdoor unit FDC125VSX
Item				_				
Power source							380-415	V 3N~50Hz / 380V 3N~60Hz
Operation dat				Cooling				Heating
Nominal cap	,	kW	12.5	[5.0 (Min.) ~ 14	.0 (Max.)]		14.0	0 [4.0 (Min.)~18.0 (Max.)]
Power consu	umption	kW		3.62				3.77
Running cur	rent	A		5.3 / 5.6				5.6 / 5.8
Power factor	r	%		99 / 98				97 / 99
Inrush currer	nt	A			5 < M	ax.runni	ng current 15 >	
Sound Press	sure Level	dB(A)	P-Hi : 4	11 Hi:38 Me:	36 Lo:33		C	ooling: 48 Heating: 50
Exterior dime Height x Wic		mm		350 × 1,370 ×	635			1,300 × 970 × 370
Exterior appea (Munsell colo				_			(4.2	Stucco White 2Y7.5/1.1) near equivalent
Net weight		kg		59				105
Refrigerant ec Compressor				_				RMT5134MDE3 × 1
Starting met	thod			_			1	Direct line start
Refrigerant of		e		_			1	0.9 (M-MA68)
Heat exchan			Louver	fin & inner groo	oved tubina		M sha	pe fin & inner grooved tubing
Refrigerant o	<u> </u>		200101					ectronic expansion valve
Air handling e								
Fan type & C				Centrifugal fan	× 3			Propeller fan × 2
	rting method>	W	50 +	100 < Direct lir	ne start >		86	δ × 2 < Direct line start >
Air flow (Star		CMM		34 Hi:28 Me:				100
External stat	· · ·	Pa		85/100 (at 34C)				
Outdoor air i	· ·	ι α.		Possible		1		
Air filter, Q'ty			Possible Procure locally					_
	y ation absorber		Dishe	per sleeve (for fa	,		Dubb	 per sleeve (for Compressor)
			nuDL		,		nubu	
Insulation (noi Electric heate	,	w		Polyurethane f	UIII			 20 (Crank case heater)
		vv			d . DC EA lant	ion)	1	, ,
Remote contr						ION) WI	reless : RCN-KIT3-	
rioom tempe	erature control			ermostat by elec				
Safety equip				al thermostat for	ermostat		Abnormal o	hal thermostat for fan motor discharge temperature protection.
Installation da		mm			[′] U φ9.52 (3/8"	<u>/ </u>		B O/U φ 9.52 (3/8")
Refrigerant p					1) Pipe	φ 15.88 (5/8") × 1	0 Ο/U φ 15.88 (5/8")
Connecting				Flare piping	,			Flare piping
0	e (one way) length				Max.100m			
-	difference between				Outdoor unit i)	%1. See page 99
outdoor unit ar					(Outdoor unit i	,		
Refrigerant (Quantity				0	nit (incl.	the amount for the	e piping of : 30m)
Drain pump				Built-in Drain p	•			
Drain			Hose	Connectable v				Holes size $\phi 20 \times 3pcs$
Insulation for						ry (both	Liquid & Gas lines	,
Standard Acc	cessories			Drain hose				Edging
Notes (1)) The data are m	leasured	at the following co	onditions.				
	Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure	
	Operation	DB	WB	DB	WB	-	ndoor unit [Pa]	
	Cooling	27°C	19°C	35°C	24°C	1		
\vdash	Heating	-	20°C	7°C	6°C	1	60	
(3)) This packaged) Sound pressur ambient tempe) The operation	e level ir erature. data indi	litioner is manufac	tured and teste n an anechoic o -conditioner is o	d in conformity chamber. Durir operated at 40	ng opera	ation these value a	re somewhat higher due to

Operation data Nominal capad Power consum Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor	acity mption ent t ure Level sions h x Depth rance r) uipment ype & Q'ty od	kW kW A % dB(A) mm kg	14.0	door unit FDUM <u>Cooling</u> [5.0 (Min.) ~ 16 4.34 19.3 / 20.1 98 41 Hi : 38 Me : 350 × 1,370 × 6	.0 (Max.)] 5 < Ma	ax.runnin	220-2	2400 unit FDC140VNX 240V ~ 50Hz / 220V ~ 60Hz Heating 0 [4.0 (Min.) ~ 18.0 (Max.)] 4.69 20.8 / 21.8
Power source Operation data Nominal capac Power consum Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	acity mption ent t ure Level sions h x Depth rance r) uipment ype & Q'ty od	kW A A dB(A) mm		[5.0 (Min.)~16 4.34 19.3 / 20.1 98 41 Hi : 38 Me :	5 < Ma	ax.runnin		Heating 0 [4.0 (Min.) ~ 18.0 (Max.)] 4.69
Operation data Nominal capao Power consum Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standat</startin 	acity mption ent t ure Level sions h x Depth rance r) uipment ype & Q'ty od	kW A A dB(A) mm		[5.0 (Min.)~16 4.34 19.3 / 20.1 98 41 Hi : 38 Me :	5 < Ma	ax.runnin		Heating 0 [4.0 (Min.) ~ 18.0 (Max.)] 4.69
Nominal capac Power consum Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	acity mption ent t ure Level sions h x Depth rance r) uipment ype & Q'ty od	kW A A dB(A) mm		[5.0 (Min.)~16 4.34 19.3 / 20.1 98 41 Hi : 38 Me :	5 < Ma	ax.runnin	16.0	0 [4.0 (Min.) ~ 18.0 (Max.)] 4.69
Power consum Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	it it it it it it ine Level sions h x Depth rance r) ipment ype & Q'ty od	kW A A dB(A) mm		4.34 19.3 / 20.1 98 41 Hi : 38 Me :	5 < Ma	ax.runnin	16.0	4.69
Running currer Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant cor Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	it int Level sions h x Depth rance r) uipment ype & Q'ty od	A % A dB(A) mm	P-Hi : 4	19.3 / 20.1 98 41 Hi : 38 Me :		ax.runnin		
Power factor Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting methoo Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	t ire Level sions h x Depth rance r) uipment ype & Q'ty od	% A dB(A) mm	P-Hi : 4	98 41 Hi:38 Me:		ax.runnin		20.8 / 21.8
Inrush current Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	Ire Level sions h x Depth rance) Jipment ype & Q'ty od	A dB(A) mm	P-Hi : 4	41 Hi:38 Me:		ax.runnin		
Sound Pressur Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	Ire Level sions h x Depth rance) Jipment ype & Q'ty od	dB(A) mm	P-Hi : 4			ax.runnin		98
Exterior dimensi Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equi Compressor ty Starting methoo Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	sions h x Depth rance) uipment ype & Q'ty od	mm	P-Hi : 4		36 Lo:33	1	g current 26 >	
Height x Width Exterior appeara (Munsell color) Net weight Refrigerant equij Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	h x Depth rance) uipment ype & Q'ty od			350 × 1.370 × 6			C	ooling : 49 Heating : 52
(Munsell color) Net weight Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	r) uipment ype & Q'ty od	kg			635			1,300 × 970 × 370
Refrigerant equi Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	ype & Q'ty od	kg		_			(4.2	Stucco White Y7.5/1.1) near equivalent
Compressor ty Starting metho Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	ype & Q'ty od			59				105
Refrigerant oil Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 				_				RMT5134MDE2 × 1
Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 	1			_				Direct line start
Heat exchange Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 		l						0.9 (M-MA68)
Refrigerant cor Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 			Louver	fin & inner groo	ved tubing		M shar	be fin & inner grooved tubing
Air handling equ Fan type & Q'ty Motor <startin Air flow (Standa</startin 								ectronic expansion valve
Motor <startin Air flow (Standa</startin 	uipment			Centrifugal fan	× 3			Propeller fan × 2
Air flow (Standa	-	W	50 +	100 < Direct lin	e start >		86	3 x 2 < Direct line start >
		CMM		34 Hi:28 Me:				100
	,	Pa		85 / 100 (at 34C				
Outdoor air inta	· ·	14		Possible	101101)			
Air filter, Q'ty	lake			Procure local	lv.			
Shock & vibratio	ion absorber		Bubł	per sleeve (for fa	,		Bubb	er sleeve (for Compressor)
Insulation (noise			Tube	Polyurethane for	,		TUDE	
Electric heater	ie difficatj	W			5111			20 (Crank case heater)
Remote controlle	ller			wire	d · BC-F4 (opti	on) wire	eless : RCN-KIT3-	
Room tempera			The	ermostat by elec				
Safety equipme			Interna	al thermostat for st protection the	fan motor			al thermostat for fan motor lischarge temperature protection.
Installation data	a			Liquid line : I/U		Pipe d		O/U φ9.52 (3/8")
Refrigerant pipi		mm		· ·	, , ,	• /	, ,	O/U φ 15.88 (5/8")
Connecting me				Flare piping	,	φ υ .μ.φ		Flare piping
Refrigerant line (or					Max.100m	1		
Vertical height diffe outdoor unit and in	fference between			Max.30m (Outdoor unit is Outdoor unit is	• ,		*1. See page 99
Refrigerant Qua	uantity			R410A 4.5k	g in outdoor u	nit (incl. t	he amount for the	piping of : 30m)
Drain pump	-			Built-in Drain pu	ump	·		
Drain				e Connectable w			ŀ	Holes size $\phi 20 \times 3pcs$
Insulation for pip	iping				Necessar	y (both L	iquid & Gas lines)	
Standard Acces	ssories			Drain hose			· · · · ·	Edging
Notes (1) Th	The data are m	easured	l at the following co	onditions.				
	Item	Indoor	air temperature	Outdoor air	temperature	Externo	al static pressure	
	Operation	DB	WB	DB	WB	-	door unit [Pa]	
	Cooling	27°C	19°C	35°C	24°C			
	-	210	20°C	7°C	6°C	-	60	
(2) TI (3) Se	Heating This packaged		ditioner is manufac ndicates the value i	tured and teste	d in conformity		e ISO.	

	Model				FD0M14	IOVSXVD	
		Inc	loor unit FDUN	1140VD	Outdoor unit FDC140VSX		
Item			-				
Power source						380-415	/ 3N~50Hz / 380V 3N~60Hz
Operation data			Cooling				Heating
Nominal capacity	kW	14.0	[5.0 (Min.) ~ 16	5.0 (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 < M	ax.runnir	ng current 15 >	
Sound Pressure Level	dB(A)	P-Hi : 4	11 Hi:38 Me	:36 Lo:33		C	ooling : 49 Heating : 52
Exterior dimensions Height x Width x Depth	mm		350 × 1,370 ×	635			1,300 × 970 × 370
Exterior appearance (Munsell color)			_			(4.2	Stucco White Y7.5/1.1) 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 gro	oved tubing		M shap	pe fin & inner grooved tubing
Refrigerant control			_	_		Ele	ectronic expansion valve
Air handling equipment Fan type & Q'ty			Centrifugal far	1 × 3			Propeller fan × 2
Motor <starting method=""></starting>	W	50 +	100 < Direct li	ne start >		86	3 x 2 < Direct line start >
Air flow (Standard)	СММ	P-Hi : 3	34 Hi:28 Me	: 25 Lo : 22			100
External static pressure	Pa		35 / 100 (at 340				_
Outdoor air intake			Possible	,			_
Air filter, Q'ty			Procure loca	ally			_
Shock & vibration absorber		Bubh	per sleeve (for f	,		Bubh	per sleeve (for Compressor)
Insulation (noise & heat)		Tube	Polyurethane f	,		1000	
Electric heater	w			Ionn			20 (Crank case heater)
Remote controller	**		wire	d · BC-E4 (opt	ion) wir	eless : RCN-KIT3-	
Room temperature control		The	ermostat by ele		1011) 1011		
Room temperature control			al thermostat fo			latore	al thermostat for fan motor
Safety equipment			st protection the	ermostat	<u> </u>	Abnormal d	lischarge temperature protection.
Installation data	mm			<u> </u>			Ο/U φ 9.52 (3/8")
Refrigerant piping size)Pipe ¢	515.88 (5/8") × 1.0	Ο/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 is	· ·		%1. See page 99
outdoor unit and indoor unit				(Outdoor unit is	,		
Refrigerant Quantity				•	nit (incl.	the amount for the	e piping ot : 30m)
Drain pump			Built-in Drain p				
Drain		Hose	Connectable V	-			Holes size $\phi 20 \times 3pcs$
Insulation for piping					ry (both l	Liquid & Gas lines)	
Standard Accessories			Drain hose	9			Edging
Notes (1) The data are n	neasured	at the following co	onditions.				
Item	Indoor	air temperature	Outdoor air	temperature	Externa	al static pressure	
Operation	DB	WB	DB	WB	-	ndoor unit [Pa]	
Cooling	27°C	19°C	35°C	24°C			
Heating	0	20°C	7°C	6°C	1	60	
		4			1		
(3) Sound pressu ambient temp(4) The operation	re level ir erature. data ind	ditioner is manufac ndicates the value i icates when the air onal air filter "UM-F	n an anechoic -conditioner is	chamber. Durir operated at 40	ng opera	tion these value a	re somewhat higher due to

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

	_	Model	FDUM10 Indoor unit FDUM50VD (2 units)				OVNXPVD		
			Indoc	r unit FDUM50V	D (2 units)		0	utdoor unit FDC100VNX	
tem				_					
Power sour							220-2	240V~50Hz / 220V~60Hz	
Operation of		1.14/	10.0	Cooling	0 (0.4)]			Heating	
Nominal o		kW	10.0	[4.0 (Min.)~11	.2 (Max.)]		11.2	2 [4.0 (Min.)~12.5 (Max.)]	
Power cor		kW		2.94				2.94	
Running c		A		13.0 / 13.6				13.0 / 13.6	
Power fac	-	% A		98	E . Ma			98	
	essure Level		D LLi -	35 Hi:34 Me:		ax.rummi	ng current 24 >	ooling : 48 Heating : 50	
Exterior din		dB(A)	F-NI.	35 HI. 34 IVIE.	31 LU.20		0	Colling . 46 Heating . 50	
Height x V	Vidth x Depth	mm		299 × 750 × 6	35			1,300 × 970 × 370	
Exterior app Munsell c)				_			(4.5	Stucco White 2Y7.5/1.1) near equivalent	
Vet weight	0001)	ka		34			(4.2	105	
	aquinmont	kg		54				105	
Compress	equipment or type & Q'ty			_				RMT5134MDE2 × 1	
Starting m				_				Direct line start	
Refrigeran		l						0.9 (M-MA68)	
Heat exch	0		Louve	r fin & inner groo	ovea tubing	· · · · · · · · · · · · · · · · · · ·	pe fin & inner grooved tubing		
Refrigeran						El El	ectronic expansion valve		
Fan type &				Centrifugal fan			Propeller fan × 2		
	tarting method>	W		60 < Direct line start >				5 x 2 < Direct line start >	
Air flow (S	,	CMM	P-Hi :	P-Hi:14 Hi:13 Me:12 Lo:11				100	
	tatic pressure	Pa		85/90 (at 14CN	/M)			—	
Outdoor a				Possible					
Air filter, C				Procure locally					
	pration absorber		Rub	ber sleeve (for fa	,		Rubt	per sleeve (for Compressor)	
,	noise & heat)			Polyurethane for	orm			_	
Electric hea		W				· · ·		20 (Crank case heater)	
Remote co						on) wir	eless : RCN-KIT3-	E (option)	
Room terr	perature control			ermostat by elec					
Safety equ			Fro	al thermostat for st protection the	ermostat		Abnormal c	hal thermostat for fan motor lischarge temperature protection.	
nstallation		mm						3") × 0.8 O/U φ 9.52 (3/8")	
	it piping size		Gas lir			(1/2") ×	0.8 ① <i>ϕ</i> 15.88 (5	/8") × 1.0 O/U <i>φ</i> 15.88 (5/8")	
Connectin	•			Flare piping				Flare piping	
	line (one way) length				Max.100m			 —	
outdoor unit	ht difference between and indoor unit			Max.15m (Outdoor unit is Outdoor unit is	lower)			
Refrigeran	-				0	up to the	e piping length of	30m) Outdoor unit	
Drain pump)			Built-in Drain p				-	
Drain			Hos	e Connectable v		. /		Holes size ϕ 20 x 3pcs	
Insulation for				Ducia la s		y (both l	_iquid & Gas lines)		
Standard A				Drain hose				Edging	
INOTES			at the following o			1_			
	Item		air temperature		temperature	-	al static pressure		
	Operation	DB	WB	DB	WB	otir	ndoor unit [Pa]		
	Cooling	27°C	19°C	35°C	24°C	-	60		
	Heating		20°C	7°C	0°C				
	(3) Sound pressur ambient temp(4) The operation(5) Indoor unit sport	re level ir erature. data ind ecificatio	icates when the a	in an anechoic o ir-conditioner is apacity and oper	chamber. Durin operated at 230 ration data is tw	ig opera 0V50Hz vo indoc	tion these value a or 220V60Hz. or units are combin	re somewhat higher due to ned and run together.	

