



# Micro KXZ Heat pump systems

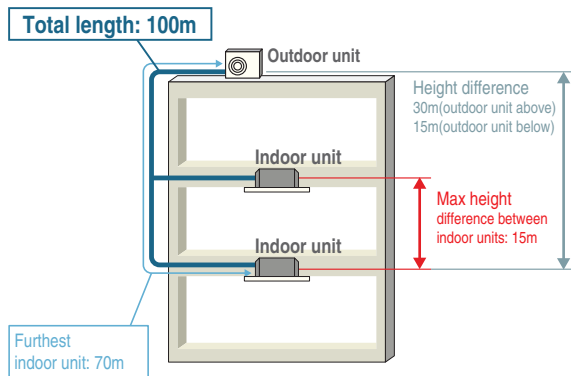
## 4 ~ 6HP (11.2kW~15.5kW)

Model No.	Nominal Cooling Capacity
FDC112KXZEN1-W	11.2kW (220V)
FDC140KXZEN1-W	14.0kW (220V)
FDC155KXZEN1-W	15.5kW (220V)
FDC112KXZES1-W	11.2kW (380V)
FDC140KXZES1-W	14.0kW (380V)
FDC155KXZES1-W	15.5kW (380V)

NEW

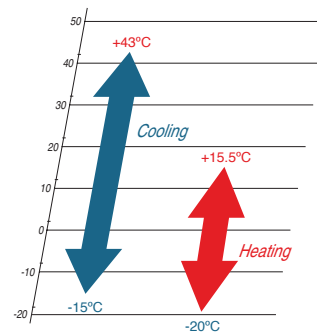


- Low Global Warming Potential (GWP) and High energy efficiency by new refrigerant R32.
- Connect up to 10 indoor units/up to 150% capacity.
- High efficiency with EER up to 4.39.
- These units employ DC inverter compressors ONLY.
- Industry leading total piping length up to 100m and a maximum pipe run of 70m.



\* The total length of  $\phi 9.52\text{mm}$ (3/8") liquid piping must be 50m or less

Range of operation



## Specifications

Item	Model	FDC112KXZEN1-W	FDC140KXZEN1-W	FDC155KXZEN1-W	FDC112KXZES1-W	FDC140KXZES1-W	FDC155KXZES1-W	
Nominal horse power		4HP	5HP	6HP	4HP	5HP	6HP	
Power source		1 Phase 220-240V, 50Hz			3 Phase 380-415V, 50Hz			
Starting current	A	5						
Max current	A	23			13.5			
Nominal capacity	Cooling	kW						
	Heating	kW						
Electrical characteristics	Power consumption	Cooling	kW					
		Heating	kW					
Exterior dimensions	HxWxD	mm						
Net weight	kg	85			87			
Sound pressure level	Cooling/Heating	dB(A)						
Refrigerant	Type / GWP	R32 / 675						
	Charge	kg/TCO <sub>2</sub> Eq						
Refrigerant piping size	Liquid line	mm(in)						
	Gas line	mm(in)						
Capacity connection	%	80~150						
Number of connectable indoor units		8	10	10	8	10	10	

1.The data are measured under the following conditions (ISO-T1, H1). Cooling: indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: indoor temp. was 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

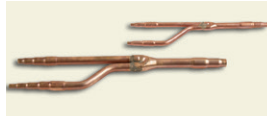
2.Sound pressure level indicates the value in an anechoic chamber. During operation these values were are somewhat higher due to ambient conditions.

3.'tonne(s) of CO<sub>2</sub> equivalent' means a quantity of greenhouse gases-expressed as the product of the weight of greenhouse gases in metric tonnes and of their global warming potential

# Refrigerant piping

Outdoor unit (HP)		4	5	6
Gas pipe	Furthest indoor unit =<70m	ø15.88		
Liquid pipe		ø9.52		

Branch pipes



DIS-22-1G  
DIS-180-1G

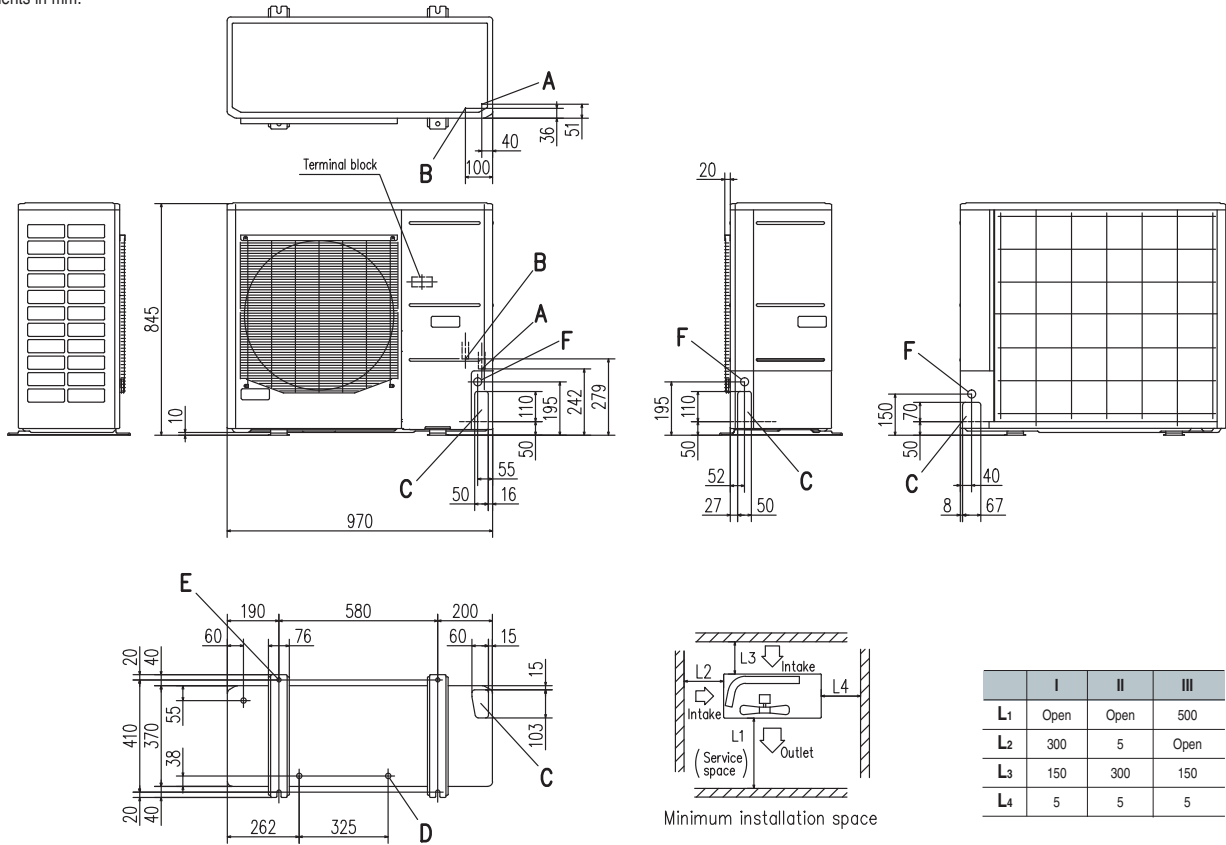
Header pipe



HEAD4-22-1G  
HEAD6-180-1G

# Dimensions

All measurements in mm.



	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150
L4	5	5	5

Mark	Content	
A	Service valve connection (gas side)	ø15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	ø9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ø20 x 3 places
E	Anchor bolt hole	M10 x 4 places
F	Cable draw-out hole	ø30 x 3 places

Notes:

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