

Duct Connected (thin) -Low Static Pressure-FDUT

Model No.

FDUT15KXE6F-W	FDUT15KXE6F-E
FDUT22KXE6F-W	FDUT22KXE6F-E
FDUT28KXE6F-W	FDUT28KXE6F-E
FDUT36KXE6F-W	FDUT36KXE6F-E
FDUT45KXE6F-W	FDUT45KXE6F-E
FDUT56KXE6F-W	FDUT56KXE6F-E
FDUT71KXE6F-W	FDUT71KXE6F-E



Remote control (option)

Wired



RC-EX3D RC-E5 RCH-E3

Wireless



RCN-KIT4-E2

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

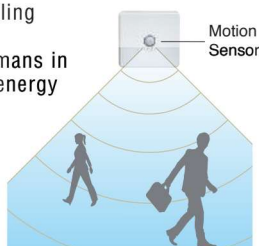
Motion Sensor

(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

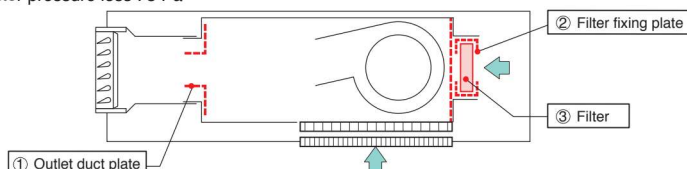


Filter kit

(Option)

Item	Contents	for FDUT15/22/28/36	for FDUT45/56	for FDUT71
Outlet duct plate	①	UT-SAT1EF	UT-SAT2EF	UT-SAT3EF
Filter set	②+③	UT-FL1EF	UT-FL2EF	UT-FL3EF

Filter pressure loss : 5 Pa



Specifications



Item		Model	FDUT15KXE6F-W	FDUT22KXE6F-W	FDUT28KXE6F-W	FDUT36KXE6F-W	FDUT45KXE6F-W	FDUT56KXE6F-W	FDUT71KXE6F-W
Nominal cooling capacity		kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity		kW	1.7	2.5	3.2	4.0	5.0	6.0	8.0
Power source			1 Phase 220-240V, 50Hz						
Power consumption	Cooling	kW	0.057-0.058	0.063-0.066	0.067-0.070	0.075-0.078	0.076-0.080	0.08-0.08	
	Heating		0.057-0.058	0.065-0.067	0.070-0.072	0.072-0.076	0.073-0.078	0.07-0.07	
Sound power level		dB(A)	Cooling:52 Heating:51	52	Cooling:54 Heating:55	54	55	Cooling:56 Heating:57	
Sound pressure level ^{*1}	Cooling	dB(A)	Hi:28 Me:26 Lo:21 Hi:28 Me:25 Lo:20	Hi:28 Me:26 Lo:22	Hi:30 Me:28 Lo:24 Hi:31 Me:29 Lo:25	Hi:30 Me:26 Lo:24 Hi:30 Me:27 Lo:25	Hi:31 Me:27 Lo:24 Hi:31 Me:28 Lo:26	Hi:32 Me:28 Lo:27 Hi:32 Me:28 Lo:26	
	Heating								
Sound pressure level ^{*2}		dB(A)	Hi:32 Me:29 Lo:25	Hi:32 Me:29 Lo:25	Hi:37 Me:34 Lo:28	Hi:36 Me:33 Lo:27	Hi:38 Me:33 Lo:29	Hi:41 Me:37 Lo:32	
Exterior dimensions (H x W x D)		mm	200x750x500			200x950x500			220x1150x565
Net weight		kg	22	21	22	25			31
Air flow (Standard)		m³/min	Hi:6 Me:5 Lo:4	Hi:7.5 Me:6 Lo:5	Hi:8.5 Me:7 Lo:5.5	Hi:11.5 Me:9 Lo:7	Hi:12.5 Me:9 Lo:7.2	Hi:16 Me:13 Lo:9.5	
External Static pressure		Pa	Standard: 10 Max: 35				Standard: 10 Max: 50		
Outside air intake			Possible from return duct						
Air filter (option)			Filter set:UT-FL1EF				Filter set:UT-FL2EF		Filter set:UT-FL3EF
Remote control (option)			wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-KIT4-E2						
Installation data Refrigerant piping size		mm(in)	Liquid line:ø6.35(1/4") Gas line:ø9.52(3/8")			Liquid line:ø6.35(1/4") Gas line:ø12.7(1/2")			Liquid line:ø9.52(3/8") Gas line:ø15.88(5/8")

