

# Samsung Inverter High Static Duct Airconditioner

Samsung quality and energy-efficient Inverter technology ensure economical, reliable airconditioning of large areas



- Top-quality energy-efficient Inverter Ducted heating / cooling
- High COP's
- 200m piping length to outdoor unit / 110m elevation
- Environmentally-friendly R410A gas

***Distributed & supported nationwide by Fourways Airconditioning:***

JHB & Central: (011) 704-6320  
Kwa-Zulu Natal: (031) 579-1895

Pretoria: (012) 643-0445  
Port Elizabeth: (041) 484-6413

W & N Cape: (021) 556-8292  
George: 082 380 0708

Bloemfontein: 083 381 0074



49m



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AIRCONDITIONING

SAMSUNG

# Inverter High Static Duct Specifications

MODEL INDOOR UNIT				AM220FNHDEH	AM280FNHDEH
Power Supply	Ø, #, V, Hz			1, 2, 220 ~ 240, 50	1, 2, 220 ~ 240, 50
Mode *1)			-	HP	HP
Performance	Capacity (Nominal)	Cooling *2)	kW	22.4	28.0
			Btu/h	76,400	95,500
		Heating *3)	kW	25.0	31.5
			Btu/h	85,300	107,500
Power	Power Input (Nominal)	Cooling *2)	W	530	790
		Heating *3)	W	530	790
	Current Input (Nominal)	Cooling *2)	A	3.8	5.9
		Heating *3)	A	3.8	5.9
Fan	Motor	Output	W	400	400
	Air Flow Rate	H/M/L (UL)	l/s	966.67/866.67/783.33	1.200.00/1.083.33/966.67
	External Pressure	Min / Std / Max	Pa	49.03/147.10/245.17	49.03/147.10/274.59
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8	3/8
	Gas Pipe		Ø, mm	19.05	22.23
			Ø, inch	3/4	7/8
Dimensions	Net Weight		kg	89.00	89.00
	Shipping Weight		kg	99.00	99.00
	Net Dimensions (WxHxD)		mm	1240 x 470 x 1040	1240 x 470 x 1040
OUTDOOR UNIT					
Power Supply			Ø, #, V, Hz	3,4, 380 ~ 415, 50	3,4, 380 ~ 415, 50
Performance	Capacity (Nominal)	Cooling	kW	22.4	28.0
			Btu/h	76,400	95,500
		Heating	kW	25.20	31.50
			Btu/h	86,000	107,500
Power	Power Input (Nominal)	Cooling 1)	kW	5.00	6.80
		Heating 2)	kW	5.10	6.70
	Current Input (Nominal)	Cooling 1)	A	8.00	10.90
		Heating 2)	A	8.20	10.70
MFA			A	30	40
COP	Nominal Cooling 1)		-	4.48	4.12
	Nominal Heating 2)		-	4.94	4.70
	ESEER		-	7.85	7.25
Fan	External Static Pressure	Max.	Pa	78.45	78.45
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8	3/8
	Gas Pipe		Ø, mm	19.05	22.22
			Ø, inch	3/4	7/8
External Dimensions	Net Weight		kg	190.00	190.00
	Shipping Weight		kg	206.00	206.00
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-20.0 ~ 24.0	-5.0 ~ 24.0

\* Specifications may be subject to change without prior notice for products improvement.

\*1) Mode

-HP: Heat Pump, HR: Heat Recovery

\*2) Nominal cooling capacities are based on:

- Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

\*3) Nominal heating capacities are based on:

- Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

\*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



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