

Inverter Mini 4-Way Cassette (R410A)

The ideal solution for quiet climate control of commercial or domestic areas

- Quiet energy-efficient heating/cooling for home or office
- Samsung Inverter technology saves up to 40% on energy costs
- 12 000, 18 000 & 20 000 Btu/hr models
- Environmentally-friendly R410A gas
- Max. piping length to outdoor unit: 50m (20 000 Btu model)
- Supported nationwide by Samair

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Inverter Mini 4-Way Cassette (R410A)

The ideal solution for quiet climate control of commercial or domestic areas with Samsung Inverter energy-efficiency and economy. R410A gas ensures environmental friendliness.

SPECIFICATIONS

MODEL INDOOR UNIT			ACN035	ACN052	ACN060
MODEL OUTDOOR UNIT			RC035DHXEA	RC052DHXEA	RC060DHXEA
Power supply		V-Ph-Hz	220-240 -1-50	220-240 -1-50	220-240 -1-50
Cooling	Capacity (Min/Std/Max)	kW	0.99/3.50/4.20	1.30/5.00/5.90	1.80/5.80/6.50
	Capacity (Min/Std/Max)	Btu/h	3 400/11 900/14 300	4 400/17 100/20 100	6 100/19 800/22 200
	Input (Min/Std/Max)	kW	0.24/1.09/1.45	0,31/1.56/2.10	0.38/1.81/2.60
	Operating current (Min/Std/Max)	A	1.60/5.60/6.80	2.60/7.20/9.50	1.90/8.30/11.50
	EER	Btu/Wh	3.21	3.21	3.21
Heating	Capacity (Min/Std/Max)	kW	0.98/4.00/5.00	1.30/5.50/7.50	1.60/7.00/9.00
	Capacity (Min/Std/Max)	Btu/h	3 300/13 600/17 100	4 400/18 800/25 600	5 500/23 900/30 700
	Input (Min/Std/Max)	kW	0.18/1.11/1.40	0.35/1.53/2.40	0.35/2.18/3.60
	Operating current (Min/Std/Max)	A	1.20/5.70/6.70	2.90/7.00/11.00	1.70/10.00/17.30
	Operating current (Min/Std/Max)	A	1.20/5.70/6.70	2.90/7.00/11.00	1.70/10.00/17.30
	COP	Btu/Wh	3.61	3.61	3.21
Indoor air flow H/M/L		CMM	7.4/9.0/10.7	9.0/10.7/12.4	9.5/11.1/12.8
Indoor noise level (High/Mid/Low)		dB(A)	36/33/29	39/37/34	41/38/34
Indoor unit	Dimension(WxHxD)	mm	575x250x575	575x250x575	575x250x575
	Packing (WxHxD)	mm	623x298x653	623x298x653	623x298x653
	Net/Gross weight	Kg	11.0/13.0	11.7/13.7	12/14
Outdoor noise level (Cooling/Heating)		dB(A)	47/48	48/49	49/50
Outdoor unit	Dimension(WxHxD)	mm	790x548x285	790x548x285	880x798x310
	Packing (WxHxD)	mm	926x655x382	926x655x382	1023x891x413
	Net/Gross weight	Kg	33/37	38.5/42.5	55/59
Refrigerant type			R410A	R410A	R410A
Refrigerant piping	Liquid side/ Gas side	mm	6.35/9.52	6.35/12.70	6.35/15.88
	Max. refrigerant pipe length	m	20	30	50
	Max. difference in level	m	15	20	30

1) Nominal capacities are based on: (Equivalent refrigerant piping: 5m, Level difference:0m)

– Cooling: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 24°C WB

– Heating: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB

2) Sound pressure was acquired in an anechoic room; actual noise levels may differ according to installation conditions

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y prices constantly on the increase, the modern trend is towards
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tioning of larger upmarket domestic areas or commercial applications.