Specifications



Item	Model	FDUT15KXE6F-E	FDUT22KXE6F-E	FDUT28KXE6F-E	FDUT36KXE6F-E	FDUT45KXE6F-E	FDUT56KXE6F-E	FDUT71KXE6F-E
Nominal cooling capacity	kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity	kW	1.7	2.5	3.2	4.0	5.0	6.0	8.0
Power source		1 Phase 220-240V, 50Hz						
Power consumption	Cooling	kW	0.06-0.06	0.07-0.07		0.08-0.08		0.08-0.08
	Heating		0.06-0.06	0.07-0.07		0.08-0.08		0.07-0.07
Sound power level	dB(A)	52			57	58	59	
Sound pressure level ^{*1}	dB(A)	Hi:28 Me:26 Lo:22			Hi:33 Me:30 Lo:26	Hi:34 Me:32 Lo:30	Hi:35 Me:33 Lo:30	Hi:35 Me:31 Lo:28
Sound pressure level ^{*2}	dB(A)	Hi:32 Me:29 Lo:25			Hi:37 Me:34 Lo:28	Hi:36 Me:33 Lo:27	Hi:38 Me:33 Lo:29	Hi:41 Me:37 Lo:32
Exterior dimensions (H x W x D)	mm	200x750x500				200x950x500		220x1150x565
Net weight	kg	22	21		22	25		31
Air flow (Standard)	m³/min	Hi:6 Me:5 Lo:4	Hi:7.5 Me:6 Lo:5		Hi:8.5 Me:7 Lo:5.5	Hi:11.5 Me:9 Lo:7	Hi:12.5 Me:9 Lo:7.2	Hi:16 Me:13 Lo:9.5
External Static pressure	Pa	Standard: 10 Max: 35				Standard: 10 Max: 50		
Outside air intake		Possible from return duct						
Air filter (option)		Filter set:UT-FL1EF				Filter set:UT-FL2EF		Filter set:UT-FL3EF
Remote control (option)		wired:RC-EX3D, RC-E5, RCH-E3 wireless:RCN-KIT4-E2						
Installation data Refrigerant piping size	mm(in)	Liquid line:ø6.35(1/4") Gas line:ø9.52(3/8")			Liquid line:ø6.35(1/4") Gas line:ø12.7(1/2")			Liquid line:ø9.52(3/8") 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. The data of nominal cooling and heating capacity and sound pressure level are measured with 10Pa of external static pressure.

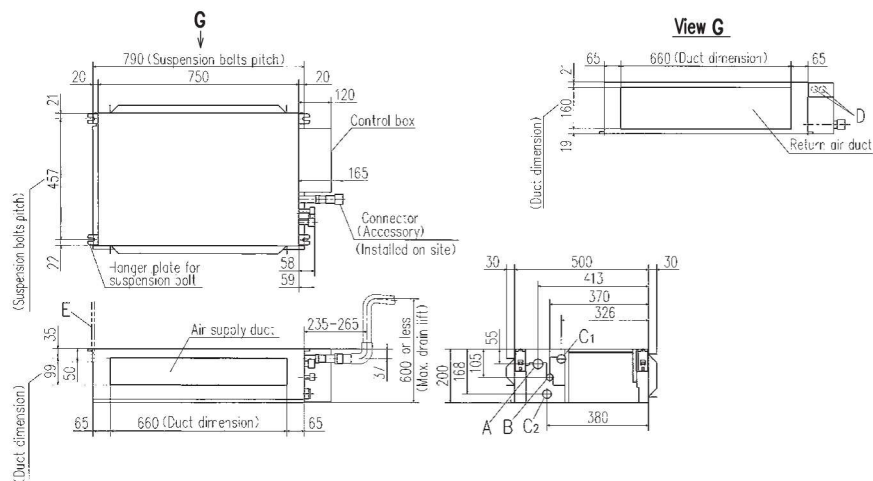
3. The sound level indicates the value of rear-intake type with duct in anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

