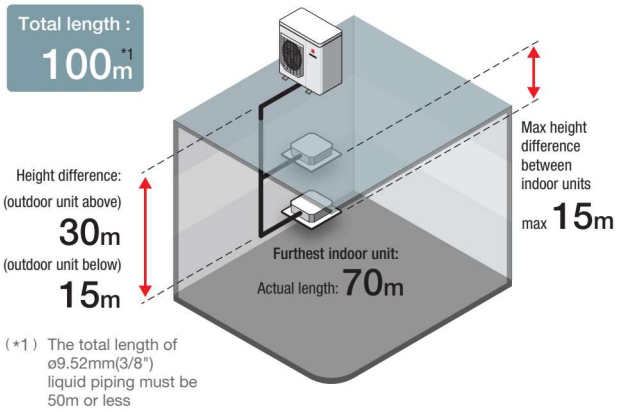
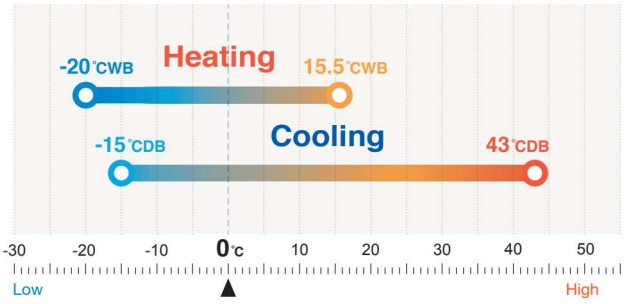
4–6 HP (11.2kW – 15.5kW)

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)

- Low Global Warming Potential (GWP) and High energy effciency 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.



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	11.2	14.0	15.5	11.2	14.0	15.5
	Heating			11.2	14.0	15.5	11.2	14.0	15.5
Electrical characteristics	Power consumption	Cooling	kW	2.55	4.00	5.20	2.55	4.00	5.20
		Heating		2.53	3.52	4.06	2.53	3.52	4.06
Exterior dimensions	HxWxD		mm	845x970x370					
Net weight			kg	85			87		
Sound pressure level	Cooling/Heating		dB(A)	53/55	54/58	54/58	53/55	54/58	54/58
Refrigerant	Type / GWP			R32 / 675					
	Charge		kg/TCO2Eq	4.2 / 2.835					
Refrigerant piping size	Liquid line		mm(in)	ø9.52 (3/8")					
	Gas line			ø15.88 (5/8")					
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_2 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

