				Model	FDUM100VNPWVH			
Item					Indoor unit	FDUM100VH	Outdoor unit FDC100VNP-W	
Power source						1 Phase 220-24	40V 50Hz / 220V 60Hz	
Nominal cooling capacity (range)			kW		10.0 [2.1(Min.) - 10.2(Max.)]			
	Nominal heating ca	pacity (rang	e)	kW		10.0 [1.7(Min.) - 10.4(Max.)]		
	Cooling			3.08				
Operation data	Power consumption Heating		kW	2.45				
	Max power consumption] [4.46				
	Cooling			13.1/13.7				
	Running current Heating			10.4/10.9				
	Inrush current, max current		1 f	5, 19				
		Cooling			98/98			
	Power factor		Heating	- %	98/98			
	EER				3.25			
	COP Heating		-1 F		4.08			
		Cooling		++	68			
	Sound power level		Heating			65	67	
							56	
	Sound pressure le	el	Cooling	dB(A)	P-Hi: 44 Hi: 38 Me: 36 Lo: 30			
			Heating	-			54	
	Silent mode	Cooling			-		52	
	sound pressure leve		Heating	\downarrow			50	
Exterior dimensions (Height x Width x Depth)			mm	280 × 1	,370 × 740	750 × 880(+88) × 340		
Exterior appea				T T			Stucco white	
(Munsell color)					-	(4.2Y7.5/1.1) near equivalent		
(RAL color)			\downarrow			(RAL 7044) near equivalent		
Net weight			kg	54		57		
Compressor ty	ype & Q'ty					-	RMT5118SWP1 (Twin rotary type)×1	
Compressor motor (Starting method)			kW		_	Direct line start		
Refrigerant oil (Amount, type)			L		-	0.675 (DIAMOND FREEZE MB75)		
Refrigerant (Type, amount, pre-charge length)			kg	R32 1	7 in outdoor unit (Incl	the amount for the piping of 15m)		
leat exchange		0 0 /			Louver fin & inner grooved tubing M shape fin & inner grooved tubing			
Refrigerant co				++	Electronic expansion valve			
an type & Q't				+	Centrifugal fan ×3		Propeller fan ×1	
	arting method)			W		Direct line start >	86 < Direct line start >	
	arting method)		Casling		100 + 130 <		63	
Air flow			Cooling	m³/min	P-Hi: 36 Hi: 2	8 Me: 25 Lo: 19		
Heating			+			55		
Available external static pressure			Pa	Standard : 60 Max : 100				
Outside air intake			<u> </u>		ssible	-		
Air filter, Quality / Quantity					re locally	-		
Shock & vibrat	tion absorber				Rubber sleev	e (for fan motor)	Rubber sleeve (for fan motor & compress	
Electric heater	·			W		-	_	
.	Remote control				(Option) Wired : RC-EX3A,RC-E5,RCH-E3 Wireless : RCN-KIT4-E2			
Operation control	Room temperature control				Thermostat by electronics			
ontroi	Operation display					_		
Safety equipments				Compressor overheat protection, Overcurrent protection Frost protection, Serial signal error protection, Indoor fan motor error protection Heating overload protection(High pressure control), Cooling overload protection				
		Refrigerant piping size (O.D.) Liquid line		mm	I/U φ9.52 (3/8") Pipe φ6.35(1/4")x0.8 O/U φ6.35 (1/4")			
	Refrigerant piping a							
	Refrigerant piping s	ize (O.D)	Gas line		φ	5.88 (5/8") Pipe φ	15.88(5/8")x1.0 φ15.88 (5/8")	
	Refrigerant piping s Connecting method					5.88 (5/8") Pipe ϕ e piping		
nstallation	Connecting method					. , , ,	15.88(5/8")x1.0 φ15.88 (5/8")	
	Connecting method Attached length of p	l		m		e piping	15.88(5/8")x1.0 φ15.88 (5/8") Flare piping —	
	Connecting method Attached length of p Insulation for piping	l Diping	Gas line	m		e piping — Necessary (bo	15.88(5/8")x1.0 φ15.88 (5/8") Flare piping — th Liquid & Gas lines)	
	Connecting method Attached length of p Insulation for piping Refrigerant line (on	l piping e way) leng	Gas line	m m m	Flar	e piping — Necessary (bo M	15.88(5/8")x1.0 φ15.88(5/8") Flare piping — th Liquid & Gas lines) Max.30m	
nstallation lata	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be	l piping e way) leng	Gas line	m	Flar Max.20n	e piping – Necessary (bo M n (Outdoor unit is high	15.88(5/8")x1.0 φ15.88(5/8") Flare piping — th Liquid & Gas lines) Max.30m ler) / Max.20m (Outdoor unit is lower)	
lata	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose	l piping e way) leng	Gas line	m m m m	Flar Max.20n Hose connectable	e piping – Necessary (bo M (Outdoor unit is high VP25(I.D.25, O.D.32)	15.88(5/8")x1.0 φ15.88(5/8") Flare piping — th Liquid & Gas lines) Max.30m	
lata Drain pump, m	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose max lift height	l piping e way) leng	Gas line	m m m m	Flar Max.20n Hose connectable	e piping – Necessary (bo M n (Outdoor unit is high	15.88(5/8")x1.0	
lata Drain pump, m Recommended	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose max lift height d breaker size	l piping e way) leng	Gas line	m m m m m mm A	Flar Max.20n Hose connectable	e piping – Necessary (bo M (Outdoor unit is high VP25(I.D.25, O.D.32)	15.88(5/8")x1.0 φ15.88 (5/8") Flare piping — th Liquid & Gas lines) Max.30m ler) / Max.20m (Outdoor unit is lower) Hole size φ20 x 4 pcs —	
lata Drain pump, m Recommender R.A. (Locked	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose hax lift height d breaker size d rotor ampere)	l piping e way) leng tween O/U a	Gas line th nd I/U	m m m m	Flar Max.20n Hose connectable Built-in dra	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) hin pump , 600	15.88(5/8")x1.0 φ15.88 (5/8") Flare piping — th Liquid & Gas lines) Max.30m Hale size φ20 x 4 pcs — 5	
