

FDU Ducted (high static pressure) inverter

- All new inverter heat pump split system
- Bottom or rear return air option (up to 140V model)
- Slim design



INDOOR UNIT		FDU71V	FDU100V	FDU125V	FDU140V	FDU200V	FDU250V
OUTDOOR UNIT		FDC71VN	FDC100VN	FDC125VN	FDC140VN	FDC200VS	FDC250VS
WIRED CONTROLLER		RC-E3	RC-E3	RC-E3	RC-E3	RC-E3	RC-E3
Cooling (Nominal)	kW	7.1	10.0	12.5	14.0	20.0	25.0
Cooling Range	kW	3.2 to 8.0	4.0 to 11.2	5.0 to 14.0	5.0 to 14.5	7.0 to 22.4	10.0 to 28.0
UK Cooling	kW	7.5	10.0	13.1	14.7	22.0	27.5
UK Sensible Cooling	kW	6.9	8.0	10.0	11.2	19.6	24.5
E.E.R.		3.41	3.47	3.09	2.83	3.03	2.52
Heating (Nominal)	kW	8.0	11.2	14.0	16.0	22.4	28.0
Heating Range	kW	3.6 to 9.0	4.0 to 12.5	4.0 to 16.0	4.0 to 16.5	7.6 to 25.0	9.5 to 31.5
C.O.P		3.62	3.76	3.69	3.61	3.68	3.29
INDOOR UNIT							
Exterior Dimensions (H x W x D)	mm	295 x 850 x 650	350 x 1370 x 650	350 x 1370 x 650	350 x 1370 x 650	360 x 1570 x 830	360 x 1570 x 830
External Static Pressure (Standard / Max)	Pa	51 / 130	51 / 130	51 / 130	51 / 130	100 / 200	100 / 200
Size Of Supply Air Spigot (H x W)	mm	244 x 848	297 x 1368	297 x 1368	297 x 1368	250 x 1450	250 x 1450
Net Weight	kg	40	63	63	63	92	92
Air Volume (L - H)	m ³ /s	0.33 - 0.42	0.45 - 0.57	0.56 - 0.70	0.56 - 0.70	1.00	1.33
Sound Pressure Level*	dB(A)	37 / 41	37 / 42	38 / 43	38 / 43	51	51
OUTDOOR UNIT							
Exterior Dimensions (H x W x D)	mm	750 x 968 x 340	845 x 970 x 370	845 x 970 x 370	845 x 970 x 370	1300 x 970 x 370	1505 x 970 x 370
Net Weight	kg	60	74	74	74	122	140
Sound Pressure Level	dB(A)	48	49	50	51	57	57
ELECTRICAL DATA							
Power Source Rating MCB	A	16	20	25	32	16A per phase/3ph	20A per phase/3ph
Mains Power To		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Interconnecting Wires		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Running Current - Cooling	A	9.2	12.7	17.8	21.7	10.8	15.7
Power Input - Cooling	kW	2.08	2.88	4.04	4.95	6.59	9.91
Running Current - Heating	A	10.2	13.1	16.6	19.5	10.2	14.4
Power Input - Heating	kW	2.21	2.99	3.79	4.43	6.08	8.50
Start Current	A	5	5	5	5	5	5
INSTALLATION/REFRIGERANT							
Ref. Piping Size o.d ins (mm)	Liquid	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.7)
	Gas	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	7/8" (22.22)	7/8" (22.22)
Ref. Max Piping Length	m	50	50	50	50	70	70
Vertical Height Difference (Max)							
- Outdoor Unit Above Indoor Unit	m	30	30	30	30	30	30
- Outdoor Unit Below Indoor Unit	m	15	15	15	15	15	15
Refrigerant Amount Precharged	kg	2.95	3.8	3.8	3.8	5.4	7.2
- For Pipe Length Up To	m	30	30	30	30	30	30
Additional Refrigerant	g/m	60	60	60	60	60	120
RETAIL PRICE							
Indoor Unit		£728	£886	£1,209	£1,250	£2,599	£2,756
Outdoor Unit		£1,379	£1,649	£1,770	£2,064	£3,193	£3,375
Wired Controller		£59	£59	£59	£59	£59	£59
SYSTEM PRICE		£2,166	£2,594	£3,038	£3,373	£5,851	£6,190

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