



SAMSUNG 4-WAY CASSETTE DELUXE

Smart technology *for cleaner, cooler air*

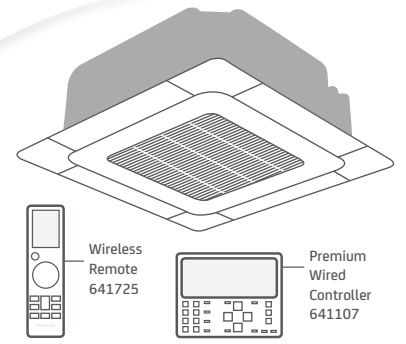
The Samsung 4-way Cassette Deluxe is ideal for retail, leisure, office and medical applications where aesthetics and efficiency are important. Incorporating innovative technology for cleaner air and reduced energy usage, these cassettes are also designed for easy installation and maintenance.

- Rounded corner design with a choice of two unique styles and colours
- 35% lighter unit for ease of installation
- Virus Doctor eliminates airborne contaminants, allergens and viruses such as flu, creating healthier air for occupants
- Full 360 degree surround air flow with individual blade control
- High ceiling mode automatically adjusts airflow to enable coverage to reach the floor from a ceiling height of 4.6m
- Detachable air flow blades for easy cleaning and maintenance
- Faster temperature set through quick cooling and heating
- Fresh air intake available
- Ability to control units remotely with any mobile device via wi-fi

SAMSUNG

4-way Cassette Deluxe

Smart Inverter Technology



NEW Option for doctors' surgeries, hospitals, childcare nurseries and dentists.

S-Plasma ion eradicates bacteria and eliminates 99% of airborne viruses. Certification available.
Costs just £50 extra per cassette unit.

Technical features

- Long pipe runs - 75m length
- Independent louvre control
- Slim profile - 204mm
- Auxiliary branch duct facility
- A to A++ Efficiency Rated
- Drain pump - 750mm lift
- Removable air blades
- Compact outdoor units

INDOOR MODEL CODE	AC052FB4DEH	AC071FB4DEH	AC090FB4DEH	AC100FB4DEH	NS1254DXEA	NS1404DXEA
OUTDOOR MODEL CODE	AC052FCADDEH	AC071FCADDEH	AC090FCADDEH	AC100FCADDEH	RC125DHXEB	RC140DHXEB
PANEL	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE
HRP System Code	644672	644677	644682	644687	644690	644695
EFFICIENCY						
Cooling Performance (Nominal)	kW 5.10	7.10	9.00	10.00	12.50	14.00
Cooling Range (min-max)	kW 1.0 - 6.0	2.2 - 8.0	3.0 - 10.0	3.2 - 12.0	3.5 - 14.0	3.5 - 15.5
SEER (Energy label)	6.40 (A++)	6.00 (A+)	5.60 (A+)	5.60 (A+)	EER 3.21 (A)	EER 3.21 (A)
Energy consumption (cooling season)	kWh/annum* 279	414	563	625	-	-
Heating Performance (Nominal)	kW 5.70	8.00	10.00	11.20	14.00	16.00
Heating Range (min-max)	kW 1.0 - 7.0	1.9 - 9.0	2.2 - 13.9	2.2 - 15.5	3.0 - 16.2	3.5 - 18.0
SCOP (Energy label)	4.00 (A+)	3.90 (A)	3.80 (A)	3.80 (A)	COP 3.61 (A)	COP 3.61 (A)
Energy consumption (heating season)	kWh/annum* 1050	1615	2432	2800	-	-
Pdesighn (average)	kW 3.00	4.50	6.60	7.60	-	-
INDOOR UNIT						
Dimensions (HxWxD)	mm 204 x 840 x 840	204 x 840 x 840	246 x 840 x 840	246 x 840 x 840	288 x 840 x 840	288 x 840 x 840
Panel	mm 45 x 950 x 950	45 x 950 x 950	45 x 950 x 950	45 x 950 x 950	45 x 950 x 950	45 x 950 x 950
Nett Weight	kg 15.5	16	16	16	18	20
Panel	kg 5.9	5.9	5.9	5.9	5.9	5.9
Drain Connection	mm OD 32, ID 25	OD 32, ID 25	OD 32, ID 25	OD 32, ID 25	OD 32, ID 25	OD 32, ID 25
Air Volume (H, M, L)	m³/min 17.0 / 15.5 / 13.0	19.5 / 16.5 / 14.5	24.5 / 21.0 / 17.5	28.0 / 25.5 / 22.0	30.0 / 24.0 / 19.0	32.0 / 28.0 / 22.0
Sound Pressure Level (H, M, L)	dB(A) 35 / 32 / 29	37 / 35 / 30	40 / 36 / 32	44 / 39 / 34	44 / 40 / 36	45 / 41.5 / 38
Sound Power	dB(A) 51	53	57	58	61	61
OUTDOOR UNIT						
Dimensions (HxWxD)	mm 548 x 790 x 285	798 x 880 x 310	998 x 940 x 330	998 x 940 x 330	1210 x 940 x 330	1210 x 940 x 330
Nett Weight	kg 38.5	55	72	72	88	88
Sound Pressure Level	dB(A) 48	49	51	52	51	52
Sound Power	dB(A) 64	67	68	69	68	69
ELECTRICAL DATA						
MCB (Recommended)	A 16	25	30	30	30	30
Mains Power to Outdoor Unit**	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz
Interconnecting Wiring	3x 1.5 + 2x 0.75	3x 1.5 + 2x 0.75	3x 1.5 + 2x 0.75	3x 1.5 + 2x 0.75	3x 1.5 + 2x 0.75	3x 1.5 + 2x 0.75
Running Current Cooling (Max)	A 7.2 (9.2)	10.0 (21.0)	12.7 (18.7)	15.1 (20.5)	18.0 (20.0)	20.0 (24.0)
Running Current Heating (Max)	A 7.0 (8.6)	10.0 (21.0)	12.5 (22.7)	14.6 (24.0)	18.0 (24.0)	20.0 (24.0)
Power Input Cooling (Max)	kW 1.54 (2.10)	2.21 (4.00)	2.99 (3.70)	3.32 (4.70)	3.89 (4.50)	4.36 (5.40)
Power Input Heating (Max)	kW 1.46 (1.90)	2.22 (4.00)	2.93 (5.20)	3.32 (5.20)	3.88 (4.88)	4.43 (6.16)
REFRIGERANT/PIPING						
Pipe Size ods ins (mm)	Liquid 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" (12.70)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Refrigerant (GWP)	R410A (1975)	R410A (1975)	R410A (1975)	R410A (1975)	R410A (1975)	R410A (1975)
Amount Precharged (distance)	kg (m) 1.40 (5)	1.80 (5)	3.00 (30)	3.00 (30)	2.90 (30)	3.40 (30)
Additional Charge	g/m 10	25	50	50	50	50
Max Piping Length	m 30	50	50	50	75	75
Height Between Indoor/Outdoor	m 20	30	30	30	30	30
Ambient Operation Cooling	°C -15 to 46	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 50
Ambient Operation Heating	°C -15 to 24	-20 to 24	-20 to 24	-20 to 24	-20 to 24	-20 to 24

*The annual energy consumption figures are based on standard test data. Actual results may vary depending upon how the unit is used and where it is located. **3 Phase INVERTER systems also available 100, 125, 140
Nominal Cooling Capacities are based on: 27°C DB, 19°C WB Indoor, 35°C Outdoor Nominal Heating Capacities are based on: 20°C DB, 15°C WB Indoor, 7°C Outdoor The above information is provided for guidance only, and does not form part of a Contract.