4. Sound Pressure Level shows the value when the supply duct of 2m and the return duct of 1m (except the Bottom air return) are connected to the unit.

Sound pressure level ^{*1} : Mike position is 1.5m below the unit, ^{*2} : Mike position is 1m in front and 1m below of the air supply duct.

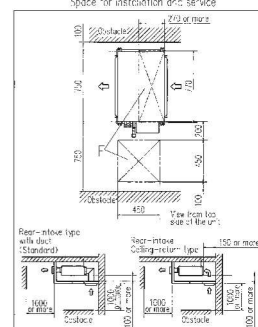
All measurements in mm.

FDUT15KXE6F-W, 22KXE6F-W, 28KXE6F-W, 36KXE6F-W
FDUT15KXE6F-E, 22KXE6F-E, 28KXE6F-E, 36KXE6F-E

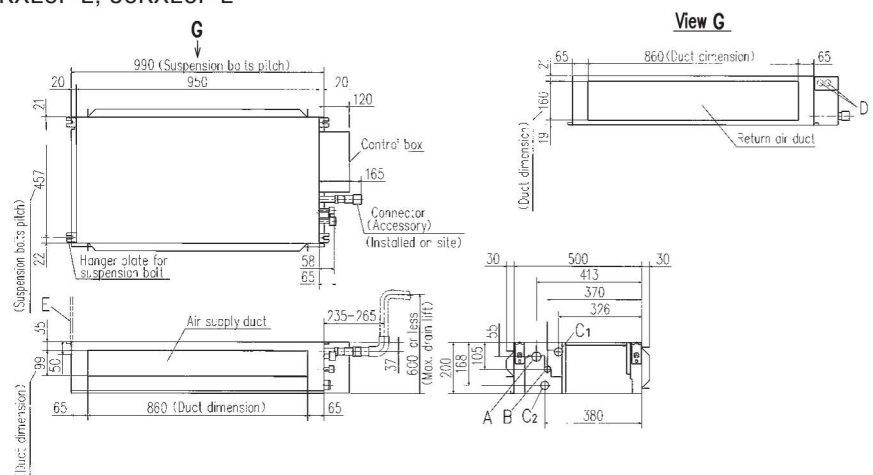


Symbol	Voltage	Current	35
A	Open-circuit	0.55 (1.8) (1.8)	0.12 (1.7) (1.7)
B	Open-circuit	0.35 (1.4) (1.4)	
C1	Open-circuit	MP25 (0.25, 0.33)	
C2	Open-circuit	(Used with allocated connector)	
D2	Open-circuit	MP25 (0.25, 0.33)	
E	(Open-circuit)	(Used with allocated connector)	
F	Open-circuit	0.25 (2.5)	
G	Open-circuit	(0.10)	
H	Open-circuit	0.25 (0.25, 0.33)	

