

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
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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.