		Model				DUM100	OVSXPVD			
			Indoor	unit FDUM50V	D (2 units)		Outdoor unit FDC100VSX			
Item				-						
Power source				0 "			380-415	/ 3N~50Hz / 380V 3N~60Hz		
Operation da		1.3.67	10.0	Cooling 10.0 [4.0 (Min.)~11.2 (Max.)]				Heating		
Nominal ca	. ,	kW	10.0					11.2 [4.0 (Min.)~16.0 (Max.)]		
Power cons		kW	2.94					2.94		
Running cur		A %		4.3 / 4.6				4.3 / 4.6		
Power facto		% A		99/97	5 . Ma		ng current 15 >	99797		
Sound Pres		dB(A)		35 Hi:34 Me:			<u> </u>	coling : 18 Heating : 50		
Exterior dime		UB(A)	P-HLL	SS FIL: 34 IVIE:	31 L0:20		0	ooling : 48 Heating : 50		
Height x Wi	dth x Depth	mm		299 × 750 × 6	35			1,300 × 970 × 370		
Exterior appe (Munsell col				_			(4.2	Stucco White ?Y7.5/1.1) near equivalent		
Net weight		kg		34				105		
Refrigerant e	quipment r type & Q'ty			_				RMT5134MDE3 × 1		
Starting met				_				Direct line start		
Refrigerant		l		_				0.9 (M-MA68)		
Heat exchar		~	Louver	fin & inner groc	oved tubing		M sha	pe fin & inner grooved tubing		
Refrigerant	0							ectronic expansion valve		
Air handling e Fan type & (equipment			– Centrifugal fan × 2				Propeller fan × 2		
	rting method>	W	6	0 < Direct line s	tart >			3 x 2 < Direct line start >		
Air flow (Sta		CMM	-	14 Hi:13 Me:				100		
External sta	,	Pa		85/90 (at 14CM						
Outdoor air		i u		Possible						
Air filter, Q't				Procure local	lv					
	ation absorber		Rubi	per sleeve (for fa	,		Rubb	per sleeve (for Compressor)		
Insulation (no				Polyurethane for	,			_		
Electric heate	,	W		_				20 (Crank case heater)		
Remote cont	roller			wire	d : RC-E4 (opti	on) wire	eless : RCN-KIT3-	E (option)		
Room temp	erature control		The	ermostat by elec	tronics	,		_		
Safety equip	oment			al thermostat for st protection the				nal thermostat for fan motor lischarge temperature protection.		
Installation da	ata					(3/8") ×		$3") \times 0.8 O/U \phi 9.52 (3/8")$		
Refrigerant		mm		, ,	7 = 1	<u>, ,</u>	- 1 (/8") × 1.0 O/U φ 15.88 (5/8")		
Connecting				Flare piping		(.,_)		Flare piping		
Ũ	e (one way) length				Max.100m		L			
-	difference between				Outdoor unit is Outdoor unit is	5.7		※1. See page 99		
Refrigerant						,	pining length of	30m) Outdoor unit		
Drain pump	Quantity			Built-in Drain p				_		
Drain pump				e Connectable w				Holes size ϕ 20 x 3pcs		
Insulation for	nining		1056			v (hoth I	ا iquid & Gas lines]			
Standard Acc				Drain hose	146063301			Edging		
		leasured	at the following c				I			
140.63 (1 Г	, 			1		-				
F	Item		air temperature	+	temperature	-	al static pressure			
Ļ	Operation	DB	WB	DB	WB	otin	idoor unit [Pa]			
	Cooling	27°C	19°C	35°C	24°C	-	60			
	Heating		20°C	7°C	0°C					
(3 (4 (5 (6) Sound pressur ambient tempe) The operation) Indoor unit spe	re level ir erature. data indi ecificatio e set "DI	cates when the air ns for one unit. Ca S-WA1"×1(option).	in an anechoic of r-conditioner is of pacity and oper . ① : Pipe of O/	chamber. Durin operated at 400 ration data is tv	ig operat 0V50Hz vo indoo	tion these value a or 380V60Hz. r units are combir	re somewhat higher due to ned and run together.		

Adapted to	RoHS	directive
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		Model				DUM12	SVNXPVD	
Item			Indoor	unit FDUM60V	D (2 units)		0	utdoor unit FDC125VNX
Power sour				-			220.0	240V~50Hz / 220V~60Hz
Operation d				Cooling			220-2	Heating
Nominal c		kW	12 5 [5.0 (Min.)~14	0 (Max)]		14 () [4.0 (Min.)~17.0 (Max.)]
Power con		kW	12.0 [3.86	.0 (Max.)]		14.0	4.10
Running ci		A		17.1 / 17.9				18.2 / 19.0
Power fact		%		98				98
Inrush curr		A			5 < Ma	ax.runnir	ig current 26 >	
	ssure Level	dB(A)	P-Hi : 3	8 Hi:34 Me:			<u> </u>	ooling : 48 Heating : 50
Exterior dim Height x W	iensions /idth x Depth	mm		299 × 950 × 6				1,300 × 970 × 370
Exterior app (Munsell co				_			(4.2	Stucco White Y7.5/1.1) near equivalent
Net weight	,	kg		40				105
Refrigerant Compress	equipment or type & Q'ty			_				RMT5134MDE2 × 1
Starting m	ethod			_				Direct line start
Refrigeran		l		_				0.9 (M-MA68)
Heat excha	anger		Louver	fin & inner groc	ved tubing		M sha	be fin & inner grooved tubing
Refrigeran				_				ectronic expansion valve
Air handling Fan type &	equipment Q'ty			Centrifugal fan	× 2			Propeller fan × 2
Motor <st< td=""><td>arting method></td><td>W</td><td>10</td><td>0 < Direct line s</td><td>start ></td><td></td><td>86</td><td>S x 2 < Direct line start ></td></st<>	arting method>	W	10	0 < Direct line s	start >		86	S x 2 < Direct line start >
Air flow (St	tandard)	CMM	P-Hi : 1	8 Hi:16 Me:	15 Lo:14			100
External st	atic pressure	Pa	8	5 / 100 (at 18C	MM)			_
Outdoor ai	r intake			Possible				_
Air filter, Q	'ty			Procure local	ly			-
Shock & vib	ration absorber		Rubb	er sleeve (for fa	an motor)		Rubb	per sleeve (for Compressor)
Insulation (n	ioise & heat)			Polyurethane for	orm			-
Electric hea	ter	W		_				20 (Crank case heater)
Remote cor	ntroller			wire	d : RC-E4 (opti	on) wire	eless : RCN-KIT3-	E (option)
Room tem	perature control		The	rmostat by elec	ctronics			_
Safety equ	ipment			I thermostat for t protection the				al thermostat for fan motor lischarge temperature protection.
Installation		mm				<u> </u>		3") × 0.8 Ο/U φ 9.52 (3/8")
	t piping size		Gas line	: I/U φ 12.7 (1/2") ② <i>ϕ</i> 12.7	(1/2") ×	0.8 ① φ 15.88 (5	/8") × 1.0 O/U <i>φ</i> 15.88 (5/8")
Connectin	•			Flare piping				Flare piping
Vertical heigh	ne (one way) length at difference between			Max.30m (Max.100m Outdoor unit is	· ·		*1. See page 99
	and indoor unit				Outdoor unit is	,		
Refrigeran					· •	up to the	e piping length of	30m) Outdoor unit
Drain pump				Built-in Drain pu				-
Drain			Hose	Connectable w		a		Holes size ϕ 20 × 3pcs
Insulation fo					Necessar	y (both L	iquid & Gas lines)	
Standard Ad				Drain hose				Edging
Notes	1) The data are m	leasured	I at the following co	nditions.				
	Item	Indoor	air temperature	Outdoor air	temperature		al static pressure	
	Operation	DB	WB	DB	WB	of in	door unit [Pa]	
	Cooling	27°C	19°C	35°C	24°C		60	
	Heating		20°C	7°C	6°C		00	
	 (3) Sound pressur ambient tempe (4) The operation (5) Indoor unit spe (6) Branching pipe 	e level ir erature. data indi ecificatio e set "DI	icates when the air-	n an anechoic o conditioner is o pacity and oper ① : Pipe of O/	chamber. Durin operated at 230 ration data is tv U \sim Branch, $②$	g operat 0V50Hz vo indoo	ion these value a or 220V60Hz. r units are combir	re somewhat higher due to ned and run together.

	_	Model				DUM125	5VSXPVD			
			Indoo	r unit FDUM60V	D (2 units)		0	utdoor unit FDC125VSX		
Item				_						
Power source							380-415	/ 3N~50Hz / 380V 3N~60Hz		
Operation d				Cooling				Heating		
Nominal c		kW	12.5	12.5 [5.0 (Min.)~14.0 (Max.)]				14.0 [4.0 (Min.)~18.0 (Max.)]		
Power con		kW		3.86				4.10		
Running cu		A		5.7 / 6.0				6.0 / 6.4		
Power fact		%		98				99 / 97		
Inrush curr	-	A				ax.runnin	ig current 15 >			
	ssure Level	dB(A)	P-Hi:	38 Hi:34 Me:	31 Lo:28		C	ooling : 48 Heating : 50		
Exterior dim Height x W	ensions /idth x Depth	mm		299 × 950 × 6	35			1,300 × 970 × 370		
Exterior app (Munsell co				-			(4.2	Stucco White ?Y7.5/1.1) near equivalent		
Net weight		kg		40				105		
Refrigerant Compress	equipment or type & Q'ty			_				RMT5134MDE3 × 1		
Starting m				_				Direct line start		
Refrigerant		l		_				0.9 (M-MA68)		
Heat excha		ۍ ا	Louve	r fin & inner groo	oved tubing		M shar	be fin & inner grooved tubing		
Refrigerant			Louve					ectronic expansion valve		
Air handling Fan type &	equipment			– Centrifugal fan × 2				Propeller fan × 2		
	arting method>	W	1	00 < Direct line :	start >		84	3 x 2 < Direct line start >		
Air flow (St		CMM		18 Hi:16 Me:				100		
`	atic pressure	Pa		85 / 100 (at 18C						
Outdoor ai		14		Possible						
Air filter, Q				Procure local	llv					
,	ration absorber		Bub	ber sleeve (for fa	,		Bubb	per sleeve (for Compressor)		
	oise & heat)		11010	Polyurethane f	,					
Electric hea	,	W		_				20 (Crank case heater)		
Remote cor	-			wire	d : RC-E4 (opti	on) wire	eless : RCN-KIT3-	· · · · · · · · · · · · · · · · · · ·		
	perature control		Th	ermostat by elec				_		
Safety equ			Intern	al thermostat for st protection the	r fan motor			al thermostat for fan motor lischarge temperature protection.		
la stallation .	1-1-					(2/0")		B^{*} × 0.8 O/U ϕ 9.52 (3/8")		
Installation (pata t piping size	mm		, ,	, _ ,	· /	= 1	$(8^{\circ}) \times 0.8^{\circ} \text{ O/U} \phi 9.52 (3/8^{\circ})$ $(8^{\circ}) \times 1.0^{\circ} \text{ O/U} \phi 15.88 (5/8^{\circ})$		
-			Gas In			(1/2)×	0.ο ①φ 15.00 (5,			
Connecting	ne (one way) length			Flare piping	Max.100m		<u> </u>	Flare piping		
Vertical heigh	t difference between			Max.30m	Outdoor unit is	0 /		※1. See page 99		
	and indoor unit				Outdoor unit is	,	adada a 1 - 0 - 1	00) Out-la''		
Refrigerant	Quantity					up to the	e piping length of	30m) Outdoor unit		
Drain pump				Built-in Drain p						
Drain			Hos	e Connectable v				Holes size ϕ 20 × 3pcs		
Insulation fo				Duciality		y (doth L	iquid & Gas lines)			
Standard Ad			ot the fallouder	Drain hose				Edging		
NOTES (i) The data are n		l at the following c	1						
	Item	Indoor	air temperature	Outdoor air	temperature	-	al static pressure			
	Operation	DB	WB	DB	WB	of in	door unit [Pa]			
	Cooling	27°C	19°C	35°C	24°C		60			
	Heating		20°C	7°C	6°C		00			
	 Sound pressur ambient temperation The operation Indoor unit spectrum 	e level ir erature. data indi ecificatio e set "DI	icates when the ai ns for one unit. Ca S-WA1"×1(option)	in an anechoic or r-conditioner is apacity and oper . ① : Pipe of O/	chamber. Durin operated at 40 ration data is tv	g operat 0V50Hz vo indoo	ion these value ar or 380V60Hz. r units are combir	re somewhat higher due to ned and run together.		

		Model				DUM140	VNXPVD		
Itom		_	Indoor	unit FDUM71V	D (2 units)	Oi	utdoor unit FDC140VNX		
Item				_			000 (
Power sour				Caaling			220-2	240V~50Hz / 220V~60Hz	
Operation of Nominal of		kW	14.0	Cooling			Heating 16.0 [4.0(Min.)~18.0(Max.)]		
Power cor		kW	14.0	[5.0(Min.)~16 4.60	.0(iviax.)]		10.	4.69	
Running c		A						20.8 / 21.8	
Power fac		×		20.4 / 21.3 98				98	
Inrush cur		70 A		90	5 < Ma	av runnin	iq current 26 >	30	
	essure Level	dB(A)	P_Hi · ?	88 Hi:35 Me:			0	ooling : 49 Heating : 52	
Exterior din		ab(r)	1 111.0	0 111.00 Mic.	02 10.25		0	coming . 45 Theating . 62	
Height x V	/idth x Depth	mm		299 × 950 × 6	35			1,300 × 970 × 370	
Exterior app (Munsell c				-			(4.2	Stucco White ?Y7.5/1.1) near equivalent	
Net weight		kg		40				105	
Refrigerant Compress	equipment or type & Q'ty			_				RMT5134MDE2 × 1	
Starting m				_				Direct line start	
Refrigeran		l		_				0.9 (M-MA68)	
Heat exch			Louver	fin & inner groc	oved tubing		M shai	be fin & inner grooved tubing	
Refrigeran	•			_	5			ectronic expansion valve	
Air handling Fan type 8	l equipment Q'tv			Centrifugal fan	× 2			Propeller fan × 2	
	tarting method>	W	10	0 < Direct line s	start >		86	3 x 2 < Direct line start >	
Air flow (S		CMM	-	23 Hi:20 Me:				100	
,	atic pressure	Pa						_	
Outdoor a		- Tu	85 / 100 (at 20CMM) Possible						
Air filter, C				Possible Procure locally					
,	oration absorber		Rubb	per sleeve (for fa	,		Rubb	per sleeve (for Compressor)	
	noise & heat)		110101	Polyurethane for	,				
Electric hea	,	w		_				20 (Crank case heater)	
Remote cor				wire	d : RC-E4 (opti	on) wire	eless : RCN-KIT3-	1 /	
Room tem	perature control		The	ermostat by elec		,		_	
Safety equ	ipment			I thermostat for t protection the				nal thermostat for fan motor lischarge temperature protection.	
Installation	data			•		(3/8") ×		/8") × 0.8 Ο/U φ 9.52 (3/8")	
	t piping size	mm						5/8") × 1.0 O/U φ 15.88 (5/8")	
Connectin				Flare piping		0 (0, 0) !		Flare piping	
	ine (one way) length				Max.100m	I	1		
Vertical heigh	and indoor unit			Max.30m (Outdoor unit is Outdoor unit is	0 /		※1. See page 99	
Refrigeran						,	piping length of	30m) Outdoor unit	
Drain pump				Built-in Drain p					
Drain Drain				Connectable w			l	Holes size ϕ 20 × 3pcs	
Insulation for	or pipina		1036			v (both I	iquid & Gas lines		
Standard A				Drain hose		, (SOUL		Edging	
		leasured	I at the following co						
					to man ou - 1	-			
	Item		air temperature		temperature	-	al static pressure		
	Operation	DB	WB	DB	WB		door unit [Pa]		
	Cooling	27°C	19°C	35°C	24°C	-	60		
	Heating		20°C	7°C	O°6				
	 (3) Sound pressure (3) Sound pressure (4) The operation (5) Indoor unit specified 	re level ir erature. data ind ecificatio e set "DI	icates when the air ns for one unit. Ca S-WA1"×1(option).	n an anechoic o -conditioner is o pacity and oper ① : Pipe of O/	chamber. Durin operated at 230 ration data is tv U \sim Branch, $②$	g operat 0V50Hz vo indoo	ion these value a or 220V60Hz. r units are combir	re somewhat higher due to ned and run together.	

	Model	·			UUM140	VSXPVD			
Item		Indoor	unit FDUM71V	D (2 units)		Outdoor unit FDC140VSX			
Power source	\rightarrow		_			200 415	/ 3N~50Hz / 380V 3N~60Hz		
			Cooling			360-415			
Operation data	kW	14.0	5			16	Heating 0 [4.0(Min.)~20.0(Max.)]		
Nominal capacity Power consumption	kW	14.0	14.0 [5.0(Min.) ~ 16.0(Max.)]				4.69		
· · · ·	A		4.60				6.9 / 7.3		
Running current Power factor	A		6.8 / 7.1 98				98		
Inrush current	90 A		90	5 < M		g current 15 >	90		
Sound Pressure Level	dB(A)	P_Hi · ?	38 Hi:35 Me:			-	ooling : 49 Heating : 52		
Exterior dimensions	UD(A)	F-111. (50 TH. 55 Me.	32 L0.29		0	coming : 45 Theating : 52		
Height x Width x Depth	mm		299 × 950 × 6	635			1,300 × 970 × 370		
Exterior appearance (Munsell color)			_			(4.2	Stucco White Y7.5/1.1) 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	Ť	Louver	fin & inner groo	oved tubing		M shar	be fin & inner grooved tubing		
Refrigerant control				- 5			ectronic expansion valve		
Air handling equipment Fan type & Q'ty			Centrifugal fan	× 2			Propeller fan × 2		
Motor <starting method<="" td=""><td>d> W</td><td>1(</td><td>00 < Direct line</td><td>start ></td><td></td><td>86</td><td>3 x 2 < Direct line start ></td></starting>	d> W	1(00 < Direct line	start >		86	3 x 2 < Direct line start >		
Air flow (Standard)			23 Hi:20 Me:				100		
External static pressure	Pa		85 / 100 (at 200						
Outdoor air intake	14		Possible						
Air filter, Q'ty			Procure loca	llv					
Shock & vibration absorb	er	Bubb	per sleeve (for fa	,		Bubb	per sleeve (for Compressor)		
Insulation (noise & heat)			Polyurethane f	,		1000	_		
Electric heater	w						20 (Crank case heater)		
Remote controller			wire	d : BC-E4 (opti	on) wire	eless : RCN-KIT3-	· · · · · ·		
Room temperature cont	rol	The	ermostat by ele		<u> </u>				
			al thermostat fo			Intern	al thermostat for fan motor		
Safety equipment		Fros	st protection the	ermostat		Abnormal d	lischarge temperature protection.		
Installation data		Liquid lin	ne : I/U ϕ 9.52 (3	β/8") ②φ9.52	(3/8") ×	0.8 ① φ 9.52 (3,	/8") × 0.8 O/U φ 9.52 (3/8")		
Refrigerant piping size	mm	Gas line	: I/U <i>ф</i> 15.88 ((5/8") ② <i>ϕ</i> 15.8	8 (5/8") >	× 1.0 ①φ15.88 (5/8") × 1.0 O/U ϕ 15.88 (5/8")		
Connecting method			Flare piping	9			Flare piping		
Refrigerant line (one way) len	igth			Max.100m					
Vertical height difference betw	veen		Max.30m	(Outdoor unit is	s higher)		※1. See page 99		
outdoor unit and indoor unit			Max.15m	(Outdoor unit is	s lower)				
Refrigerant Quantity			R410A 4.5kg	g (Pre-charged	up to the	piping length of	30m) Outdoor unit		
Drain pump			Built-in Drain p	ump					
Drain		Hose	e Connectable v	with VP20		ŀ	Holes size ϕ 20 × 3pcs		
Insulation for piping				Necessar	y (both L	iquid & Gas lines)			
Standard Accessories			Drain hose				Edging		
Notes (1) The data a	re measured	d at the following co	onditions.						
Item	Indoor	air temperature	Outdoor air	temperature	Externa	Il static pressure			
Operation	DB	WB	DB	WB	-	door unit [Pa]			
Cooling	27°C	19°C	35°C	24°C					
Heating		20°C	7°C	6°C	1	60			
(3) Sound pre- ambient te(4) The operat(5) Indoor unit	ssure level in mperature. ion data ind specificatio	licates when the air	in an anechoic r-conditioner is pacity and ope	chamber. Durin operated at 40 ration data is ty	ng operat 0V50Hz o vo indoor	ion these value ar or 380V60Hz. r units are combir	re somewhat higher due to ned and run together.		