Space for installation and service

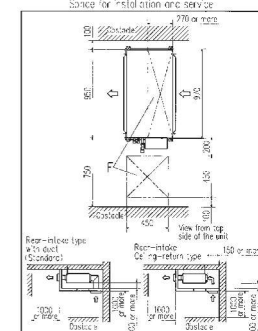


FDUT45KXE6F-W, 56KXE6F-W
FDUT45KXE6F-E, 56KXE6F-E

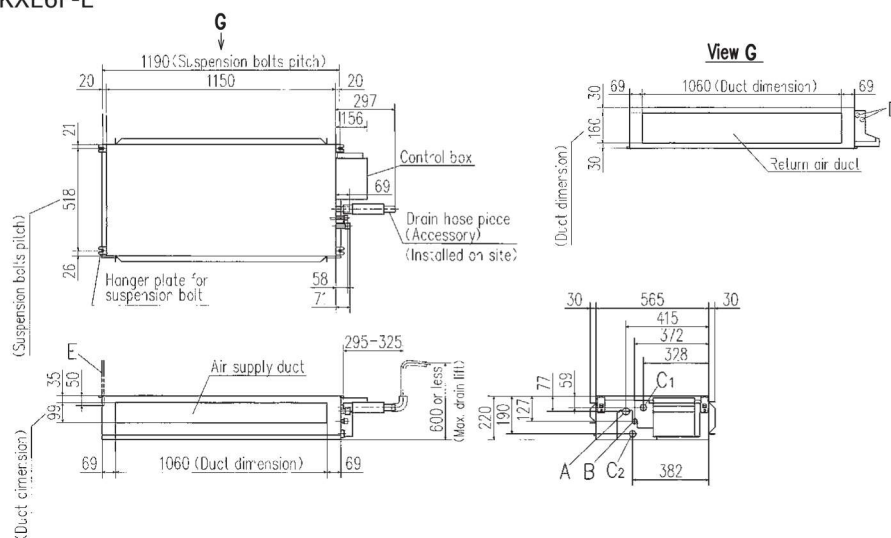


Symbol	Message	Content
A	Ordering	412.21(22) (Huge)
B	Ordering	46.33(14) (Huge)
C1	Ordering	4095.11(7), 0.3.32
C2	Ordering	(Used with <i>silicobac</i> connector)
C3	Ordering	4095.11(7), 0.3.32
C4	Ordering	(Used with <i>silicobac</i> connector)
C5	Ordering	425.2
C6	Ordering	117.0
C7	Ordering	425.2
C8	Ordering	117.0