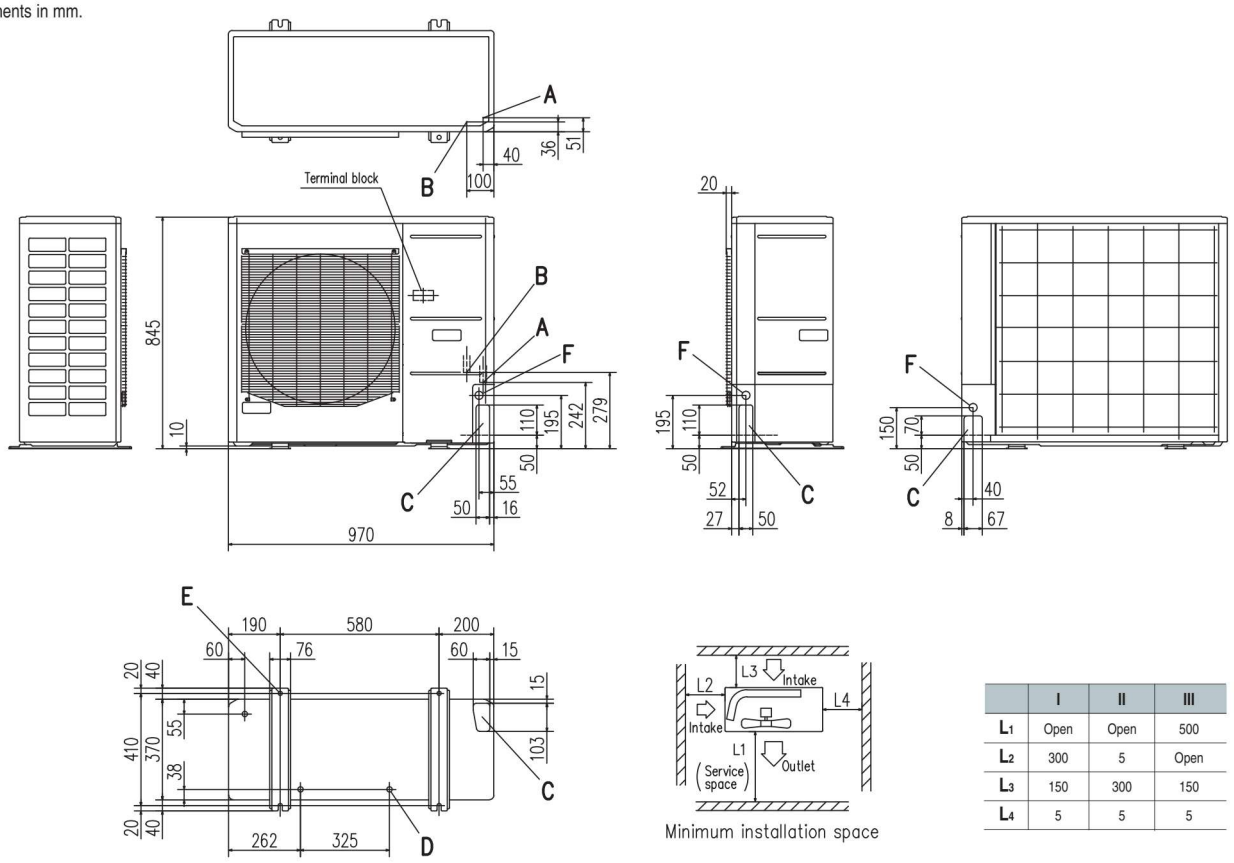
DIS-22-1G
DIS-180-1G

Header pipe

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

Dimensions

All measurements in mm.



Minimum installation space

	I	II	III
L_1	Open	Open	500
L_2	300	5	Open
L_3	150	300	150
L_4	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.

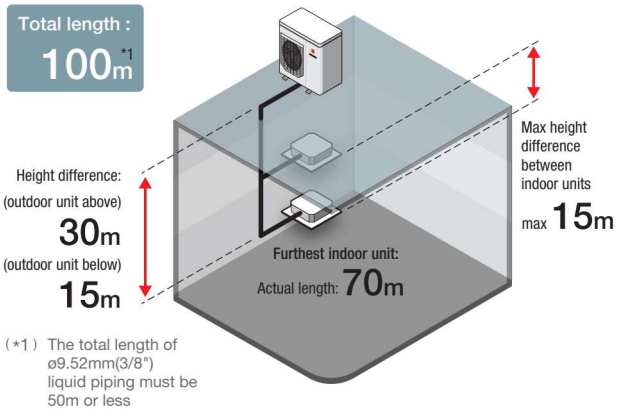
4–6 HP (11.2kW – 15.5kW)

R410A Blue Fin

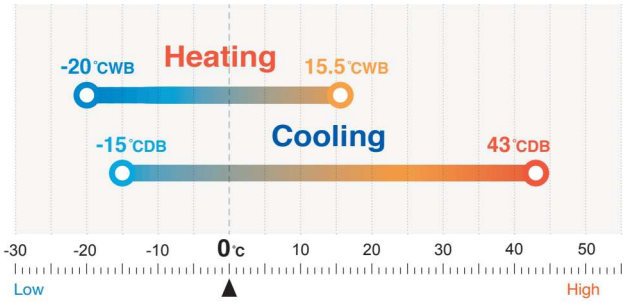
Model No.	Nominal Cooling Capacity
FDC112KXZEN1	11.2kW (220V)
FDC140KXZEN1	14.0kW (220V)
FDC155KXZEN1	15.5kW (220V)
FDC112KXZES1	11.2kW (380V)
FDC140KXZES1	14.0kW (380V)
FDC155KXZES1	15.5kW (380V)

- Connect up to 10* indoor units/up to 150% capacity.
- High efficiency with EER up to 4.44.
- These units employs DC inverter compressors ONLY.
- Industry leading total piping length up to 100m and a maximum pipe run of 70m.