	_	Model				F	DUM14	OVNXTVD		
				Indoor	unit FDUM50V	D (3 units)		0	utdoor unit FDC140VNX	
Item					-					
Power sour	ce							220-2	240V~50Hz / 220V~60Hz	
Operation of	lata				Cooling				Heating	
Nominal of	capacity	kW		14.0	[5.0(Min.)~16	.0(Max.)]		16.	0 [4.0(Min.)~18.0(Max.)]	
Power cor	sumption	kW			4.60				4.69	
Running c	urrent	A			20.4 / 21.3				20.8 / 21.8	
Power fac	tor	%			98				98	
Inrush cur	rent	A				5 < Ma	ax.runni	ng current 26 >		
Sound Pre	essure Level	dB(A)		P-Hi : 3	85 Hi:34 Me:	31 Lo:28		C	ooling : 49 Heating : 52	
Exterior din Height x V	nensions Vidth x Depth	mm			299 × 750 × 6	35			1,300 × 970 × 370	
Exterior app (Munsell c					_			(4.2	Stucco White ?Y7.5/1.1) near equivalent	
Net weight		kg			34				105	
•	equipment or type & Q'ty				_				RMT5134MDE2 × 1	
Starting m	ethod				_				Direct line start	
Refrigeran		e			_				0.9 (M-MA68)	
Heat exch				Louver fin & inner grooved tubing				M sha	be fin & inner grooved tubing	
Refrigeran	•							M shape fin & inner grooved tubing Electronic expansion valve		
•	equipment								•	
Fan type &	Q'ty			Centrifugal fan × 2				Propeller fan × 2		
	tarting method>	W		60 < Direct line start > P-Hi : 14 Hi : 13 Me : 12 Lo : 11				86	S x 2 < Direct line start >	
Air flow (S	,	CMM							100	
	tatic pressure	Pa			85 / 90 (at 14Cl	MM)		1		
Outdoor a					Possible				—	
Air filter, C	?'ty				Procure local					
Shock & vit	oration absorber			Rubb	er sleeve (for fa	an motor)		Rubb	per sleeve (for Compressor)	
Insulation (r	noise & heat)				Polyurethane for	orm			_	
Electric hea	iter	W			—			:	20 (Crank case heater)	
Remote co	ntroller				wire	d : RC-E4 (opti	ion) wir	eless : RCN-KIT3-	E (option)	
Room terr	perature control			The	ermostat by elec	ctronics			_	
Safety equ	uipment				I thermostat for t protection the			-	nal thermostat for fan motor lischarge temperature protection.	
Installation	data			Liquid li	ne : I/U ϕ 6.35 (1/4") ② <i>ϕ</i> 9.52	2 (3/8") ×	0.8 ①φ9.52 (3/8	3") × 0.8 O/U φ 9.52 (3/8")	
Refrigeran	t piping size	mm		Gas line	e : Ι/U φ 12.7 (1/2") ②φ12.7	′ (1/2") ×	ο.8 ①φ15.88 (5,	/8") × 1.0 O/U <i>ϕ</i> 15.88 (5/8")	
Connectin	g method				Flare piping	l			Flare piping	
Refrigerant	ine (one way) length					Max.100m				
	nt difference between					Outdoor unit is	s higher)		※1. See page 100	
•	and indoor unit					Outdoor unit is	· ·			
Refrigeran	t Quantity				R410A 4.5kg	(Pre-charged	up to th	e piping length of	30m) Outdoor unit	
Drain pump)				Built-in Drain pu	ump			_	
Drain				Hose	Connectable w	vith VP20		H	Holes size ϕ 20 × 3pcs	
Insulation for	or piping					Necessar	y (both l	Liquid & Gas lines)		
Standard A					Drain hose			,	Edging	
Notes	(1) The data are n	neasured	at the follo	wina ca	onditions.					
					1	tomporatura	E.C.	-1 -4-41		
	Item		air tempera			temperature	-	al static pressure		
	Operation	DB		/B	DB	WB		ndoor unit [Pa]		
	Cooling	27°C		9°C	35°C	24°C	-	60		
	Heating		20°C		7°C	6°C				
	ambient temp (4) The operation	re level ir erature. data ind ecificatio	ndicates the icates wher ns for one i	e value i n the air unit. Ca	n an anechoic o -conditioner is o pacity and oper	chamber. Durin operated at 23 ration data is th	ng opera 0V50Hz nree indo	tion these value at or 220V60Hz. oor units are comb	re somewhat higher due to nined and run together.	

		Indoor	unit FDUM50V	D (3 units)		0	utdoor unit FDC140VSX			
Item			_							
Power source						380-415	V 3N~50Hz / 380V 3N~60Hz			
Operation data			Cooling				Heating			
Nominal capacity	kW	14.0	14.0 [5.0(Min.)~16.0(Max.)]				0 [4.0(Min.)~20.0(Max.)]			
Power consumption	kW		4.60				4.69			
Running current	Α		6.8 / 7.1				6.9 / 7.3			
Power factor	%		98				98			
Inrush current	A			5 < Ma	ax.runnir	ng current 15 >				
Sound Pressure Level	dB(A)	P-Hi : 3	35 Hi:34 Me:	31 Lo:28		C	ooling : 49 Heating : 52			
Exterior dimensions Height x Width x Depth	mm		299 × 750 × 6	35			1,300 × 970 × 370			
Exterior appearance (Munsell color)			_			(4.2	Stucco White 2Y7.5/1.1) near equivalent			
Net weight	kg		34			(105			
Refrigerant equipment	Ng		04				103			
Compressor type & Q'ty			_				RMT5134MDE3 × 1			
Starting method			-				Direct line start			
Refrigerant oil	l		-				0.9 (M-MA68)			
Heat exchanger		Louver	fin & inner groo	oved tubing			pe fin & inner grooved tubing			
Refrigerant control			-			Ele	ectronic expansion valve			
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2				Propeller fan × 2			
Motor <starting method=""></starting>	W	6	0 < Direct line s	tart >		86	6 x 2 < Direct line start >			
Air flow (Standard)	CMM	P-Hi : 1	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 local	lly			_			
Shock & vibration absorber		Rubb	per sleeve (for fa	an motor)		Rubb	per sleeve (for Compressor)			
nsulation (noise & heat)			Polyurethane f	orm			_			
Electric heater	W		_				20 (Crank case heater)			
Remote controller			wire	d : RC-E4 (opti	on) wir	eless : RCN-KIT3-	-E (option)			
Room temperature contro		The	ermostat by elec	ctronics			_			
Safety equipment			al thermostat for st protection the				nal thermostat for fan motor discharge temperature protection.			
Installation data			ie : I/U φ 6.35 (1	-	(3/8") ×		/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant piping size	mm		: I/U ϕ 12.7 (1	1 = 1	· /		$(5/8") \times 1.0 \text{ O/U} \phi 15.88 (5/8")$			
Connecting method		2.4010	Flare piping	, .	(=) ^		Flare piping			
Refrigerant line (one way) lengt	n			, Max.100m						
Vertical height difference betwee				Outdoor unit is	higher)		※1. See page 100			
outdoor unit and indoor unit				Outdoor unit is	5.,					
Refrigerant Quantity			R410A 4.5kg	(Pre-charged	up to the	e piping length of	30m) Outdoor unit			
Drain pump			Built-in Drain p	ump		-	-			
Drain			Connectable v			H	Holes size ϕ 20 × 3pcs			
Insulation for piping				Necessar	y (both l	Liquid & Gas lines))			
Standard Accessories			Drain hose				Edging			
Notes (1) The data are	measured	at the following co	onditions.							
Item	Indoor	air temperature	Outdoor air	temperature	Extorn	al static pressure				
Operation	DB	WB	DB	WB	-	ndoor unit [Pa]				
Cooling	27°C	19°C	35°C	24°C						
Heating	210	20°C	7°C	6°C	{	60				
(2) This package (3) Sound press ambient tem (4) The operatio (5) Indoor unit s	ure level in perature. n data ind pecificatio	ditioner is manufac ndicates the value i icates when the air	tured and teste in an anechoic o -conditioner is pacity and oper	d in conformity chamber. Durin operated at 40 ation data is th	ig opera 0V50Hz iree indo	tion these value as or 380V60Hz. oor units are comb	re somewhat higher due to pined and run together.			

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

	Model				FDU71	VNXVD		
		Ir	idoor unit FDU	71VD	0	outdoor unit FDC71VNX		
Item			_					
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 < Ma	ax.runni	ng current 17 >		
Sound Pressure Level	dB(A)		Hi:41 Lo:3	37		C	ooling : 51, Heating : 48	
Exterior dimensions Height x Width x Depth	mm		295 × 850 × 6	\$50		750 × 880 (+88) × 340		
Exterior appearance (Munsell color)			_			(4.2	Stucco White 2Y7.5/1.1) near equivalent	
Net weight	kg		40				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 groo	oved tubing		M sha	pe fin & inner grooved tubing	
Refrigerant control						-	ectronic expansion valve	
Air handling equipment Fan type & Q'ty			Centrifugal fan	1 × 2	Propeller fan x 1			
Motor <starting method=""></starting>	W	23	0 < Direct line	start >			86 < Direct line start >	
Air flow (Standard)	CMM		Hi:20 Lo:	17		C	ooling : 60, Heating : 50	
External static pressure	Pa	Sta	ndard : 60 Ma	ax : 130				
Outdoor air intake		Po	ssible (on retur	n duct)			_	
Air filter, Q'ty			Procure loca	,			_	
Shock & vibration absorber		Rubb	er sleeve (for fa	,	Rubb	per sleeve (for Compressor)		
nsulation (noise & heat)			Polyurethane f	,			_	
Electric heater	w						20 (Crank case heater)	
Remote controller			wire	d : BC-F4 (opti	on) wir	reless : RCN-KIT3-	,	
Room temperature contro		The	rmostat by ele					
Safety equipment		Interna	I thermostat fo t protection the	r fan motor			nal thermostat for fan motor lischarge temperature protection.	
Installation data			Liquid line : I/L	J \$\phi\$ 9.52 (3/8")	Pipe @	↓ 9.52 (3/8") × 0.8	O/U φ 9.52 (3/8")	
Refrigerant piping size	mm) Ο/U φ15.88 (5/8")	
Connecting method			Flare piping				Flare piping	
Refrigerant line (one way) lengt	h			Max.50m				
Vertical height difference betwee outdoor unit and indoor unit	-			(Outdoor unit is (Outdoor unit is	0 /)	※1. See page 99	
Refrigerant Quantity					-	the amount for the	e piping of : 30m)	
Drain pump			Built-in Drain p	0	(.		—	
Drain			Connectable v				Holes size ϕ 20 x 3pcs	
Insulation for piping		11000			v (both	Liquid & Gas lines		
Standard Accessories			Drain hose		,		<u> </u>	
Notes (1) The data are	measured	at the following co				I		
Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure		
Operation	DB	WB	DB	WB	of ii	ndoor unit [Pa]		
Cooling	27°C	19°C	35°C	24°C				
Heating		20°C	7°C	6°C	1	60		
(3) Sound press ambient tem (4) The operatio (5) External stat	ure level ir perature. n data ind ic pressure	icates when the air	n an anechoic -conditioner is rom standard e	chamber. Durin operated at 23 external static p	ig opera 0V50Hz	tion these value a	re somewhat higher due to o maximum external static	

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

	Model				FDU10	OVNXVD		
No		In	door unit FDU1	00VD		0	utdoor unit FDC100VNX	
Item			_				000.0401/ 5011	
Power source			O a a lia a				220-240V~50Hz	
Operation data	kW	10.01	Cooling	0 (Max)]		11 (Heating	
Nominal capacity	kW	10.0 [4.0 (Min.)~11	.2 (IVIAX.)]		11.2 [4.0 (Min.)~12.5 (Max.)] 2.90		
Power consumption	A		2.78				12.9	
Running current Power factor	A %		98				98	
Inrush current	9% A		90	5 - M		ng current 25 >	96	
Sound Pressure Level	dB(A)		Hi:42 Lo:3			, <u> </u>	ooling : 48 Heating : 50	
Exterior dimensions			TII. 42 LU. 3	<i></i>			coning . 46 Theating . 50	
Height x Width x Depth	mm		350 × 1,370 × 6	650			1,300 × 970 × 370	
Exterior appearance (Munsell color)			-			(4.2	Stucco White 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 groo	oved tubing		Straio	ht fin & inner grooved tubing	
Refrigerant control			_				ectronic expansion valve	
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2				Propeller fan × 2	
Motor <starting method=""></starting>	w	28	0 < Direct line s	start >		86	3 x 2 < Direct line start >	
Air flow (Standard)	CMM		Hi: 34 Lo: 2				100	
External static pressure	Pa	Sta	indard : 60 Ma				_	
Outdoor air intake	1 u		ssible (on return				_	
Air filter, Q'ty			Procure local	,			_	
Shock & vibration absorber		Bubb	er sleeve (for fa			Rubb	per sleeve (for Compressor)	
Insulation (noise & heat)			Polyurethane for	-			_	
Electric heater	W		_				20 (Crank case heater)	
Remote controller			wired	d : RC-E4 (opti	on) wir	reless : RCN-KIT3-	· · · · ·	
Room temperature contro	1	The	rmostat by elec		,		_	
Safety equipment			I thermostat for t protection the				nal thermostat for fan motor lischarge temperature protection.	
Installation data			Liquid line : I/U	J \$\$\phi\$ 9.52 (3/8")	Pipe d	/ 9.52 (3/8") × 0.8	O/U φ 9.52 (3/8")	
Refrigerant piping size	mm			1 1 1) Ο/U φ 15.88 (5/8")	
Connecting method			Flare piping		1 7		Flare piping	
Refrigerant line (one way) lengt	h			Max.100m		1		
Vertical height difference betwee	-			Outdoor unit is	s higher)		※1. See page 99	
outdoor unit and indoor unit				Outdoor unit is				
Refrigerant Quantity						the amount for the	e piping of : 30m)	
Drain pump		l	Built-in Drain pu	ump			_	
Drain			Connectable w				Holes size ϕ 20 x 3pcs	
Insulation for piping				Necessar	y (both l	Liquid & Gas lines)	
Standard Accessories			Drain hose				Edging	
Notes (1) The data are	measured	at the following co	onditions.					
Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure		
Operation	DB	WB	DB	WB	-	ndoor unit [Pa]		
Cooling	27°C	19°C	35°C	24°C				
Heating	270	20°C	7°C	6°C	1	60		
(2) This package (3) Sound press ambient tem (4) The operatio	ure level in perature. n data ind	ditioner is manufac ndicates the value in icates when the air-	tured and tester n an anechoic c -conditioner is c	d in conformity chamber. Durin operated at 23	ig opera 0V50Hz	tion these value a	re somewhat higher due to	
pressuer (hig	h static pi	e can be changed f ressure setting) by r re level become inc	remote controlle	er.			o maximum external static	

	Model		FDU100VSXVD Indoor unit FDU100VD Outdoor unit FDC100VSX								
		In	door unit FDU 1	100VD	0	utdoor unit FDC100VSX					
Item			_								
Power source							380-415V 3N~50Hz				
Operation data			Cooling				Heating				
Nominal capacity	kW	10.0	[4.0 (Min.)~11	.2 (Max.)]		11.2	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				ax.runnii	ng current 16 >					
Sound Pressure Level	dB(A)		Hi:42 Lo:3	37		C	ooling : 48 Heating : 50				
Exterior dimensions Height x Width x Dept	h mm		350 × 1,370 ×	650			1,300 × 970 × 370				
Exterior appearance (Munsell color)			_			(4.2	Stucco White ?Y7.5/1.1) near equivalent				
Net weight	kg		63				105				
Refrigerant equipment Compressor type & Q	ty		_				RMT5134MDE3 × 1				
Starting method	-		_				Direct line start				
Refrigerant oil	e		_				0.9 (M-MA68)				
Heat exchanger	×	Louver	fin & inner groo	oved tubing		M shai	be fin & inner grooved tubing				
Refrigerant control		Louver		uu			ectronic expansion valve				
Air handling equipment			Centrifugal fan	1 x 2			Propeller fan x 2				
Fan type & Q'ty	1						•				
Motor <starting meth<="" td=""><td></td><td>28</td><td>30 < Direct line</td><td></td><td></td><td>86</td><td>S x 2 < Direct line start ></td></starting>		28	30 < Direct line			86	S x 2 < Direct line start >				
Air flow (Standard)	CMM		Hi:34 Lo:2				100				
External static pressur	re Pa		andard : 60 Ma				_				
Outdoor air intake		Po	ssible (on retur	,			_				
Air filter, Q'ty			Procure loca	,			_				
Shock & vibration abso		Rubb	per sleeve (for f	,		Rubb	per sleeve (for Compressor)				
Insulation (noise & heat)	·		Polyurethane f	orm			_				
Electric heater	W					1	20 (Crank case heater)				
Remote controller					on) wir	eless : RCN-KIT3-	E (option)				
Room temperature co	ntrol		ermostat by ele				_				
Safety equipment			I thermostat fo t protection the				hal thermostat for fan motor lischarge temperature protection.				
Installation data	mm			1 1 1			O/U φ 9.52 (3/8")				
Refrigerant piping size)		Gas line : I/L	J <i>ф</i> 15.88 (5/8")	Pipe q	∲ 15.88 (5/8") × 1.0) O/U <i>ϕ</i> 15.88 (5/8")				
Connecting method			Flare piping				Flare piping				
Refrigerant line (one way) I	ength			Max.100m							
Vertical height difference be outdoor unit and indoor un				(Outdoor unit is (Outdoor unit is	· ·		%1. See page 99				
Refrigerant Quantity			R410A 4.5k	g in outdoor u	nit (incl.	the amount for the	e piping of : 30m)				
Drain pump			Built-in Drain p	ump			_				
Drain		Hose	Connectable v	vith VP20			Holes size ϕ 20 x 3pcs				
Insulation for piping				Necessar	y (both l	Liquid & Gas lines)					
Standard Accessories			Drain hose				Edging				
Notes (1) The data	are measured	at the following co	onditions.								
Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure					
Operation		WB	DB	WB	-	ndoor unit [Pa]					
Cooling	27°C	19°C	35°C	24°C							
Heating		20°C	7°C	6°C		60					
(2) This pack (3) Sound pr ambient (4) The oper	ressure level ir temperature. ration data indi static pressure	ditioner is manufac adicates the value i cates when the air	tured and teste n an anechoic -conditioner is from standard e	d in conformity chamber. Durin operated at 40 external static p	ig opera 0V50Hz	tion these value a	re somewhat higher due to o maximum external static				