Space for installation and service



FDUT71KXE6F-W
FDUT71KXE6F-E



Symbol	Meaning	Content
A	Gas piping	4" SDR 35 (1.585") (nickel)
B	Water piping	48 SDR 35 (1.585") (steel)
C	2nd piping	1/2" SDR 35 (0.625") (0.50") (Use steel clad nickel socket)
CG	3rd piping	1/2" SDR 35 (0.625") (0.50") (Use steel clad nickel socket)
D	4th piping	0.50" SDR 35 (0.50")
E	5th piping	0.50" SDR 35 (0.50")
F	6th piping	0.50" SDR 35 (0.50")
G	7th piping	0.50" SDR 35 (0.50")
H	8th piping	0.50" SDR 35 (0.50")
I	9th piping	0.50" SDR 35 (0.50")
J	10th piping	0.50" SDR 35 (0.50")
K	11th piping	0.50" SDR 35 (0.50")
L	12th piping	0.50" SDR 35 (0.50")
M	13th piping	0.50" SDR 35 (0.50")
N	14th piping	0.50" SDR 35 (0.50")
O	15th piping	0.50" SDR 35 (0.50")
P	16th piping	0.50" SDR 35 (0.50")
Q	17th piping	0.50" SDR 35 (0.50")
R	18th piping	0.50" SDR 35 (0.50")
S	19th piping	0.50" SDR 35 (0.50")
T	20th piping	0.50" SDR 35 (0.50")
U	21st piping	0.50" SDR 35 (0.50")
V	22nd piping	0.50" SDR 35 (0.50")
W	23rd piping	0.50" SDR 35 (0.50")
X	24th piping	0.50" SDR 35 (0.50")
Y	25th piping	0.50" SDR 35 (0.50")
Z	26th piping	0.50" SDR 35 (0.50")
AA	27th piping	0.50" SDR 35 (0.50")
AB	28th piping	0.50" SDR 35 (0.50")
AC	29th piping	0.50" SDR 35 (0.50")
AD	30th piping	0.50" SDR 35 (0.50")
AE	31st piping	0.50" SDR 35 (0.50")
AF	32nd piping	0.50" SDR 35 (0.50")
AG	33rd piping	0.50" SDR 35 (0.50")
AH	34th piping	0.50" SDR 35 (0.50")
AI	35th piping	0.50" SDR 35 (0.50")
AJ	36th piping	0.50" SDR 35 (0.50")
AK	37th piping	0.50" SDR 35 (0.50")
AL	38th piping	0.50" SDR 35 (0.50")
AM	39th piping	0.50" SDR 35 (0.50")
AN	40th piping	0.50" SDR 35 (0.50")
AO	41st piping	0.50" SDR 35 (0.50")
AP	42nd piping	0.50" SDR 35 (0.50")
AQ	43rd piping	0.50" SDR 35 (0.50")
AR	44th piping	0.50" SDR 35 (0.50")
AS	45th piping	0.50" SDR 35 (0.50")
AT	46th piping	0.50" SDR 35 (0.50")
AU	47th piping	0.50" SDR 35 (0.50")
AV	48th piping	0.50" SDR 35 (0.50")
AW	49th piping	0.50" SDR 35 (0.50")
AX	50th piping	0.50" SDR 35 (0.50")
AY	51st piping	0.50" SDR 35 (0.50")
AZ	52nd piping	0.50" SDR 35 (0.50")
BA	53rd piping	0.50" SDR 35 (0.50")
BB	54th piping	0.50" SDR 35 (0.50")
BC	55th piping	0.50" SDR 35 (0.50")
BD	56th piping	0.50" SDR 35 (0.50")
BE	57th piping	0.50" SDR 35 (0.50")
BF	58th piping	0.50" SDR 35 (0.50")
BG	59th piping	0.50" SDR 35 (0.50")
BH	60th piping	0.50" SDR 35 (0.50")
BI	61st piping	0.50" SDR 35 (0.50")
BJ	62nd piping	0.50" SDR 35 (0.50")
BK	63rd piping	0.50" SDR 35 (0.50")
BL	64th piping	0.50" SDR 35 (0.50")
BM	65th piping	0.50" SDR 35 (0.50")
BN	66th piping	0.50" SDR 35 (0.50")
BO	67th piping	0.50" SDR 35 (0.50")
BP	68th piping	0.50" SDR 35 (0.50")
BQ	69th piping	0.50" SDR 35 (0.50")
BR	70th piping	0.50" SDR 35 (0.50")
BS	71st piping	0.50" SDR 35 (0.50")
BT	72nd piping	0.50" SDR 35 (0.50")
BU	73rd piping	0.50" SDR 35 (0.50")
BV	74th piping	0.50" SDR 35 (0.50")
BW	75th piping	0.50" SDR 35 (0.50")
BX	76th piping	0.50" SDR 35 (0.50")
BY	77th piping	0.50" SDR 35 (0.50")
BZ	78th piping	0.50" SDR 35 (0.50")
CA	79th piping	0.50" SDR 35 (0.50")
CB	80th piping	0.50" SDR 35 (0.50")
CC	81st piping	0.50" SDR 35 (0.50")
CD	82nd piping	0.50" SDR 35 (0.50")
CE	83rd piping	0.50" SDR 35 (0.50")
CF	84th piping	0.50" SDR 35 (0.50")
CG	85th piping	0.50" SDR 35 (0.50")
CH	86th piping	0.50" SDR 35 (0.50")
CI	87th piping	0.50" SDR 35 (0.50")
CJ	88th piping	0.50" SDR 35 (0.50")
CK	89th piping	0.50" SDR 35 (0.50")
CL	90th piping	0.50" SDR 35 (0.50")
CM	91st piping	0.50" SDR 35 (0.50")
CN	92nd piping	0.50" SDR 35 (0.50")
CO	93rd piping	0.50" SDR 35 (0.50")
CP	94th piping	0.50" SDR 35 (0.50")
CQ	95th piping	0.50" SDR 35 (0.50")
CR	96th piping	0.50" S

Space for installation and service

