



Duct type unitary air conditioner type FGR Inverter

- Inverter duct type air conditioner

Application

- Indoor and outdoor set for cooling or heating of residential and office buildings

Refrigerant

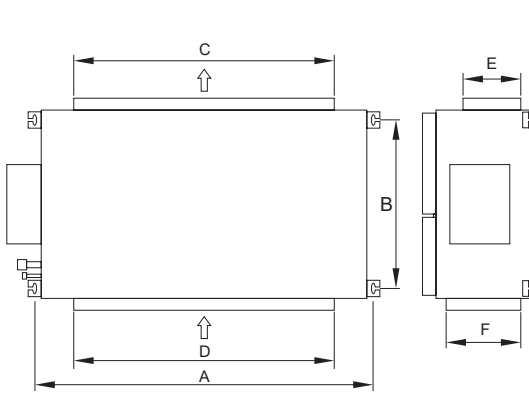
- R410a

Features

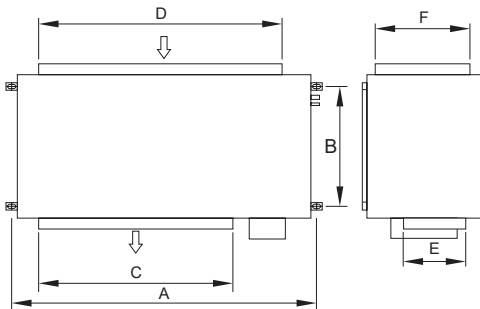
- Quiet operation thanks to unique-designed structure with Scroll type compressors
- High reliability thanks to the electronic expansion valve which can ensure the unit reliably operates even in bad conditions
- If the capacity of outdoor unit is 40kW, two outdoor units are needed for the operation of one indoor unit

Specifications				
Nominal operating conditions				
	Outdoor conditions		Indoor conditions	
	DB Temperature (°C)	WB Temperature (°C)	DB Temperature (°C)	WB Temperature (°C)
Cooling	35	24	27	19
Heating	7	6	20	15
Operation range	Cooling		(°C)	-15 ~ +48
	Heating		(°C)	-15 ~ +24

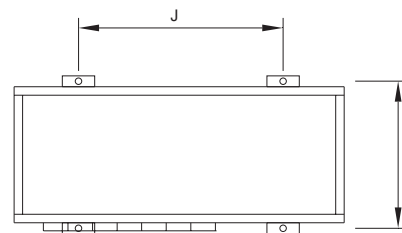
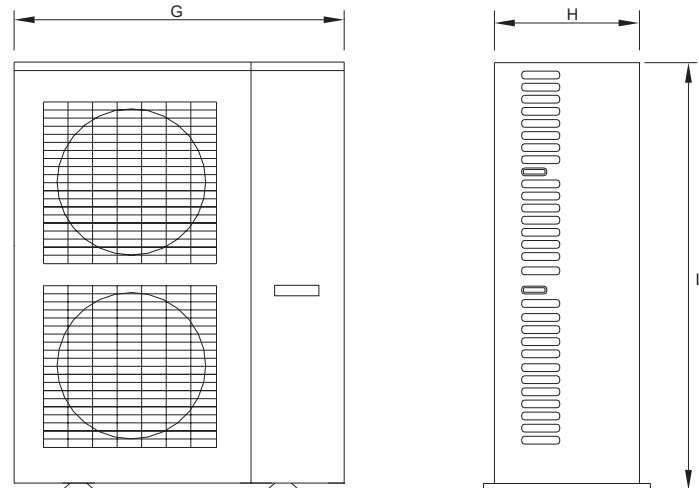
				Specifications			
Model	Heat pump			FGR20Pd/DNa-X	FGR25Pd/DNa-X	FGR30Pd/DNa-X	FGR40Pd/D(2)Na-X
Characteristics of units	Capacity	Cooling	[kW]	20	25	30	40
		Heating*	[RT]	22	27.5	33	43
	Power supply	V-Ph-Hz		380-415V-3Ph-50Hz			
Power input	Cooling		[kW]	7.8	9.4	11.3	15.4
		Heating	[kW]	6.8	8.9	10.3	13.9
Indoor unit	Airflow volume		[m ³ /h]	3800	4200	5200	7000
	Esp default		[CFM]	2237	2472	3060	4120
	Esp range		[Pa]	120	120	120	120
	Esp range		[Pa]	0-250	0-250	0-250	0-250
	Sound pressure level		[dB(A)]	52	53	55	56
	Outline dimensions	W x D x H	[mm]	1460x790x365	1690x870x440	1690x870x440	1680x900x650
	Package dimensions	W x D x H	[mm]	1575x880x385	1785x985x450	1785x985x450	1800x1020x670
	Weight		[kg]	82	99	105	175
Outdoor unit	Gross weight		[kg]	104	134	145	210
	Sound pressure level		[dB(A)]	62	63	65	66
	Outline dimensions	W x D x H	[mm]	940x320x1430	940x460x1615	940x460x1615	2 x 940x320x1430
	Package dimensions	W x D x H	[mm]	1020x420x1460	1020x560x1645	1020x560x1645	2 x 1020x420x1460
	Net weight		[kg]	115	146	165	2 x 230
Connecting pipe diameter	Diameter	Liquid	[inch]	3/8	3/8	1/2	3/8
		Gas	[inch]	3/4	7/8	1	3/4
	Max. piping length		[m]	50	50	50	50
	Max. height difference between IDU & ODU		[m]	30	30	30	30



■ IDU FGR20Pd/DNa-X(I) - FGR30Pd/DNa-X(I)



■ IDU FGR40Pd/D(2)Na-X(I)



■ ODU FGR20Pd/DNa-X(O) - FGR30Pd/DNa-X(O)

	Dimensions					
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
FGR20Pd/DNa-X(I)	1334	632	990	1150	192	363
FGR25Pd/DNa-X(I)	1541	705	980	1350	270	420
FGR30Pd/DNa-X(I)	1541	705	980	1350	270	420
FGR40Pd/DNa-X(I)	1730	760	1160	1450	360	560
	G [mm]	H [mm]	I [mm]	J [mm]	K [mm]	
FGR20Pd/DNa-X(O)	940	320	1430	632	350	
FGR25Pd/DNa-X(O)	940	460	1615	610	486	
FGR30Pd/DNa-X(O)	940	460	1615	610	486	