	Model				FDU12	5VNXVD			
		In	door unit FDU 1	125VD		Οι	utdoor unit FDC125VNX		
Item			-						
Power source							220-240V~50Hz		
Operation data							Heating		
Nominal capacity	kW	12.5	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				ax.runnii	ng current 29 >			
Sound Pressure Level	l dB(A)		Hi:43 Lo:	38		C	ooling : 48 Heating : 50		
Exterior dimensions Height x Width x Dept	th mm		350 × 1,370 × 650				1,300 × 970 × 370		
Exterior appearance (Munsell color)			_		(4.2	Stucco White Y7.5/1.1) near equivalent			
Net weight	kg		63				105		
Refrigerant equipment Compressor type & Q			_				RMT5134MDE2 × 1		
Starting method			_				Direct line start		
Refrigerant oil	l		_				0.9 (M-MA68)		
Heat exchanger	×	Louver	fin & inner groo	oved tubing		Mehar	be fin & inner grooved tubing		
Refrigerant control		Louver		aroa tabiriy			ectronic expansion valve		
Air handling equipment									
Fan type & Q'ty			Centrifugal fan			Propeller fan × 2			
Motor <starting meth<="" td=""><td></td><td>37</td><td>0 < Direct line</td><td></td><td>86</td><td>3 x 2 < Direct line start ></td></starting>		37	0 < Direct line		86	3 x 2 < Direct line start >			
Air flow (Standard)	CMM		Hi:42 Lo:3		100				
External static pressu	re Pa	Sta	indard:60 Ma	ax : 130		_			
Outdoor air intake		Po	ssible (on retur	n duct)		_			
Air filter, Q'ty			Procure loca	,		_			
Shock & vibration abso		Rubb	er sleeve (for fa	,	Rubb	er sleeve (for Compressor)			
Insulation (noise & heat	,	Polyurethane form					_		
Electric heater	W		-			20 (Crank case heater)			
Remote controller					on) wir	eless : RCN-KIT3-	E (option)		
Room temperature co	ontrol		rmostat by ele			-			
Safety equipment			I thermostat fo t protection the				al thermostat for fan motor lischarge temperature protection.		
Installation data	mm		Liquid line : I/L	J φ 9.52 (3/8")	Pipe <i>d</i>	9.52 (3/8") × 0.8	O/U φ9.52 (3/8")		
Refrigerant piping size	e mm		Gas line : I/L	J φ 15.88 (5/8")	Pipe q	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")			
Connecting method			Flare piping	g	Flare piping				
Refrigerant line (one way)	length			Max.100m					
Vertical height difference be outdoor unit and indoor ur				(Outdoor unit is (Outdoor unit is	0 /		×1. See page 99		
Refrigerant Quantity			R410A 4.5k	kg in outdoor u	nit (incl.	the amount for the	e piping of : 30m)		
Drain pump			Built-in Drain p	ump			_		
Drain			Connectable v	· · ·		ŀ	Holes size ϕ 20 × 3pcs		
Insulation for piping				Necessar	y (both l	Liquid & Gas lines)			
Standard Accessories			Drain hose	•			Edging		
Notes (1) The data	a are measured	I at the following co	onditions.						
Item	Indoor	air temperature	Outdoor air	temperature	Extern	al static pressure			
Operatio		WB	DB	WB	-	ndoor unit [Pa]			
Cooling		19°C	35°C	24°C					
Heating		20°C	7°C	6°C	1	60			
(2) This pac (3) Sound p ambient (4) The oper	kaged air-con ressure level ir temperature. ration data ind static pressure	ditioner is manufac ndicates the value i icates when the air	tured and teste n an anechoic -conditioner is rom standard e	ed in conformity chamber. Durir operated at 23 external static p	ig opera 0V50Hz	tion these value a	re somewhat higher due to o maximum external static		

		Model				FDU12	SVSXVD			
			Inc	door unit FDU1	25VD		0	utdoor unit FDC125VSX		
Item				-						
Power source								380-415V 3N~50Hz		
Operation data			Cooling				Heating			
Nominal capa		kW	12.5 [5.0(Min.)~14.0(Max.)]				14.0 [4.0(Min.)~18.0(Max.)]			
Power consum	•	kW		3.44				3.67		
Running curre	ent	A		5.1			5.4			
Power factor		%		97				98		
Inrush current		A				ax.runnir	ng current 18 >			
Sound Pressu		dB(A)		Hi : 43 Lo : 38				ooling : 48 Heating : 50		
Exterior dimens Height x Width		mm	350 × 1,370 × 650					1,300 × 970 × 370		
Exterior appear (Munsell color				_		(4.2	Stucco White ?Y7.5/1.1) near equivalent			
Net weight		kg		63				105		
Refrigerant equ Compressor t				_				RMT5134MDE3 × 1		
Starting metho				_				Direct line start		
Refrigerant oil		l		_				0.9 (M-MA68)		
Heat exchang		~	l ouver	fin & inner groo	ved tubina		M sha	pe fin & inner grooved tubing		
Refrigerant co			200701					ectronic expansion valve		
Air handling eq Fan type & Q'	uipment			Centrifugal fan	× 2		Propeller fan × 2			
Motor <starti< td=""><td>-</td><td>W</td><td>37</td><td>0 < Direct line s</td><td>start ></td><td colspan="3">86 x 2 < Direct line start ></td></starti<>	-	W	37	0 < Direct line s	start >	86 x 2 < Direct line start >				
Air flow (Stand		CMM	57	Hi: 42 Lo: 33		100				
External static	,	Pa	Sta	indard : 60 Ma						
Outdoor air int	1	ιa		ssible (on return						
Air filter, Q'ty	lane		FU	Procure local	,					
Shock & vibrati	on absorber		Bubb	er sleeve (for fa	,	Bubh	per sleeve (for Compressor)			
Insulation (noise				Polyurethane for	,	Tube				
Electric heater	e a neatj	W						20 (Crank case heater)		
Remote control	llor	**		wire	d · BC-E4 (opti	on) wir	leless : RCN-KIT3-	· · · · · · · · · · · · · · · · · · ·		
Room tempera			The	rmostat by elec		011) 1011				
Room tempera				I thermostat for			Internal thermostat for fan motor			
Safety equipm	nent			t protection the			Abnormal discharge temperature protection.			
Installation data				Liquid line : I/U		Pine d	ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")			
Refrigerant pip		mm		· ·	, , ,	. /	()	1 ()		
Connecting m	-			Flare piping		Fipe 4	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8") Flare piping			
Refrigerant line (Max.100m					
Vertical height dif	,, ,				Outdoor unit is	highor		*1. See page 99		
outdoor unit and					Outdoor unit is			,		
Refrigerant Qu						,	the amount for the	e piping of : 30m)		
Drain pump	· · · · · · · · · · · · · · · · · · ·			Built-in Drain pu	•			_		
Drain partip Drain				Connectable w	· ·			Holes size $\phi 20 \times 3pcs$		
Insulation for pi	ipina					v (both I	iquid & Gas lines	· · ·		
Standard Acces				Drain hose		, ,	,	, Edging		
		neasurec	l at the following co				1			
	Item		air temperature	Outdoor air	temperaturo	Extern				
						1	al static pressure			
	Operation	DB	WB 10°C	DB	WB		of indoor unit [Pa]			
	Cooling	27°C	19°C	35°C	24°C		60			
	Heating		20°C	7°C	6°C					
(3) S (4) T (5) E	Sound pressur ambient tempe The operation External static	re level ir erature. data ind pressure	icates when the air-	n an anechoic c -conditioner is c rom standard e	chamber. Durin operated at 400 xternal static p	g opera)V50Hz	tion these value a	re somewhat higher due to o maximum external static		

		Model				FDU140	VNXVD		
			In	door unit FDU1	40VD		Οι	utdoor unit FDC140VNX	
Item				-					
Power sour	се							220-240V~50Hz	
Operation c	lata		Cooling					Heating	
Nominal o	capacity	kW	14.0 [5.0(Min.)~16.0(Max.)]				16.0 [4.0(Min.)~18.0(Max.)]		
Power cor	nsumption	kW		4.20			4.30		
Running c	urrent	A		18.6			19.1		
Power fac	tor	%		98				98	
Inrush cur	rent	A			5 < Ma	ax.runnir	ng current 30 >		
Sound Pre	essure Level	dB(A)		Hi:43 Lo:3	38		C	ooling : 49 Heating : 52	
Exterior din Height x V	nensions Vidth x Depth	mm		350 × 1,370 ×	650		1,300 × 970 × 370		
Exterior app (Munsell c				_			(4.2	Stucco White 2Y7.5/1.1) near equivalent	
Net weight		kg		63				105	
Refrigerant Compress	equipment or type & Q'ty			_				RMT5134MDE2 × 1	
Starting m	ethod			_				Direct line start	
Refrigeran		e		_				0.9 (M-MA68)	
Heat exch		-	Louver	fin & inner groo	oved tubina		M shar	pe fin & inner grooved tubing	
Refrigeran	0			_				ectronic expansion valve	
	equipment			Centrifugal fan	× 2	Propeller fan × 2			
	tarting method>	w	37	0 < Direct line :	start >	86 x 2 < Direct line start >			
Air flow (S		CMM	01	Hi: 42 Lo: 3		100			
,	tatic pressure	Pa	Sta	ndard : 60 Ma					
Outdoor a		14		ssible (on retur					
Air filter, C			10	Procure local	,				
,	oration absorber		Bubb	er sleeve (for fa	,	Bubh	per sleeve (for Compressor)		
	noise & heat)			Polyurethane f	,	Tube			
Electric hea	,	w			onn		20 (Crank case heater)		
Remote cor		••		wire	eless : RCN-KIT3-	,			
	perature control		The	rmostat by elec		011) 1011	_		
noom tem				I thermostat for			Internal thermostat for fan motor		
Safety equ			Fros	t protection the	ermostat		Abnormal discharge temperature protection. ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
Installation		mm			I φ 9.52 (3/8")	1 /	()	1 ()	
	t piping size				, , ,	Pipe ¢	φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")		
Connectin	•			Flare piping			Flare piping		
•	ine (one way) length				Max.100m				
0	nt difference between and indoor unit			Max.15m	Outdoor unit is Outdoor unit is	lower)		%1. See page 99	
Refrigeran	t Quantity			R410A 4.5k	g in outdoor ur	nit (incl.	the amount for the	e piping of : 30m)	
Drain pump)		I	Built-in Drain p	ump			_	
Drain			Hose	Connectable v	vith VP20		H	Holes size $\phi 20 \times 3pcs$	
Insulation for						y (both l	_iquid & Gas lines))	
Standard A	ccessories			Drain hose				Edging	
Notes	(1) The data are r		at the following co	nditions.					
	Item	Indoor	air temperature	Outdoor air	temperature	-	al static pressure		
	Operation	DB	WB	DB	WB	of ir	ndoor unit [Pa]		
	Cooling	27°C	19°C	35°C	24°C		60		
	Heating		20°C	7°C	6°C		60		
	(3) Sound pressu ambient temp(4) The operation(5) External static	re level ir erature. data indi pressure static pr	icates when the air e can be changed f essure setting) by r	n an anechoic o -conditioner is rom standard e remote controll	chamber. Durin operated at 230 external static p er.	g opera 0V50Hz	tion these value as (factory setting) to	re somewhat higher due to o maximum external static	

		Model									
			Inc	door unit FDU1	40VD		01	utdoor unit FDC140VSX			
Item				-							
Power source								380-415V 3N~50Hz			
Operation data			Cooling				Heating				
Nominal capacity		kW	14.0	14.0 [5.0(Min.)~16.0(Max.)]				16.0 [4.0(Min.)~20.0(Max.)]			
Power consumpti	on	kW		4.20				4.30			
Running current		A		6.2				6.3			
Power factor		%		98				99			
Inrush current		Α				ax.runnir	ng current 19 >				
Sound Pressure L		dB(A)		Hi: 43 Lo: 38				ooling : 49 Heating : 52			
Exterior dimension Height x Width x	-	mm		350 × 1,370 × 650				1,300 × 970 × 370			
Exterior appearanc (Munsell color)	e			-		(4.2	Stucco White 2Y7.5/1.1) near equivalent				
Net weight		kg		63				105			
Refrigerant equipm Compressor type				_				RMT5134MDE3 × 1			
Starting method				_				Direct line start			
Refrigerant oil		e						0.9 (M-MA68)			
Heat exchanger		ĸ	Louver	fin & inner groc	wed tubing		Mahar	be fin & inner grooved tubing			
•			Louver								
Refrigerant contro				_			L Ele	ectronic expansion valve			
Air handling equipr Fan type & Q'ty				Centrifugal fan		Propeller fan × 2					
Motor <starting< td=""><td>method></td><td>W</td><td>37</td><td>0 < Direct line s</td><td>start ></td><td colspan="3">86 x 2 < Direct line start ></td></starting<>	method>	W	37	0 < Direct line s	start >	86 x 2 < Direct line start >					
Air flow (Standard	I)	CMM		Hi:42 Lo:33	3.5		100				
External static pre	essure	Pa	Sta	ndard : 60 Ma	x : 130		_				
Outdoor air intake	e		Po	ssible (on returi		_					
Air filter, Q'ty				Procure local	lly		_				
Shock & vibration a	absorber		Rubb	er sleeve (for fa	an motor)	Rubb	per sleeve (for Compressor)				
Insulation (noise &	heat)		Polyurethane form					_			
Electric heater		W		_				20 (Crank case heater)			
Remote controller				wire	d : RC-E4 (opti	on) wir	eless : RCN-KIT3-	E (option)			
Room temperatur	e control		The	rmostat by elec	ctronics						
Safety equipment	:			I thermostat for t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.				
Installation data				Liquid line : I/U	φ 9.52 (3/8")	Pipe d	9.52 (3/8") × 0.8	O/U φ 9.52 (3/8")			
Refrigerant piping	l size	mm		Gas line : I/U	Φ 15.88 (5/8")	Pipe ¢	5.88 (5/8") × 1.0	Ο Ο/U φ 15.88 (5/8")			
Connecting meth	od			Flare piping		Flare piping					
Refrigerant line (one	way) length				Max.100m						
Vertical height differer outdoor unit and indo					Outdoor unit is Outdoor unit is			※1. See page 99			
Refrigerant Quant	tity					,	the amount for the	e piping of : 30m)			
Drain pump	-			Built-in Drain pu	0						
Drain				Connectable w			ŀ	Holes size $\phi 20 \times 3pcs$			
Insulation for piping	g					y (both l	Liquid & Gas lines)	, ,			
Standard Accesso	-			Drain hose				Edging			
Notes (1) The	data are m	easured	at the following co	onditions.				-			
	em		air temperature		temperature	Extern	al static pressure				
Oper	ration	DB	WB	DB	WB	of ir	ndoor unit [Pa]				
Coo	oling	27°C	19°C	35°C	24°C						
	ating		20°C	7°C	6°C	1	60				
(3) Sour amb (4) The (5) Exte	nd pressur ient tempe operation o rnal static	e level ir erature. data indi pressure	cates when the air-	n an anechoic o -conditioner is o rom standard e	chamber. Durin operated at 400 external static p	g opera 0V50Hz	tion these value a	re somewhat higher due to o maximum external static			