ata Drain pump, m Recommende .R.A. (Locked nterconnectin	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose hax lift height d breaker size d rotor ampere)	l piping e way) leng tween O/U a	Gas line	m m m m m mm A	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c	15.88(5/8")x1.0 φ 15.88 (5/8") Flare piping	
lata Drain pump, m Recommender R.A. (Locked nterconnectin P number	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires	l piping e way) leng tween O/U a	Gas line th nd I/U	m m m m m mm A	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0	15.88(5/8")x1.0 \$\phi\$15.88(5/8") Flare piping - th Liquid & Gas lines) - Max.30m - ter) / Max.20m (Outdoor unit is lower) - Hole size \$\phi\$20 x 4 pcs - - - 5 - able) / Termainal block (Screw fixing type) IPX4	
lata Drain pump, m Recommender R.A. (Locked nterconnectin P number	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires	l piping e way) leng tween O/U a	Gas line th nd I/U	m m m m m mm A	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c	15.88(5/8")x1.0 φ 15.88 (5/8") Flare piping	
Prain pump, m Recommender .R.A. (Locked nterconnectin P number itandard acce	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires	l piping e way) leng tween O/U a	Gas line th nd I/U	m m m m m mm A	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose	15.88(5/8")x1.0 \$\phi\$15.88(5/8") Flare piping - th Liquid & Gas lines) - Max.30m - ter) / Max.20m (Outdoor unit is lower) - Hole size \$\phi\$20 x 4 pcs - - - 5 - able) / Termainal block (Screw fixing type) IPX4	
Drain pump, m Recommender R.A. (Locked nterconnectin P number Standard acce Dption parts	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) ig wires	I biping e way) leng tween O/U a	Gas line th nd I/U pre number	m m m m A A A A	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor	e piping Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose	15.88(5/8")x1.0 φ 15.88 (5/8") Flare piping	
Drain pump, m Recommender R.A. (Locked nterconnectin P number Standard acce Dption parts	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires essories	e way) leng tween O/U a Size x Co at the follo	Gas line th nd I/U ore number wing condition:	m m m m A A A A S.	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor Mounting	e piping – Necessary (bo M (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose Filter set : UM-FL3E	15.88(5/8")x1.0 ϕ 15.88 (5/8") Flare piping — th Liquid & Gas lines) Max.30m Hole size ϕ 20 x 4 pcs — Hole size ϕ 20 x 4 pcs — 5 able) / Termainal block (Screw fixing type) IPX4 Drain elbow, Drain hole grommet :F , Motion sensor : LB-KIT The pipe length is 7.5m.	
Drain pump, m Recommender .R.A. (Locked nterconnectin P number Standard acce Dption parts Notes (1) Tha	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires essories e data are measured ltem	e way) leng tween O/U a Size x Co at the follo	Gas line th nd I/U ore number wing conditions temperature	m m m m A A A A S.	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor Mounting or air temperature	e piping Necessary (bo Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose Filter set : UM-FL3E External static pres	15.88(5/8")x1.0	
lata Drain pump, m Recommender R.A. (Locked nterconnectin P number Standard acce Dption parts Notes (1) Tha	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires e data are measured ltem ration	e way) leng tween O/U a Size x Co at the folloc Indoor air DB	Gas line Cas	m m m A A A A S. Outdoo DB	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor Mounting or air temperature WB	e piping – Necessary (bo M (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose Filter set : UM-FL3E	15.88(5/8")x1.0	
lata Drain pump, m Recommender R.A. (Locked nterconnectin P number Standard acce Dption parts Notes (1) Tha	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires essories e data are measured ltem	at the folloc Indoor air DB 27°C	Gas line th nd I/U ore number wing conditions temperature	m m m A A A A S. Outdoo DB 35°C	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor Mounting or air temperature WB 24°C	e piping – Necessary (bo M (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose Filter set : UM-FL3E External static pres of indoor unit	15.88(5/8")x1.0	
lata Drain pump, m Recommender R.A. (Locked nterconnectin P number Standard acce Dption parts Notes (1) Tha	Connecting method Attached length of p Insulation for piping Refrigerant line (on Vertical height diff. be Drain hose nax lift height d breaker size d rotor ampere) g wires e data are measured ltem ration	e way) leng tween O/U a Size x Co at the folloc Indoor air DB	Gas line Cas	m m m A A A A S. Outdoo DB	Flar Max.20n Hose connectable Built-in dra 1.5mm ² x 4 cor Mounting or air temperature WB	e piping Necessary (bo Necessary (bo N (Outdoor unit is high VP25(I.D.25, O.D.32) in pump , 600 es (Including earth c PX0 kit, Drain hose Filter set : UM-FL3E External static pres	15.88(5/8")x1.0	

(4) Select the breaker size according to the own national standard.
(5) The operation data indicate when the air-conditioner is operated at 230V 50Hz or 220 V60Hz.
(6) Static pressure of option air filter "UM-FL2EF" is 5Pa initially.
(7) The external static pressure setting can be changed to 10-100Pa. (For RC-EX3A and RC-E5 only)