MITSUBISHI HEAVY INDUSTRIES
AIR CONDITIONING EUROPE

FDC1175KXZVE3

120.0kW

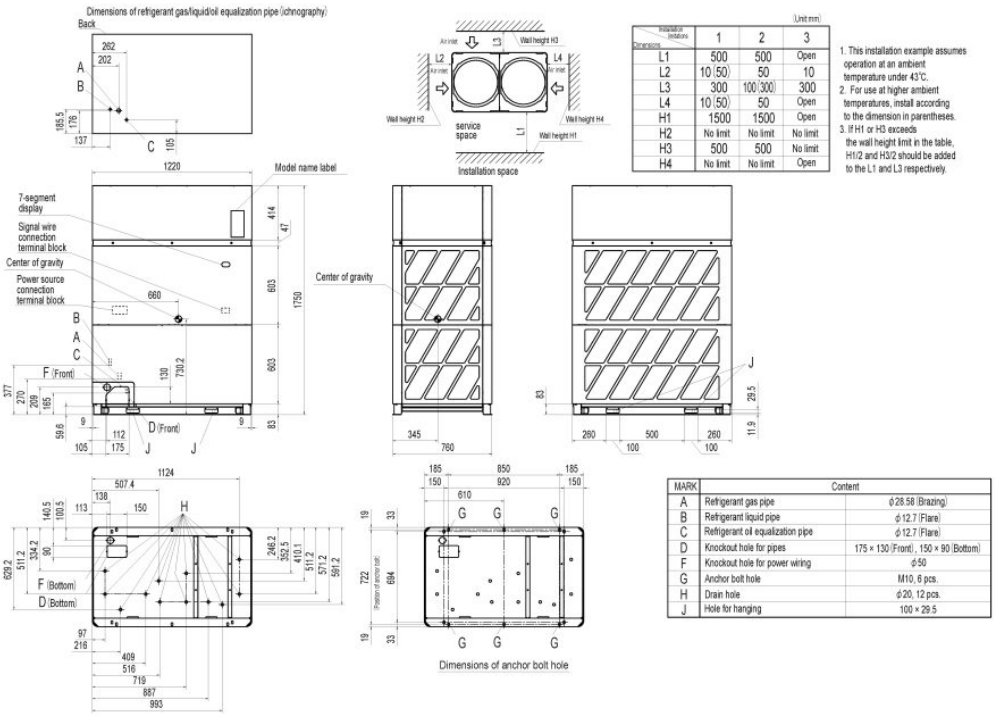
Specifications

Combination (FDC)				FDC400KXZE3 / FDC400KXZE3 / FDC400KXZE3
Nominal horse power				42HP
Power source				3 Phase 380-415V 50Hz
Max Current			A	97.2
Nominal capacity	Cooling		kW	120.0
	Heating			120.0
Electrical characteristics Power Consumption		Cooling	kW	35.2
		Heating		25.3
EER	Cooling			3.41
COP	Heating			4.75
Net Weight			kg	1056
Refrigerant	Type / GWP			R32 / 675
Refrigerant charge	R32		kg	8.7 x 3
Refrigerant piping size	Liquid line		mm (ø inch)	ø19.05 (3/4")
Refrigerant piping size	Gas line		mm (ø inch)	ø34.92 (1.3/8")
Refrigerant piping size	Oil equalization		mm (ø inch)	ø12.7 (1/2")
Capacity connection			%	50~150
Number of connectable indoor units				80
SEER / SCOP (Outdoor unit)				8.58 / 4.52

The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27ºCDB, 19ºCWB, and outdoor temp. of 35ºCDB. Heating: Indoor temp. of 20ºCDB, and outdoor temp. of 7ºCDB, 6ºCWB.
SEER/SCOP are based on EN14825:2018 and Commission regulation (EU) No.2016/2281. Temperature conditions for calculating SCOP are based on "Average climate".
Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
'tonne(s) of CO2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
Refrigerant contained in the products is a fluorinated greenhouse gas listed in Regulation (EU) No 517/2014.
When connecting the indoor unit type FDK, FDFL, FDFU or FDFW series, limit the connectable capacity not higher than 130%.

Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice.

Schematics



Installation limitations / Dimensions	1	2	3
L1	500	500	Open
L2	10 (50)	50	10
L3	300	100 (300)	300
L4	10 (50)	50	Open
H1	1500	1500	Open
H2	No limit	No limit	No limit
H3	500	500	No limit
H4	No limit	No limit	Open

MARK	Content	
A	Refrigerant gas pipe	ϕ28.58 (Brazing)
B	Refrigerant liquid pipe	ϕ12.7 (Flare)
C	Refrigerant oil equalization pipe	ϕ12.7 (Flare)
D	Knockout hole for pipes	175 × 130 (Front) , 150 × 90 (Bottom)
F	Knockout hole for power wiring	ϕ50
G	Anchor bolt hole	M10, 6 pcs.
H	Drain hole	ϕ20, 12 pcs.
J	Hole for hanging	100 × 29.5

FDC400KXZE3, FDC450KXZE3, FDC500KXZE3

Unit:mm