(6) Wall mounted type (SRK) (a) Twin type

		Model			S	RK100	VNXPZIX	
		mouor	Indoor	unit SRK50ZIX			Outdoor unit FDC100VNX	
Item				_				
Power sour	се						220-240V~50Hz / 220V~60Hz	
Operation c	lata			Cooling			Heating	
Nominal o	apacity	kW	10.0	[4.0(Min.)~11	.2(Max.)]		11.2 [4.0(Min.)~12.5(Max.)]	
Power cor	sumption	kW		2.66			2.60	
Running c	urrent	A		11.8 / 12.3			11.5 / 12.1	
Power fac	tor	%		98			98	
Inrush cur	rent	A			5 < Ma	x.runnir	ng current 24 >	
Sound Pre	ssure Level	dB(A)	Hi : 45 Me : 38 L	o:26(C) / Hi:4	5 Me : 38 Lo :	32(H)	Cooling : 48 Heating : 50	
Exterior dim Height x V	ensions /idth x Depth	mm		309 × 890 × 2	20		1,300 × 970 × 370	
Exterior app (Munsell c			(8.0Y	Fine snow 9.3/0.1) near e	quivalent		Stucco White (4.2Y7.5/1.1) near equivalent	
Net weight		kg		15			105	
Refrigerant Compress	equipment or type & Q'ty			_			RMT5134MDE2 × 1	
Starting m	ethod			_			Direct line start	
Refrigeran		le		_			0.9 (M-MA68)	
Heat exch			Louver	fins & inner groo	oved tubing	M shape fin & inner grooved tubing		
Refrigeran						Electronic expansion valve		
	equipment			Tangential fan x 1			Propeller fan × 2	
Motor <s< td=""><td>arting method></td><td>W</td><td>2</td><td colspan="2">27 < Direct line start ></td><td></td><td>86 x 2 < Direct line start ></td></s<>	arting method>	W	2	27 < Direct line start >			86 x 2 < Direct line start >	
Air flow (S	tandard)	CMM	Hi : 13.5 Me : 11 Lo	Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)		10.5(H)	100	
External st	atic pressure	Pa		0		0		_
Outside ai	r intake			Not possible			_	
Air filter, C	'ty		Polypro	pylene net (wa	shable) x 2		_	
Shock & vib	ration absorber			_			Rubber sleeve (for Compressor)	
nsulation (r	oise & heat)			Polyurethane for	orm		_	
Electric hea	ter	W		_			20 (Crank case heater)	
Remote cor	ntroller			R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)	
Room tem	perature control		The	rmostat by elec	tronics			
Safety equ	lipment			I thermostat for t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.	
nstallation	data	mm	Liquid li	ne : I/U ϕ 6.35 (1/4") ② <i>φ</i> 9.52	(3/8") ×	0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")	
Refrigeran	t piping size		Gas line	: I/U φ 12.7 (1/2") ② <i>ϕ</i> 12.7	(1/2") ×	0.8 ① ϕ 15.88 (5/8") × 1.0 O/U ϕ 15.88 (5/8")	
Connectin	g method			Flare piping			Flare piping	
Refrigerant I	ine (one way) length			I	Max.100m			
Vertical height difference between outdoor unit and indoor unit					Outdoor unit is Outdoor unit is		×1. See page 99	
Refrigeran	t Quantity			R410A 4.5kg	(Pre-charged u	p to the	e piping length of 30m) Outdoor unit	
Drain pump				_			_	
Drain		ļ	Hose	Connectable w	vith VP16		Holes size $\phi 20 \times 3pcs$	
nsulation fo		ļ			,	(both L	_iquid & Gas lines)	
Standard A	ccessories		Mc	ounting kit, Drai	n hose		Edging	
Notes	(1) The data are r	neasured	at the following co	onditions.				
	Item	Indoor	air temperature	Outdoor air	temperature			
	Operation	DB	WB	DB	WB			
	Cooling	27°C	19°C	35°C	24°C			

7°C

20°C

Heating

(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

6°C

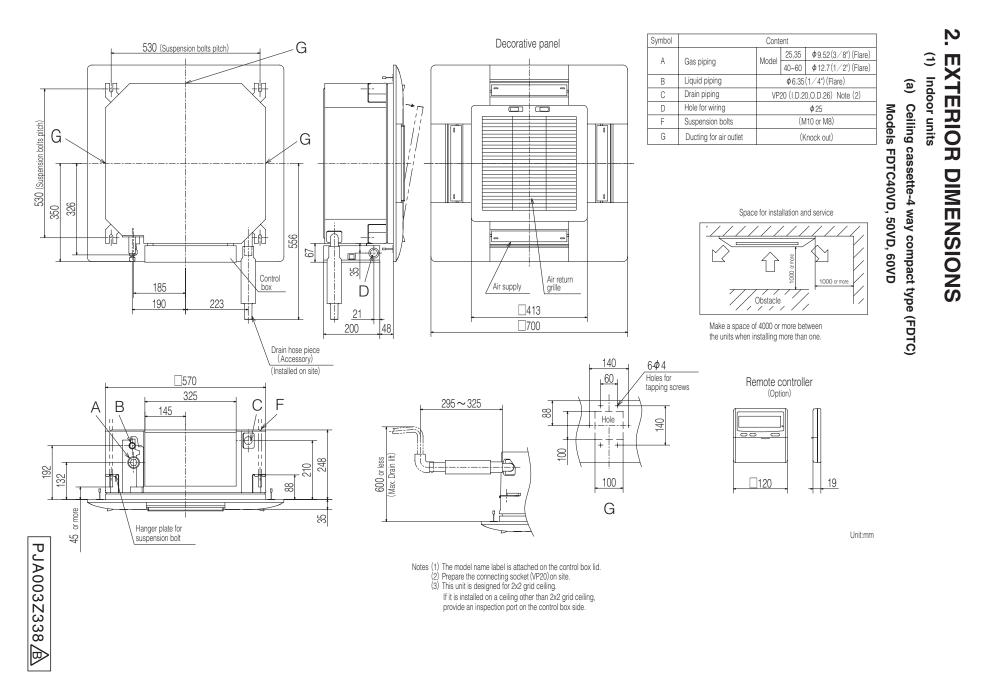
	Model			-	RK100	VSXPZIX		
		Indoor	unit SRK50ZIX	-S (2 units)		Outdoor unit FDC100VSX		
Item			_					
Power source						380-415V 3N~50Hz / 380V 3N~60Hz		
Operation data			Cooling			Heating		
Nominal capacity	kW	10.0	[4.0(Min.)~11	.2(Max.)]		11.2 [4.0(Min.)~16.0(Max.)]		
Power consumption	kW		2.66			2.60		
Running current	A		3.9 / 4.1			3.8 / 4.0		
Power factor	%		98 / 99			99		
Inrush current	A					ng current 15 >		
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 L	.o : 26(C) / Hi : /	45 Me : 38 Lo :	Cooling : 48 Heating : 50			
Exterior dimensions Height x Width x Depth	mm		309 × 890 × 2	20		1,300 × 970 × 370		
Exterior appearance			Fine snow			Stucco White		
(Munsell color)		(8.0Y	'9.3/0.1) near e	quivalent		(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 gro	oved tubing		M shape fin & inner grooved tubing		
Refrigerant control			_			Electronic expansion valve		
Air handling equipment			T					
Fan type & Q'ty			Tangential fan	x 1	Propeller fan × 2			
Motor <starting method=""></starting>	W	2	7 < Direct line s	start >	86 x 2 < Direct line start >			
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo	o : 8(C) / Hi : 16.	5 Me : 14.5 Lo :	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)		
nsulation (noise & heat)			Polyurethane f	orm				
Electric heater	W		_	-		20 (Crank case heater)		
Remote controller			R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)		
Room temperature control		The	ermostat by ele	,				
· ·			al thermostat fo			Internal thermostat for fan motor		
Safety equipment			at protection the			Abnormal discharge temperature protection.		
Installation data			· · · · · · · · · · · · · · · · · · ·		(3/8") ×	0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")		
Refrigerant piping size	mm					$< 0.8 \ (10^{\circ}) \phi (15.88) (5/8") \times 1.0 \ O(U \phi (15.88) (5/8"))$		
Connecting method			Flare piping		. /	Flare piping		
Refrigerant line (one way) length	1		11 3	, Max.100m		1.5		
Vertical height difference between				(Outdoor unit is	higher)			
outdoor unit and indoor unit				(Outdoor unit is				
Refrigerant Quantity			R410A 4.5kg	ι (Pre-charged ι	up to the	e piping length of 30m) Outdoor unit		
Drain pump			_	5		_		
Drain		Hose	Connectable V	vith VP16		Holes size $\phi 20 \times 3pcs$		
Insulation for piping					/ (both L	iquid & Gas lines)		
Standard Accessories	1	Mo	ounting kit, Dra			Edging		
Notes (1) The data are r	neasured		0 ,					
			r	tomporatura				
Item		air temperature		temperature				
Operation	DB	WB	DB	WB				
Cooling	27°C	19°C	35°C	24°C				
Heating		20°C	7°C	6°C				
(3) Sound pressu ambient temp(4) The operation(5) Indoor unit sp	re level in erature. data ind ecificatio	icates when the air	n an anechoic -conditioner is pacity and ope	chamber. During operated at 400 ration data is tw	g operat)V50Hz /o indoo	tion these value are somewhat higher due to or 380V60Hz. r units are combined and run together.		

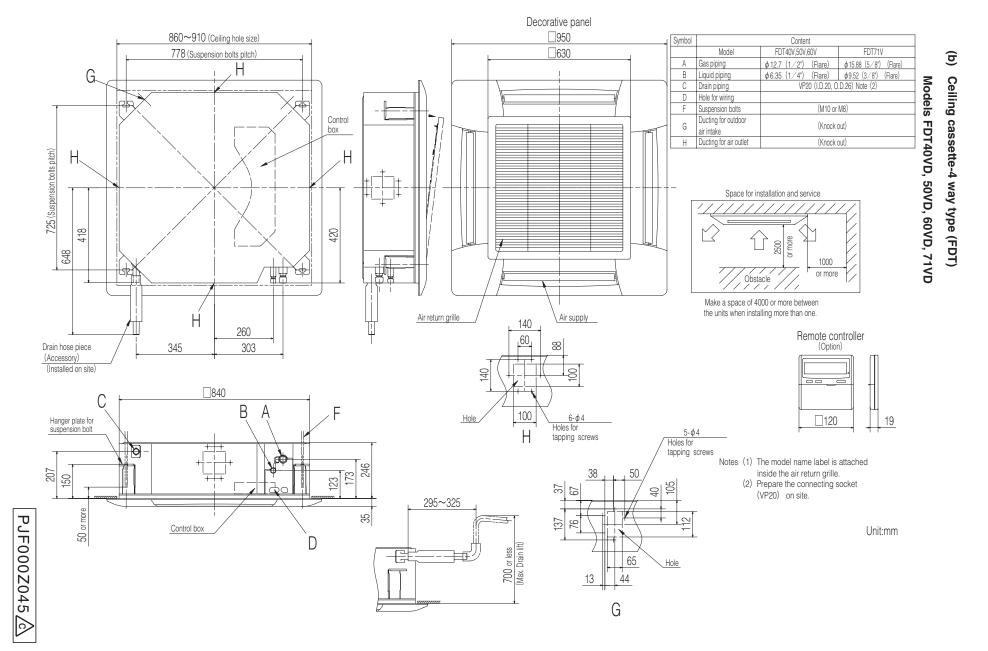
	Model	SRK125VNXPZIX							
		Indoor	unit SRK60ZIX	-S (2 units)		Outdoor unit FDC125VNX			
Item			_						
Power source						220-240V~50Hz / 220V~60Hz			
Operation data		Cooling				Heating			
Nominal capacity	kW	12.5	[5.0(Min.)~14	.0(Max.)]		14.0 [4.0(Min.)~17.0(Max.)]			
Power consumption	kW		3.60			3.48			
Running current	A		16.0 / 16.7			15.4 / 16.1			
Power factor	%		98			98			
Inrush current	A			5 < Ma	ax.runnir	ng current 26 >			
Sound Pressure Level	dB(A)	Hi : 47 Me : 38 L	.o : 26(C) / Hi : 4	45 Me : 39 Lo :	33(H)	Cooling: 48 Heating: 50			
Exterior dimensions Height x Width x Depth	mm		309 × 890 × 2	20		1,300 × 970 × 370			
Exterior appearance (Munsell color)		(8.0Y	Fine snow 9.3/0.1) near e	quivalent	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	e		_			0.9 (M-MA68)			
Heat exchanger	Ť	Louver	fins & inner gro	oved tubina		M shape fin & inner grooved tubing			
Refrigerant control		200701				Electronic expansion valve			
Air handling equipment		<u> </u>	_						
Fan type & Q'ty			Tangential fan	x 1	Propeller fan × 2				
Motor <starting method=""></starting>	W	2	7 < Direct line s	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	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 f	orm					
Electric heater	W		_			20 (Crank case heater)			
Remote controller			R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)			
Room temperature control		The	ermostat by elec			_			
Safety equipment			I thermostat fo			Internal thermostat for fan motor Abnormal discharge temperature protection.			
Installation data		Liquid li	ne : 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")			
Refrigerant piping size	mm					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 is	higher)				
outdoor unit and indoor unit				(Outdoor unit is	· ·	,			
Refrigerant Quantity						e piping length of 30m) Outdoor unit			
Drain pump						_			
Drain		Hose	Connectable v	vith VP16		Holes size $\phi 20 \times 3pcs$			
Insulation for piping					y (both L	iquid & Gas lines)			
Standard Accessories		Mc	ounting kit, Drai			Edging			
Notes (1) The data are r	neasured		-						
		air temperature	1	temporatura]				
Item		·		temperature					
Operation	DB	WB	DB	WB					
Cooling	27°C	19°C	35°C	24°C					
Heating		20°C	7°C	0°C]				
(3) Sound pressu ambient temp(4) The operation(5) Indoor unit sp	re level ii erature. data ind ecificatic	icates when the air	n an anechoic -conditioner is pacity and ope	chamber. Durin operated at 230 ration data is tw	g operat 0V50Hz vo indoo	tion these value are somewhat higher due to or 220V60Hz. r units are combined and run together.			

	Model				RK125	/SXPZIX
		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					ng current 15 >
Sound Pressure Level	dB(A)	Hi : 47 Me : 38 L	.o : 26(C) / Hi : 4	45 Me : 39 Lo :	Cooling : 48 Heating : 50	
Exterior dimensions	mm		309 × 890 × 2	20	1,300 × 970 × 370	
Height x Width x Depth						
Exterior appearance (Munsell color)		(9.0)	Fine snow 9.3/0.1) near e	autivalant		Stucco White
		(0.01	,	quivalent		(4.2Y7.5/1.1) near equivalent
Net weight	kg		15			105
Refrigerant equipment			_			RMT5134MDE3 × 1
Compressor type & Q'ty						Diroct line start
Starting method			_			
Refrigerant oil	l					0.9 (M-MA68)
Heat exchanger		Louver	fins & inner gro	oved 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 × 2	
Motor <starting method=""></starting>	W	2	7 < Direct line s	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	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 f	orm		_
Electric heater	W		_			20 (Crank case heater)
Remote controller			R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)
Room temperature control		The	ermostat by ele	ctronics		
0.(.)		Interna	I thermostat fo	r fan motor		Internal thermostat for fan motor
Safety equipment		Fros	t protection the	ermostat		Abnormal discharge temperature protection.
Installation data		Liquid li	ne : I/U ϕ 6.35 (1/4") ② <i>φ</i> 9.52	(3/8") ×	0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")
Refrigerant piping size	mm					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 betweer			Max.30m	(Outdoor unit is	higher)	※1. See page 99
outdoor unit and indoor unit				Outdoor unit is		
Refrigerant Quantity			R410A 4.5kg	ן (Pre-charged נ	up to the	e piping length of 30m) Outdoor unit
Drain pump			-			—
Drain		Hose	Connectable v	vith VP16		Holes size ϕ 20 × 3pcs
Insulation for piping				Necessary	/ (both L	iquid & Gas lines)
Standard Accessories		Mo	ounting kit, Drai	n hose		Edging
Notes (1) The data are r	neasured	at the following co	onditions.			
Item	Indoor	air temperature	Outdoor air	temperature		
Operation	DB	WB	DB	WB		
Cooling	27°C	19°C	35°C	24°C		
	210	l				
Heating		20°C	7°C	6°C		
(3) Sound pressu ambient temp(4) The operation(5) Indoor unit sp	re level in erature. data ind ecificatio	icates when the air	n an anechoic -conditioner is pacity and ope	chamber. During operated at 400 ration data is tw	g operat)V50Hz /o indoo	tion these value are somewhat higher due to or 380V60Hz. r units are combined and run together.

