

# FDT 4-way cassette inverter

- All new inverter heat pump split system
- New slim line cassette design
- Low noise levels
- Wired or infra red control options



(option)



INDOOR UNIT		FDT40VD	FDT50VD	FDT60VD	FDT71VD	FDT100VD	FDT100VD	FDT125VD	
FASCIA PANEL		T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E	
OUTDOOR UNIT		SRC40ZIX-S	SRC50ZIX-S	SRC60ZIX-S	FDC71VN	FDC100VN	FDC100VS (3 phase)	FDC125VN	
WIRED CONTROLLER		RC-E4	RC-E4	RC-E4	RC-E4	RC-E4	RC-E4	RC-E4	
Cooling (Nominal)	kW	4.0	5.0	5.6	7.1	10.0	10.0	12.5	
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	4.0 to 11.2	5.0 to 14.0	
UK Cooling	kW	3.8	4.8	5.4	6.7	9.4	9.4	11.8	
UK Sensible Cooling	kW	3.3	3.8	4.6	5.4	7.1	7.1	8.5	
E.E.R (Energy Label)		4.30 (A)	3.88 (A)	3.57 (A)	3.74 (A)	3.62 (A)	3.62 (A)	3.09 (B)	
Heating (Nominal)	kW	4.5	5.4	6.7	8.0	11.2	11.2	14.0	
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 12.5	4.0 to 16.0	
C.O.P (Energy Label)		3.91 (A)	4.19 (A)	3.62 (B)	3.86 (A)	4.09 (A)	4.09 (A)	3.71 (A)	
Operating Range (Outdoor Air) Cooling	°C DB						-15 to 43		
Operating Range (Outdoor Air) Heating	°C WB						-15 to 24		

INDOOR UNIT								
Exterior Dimensions (H x W x D)	Unit mm	246 x 840 x 840	246 x 840 x 840	246 x 840 x 840	246 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
	Panel mm	35 x 950 x 950	35 x 950 x 950	35 x 950 x 950	35 x 950 x 950	35 x 950 x 950	35 x 950 x 950	35 x 950 x 950
Net Weight	Unit (Fascia Panel)	kg	22 (5.5)	22 (5.5)	24 (5.5)	24 (5.5)	27 (5.5)	27 (5.5)
Air Volume (L - M - H)	m <sup>3</sup> /s	0.23 - 0.27 - 0.30	0.23 - 0.27 - 0.30	0.23 - 0.27 - 0.30	0.28 - 0.32 - 0.35	0.33 - 0.40 - 0.45	0.33 - 0.40 - 0.45	0.38 - 0.45 - 0.50
Sound Pressure Level* (L / M / H)	dB(A)	30 / 31 / 33	30 / 31 / 33	30 / 31 / 33	31 / 33 / 35	35 / 37 / 40	35 / 37 / 40	37 / 40 / 42

OUTDOOR UNIT								
Exterior Dimensions (H x W x D)	mm	640 x 800(+71) x 290	640 x 800(+71) x 290	640 x 800(+71) x 290	750 x 880(+88) x 340	845 x 970 x 370	845 x 970 x 370	845 x 970 x 370
Net Weight	kg	43	43	43	60	81	83	81
Sound Pressure Level	dB(A)	47	47	48	51	49	49	51

ELECTRICAL DATA								
Power Source Rating MCB	A	16	20	20	20	32	20 per phase	32
Mains Power To	Outdoor	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	415V/3ph/50Hz	230V/1ph/50Hz
Interconnecting Wires		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Running Current - Cooling	A	4.1	5.7	7.0	8.3	12.1	4.2 per phase	17.6
Running Current - Heating	A	5.2	5.7	8.2	9.0	12.0	4.2 per phase	16.6
Power Input - Cooling	kW	0.93	1.29	1.57	1.90	2.76	2.76	4.05
Power Input - Heating	kW	1.15	1.29	1.85	2.07	2.74	2.74	3.77
Start Current	A	5	5	5	5	5	5 per phase	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		£509	£514	£588	£658	£784	£784	£945
Fascia Panel		£144	£144	£144	£144	£144	£144	£144
Outdoor Unit		£783	£948	£1,036	£1,450	£1,698	£1,698	£1,835
Wired Controller		£60	£60	£60	£60	£60	£60	£60
SYSTEM PRICE		£1,496	£1,666	£1,828	£2,312	£2,686	£2,686	£2,984

