

Wall Mounted FDK

Model No.

FDK15KXZE1-W	FDK15KXZE1
FDK22KXZE1-W	FDK22KXZE1
FDK28KXZE1-W	FDK28KXZE1
FDK36KXZE1-W	FDK36KXZE1
FDK45KXZE1-W	FDK45KXZE1
FDK56KXZE1-W	FDK56KXZE1
FDK71KXZE1-W	FDK71KXZE1
FDK90KXZE1-W	FDK90KXZE1

*R32 indoor unit are not compatible with R410A outdoor unit and vice versa.



Remote control (option)

Wired



Wireless



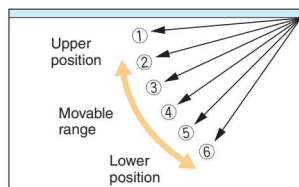
Elegant Timeless Design

The FDK series air conditioners are innovatively designed with rounded contours that beautifully fit into any of Europe's diverse interior settings. Created by an Italian industrial design studio based in Milan, Tensa srl, the design meets a broad range of requirements. (FDK15-56)

Flap control system

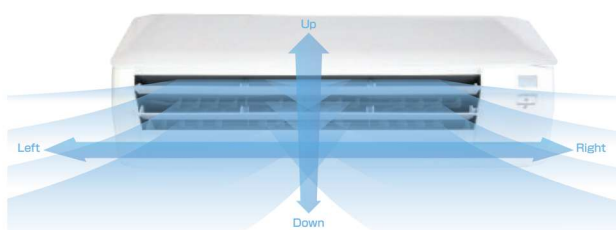
Selection of flap position is possible. A flap can be set at different angles.

*The wireless remote control is not applicable to the flap control system.



Lateral Swing ► flap swings from right to left automatically

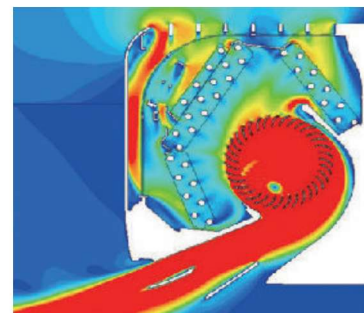
Up/Down Flap swing + Lateral swing



Jet Technology

FDK models adopt the air flow design that's proven to minimise resistance in a CFD analysis to achieve uniform air conditioning to the furthest corners of the room.

Fast ← → Slow
Colours in the figure show the air speed.



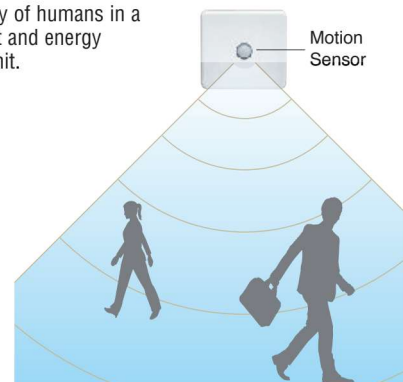
Motion Sensor

(Option)

Motion sensor is equipped in the ceiling plane or wall plane and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.



LB-KIT2



Specifications



Item	Model	FDK15KXE1-W	FDK22KXE1-W	FDK28KXE1-W	FDK36KXE1-W	FDK45KXE1-W	FDK56KXE1-W	FDK71KXE1-W	FDK90KXE1-W					
Nominal cooling capacity	kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1	9.0					
Nominal heating capacity	kW	1.7	2.5	3.2	4.0	5.0	6.3	8.0	10.0					
Power source		1 Phase 220-240V, 50Hz												
Power consumption	Cooling	0.02-0.02			0.03-0.03			0.04-0.04	0.05-0.05					
	Heating									0.02-0.02			0.03-0.03	
Sound power level	dB(A)	54	55		58		Cooling:58 Heating:61	59	61					
Sound pressure level	Cooling	P-Hi:38 Hi:34 Me:31 Lo:28		P-Hi:38 Hi:36 Me:30 Lo:27		P-Hi:40 Hi:38 Me:33 Lo:28		P-Hi:43 Hi:41 Me:36 Lo:33		P-Hi:44 Hi:42 Me:37 Lo:33	P-Hi:43 Hi:41 Me:36 Lo:33	P-Hi:44 Hi:42 Me:39 Lo:35		
	Heating												dB(A)	
Exterior dimensions H x W x D		290 x 870 x 230							339 x 1197 x 262					
Net weight		kg	11.5	11		11.5			17					
Air flow	Cooling	P-Hi:5.7 Hi:5 Me:4.5 Lo:3.6		P-Hi:8.5 Hi:8 Me:6 Lo:5		P-Hi:11 Hi:10 Me:8 Lo:7		P-Hi:12 Hi:11 Me:9 Lo:8		P-Hi:12 Hi:11 Me:9 Lo:8		P-Hi:13 Hi:12 Me:10 Lo:8	P-Hi:21 Hi:19 Me:16 Lo:14	P-Hi:23 Hi:21 Me:19 Lo:16
	Heating													
Outside air intake		Not possible												
Air filter, Q'ty		Polypropylene net x2 (Washable)												
Remote control(option)		wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-K-E2								wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-K71-E2				
Installation data		Liquid line:ø6.35(1/4")				Liquid line:ø6.35(1/4")				Liquid line:ø9.52(3/8")				
Refrigerant piping size		Gas line:ø9.52(3/8")				Gas line:ø12.7(1/2")				Gas line:ø15.88(5/8")				