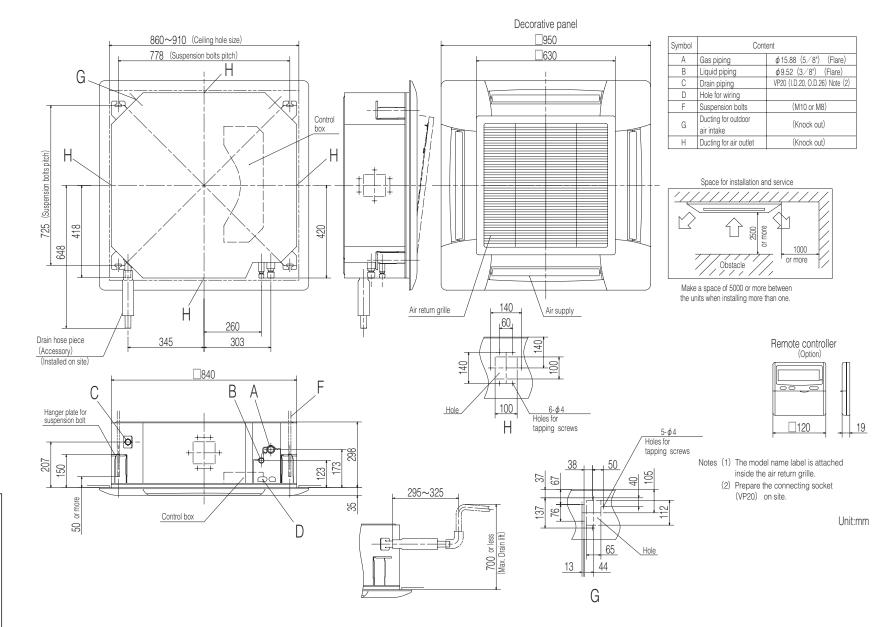
		Model			S	RK140	VNXTZIX		
			Indoor	unit SRK50ZIX	-S (3 units)		Outdoor unit FDC140VNX		
tem				_					
Power source							220-240V~50Hz / 220V~60Hz		
Operation data				Cooling			Heating		
Nominal capacit	y	kW	14.0	[5.0(Min.)~16	5.0(Max.)]		16.0 [4.0(Min.)~18.0(Max.)]		
Power consumpt	tion	kW		3.98			3.68		
Running current		А		17.7 / 18.5			16.3 / 17.1		
Power factor		%		98 / 98			98		
Inrush current		А					ng current 26 >		
Sound Pressure	Level	dB(A)	Hi : 45 Me : 38 L	.o : 26(C) / Hi : 4	45 Me : 38 Lo :	32(H)	Cooling : 49 Heating : 52		
Exterior dimensior Height x Width x	-	mm		309 × 890 × 2	20		1,300 × 970 × 370		
Exterior appearan	ce			Fine snow			Stucco White		
(Munsell color)			(8.0Y	9.3/0.1) near e	quivalent		(4.2Y7.5/1.1) near equivalent		
Net weight		kg		15			105		
Refrigerant equipr Compressor type				_			RMT5134MDE2 × 1		
Starting method				_			Direct line start		
Refrigerant oil		l		-			0.9 (M-MA68)		
Heat exchanger			Louver	fins & inner gro	oved tubing		M shape fin & inner grooved tubing		
Refrigerant contr	ol			_		Electronic expansion valve			
Air handling equip Fan type & Q'ty	ment			Tangential fan	x 1	Propeller fan × 2			
Motor <starting< td=""><td>method></td><td>W</td><td>2</td><td>7 < Direct line s</td><td>start ></td><td>86 x 2 < Direct line start ></td></starting<>	method>	W	2	7 < Direct line s	start >	86 x 2 < Direct line start >			
Air flow (Standard	d)	CMM	i : 13.5 Me : 11 Lo : 8(C) / Hi : 16.5 Me : 14.5 Lo : 10.5(H)				100		
External static pr	ressure	Pa		0		_			
Outside air intake	э		Not possible				_		
Air filter, Q'ty			Polypropylene net (washable) x 2				-		
Shock & vibration	absorber			—		Rubber sleeve (for Compressor)			
nsulation (noise &	heat)			Polyurethane f	orm	_			
Electric heater		W		_			20 (Crank case heater)		
Remote controller				R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)		
Room temperatu	re control		The	ermostat by elec	ctronics				
Safety equipmen	ıt			I thermostat for t protection the			Internal thermostat for fan motor Abnormal discharge temperature protection.		
nstallation data		mm	Liquid li	ne : I/U ϕ 6.35 ([1/4") ②φ9.52	(3/8") ×	0.8 (1) ϕ 9.52 (3/8") × 0.8 O/U ϕ 9.52 (3/8")		
Refrigerant piping	g size		Gas line	e : Ι/Uφ12.7 ([1/2") ②φ12.7	(1/2") ×	0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")		
Connecting meth				Flare piping)		Flare piping		
Refrigerant line (one	way) length				Max.100m				
Vertical height differe					Outdoor unit is	· ·	%1. See page 100		
outdoor unit and ind					(Outdoor unit is	,			
Refrigerant Quan	ntity			R410A 4.5kg	(Pre-charged)	up to the	e piping length of 30m) Outdoor unit		
Drain pump				_			—		
Drain			Hose	Connectable v		a	Holes size $\phi 20 \times 3pcs$		
nsulation for pipin	-					y (both L	Liquid & Gas lines)		
Standard Accesso				ounting kit, Drai	n nose		Edging		
Notes (1) The	data are m	easurec	I at the following co	onditions.		1			
lt	tem	Indoor	air temperature	Outdoor air	temperature				
Ope	eration	DB	WB	DB	WB				
Co	oling	27°C	19°C	35°C	24°C				
He	ating		20°C	7°C	6°C				
(3) Sou amb (4) The	bient tempe operation	e level ir erature. data ind	ditioner is manufac ndicates the value i icates when the air ns for one unit. Ca	n an anechoic o -conditioner is	chamber. Durin	g operat)V50Hz	tion these value are somewhat higher due to or 220V60Hz.		

	Model			-	SRK140	VSXTZIX
		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	6.0(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					ng current 15 >
Sound Pressure Level	dB(A)	Hi : 45 Me : 38 L	.o : 26(C) / Hi : /	45 Me : 38 Lo :	Cooling : 49 Heating : 52	
Exterior dimensions	mm		309 × 890 × 2	220	1,300 × 970 × 370	
Height x Width x Depth						
Exterior appearance (Munsell color)		(9.0)	Fine snow 9.3/0.1) near e			Stucco White
,	<u> </u> .	(0.01	,	equivalent		(4.2Y7.5/1.1) near equivalent
Net weight	kg		15			105
Refrigerant equipment			_			RMT5134MDE3 × 1
Compressor type & Q'ty						Diroct line start
Starting method			-			
Refrigerant oil	l					0.9 (M-MA68)
Heat exchanger		Louver	fins & inner gro	oved tubing		M shape fin & inner grooved tubing
Refrigerant control			-			Electronic expansion valve
Air handling equipment Fan type & Q'ty			Tangential fan	i x 1	Propeller fan × 2	
Motor <starting method=""></starting>	W	2	7 < Direct line s	start >	86 x 2 < Direct line start >	
Air flow (Standard)	CMM	Hi : 13.5 Me : 11 Lo	o : 8(C) / Hi : 16.	.5 Me : 14.5 Lo :	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 f	form		
Electric heater	W		_			20 (Crank case heater)
Remote controller			R	C-E4 (option) &	SC-BIK	N-E (Interface kit, option)
Room temperature control	1	The	ermostat by ele	ctronics		_
O-f-tt-	1	Interna	al thermostat fo	r fan motor		Internal thermostat for fan motor
Safety equipment		Fros	st protection the	ermostat		Abnormal discharge temperature protection.
nstallation data		Liquid li	ne : I/U ϕ 6.35	(1/4") ② <i>q</i> 9.52	(3/8") ×	0.8 ① φ 9.52 (3/8") × 0.8 O/U φ 9.52 (3/8")
Refrigerant piping size	mm	Gas line	e : Ι/Uφ12.7	(1/2") ②φ12.7	(1/2") ×	0.8 ① φ 15.88 (5/8") × 1.0 O/U φ 15.88 (5/8")
Connecting method			Flare piping	9		Flare piping
Refrigerant line (one way) length				Max.100m		
Vertical height difference between	1		Max.30m	(Outdoor unit is	higher)	※1. See page 100
outdoor unit and indoor unit				Outdoor unit is		
Refrigerant Quantity			R410A 4.5kg	g (Pre-charged u	up to the	e piping length of 30m) Outdoor unit
Drain pump			-			-
Drain		Hose	Connectable V	with VP16		Holes size ϕ 20 × 3pcs
Insulation for piping				Necessary	y (both L	iquid & Gas lines)
Standard Accessories		Mo	ounting kit, Dra	in hose		Edging
Notes (1) The data are	neasured	at the following co	onditions.			
Item	Indoor	air temperature	Outdoor air	temperature]	
Operation	DB	WB	DB	WB		
	27°C	19°C	35°C	24°C		
Cooling	210	l				
Heating		20°C	7°C	6°C	ļ	
(3) Sound pressu ambient temp(4) The operation(5) Indoor unit sp	ire level in erature. data ind ecificatio	icates when the air	n an anechoic -conditioner is pacity and ope	operated at 400 ration data is th	g operat 0V50Hz iree indo	tion these value are somewhat higher due to or 380V60Hz. oor units are combined and run together.

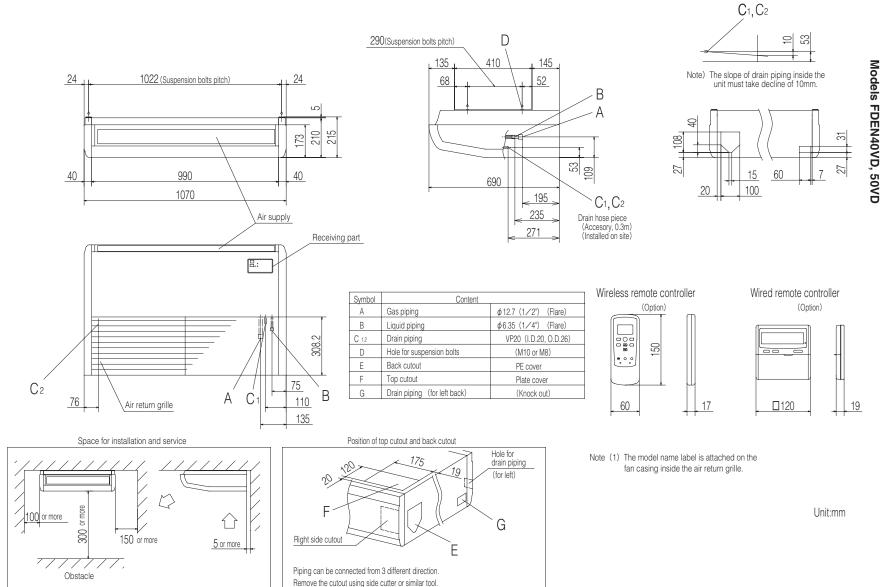




'10 • PAC-DB-136D



PJF000Z046



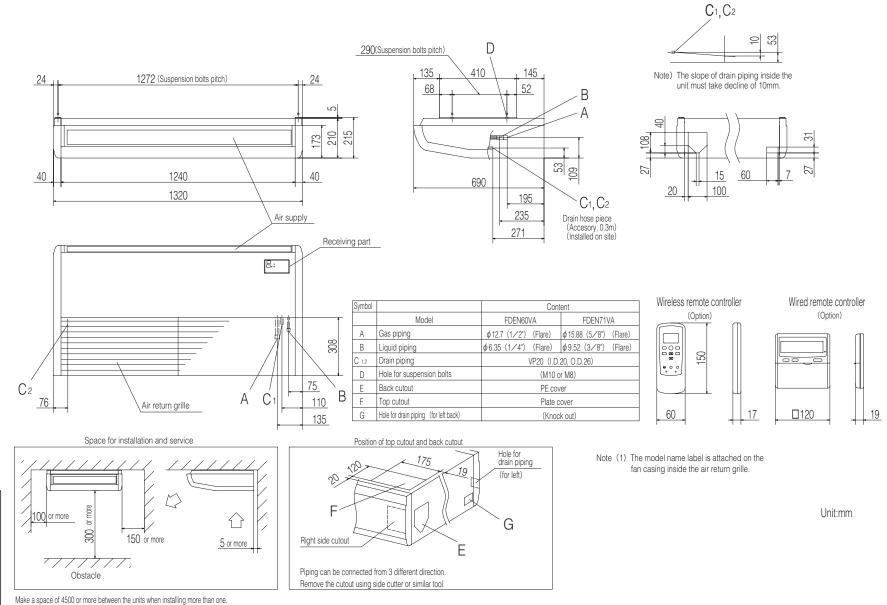
(c) Ceiling suspended type (FDEN)

1

72

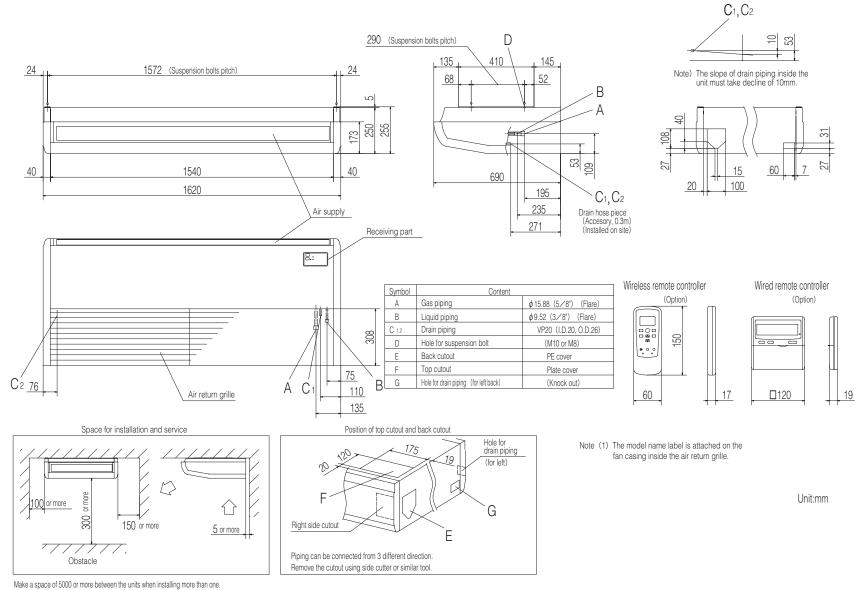
PFA003Z816

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



'10 • PAC-DB-136D

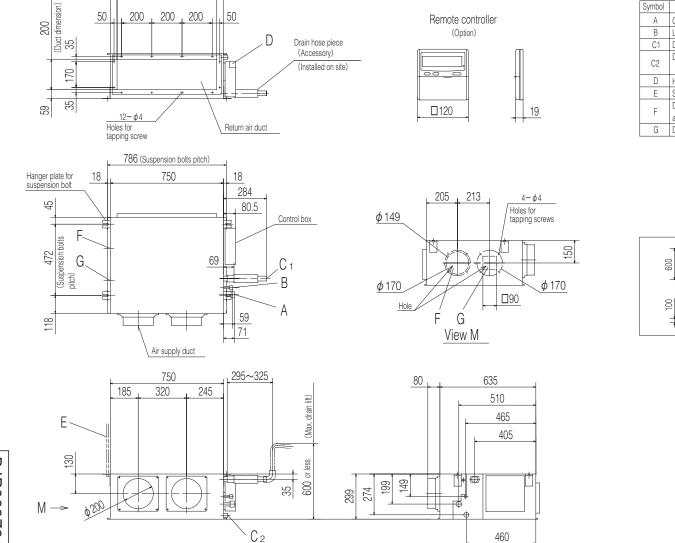
Models FDEN60VD, 71VD



PFA003Z818

1

74 -



Remote controller

Symbol	Content		
А	Gas piping	φ12.7 (1/2") (Flare)	
В	Liquid piping	¢6.35 (1∕4°) (Flare)	
C1	Drain piping	VP20 (I.D.20, O.D.26) Note (2)	
C2	Drain piping	VP20 (I.D.20, O.D.26)	
	(Gravity drainage)		
D	Hole for wiring		
E	Suspension bolts	(M10)	
F	Ducting for outdoor	(ø 150) (Knock out)	
Г	air intake	(\$150) (INHOUR OUL)	
G	Ducting for air outlet	(\$ 125) (Knock out)	

Space for installation and service

 \Box

////

1100

Ŧ

Inspection

hole

 \Box

 \Rightarrow

1111

620



45

50

200

660 (Duct dimension)

200 200 200

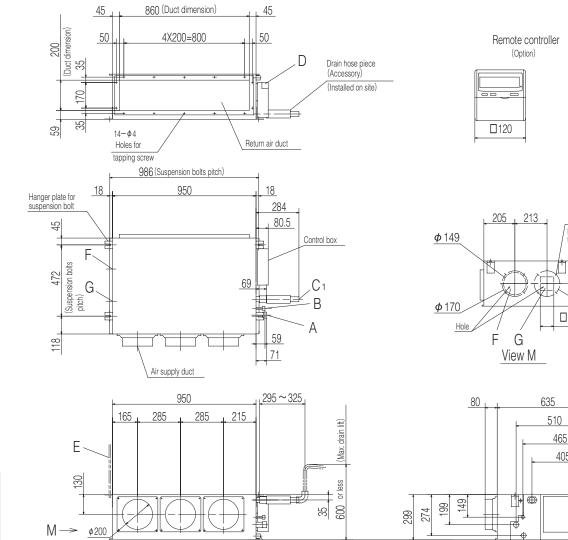
45

50

PJR002Z241

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



 C_2

Symbol	Content		
	Model	60	71
А	Gas piping	φ 12.7(1/2¹) (Flare)	¢ 15.88(5∕8") (Flare)
В	Liquid piping	φ6.35(1∕4')(Flare)	¢9.52(3∕8*)(Flare)
C1	Drain piping	VP20 (I.D.20, C).D.26) Note (2)
C2	Drain piping (Gravity drainage)	VP20 (I.D.	20, O.D.26)
D	Hole for wiring		
E	Suspension bolts	(M	10)
F	Ducting for outdoor air intake	(¢ 150) (k	(nock out)
G	Ducting for air outlet	(φ125) (k	(nock out)

19

4-**φ**4

tapping screws

150

φ 170

Holes for

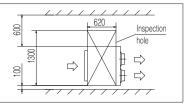
□90

405

460

++

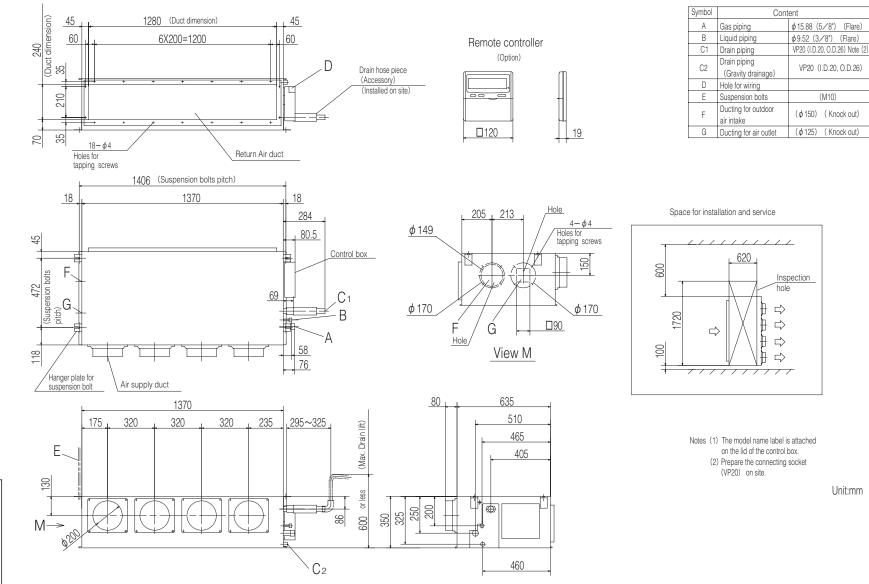




Notes(1) The model name label is attached on the lid of the control box. (2)Prepare the connecting socket (VP20) on site.

