

**INDOOR UNITS**

# DUCTED HIGH STATIC PRESSURE ADJUSTABLE



WiFi optional

■ **9 capacities**

(4.50~28.00 kW)

■ Units with rear recovery

■ Adjustable static pressure 100~200 Pa for the models from 4.50 to 16.00 kW and only 200 Pa for the models from 22.40 to 28.00 kW

■ Maximum compactness: only 28 cm (models from 4.50 to 16.00 kW) and 37.9 cm high (22.40 and 28.00 kW models)

■ Integrated condensate drain pump for models from 4.50 to 16.00 kW

■ "Human sensor": LB-KIT2

FDU 45~160 KXE6F

FDU 224~280 KXZE1

COMPACT SIZE

280 mm



Models from 4.50 to 16.00 kW



Models from 22.40 to 28.00 kW

Model		FDU 45 KXE6F	FDU 56 KXE6F	FDU 71 KXE6F	FDU 90 KXE6F	FDU 112 KXE6F	FDU 140 KXE6F	FDU 160 KXE6F	FDU 224 KXZE1	FDU 280 KXZE1	
Rated capacity (Cooling)	kW	4.50	5.60	7.10	9.00	11.20	14.00	16.00	22.40	28.00	
Rated capacity (Heating)	kW	5.00	6.30	8.00	10.00	12.50	16.00	18.00	25.00	31.50	
Power supply		220-240V~50Hz									
Power input (Cooling)	kW	0.10 - 0.10	0.10 - 0.10	0.24 - 0.25	0.24 - 0.25	0.31 - 0.32	0.35 - 0.36	0.42 - 0.43	1.16 - 1.20	1.16 - 1.20	
Power input (Heating)	kW	0.10 - 0.10	0.10 - 0.10	0.24 - 0.25	0.24 - 0.25	0.31 - 0.32	0.35 - 0.36	0.42 - 0.43	1.16 - 1.20	1.16 - 1.20	
Rated current (Cooling)	A	0.63 - 0.58	0.63 - 0.58	1.80 - 1.70	1.80 - 1.70	2.00 - 2.00	2.30 - 2.20	2.70 - 2.50	6.80 - 6.50	6.80 - 6.50	
Rated current (Heating)	A	0.63 - 0.58	0.63 - 0.58	1.80 - 1.70	1.80 - 1.70	2.00 - 2.00	2.30 - 2.20	2.70 - 2.50	6.80 - 6.50	6.80 - 6.50	
Sound pressure level	dB(A)	Hi 32 Med 29 Lo 26		Hi 33 Med 29 Lo 25		Hi 38 Med 36 Lo 30		Hi 40 Med 34 Lo 29		Hi 40 Med 35 Lo 30	
Sound power level	dB(A)	60		65		71		72		74	
External dimensions (HxLxD)	mm	280x750x635		280x950x635		280x1370x740			379x1600x893		
Net weight	kg	29		34		54			89		
Refrigerant circuit/Heat exchanger		Finned and internally grooved pipes									
Refrigerant control		Electronic expansion valve									
Air treatment/fan type & quantity		Centrifugal fan x 1									
Motor	W	100		130		100 + 130		100 + 200		130 + 350	
Starting method		Direct. in line									
Air flow (standard)	m <sup>3</sup> h	Hi 600 Med 540 Lo 480		Hi 1140 Med 900 Lo 600		Hi 1680 Med 1500 Lo 1140		Hi 1920 Med 1560 Lo 1200		Hi 2100 Med 1680 Lo 1320	
Static pressure	Pa	Standard 100 Max 200								Max 200	
Fresh air inlet		Possible									
Air filter & quantity		To be found locally									
Shock & vibration absorption		Rubber vibration absorber (for fan motor)									
Thermal & acoustic insulation		Polyurethane foam									
Control devices		Wired control RC-E5 Optional; RCH-E3 Optional; RCN-KIT4-E2 Optional; RC-EX3 Optional									
Ambient temperature control		Electronically-controlled thermostat									
Safety devices		Overvoltage protection for the fan motor Anti-frost protection thermostat									
Refrigerant pipings' diameter	mm (in)	Liquid side: Ø6.35 (1/4") Gas side: Ø12.7 (1/2")		Liquid side Ø9.52 (3/8")				Gas side Ø15.88 (5/8")		Gas side Ø19.05 (3/4")	Gas side Ø22.2 (7/8")
Joining method		flare								to weld	
Refrigerant		R410A									
Drain pump		Built-in									
Condensate drain		Can be connected with VP25									
Piping insulation		Necessary (on both sides. Liquid & Gas)									
Accessories		-									