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SPECIFICATI

Model	NS0714DXEA	NS0904DXEA	NS1004DXEA	NS1004DXEA	NS1254DXEA	NS1404DXEA	NS1404DXEA
Unit	RC071DXEA	RC090DXEA	RC100DXEA	RC100DXGA	RC125DXEB	RC140DXEB	RC140DXGA
	Cooling/heating	Cooling/heating	Cooling/heating	Cooling/heating	Cooling/heating	Cooling/heating	Cooling/heating
Power (kW)	2.2/7.1/8.0	3.0/9.0/10.0	3.2/10.0/12.0	4.0/10.0/12.0	3.5/12.5/14.0	3.5/14.0/15.5	3.5/14.0/15.5
Power (Btu/h)	7500/24200/27300	10200/30700/34100	10900/34100/40900	13600/34100/40900	11900/42700/47800	11900/47800/52900	11900/47800/52900
Power (kW)	1.9/8.0/9.0	2.2/10.0/13.9	2.2/11.2/15.5	3.5/11.2/15.5	3.0/14.0/16.2	3.5/16.0/18.0	3.5/16.0/18.0
Power (Btu/h)	6500/27300/30700	7500/34100/47400	7500/38200/52900	11900/38200/52900	10200/47800/55300	11900/54600/61400	11900/54600/61400
Cooling	A	A	A	A	A	A	A
Heating	A	A	A	A	A	A	A
Power (kW)	0.35/2.21/4.00	0.6/2.8/3.7	0.6/3.12/4.7	0.9/3.12/4.7	0.8/3.89/4.5	0.8/4.36/5.4	0.8/4.36/5.4
Power (kW)	0.35/2.22/4.00	0.46/2.77/5.2	0.5/3.1/5.2	0.7/3.1/5.5	0.81/3.88/4.88	0.7/4.43/6.16	0.7/4.43/6.16
Power (A)	2.0/10.5/21.0	3/12.5/18.7	3/13.8/20.5	1.6/5/7.8	4/18/20	3.7/20/24	2.1/7.5/12
Power (A)	2.0/10.5/21.0	2.5/12.2/22.7	2.6/13.8/24	1.3/5/16.1	3.5/18/24	3.5/20/24	2.1/7.4/16.1
	3.21	3.21	3.21	3.21	3.21	3.21	3.21

Model Indoor Unit	Model Outdoor Unit	Function	Cooling Capacity (Min/Std/Max)	Heating Capacity (Min/Std/Max)	Energy Grade	Power Input: Cooling	Power Input: Heating	Current Input: Cooling	Current Input: Heating	EER (Cooling):

COP (Heating):		3.62	3.61	3.61	3.61	3.61	3.61	3.61
Piping (Liquid)	Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1
Piping (Gas)	Ø, mm	15.88 x 1	15.88 x 1	15.88 x 1	15.88 x 1	15.88 x 1	15.88 x 1	15.88 x 1
Piping Max. Length	m	50	50.0	50.0	50.0	75	75	75
Max Height Difference	m	30	30.0	30.0	30.0	30	30	30
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrig. Factory Charging	kg	1.8	3.0	3.0	3.1	2.9	3.4	3.4
INDOOR UNIT								
Power Supply	Ph/V/Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Air Flow	CMM	19.5 (C) 21.0 (H)	24.5	27.5	27.5	30.0 (H) 19.0 (L)	30	30.0
Noise Level (High/Low)	dB/(A)	36/28	40/32	44/34	44/34	44/36	45/38	48/38
Net Weight	kg	15	17	17	17	19	21	21
Gross Weight	kg	20	22	22	22	24	26	26
Net Dimensions WxHxD	mm	840x204x840	840x246x840	840x246x840	840x246x840	840x288x840	840x288x840	840x288x840
Gross Dimensions WxHxD	mm	898x274x898	898x316x898	898x316x898	898x316x898	898x357x898	898x357x898	898x357x898
Panel Size Net Dimension WxHxD	mm	90x45x950	90x45x950	90x45x950	90x45x950	90x45x950	90x45x950	90x45x950
Shipping Dimension	mm	1005x100x1005	1005x100x1005	1005x100x1005	1005x100x1005	1005x100x1005	1005x100x1005	1005x100x1005
Drain Pump		Built in	Built in	Built in	Built in	Built in	Built in	Built in
Max lift Height/Displacement	mm/lit/h	750/24	750/24	750/24	750/24	750/24	750/24	750/24
OUTDOOR UNIT								
Power Supply	Ph/V/Hz	1,220-240,50	1,220-240,50	1,220-240,50	3,380-415,50	1,220-240,50	1,220-240,50	3,380-415,50
Noise Level	dB/(A)	49	51	52	52	51/52	52	52
Net Weight	kg	55	72	72	81	88	88	91
Gross Weight	kg	59	77	77	86	98	98	101
Net Dimensions WxHxD	mm	880x798x310	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330	940x1210x330
Gross Dimensions WxHxD	mm	1023x889x416	995x1096x426	995x1096x426	995x1096x426	995x1338x426	995x1338x426	995x1338x426

- Nominal cooling capacities are based on: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB, 24° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m
- Nominal heating capacities are based on: Indoor temp: 20° CDB, 15° CWB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m.
- Sound pressure acquired in a dead room; actual noise level may differ depending on installation conditions.

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