Unit:mm

PJR002Z242





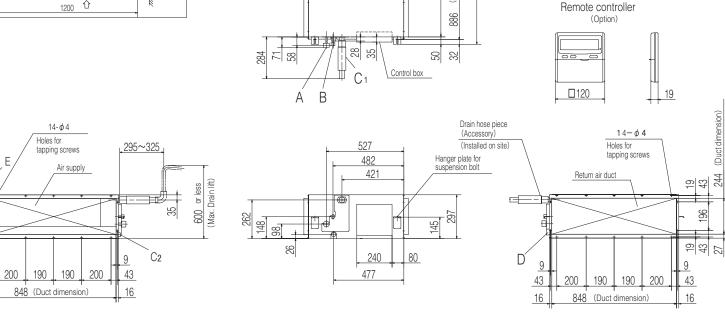
- 77 -

PJR002Z243



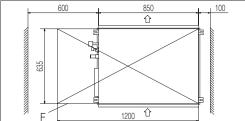
(e) Duct connected-High static pressure type (FDU)

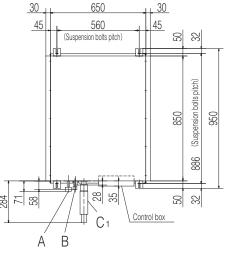
Model FDU71VD



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

Space for installation and service





Symbol

Α

В

C 1

C 2

D

Ε

F

Gas piping

Liquid piping

Drain piping Drain piping

Hole for wiring

Suspension bolts

Inspection hole

(Gravity drainage)

Content

¢15.88 (5∕8") (Flare)

VP20 (I.D.20, O.D.26) Note (2)

VP20 (I.D.20, O.D.26)

(M10)

(635X1200)

Unit:mm

PJD001Z214

(Duct dimension)

19 43

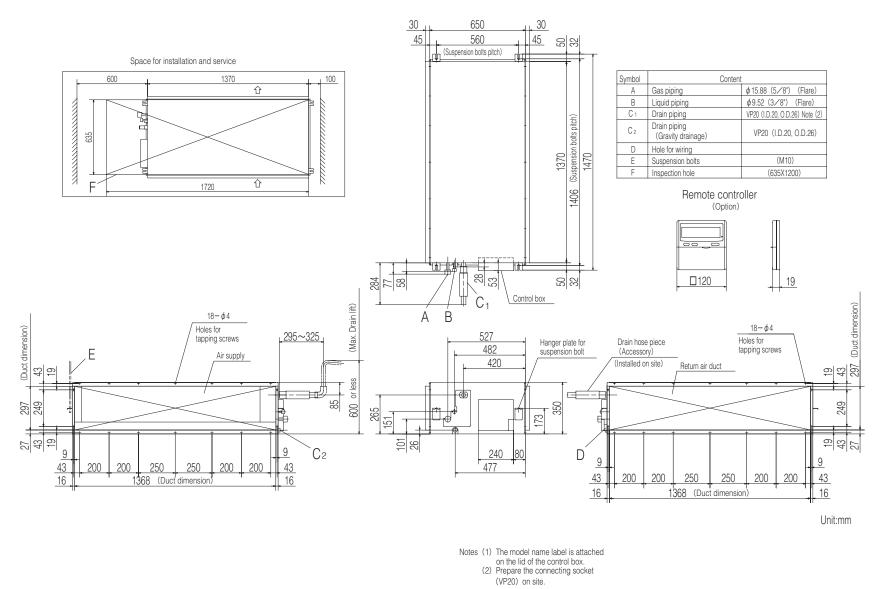
196 244

27 43 19

9

43

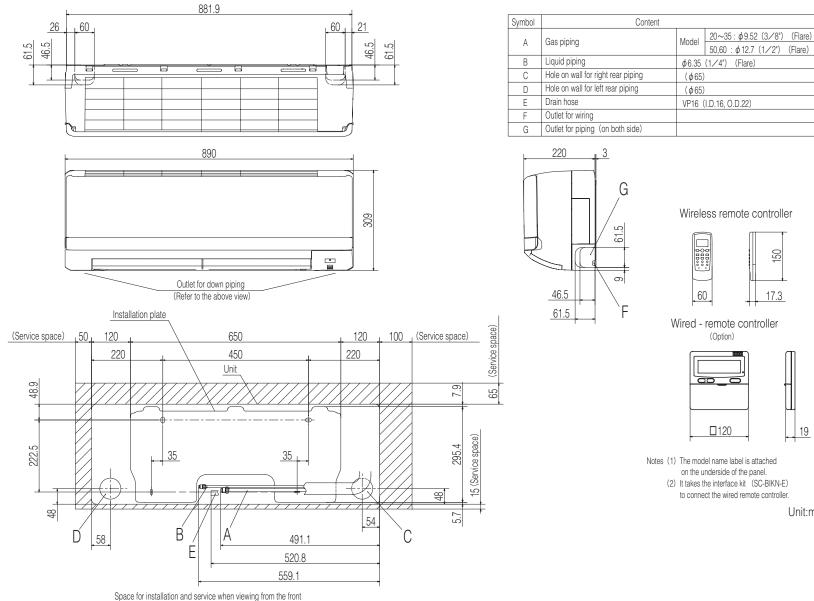
16





- 79 -

PJD001Z215

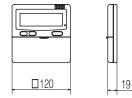




Wireless remote controller



Wired - remote controller



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

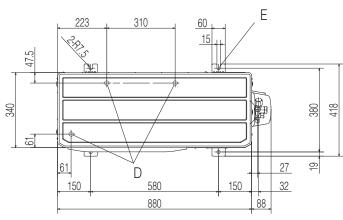


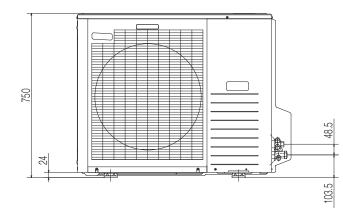
RKY000Z052

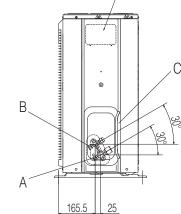
Symbol	Content	
А	Service valve connection (gas side)	¢15.88 (5∕8") (Flare)
В	Service valve connection (liquid side)	¢9.52 (3∕8") (Flare)
С	Pipe/cable draw-out hole	
D	Drain discharge hole	ϕ 20 × 3places
E	Anchor bolt hole	M10 × 4places

Notes

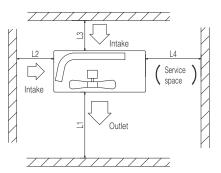
- (1) It must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more the 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (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.







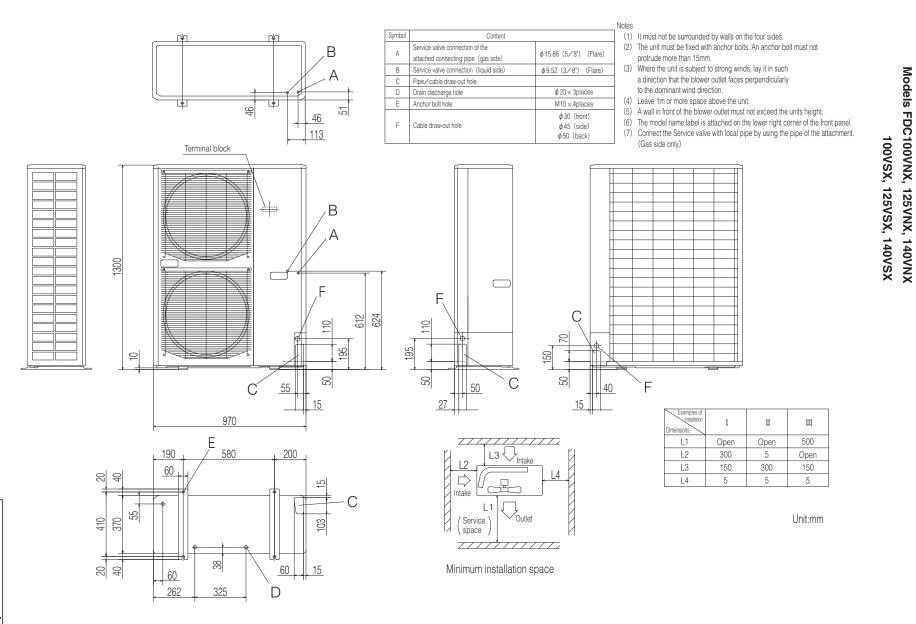
Terminal block



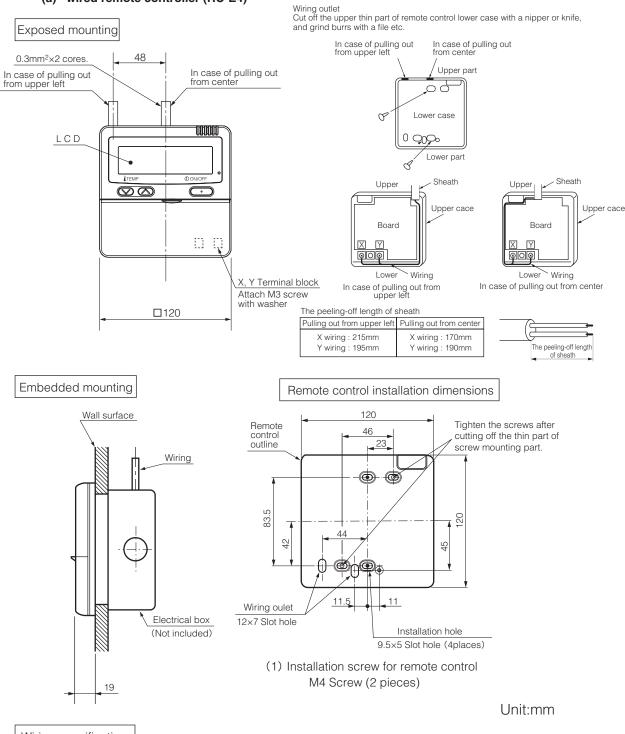
Minimum installation space

Examples of installation Dimensions	Ι	II	ш
L1	Open	Open	500
L2	300	250	Open
L3	100	150	100
L4	250	250	250

Unit:mm



(3) Remote controller (Option parts)(a) wired remote controller (RC-E4)



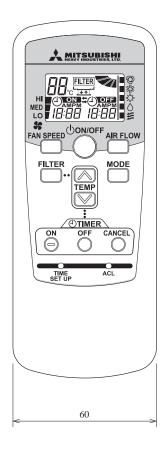
Wiring specifications

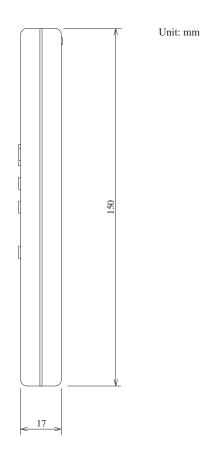
(1) If the prolongation is over 100m, change to the size below. But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

Length	Wiring thickness
100 to 200m	0.5mm ² ×2 cores
Under 300m	0.75mm ² ×2 cores
Under 400m	1.25mm ² ×2 cores
Under 600m	2.0mm ² ×2 cores

PJZ000Z274

(b) Wireless remote controller (RCN-E1R)





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

LED•3	Indication lamp(Red-Inspection)	TB1
LM1~4	Louver motor	
SW2	Remote controller communication	TB2
	address	Thc
SW5	Plural units Master / Slave setting	Thi-A
SW6	Model capacity setting	Thi-R1
SW7-1	Operation check, Drain motor test run	Х4

TB1	Terminal block (Power source)
	(mark)
TB2	Terminal block (Signal line) (mark)
Thc	Thermistor (Remote controller)
Thi-A	Thermistor (Return air)
Th-R1,2,3	Thermistor (Heat exchanger)
Х4	Relay for DM
mark	Closed-end connector

		ω
	(1)	
(a)	Indoo	Ē
Cei	or ur	2
ling (nits	R
casset		S
_		
te-4 w		≤
vay c		ת
omp		Z
ă		У/

Color Marks

Mark Color BK Black

BL Blue

BR Brown

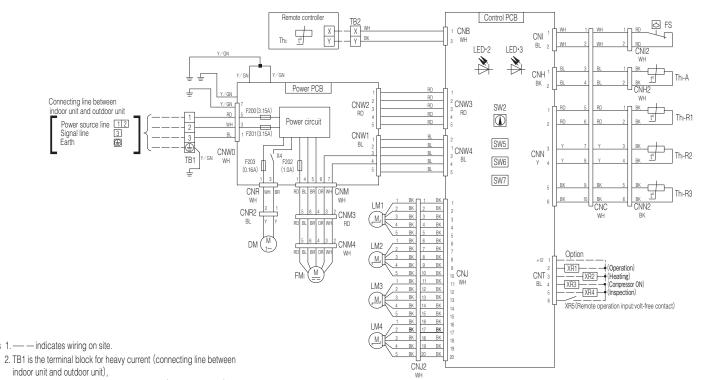
OR Orange

RD Red

WH White Y Yellow

Y/GN Yellow/Green

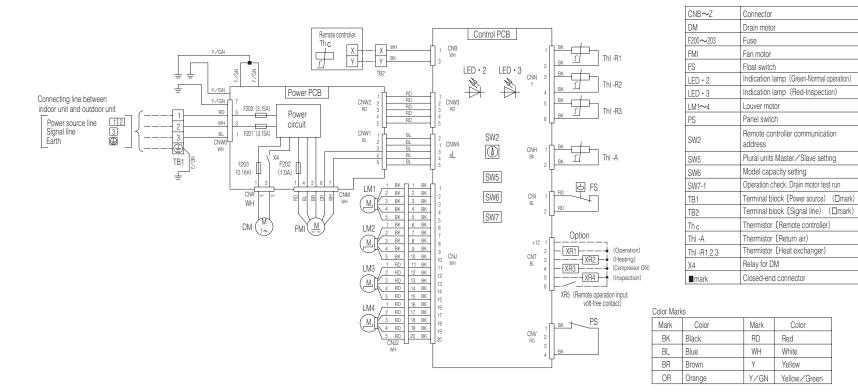
Models FDTC40VD, 50VD, 60VD guina - 4 way compact type (FDTC)



Notes 1. — – indicates wiring on site.

- indoor unit and outdoor unit).
- and TB2 is the terminal block for weak current (remote controller).
- 3. See the wiring diagram of outside unit about the line between inside unit and outside unit.
- 4. 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.
- 5. 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

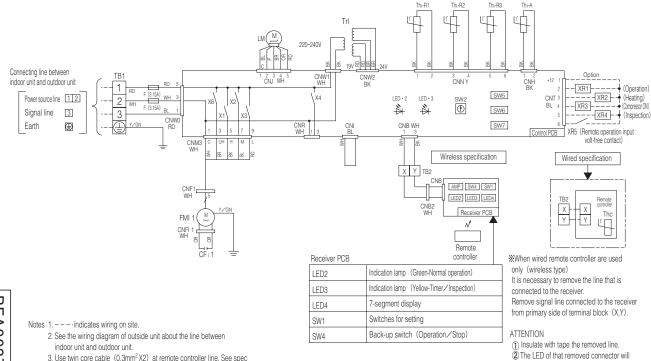
Notes 1. --- indicates wiring on site.

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.

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) (Imark)
TB2	Terminal block (Signal line) (Dmark)
Thc	Thermistor (Remote controller)
ThI -A	Thermistor (Return air)
Thl -R1,2,3	Thermistor (Heat exchanger)
Trl	Transformer
X1~3,6	Relay for FM
Х4	Relay for DM



Models FDEN40VD, 50VD Ceiling suspended type (FDEN)

<u></u>

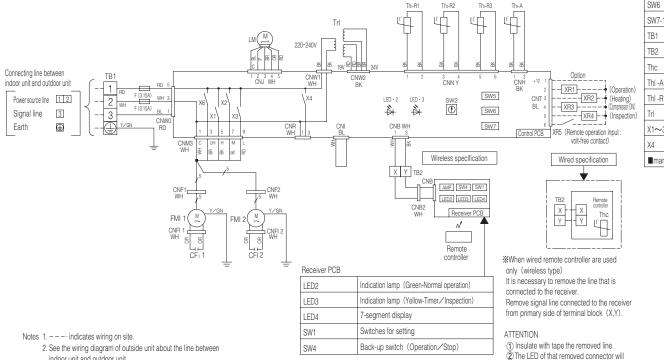
Color Marks Mark Color Mark Color ΒK RD Black Red BL Blue WH White BR Brown Yellow Υ OR Orange Y/GN Yellow/Green Ρ Pink

not be able to make any indication.

- 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.

1

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	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)	
ThI -A	Thermistor (Return air)	
Thl -R1,2,3	Thermistor (Heat exchanger)	
Trl	Transformer	
X1~3,6	Relay for FM	
Х4	Relay for DM	
∎mark	Closed-end connector	



lor Mark	S	
Mark	Color	Mark
BK	Black	RD

not be able to make any indication.

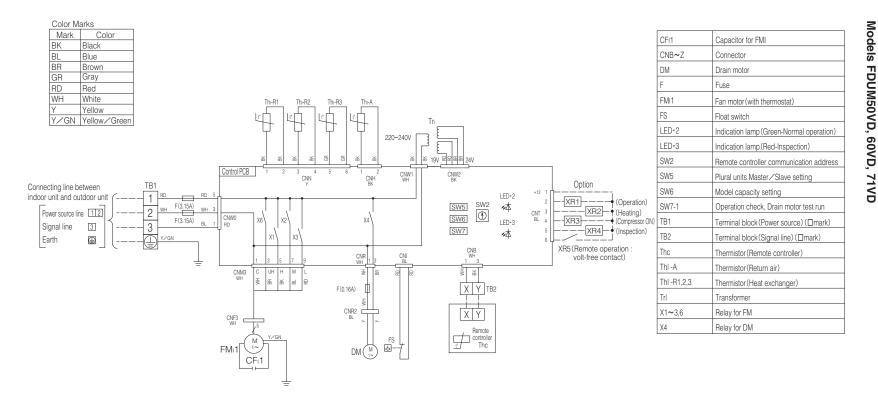
Color Marks					
Mark	Color	Mark	Color		
BK	Black	RD	Red		
BL	Blue	WH	White		
BR	Brown	Y	Yellow		
OR	Orange	Y/GN	Yellow/Green		
Р	Pink				

- 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.