1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 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 are somewhat higher due to ambient conditions.

Specifications

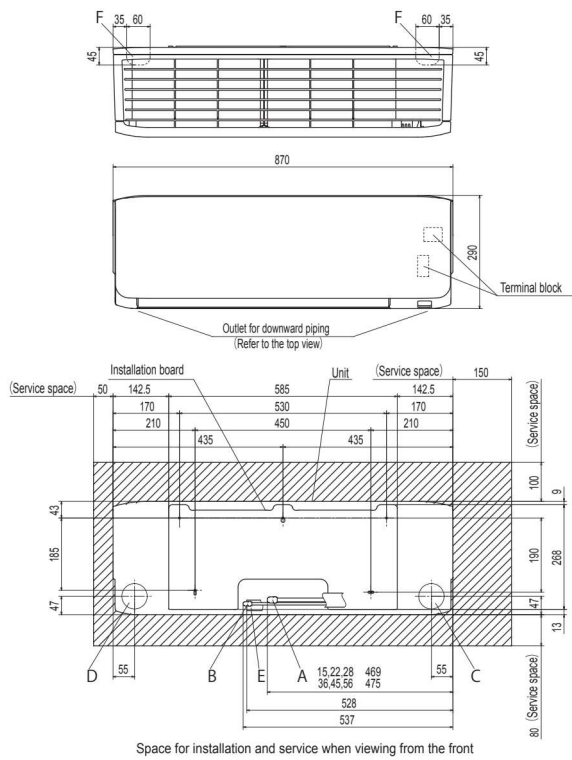


Item	Model	FDK15KXE1	FDK22KXE1	FDK28KXE1	FDK36KXE1	FDK45KXE1	FDK56KXE1	FDK71KXE1	FDK90KXE1	
Nominal cooling capacity	kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1	9.0	
Nominal heating capacity	kW	1.7	2.5	3.2	4.0	5.0	6.3	8.0	10.0	
Power source		1 Phase 220-240V, 50Hz								
Power consumption	Cooling	0.02-0.02				0.03-0.03		0.04-0.04	0.05-0.05	
	Heating	0.02-0.02				0.03-0.03		0.04-0.04	0.05-0.05	
Sound power level	dB(A)	54	55		58		Cooling:58 Heating:61	59	61	
Sound pressure level	Cooling	P-Hi:38 Hi:34 Me:31 Lo:28	P-Hi:38 Hi:36 Me:32 Lo:28		P-Hi:40 Hi:38 Me:33 Lo:28		P-Hi:43 Hi:41 Me:36 Lo:33	P-Hi:42 Hi:40 Me:37 Lo:35	P-Hi:44 Hi:42 Me:39 Lo:35	
	Heating						P-Hi:44 Hi:42 Me:37 Lo:33			
Exterior dimensions H x W x D		mm	290 x 870 x 230						339 x 1197 x 262	
Net weight		kg	11.5	11		11.5		17		
Air flow	Cooling	P-Hi:5.7 Hi:5 Me:4.5 Lo:3.6	P-Hi:8.5 Hi:8 Me:6 Lo:5		P-Hi:11 Hi:10 Me:8 Lo:7		P-Hi:12 Hi:11 Me:9 Lo:8	P-Hi:12 Hi:11 Me:9 Lo:8	P-Hi:21 Hi:19 Me:16 Lo:14	P-Hi:23 Hi:21 Me:19 Lo:16
	Heating							P-Hi:13 Hi:12 Me:10 Lo:8		
Outside air intake			Not possible							
Air filter, Q'ty			Polypropylene net x2 (Washable)							
Remote control(option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-K-E2						wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-K71-E2	
Installation data		mm(in)	Liquid line:ø6.35(1/4")			Liquid line:ø6.35(1/4")			Liquid line:ø9.52(3/8")	
Refrigerant piping size			Gas line:ø9.52(3/8")			Gas line:ø12.7(1/2")			Gas line:ø15.88(5/8")	

