

FDEN Ceiling suspended inverter

- All new inverter heat pump systems
- Slim, compact & light weight design
- Low noise levels
- Wired or infra red control options



INDOOR UNIT		FDEN40V	FDEN50V	FDEN60V	FDEN71V	FDEN100V	FDEN125V	FDEN140V
OUTDOOR UNIT		SRC40HX-S	SRC50HX-S	SRC60HX-S	FDC71VN	FDC100VN	FDC125VN	FDC140VN
WIRED CONTROLLER		RC-E3	RC-E3	RC-E3	RC-E3	RC-E3	RC-E3	RC-E3
Cooling (Nominal)	kW	4.0	5.0	5.6	7.1	10.0	12.5	14.0
Cooling Range	kW	1.8 to 4.7	2.2 to 5.6	2.8 to 6.3	3.2 to 8.0	4.0 to 11.2	5.0 to 14.0	5.0 to 14.5
UK Cooling	kW	4.2	5.3	5.9	7.5	10.5	13.1	14.7
UK Sensible Cooling	kW	3.6	4.5	5.0	6.9	8.0	10.0	11.2
E.E.R.		3.85	3.14	2.87	3.53	3.51	3.05	2.81
Heating (Nominal)	kW	4.5	5.4	6.7	8.0	11.2	14.0	16.0
Heating Range	kW	2.0 to 5.4	2.5 to 6.3	3.1 to 7.1	3.6 to 9.0	4.0 to 12.5	4.0 to 16.0	4.0 to 16.5
C.O.P		3.98	3.42	3.16	3.62	3.77	3.84	3.41
INDOOR UNIT								
Exterior Dimensions (H x W x D)	mm	210 x 1070 x 690	210 x 1070 x 690	210 x 1320 x 690	210 x 1320 x 690	250 x 1620 x 690	250 x 1620 x 690	250 x 1620 x 690
Net Weight	kg	30	30	36	36	46	46	46
Air Volume (L - M - H)	m ³ /s	0.12 - 0.15 - 0.18	0.12 - 0.15 - 0.18	0.20 - 0.23 - 0.30	0.20 - 0.23 - 0.30	0.35 - 0.38 - 0.43	0.38 - 0.43 - 0.48	0.38 - 0.43 - 0.48
Sound Pressure Level*	dB(A)	37 / 38 / 39	37 / 38 / 39	38 / 39 / 41	38 / 39 / 41	39 / 41 / 44	43 / 44 / 46	43 / 44 / 46
OUTDOOR UNIT								
Exterior Dimensions (H x W x D)	mm	640 x 800 x 290	640 x 800 x 290	640 x 800 x 290	750 X 968 X 340	845 x 970 x 370	845 x 970 x 370	845 x 970 x 370
Net Weight	kg	43	43	43	60	74	74	74
Sound Pressure Level	dB(A)	47	47	48	48	49	50	51
ELECTRICAL DATA								
Power Source Rating MCB	A	16	16	16	16	20	25	32
Mains Power To	230V/1ph/50Hz	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Interconnecting Wires		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Running Current - Cooling	A	4.7	7.1	8.7	8.9	12.5	18.0	22.0
Power Input - Cooling	kW	1.04	1.59	1.95	2.01	2.85	4.10	4.98
Running Current - Heating	A	5.1	7.0	9.4	9.8	13.0	16.0	20.5
Power Input - Heating	kW	1.13	1.58	2.12	2.21	2.97	3.65	4.69
Start Current	A	5	5	5	5	5	5	5
INSTALLATION/REFRIGERANT								
Ref. Piping Size o.d ins (mm)	Liquid	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Ref. Max Piping Length	m	30	30	30	50	50	50	50
Vertical Height Difference (Max)								
- Outdoor Unit Above Indoor Unit	m	20	20	20	30	30	30	30
- Outdoor Unit Below Indoor Unit	m	15	15	15	15	15	15	15
Refrigerant Amount Precharged	kg	1.4	1.4	1.4	2.95	3.8	3.8	3.8
- For Pipe Length Up To	m	15	15	15	30	30	30	30
Additional Refrigerant	g/m	20	20	20	60	60	60	60
RETAIL PRICE								
Indoor Unit		£567	£641	£689	£783	£889	£1,230	£1,389
Outdoor Unit		£732	£870	£979	£1,379	£1,649	£1,770	£2,064
Wired Controller		£59	£59	£59	£59	£59	£59	£59
SYSTEM PRICE		£1,358	£1,570	£1,727	£2,221	£2,597	£3,059	£3,512

* Sound Pressure Level fan speeds: LOW/MED/HIGH in cooling mode measured at 1m below.