PFA003Z820

Models FDEN60VD, 71VD, 100VD, 125VD, 140VD

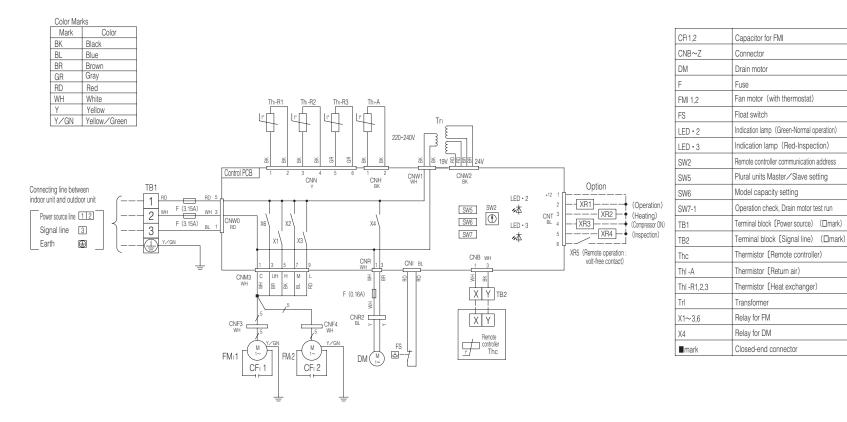


(d) Duct connected-Low/Middle static pressure type (FDUM)

Notes 1. --- indicates wiring on site.

- 2. See the wiring diagram of outside unit about the line between
- inside unit and outside unit.
- 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.

- 68 -



Models
_
FDUM100VD
'D, 125VI
Ģ
140VD

- 00

1

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.

	Color Marl	(S										
	Mark	Color	Mark	Color							CFI	Capacitor for FMI
	BK	Black	Р	Pink	-						CNB~Z	Connector
	BL	Blue	RD	Red	-						DM	Drain motor
	BR GR	Brown Gray	WH Y	White Yellow	-						F	Fuse
	OR	Orange	Y/GN	Yellow/Green	-						FMI	Fan motor (with thermostat)
I		0.00.90			1						FS	Float switch
					_		ThI -R1	ThI -R2 ThI -R3	ThI -A		LED · 2	Indication lamp (Green-Normal operation)
					FS	Trl	ut l	44	4		LED • 3	Indication lamp (Red-Inspection)
						220-240V		\forall \forall	\square		SW2	Remote controller communication address
						<u> </u>					SW6	Model capacity setting
							로운동동 24V 동 동	A A B B		~	SW7-1	Operation check, Drain motor test run
Connecting lir	e between	TB1		Control PCE	CNI BL	CNW1 WH	CNW2 1 2 BK	3 4 5 6 CNN	6 1 2 CNH BK	0.1	TB1	Terminal block (Power source) (mark)
indoor unit an		it (1-	F (3.15		+ + +		LED • 2	Y	ык +12 1	Option	TB2	Terminal block (Signal line) (Dmark)
Power source	eline 12	」) 2 -	F (3.15	WH 3	6 X2	X4	<i>∗</i> ‡ <u>s</u> i	W2 SW6	2	(Operation)	Thc	Thermistor (Remote controller)
Signal lin] 3-	F (3.10		$ \chi' \chi$			D SW7	CNT ³ BL 4	XR3 (Compressor ON)	ThI -A	Thermistor (Return air)
Earth	Ð		Y/GN		X1 X3	• • • • • • • • • • • • • • • • • • •	*本		5	XR4 (Inspection)	Thl -R1,2,3	Thermistor (Heat exchanger)
				CNM3 WH 1	3 5 7	9 CNR WH	CNB WH		0	XR5 (Remote operation input: volt-free contact)	Trl	Transformer
			÷		UH H M						X1~3,6	Relay for FM
				ŧ	X 8 8	8 1 1					Х4	Relay for DM
					│└ݷ┘	F (0.16A)	X Y TB2				■mark	Closed-end connector
					SN M 1~ FMI CFi	M M 1~ DM	Remote <u>r</u> Remote Controller Thc					

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

Notes	1	indicates	wiring	on	site
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- 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.
- ite. See the wiring diagram of outside unit about the line between inside unit and outside unit.

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- 10

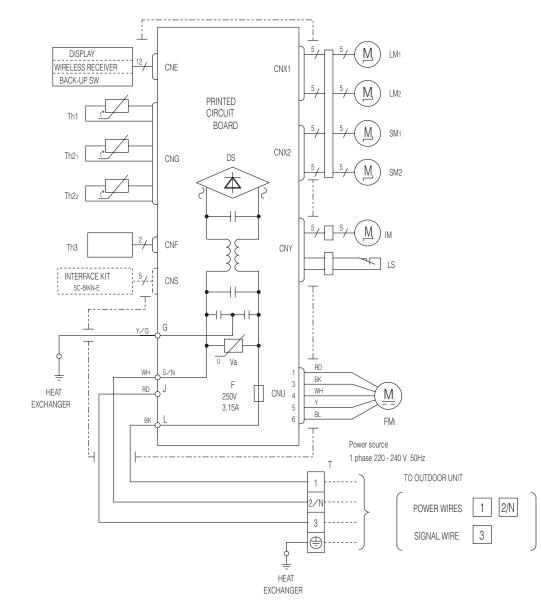
Bit Black P Prik Bit Blow RD Red GR GR GR Y Yellow Green Yellow Green Yellow Green Yellow Green Yellow Green Yellow Yellow Green Green Yellow Green Yellow Green Yellow Green Green Yellow Green Yellow Green Yellow Green Green Yellow Green Green <t< th=""><th></th><th>Color Ivia</th><th>KS</th><th></th><th></th><th></th><th></th><th></th></t<>		Color Ivia	KS					
Bit Blue R0 Red Bit Blue Red Red Bit Blue<		Mark	Color	Mark	Color		CFI	Capacitor for
BR Brown WH White GR Gray Y Yellow Yellow February February Yellow February <					Pink		CNB~Z	Connector
Bit Bitown WH While Bit Bitown WH While Bitown WH While Bitown W/ Selow Bitown WH Bitown Bito							DM	Drain motor
UR UR UR V							-	-
Ever young you			,				<u> </u>	Fan motor (v
Concepting ine between indoor unit and outdoor unit F (356) Earth 20 F (35) F		UR	Orange	YZ GIN	reliow/ Green			
Concerting ine between indoor unit and outdoor unit						ThI-R1 ThI-R2 ThI-R3 ThI-A		
Connecting line between indor unit and outdoor unit. Signal line 3 Earth 20								Indication lan
Concepting line between indoor unit and outdoor unit Poer source ine 112 Signal line 13 Earth 29 F (5A) F (SW2	Remote control
Connecting line between indoor unit and outdoor unit Power source ine III2 Signal line I3 Earth B2 F (SA) F (SA) F (SA) F (SA) F (SA) F (SA) F (SA) F (SA)							SW6	Model capac
Connecting line between indoor unit and outdoor unit Signal line Earth							SW7-1	Operation che
indorunit and outdoor unit Pour source ine [112] Signal line [3] Earth [2]] F (315A) H, H (1) (APD (APD (APD (APD (APD (APD (APD (APD	Connecti	na line hetween	TB1		Control PCE	BL WH BK CNN CNH	TB1	Terminal block
Power source line II2 Signal line 3 Earth 20 F (SA) 6 F (SA) 6 F (SA) 6 F (SA) 6 F (SA) 7 F (SA) 7			nit (1				TB2	Terminal bloc
Signal line 3 Earth 3 F (SA) F (SA)	Powe	source line 12]] – 2	WH	• WH S		Thc	Thermistor (
Earth Image: Construction of the second	Sigr	al line 3] 3	F (3.15		LED-3 U SW7 BL 4 - XR3	ThI -A	Thermistor (
Image: Second	Eart	n 🕀		Y∕GN			Thl -R1,2,3	Thermistor (
F (SA) F (SA) F (0.16A) F						A LA CNB CNB XR5 (Remote operation input:	Trl	Transformer
X4 Relay for M Closed-e 52FL,FM,FH Electron X Y S2FL,FM,FH Electron X Y S2FL,FM,FH Electron							X1~3,6	Relay for FM
				Γ\	푀 뿌 뿌		X4	Relay for DM
Image: Service servic							mark	Closed-end
							52FL,FM,FH	Electromagn
CH								

CFI	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)		
ThI -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		
52FL,FM,FH	Electromagnetic contactor for FMI		

Color Marks

- Notes 1. ---- indicates wiring on site. 2. See the wiring diagram of outside unit about the line between
 - inside unit and outside unit.

 - 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.
 Do not put remote controller line alongside power source line.



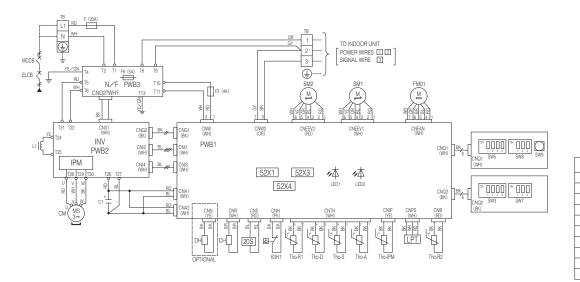
Item	Description
CNE-CNY	Connector
FM	Fan motor
SM1,2	Flap motor
LM1,2	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
Th21,2	Heat exch. sensor
Th3	Humidity sensor
LS	Limit switch
DS	Diode stack
F	Fuse
Т	Terminal block
Va	Varistor

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

MarkColorBKBlackBLBlueRDRedWHWhiteYYellowY/GYellow/Green

RWA000Z215

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



		Item	Description
		CM	Compressor motor
		FM01	Fan motor
		CH	Crankcase heater
		DH	Drain pan heater
		52X1	Auxilliary relay (for CH)
		52X3	Auxilliary relay (for 20S)
		52X4	Auxilliary relay (for DH)
		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.)
	Color	Tho-R1,R2	Thermistor
	Black		(Heat exchanger temp.)
	Blue	Tho-S	Thermistor
	Brown		(Suction pipe temp.)
	Orange	Tho-IPM	Thermistor (IPM)
	Red	LPT	Low pressure sensor
	White	IPM	Intelligent power module
	Yellow	TB	Terminal block
	Yellow/Green	F,F3	Fuse
	Gray	CnA~Z	Connector
	Pink	SW9	Pump down switch
		SW3,5	Local setting switch
		LED1	Indication lamp (GREEN)
		LED2	Indication lamp (RED)
		1.1	Peopter

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	φ1.6mm x 3	¢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 fails 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.

Mark

ΒK

BL

BR

OR

RD

WH

YΕ

YE/GN

TLZ UN	TEIIUW/ GIEETI		[1,13	1 030
GY	Gray		CnA~Z	Connector
PK	Pink		SW9	Pump down
			SW3,5	Local setting
			LED1	Indication la
			LED2	Indication la
)			L1	Reactor
ng operation interv urning ON this swit should be turned (de temperature be point.	ch. DN in the area			
witch is turned ON run for 10 seconds en outdoor temper	a in every 10 ature falls to			

1

POWER SOURCE 1~220-240V 50Hz / 1~220V 60Hz	
$\begin{array}{c c} TB & F (30A) \\ \hline L1 & F (30A) \\ \hline H1 & H1 \\ \hline$	
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
	CNW CNEEV1 CNEEV2 CNFAN1 CNFAN2 (BK) (0R) (NH) (RD) (NH) (NH)
PWB2 (init) (init) </td <td>CONTROL PWB1 SZX1 SZX3 LED1 LED2 SW3 CON</td>	CONTROL PWB1 SZX1 SZX3 LED1 LED2 SW3 CON

Mark	Color	Item
		CnA~Z
BK	Black	СН
BL	Blue	DH
BR	Brown	
GN	Green	CM
GR	Gray	CT
P	Pink	DM
OR	Orange	F
RD	Red	FM01
		IPM
WH	White	
Y	Yellow	LED1
Y∕GN	Yellow/Green	
		LED2

Item	Description
CnA~Z	Connector
СН	Crankcase heater
DH	Drain pan heater
CM	Compressor motor
CT	Current sensor
DM	Diode module
F	Fuse
FM01	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
ТВ	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	Auxilliary relay (for CH)
52X2	Auxilliary relay (for DH)
52X3	Auxilliary relay (for 20S)
63H1	High pressure switch

Description

Models FDC100VNX, 125VNX, 140VNX

Power cable, indoor-outdoor connecting wires

		0			
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		25		
125	00	5.5	00	φ1.6mm x 3	φ1.6
140	26		23		

%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		
125	29	0	31	φ1.6mm x 3	φ1.6
140	30	8	30		

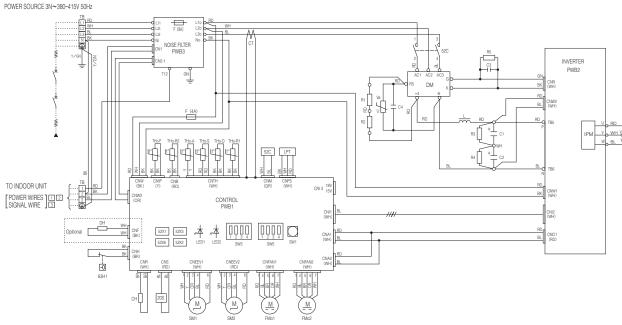
The specifications shown in the above table are for units without heaters. For units with heaters, refer
to the installation instructions or the construction instructions of the indoor unit.

 Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.

In 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 by turning ON this switch. This sw turned ON in the area where outs becomes below the freezing poin				

500-1	Bonoor control ontaligo	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 (DTrial operation can be performed by using SW3-3,4. Compressor will be in the operation when SW3-3 is ON. (Cooling trial operation will be performed when SW3-4 is OFF, and heating trial operation when SW3-4 is ON. (Be sure to turn OFF SW3-3 after the trial operation is finished.



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	Auxilliary relay (for CH)		
52X2	Auxilliary relay (for DH)		
52X3	Auxilliary relay (for 20S)		
52X6	Auxilliary relay (for 52C)		
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					
125	15	3.5	27	φ1.6mm x 3	φ1.6
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		26		
125	18	3.5	23	φ1.6mm x 3	φ1.6
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)

		The defrosting operation interval becomes shorter by turning ON this switch. This switch should be	Mark	<	Color
SW3-1	Defrost control change	turned ON in the area where outside temperature	BK		Black
		becomes below the freezing point.			Blue
		When this switch is turned ON, the outdoor unit	BR		Brown
SW3-2 Snow guard fan co	Snow quard fan control	fan will run for 30 seconds in every 10 minutes, when outdoor temperature falls to 3°C or lower and	OR		Orange
	Show guara fair control	the compressor is not runnning when the unit is used			Red
		in a very snowy country, set this switch to ON.	WH		White
	Trial operation	Method of trial operation	Y		Yellow
		 Trial operation can be performed by using SW3-3,4. Compressor will be in the operation when SW3-3 is ON. 	Y/0	GN	Yellow/Gre
SW3-3,4		Compressor will be in the operation when SW3-3 is ON.	GR		Gray
		and heating trial operation when SW3-4 is ON.	P		Pink
		@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
Р	Pink

1

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) $^\circ\!C$ or less, relative hummdity : 80% or less (Note 5)	
Limitations on unit and pipi	ing installation	See page 99 and 100	
Compressor	Cycle Time	7 minutes or more (from OFF to OFF) or (from ON to ON)	
ON-OFF cycling	Stop Time	3 minutes or more	
	Voltage range	Rating ±10%	
Power source	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.

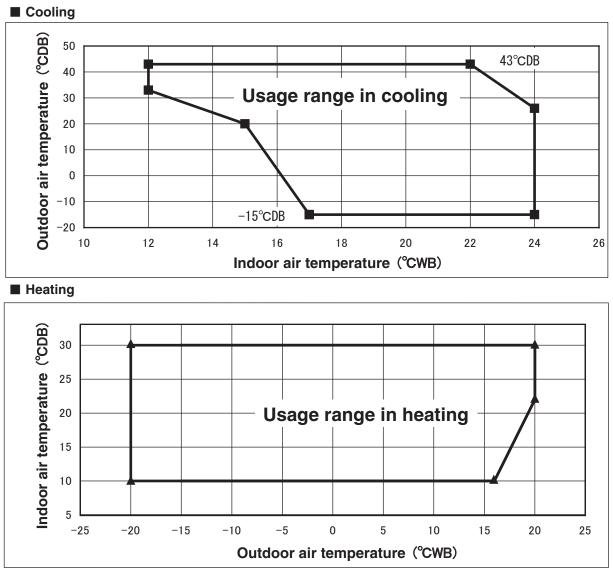
Note 3. Both gas and liquid pipes need to be coverd with 20mm or thicker heat insulation materials at the place where humidity exceeds 70%.

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



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

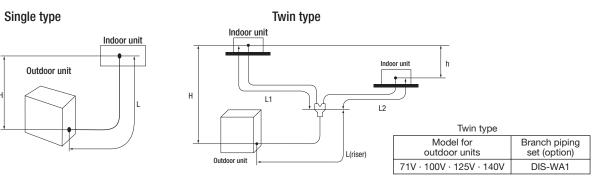
- 1) Install the outdoor unit at the place where strong wind cannot blow directly into the outdoor unit.
- 2) If there is no installation place where can prevent strong wind from directly blowing into the outdoor unit, mount the flex flow adapter (prepared as optional part) or like such devices onto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

-	Models for outdoor unit		Dimensional limitations	Marks appearing in the drawing	
Descriptions				Single type	Twin type
	71V		≦ 50m	- L	L + L1 + L2
One-way pipe length	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	н	Н
		100V · 125V · 140V			
	When outdoor unit is positioned lower	71V	- <u>≤</u> 15m	н	Н
		100V · 125V · 140V			
Elevation difference among indoor units	≦ 0.5m		h		



(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	

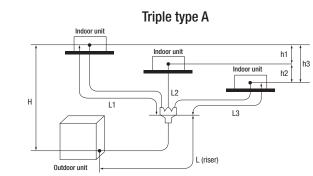
- 99 -

PCA001Z576

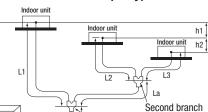
Limitation on unit and piping installation - triple.					
			Marks appearing in the drawing		
Descriptions	Models for outdoor unit	Dimensional limitations	Triple type A	Triple type B	
One-way pipe length	140V	≦ 100m	L + L1 + L2 + L3	L + La + L1 + L2 + L3 %1	
Main pipe length	140V	≦ 100m	L	L	
One-way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

н

Outdoor unit



	Branch piping set (option)							
Γ	Model for	Triple type A	Triple type B					
	outdoor units	Branch piping	First branch	Second branch				
	140V	DIS-TA1	DIS-WA1	DIS-WA1				



L (riser)

First branch

Triple type B

h3

\approx 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.

(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.

HYPER INVERTER PACKAGED AIR-CONDITIONERS

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