*When connecting 9 units or more, set the total capacity as follows : 5HP : 110% or less, 6HP : 100% or less



Range of operation



Specifications

Item			Model	FDC112KXZEN1	FDC140KXZEN1	FDC155KXZEN1	FDC112KXZES1	FDC140KXZES1	FDC155KXZES1
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	28			13.5		
Nominal capacity	Cooling		kW	11.2	14.0	15.5	11.2	14.0	15.5
	Heating			11.2	14.0	15.5	11.2	14.0	15.5
Electrical characteristics	Power consumption	Cooling	kW	2.52	3.96	5.20	2.52	3.96	5.20
		Heating		2.57	3.66	4.28	2.57	3.66	4.28
Exterior dimensions	HxWxD		mm	845x970x370					
Net weight			kg	85			87		
Sound pressure level	Cooling/Heating		dB(A)	52/55	53/57	54/57	52/55	53/57	54/57
Refrigerant	Type / GWP			R410A / 2088					
	Charge		kg/TCO2Eq	5.0 / 10.44					
Refrigerant piping size	Liquid line		mm(in)	ø9.52(3/8")					
	Gas line			ø15.88(5/8")					
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_2 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

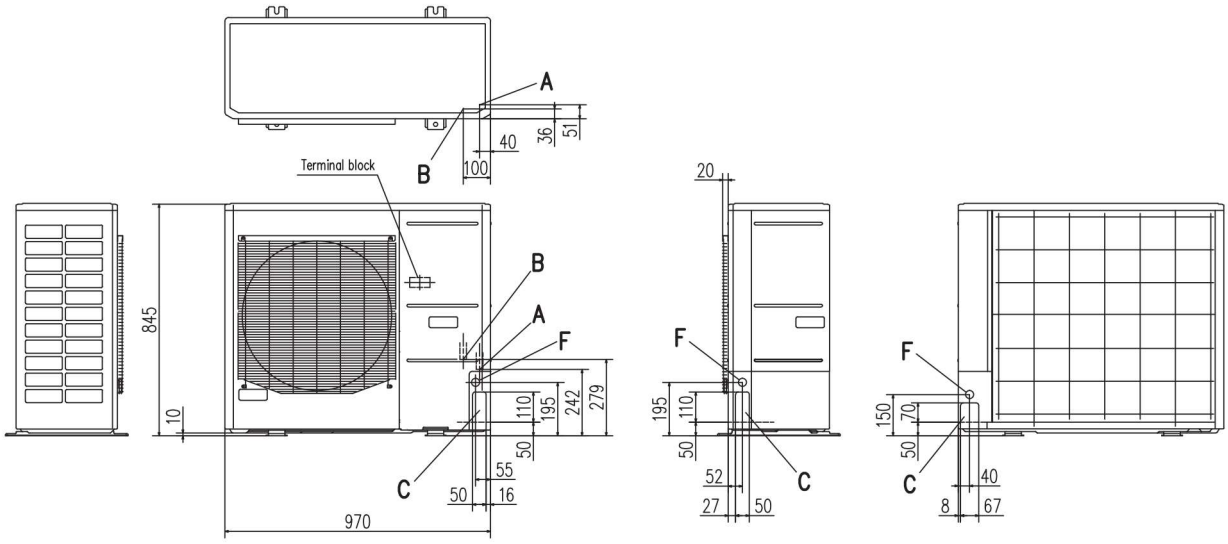
DIS-22-1G
DIS-180-1G

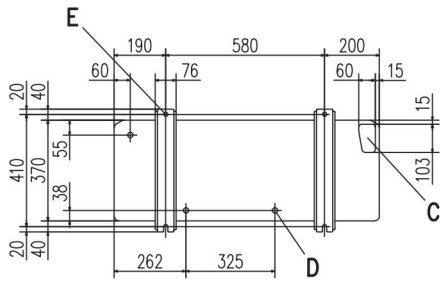
Header pipe

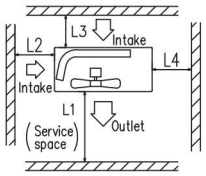
HEAD4-22-1G
HEAD6-180-1G

Dimensions

All measurements in mm.







Minimum installation space

	I	II	III
L_1	Open	Open	500
L_2	300	5	Open
L_3	150	300	150
L_4	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.