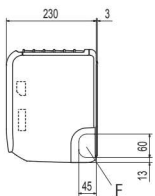
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2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

Dimensions

All measurements in mm.
FDK15KXE1-W, 22KXE1-W, 28KXE1-W, 36KXE1-W, 45KXE1-W, 56KXE1-W
FDK15KXE1, 22KXE1, 28KXE1, 36KXE1, 45KXE1, 56KXE1

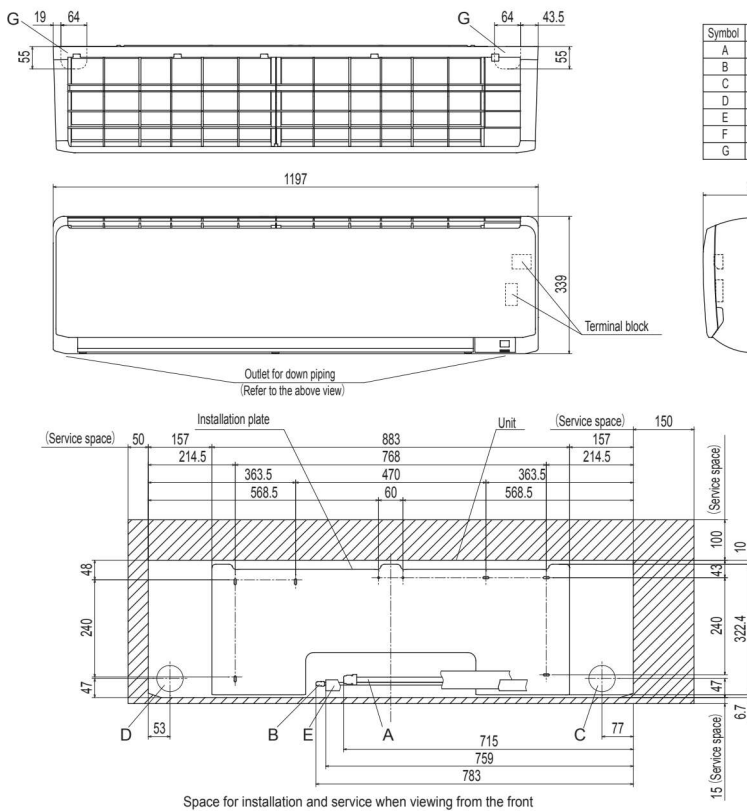


Symbol	Model	Content
A	Gas piping	15.22.28 $\phi 9.52 (3/8")$ (Flare) $\phi 12.7 (1/2")$ (Flare)
B	Liquid piping	$\phi 6.35 (1/4")$ (Flare)
C	Hole on wall for right rear piping	($\phi 65$)
D	Hole on wall for left rear piping	($\phi 65$)
E	Drain hose	VP16 (O.D.22)
F	Outlet for wiring (on both side)	

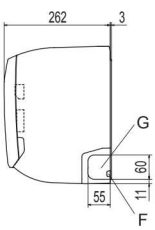


Note (1) The model name label is attached on the right side of the unit.

FDK71KXE1-W, 90KXE1-W
FDK71KXE1, 90KXE1



Symbol	Model	Content
A	Gas piping	$\phi 15.88 (5/8")$ (Flare)
B	Liquid piping	$\phi 9.52 (3/8")$ (Flare)
C	Hole on wall for right rear piping	($\phi 65$)
D	Hole on wall for left rear piping	($\phi 65$)
E	Drain hose	VP16 (O.D.22)
F	Outlet for wiring (on both side)	
G	Outlet for piping (on both side)	



Note (1) The model name label is attached on the underside of the indoor unit.