# FDC1 4-way compact cassette inverter



FDT125VD	FDT140VD	FDT140VD
T-PSA-3AW-E	T-PSA-3AW-E	T-PSA-3AW-E
FDC125VS (3 phase)	FDC140VN	FDC140VS (3 phase)
RC-E4	RC-E4	RC-E4
12.5	14.0	14.0
5.0 to 14.0	5.0 to 14.5	5.0 to 14.5
11.8	12.7	12.7
8.5	9.4	9.4
3.09 (B)	2.81 (C)	2.81 (C)
14.0	16.0	16.0
4.0 to 16.0	4.0 to 16.5	4.0 to 16.5
3.71 (A)	3.50 (B)	3.50 (B)
	-15 to 43	
	-15 to 24	

298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
35 x 950 x 950	35 x 950 x 950	35 x 950 x 950
27 (5.5)	27 (5.5)	27 (5.5)
0.38 - 0.45 - 0.50	0.38 - 0.45 - 0.50	0.38 - 0.45 - 0.50
37 / 40 / 42	38 / 41 / 43	38 / 41 / 43

845 x 970 x 370	845 x 970 x 370	845 x 970 x 370
83	81	83
51	51	51

20 per phase	32	20 per phase
415V/3ph/50Hz	230V/1ph/50Hz	415V/3ph/50Hz
3 + E	3 + E	3 + E
5.9 per phase	22.0	7.4 per phase
5.5 per phase	20.2	6.7 per phase
4.05	4.98	4.98
3.77	4.57	4.57
5 per phase	5	5 per phase

3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
50	50	50
30	30	30
15	15	15
3.8	3.8	3.8
30	30	30
60	60	60

£945	£1,102	£1,102
£144	£144	£144
£1,835	£2,114	£2,114
£60	£60	£60
£2,984	£3,420	£3,420

INDOOR UNIT		FDC140VD	FDC150VD	FDC160VD
FASCIA PANEL		TC-PSA-25W-E	TC-PSA-25W-E	TC-PSA-25W-E
OUTDOOR UNIT		SRC40ZIX-S	SRC50ZIX-S	SRC60ZIX-S
WIRED CONTROLLER		RC-E4	RC-E4	RC-E4
Cooling (Nominal)	kW	4.0	5.0	5.6
Cooling Range	kW	1.8 to 4.7	2.2 to 5.6	2.8 to 6.3
UK Cooling	kW	3.8	4.8	5.4
UK Sensible Cooling	kW	3.2	3.6	3.8
E.E.R (Energy Label)		3.85 (A)	3.21 (B)	2.81 (C)
Heating (Nominal)	kW	4.5	5.4	6.7
Heating Range	kW	2.0 to 5.4	2.5 to 6.3	3.1 to 6.7
C.O.P (Energy Label)		4.09 (A)	3.72 (A)	3.22 (C)
Operating Range (Outdoor Air) Cooling	°C DB		-15 to 43	
Operating Range (Outdoor Air) Heating	°C WB		-15 to 24	

INDOOR UNIT				
Exterior Dimensions (H x W x D)	Unit mm	248 x 570 x 570	248 x 570 x 570	248 x 570 x 570
	Panel mm	35 x 700 x 700	35 x 700 x 700	35 x 700 x 700
Net Weight	Unit (Fascia Panel)	kg	15 (3.5)	15 (3.5)
Air Volume (L - M - H)	m <sup>3</sup> /s	0.13 - 0.17 - 0.19	0.13 - 0.17 - 0.19	0.13 - 0.17 - 0.23
Sound Pressure Level* (L / M / H)	dB(A)	35 / 38 / 42	32 / 36 / 42	32 / 39 / 46

OUTDOOR UNIT				
Exterior Dimensions (H x W x D)	mm	640 x 800(+71) x 290	640 x 800(+71) x 290	640 x 800(+71) x 290
Net Weight	kg	43	43	43
Sound Pressure Level	dB(A)	47	47	48

ELECTRICAL DATA				
Power Source Rating MCB	A	16	20	20
Mains Power To	Outdoor	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz
Interconnecting Wires		3 + E	3 + E	3 + E
Running Current - Cooling	A	4.6	6.9	8.7
Running Current - Heating	A	4.9	6.4	9.1
Power Input - Cooling	kW	1.04	1.56	1.99
Power Input - Heating	kW	1.10	1.45	2.08
Start Current	A	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)
	Gas	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)
Ref. Max Piping Length	m	30	30	30
Vertical Height Difference (Max)				
- Outdoor Unit Above Indoor Unit	m	20	20	20
- Outdoor Unit Below Indoor Unit	m	15	15	15
Refrigerant Amount Precharged	kg	1.4	1.4	1.4
- For Pipe Length Up To	m	15	15	15
Additional Refrigerant	g/m	20	20	20

RETAIL PRICE				
Indoor Unit		£515	£530	£580
Fascia Panel		£138	£138	£138
Outdoor Unit		£783	£948	£1,036
Wired Controller		£60	£60	£60
SYSTEM PRICE		£1,496	£1,676	£1,814

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

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