

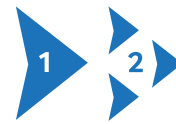
# Inverter Light



The advantage of an inverter, at an affordable price.



Triangle Design



2-Step Cooling



Triple Protector Plus

## Designed for more powerful cooling

The new triangle design with a bigger fan and higher outlet angle enables a 14 meter airflow. A 60% wider air intake means that more air is discharged. 30% larger blades effectively distribute air.

## 2 Step Cooling for better comfort

When you set the temperature, the Samsung Air Conditioner begins cooling the air fast using its powerful Fast Cool mode, to achieve desired temperature faster. It then automatically changes the mode to Comfort Cool to maintain the desired temperature. So manual changing of temperature setting is not needed.

## Stable, long lasting performance

The Triple Protector Plus technology prevents the compressor and controller from being overloaded by power surges and fluctuating electrical currents, without a separate voltage stabilizer. It also has an anti-corrosive coating to stop the condenser and cabinet from rusting. And its larger condenser and optimized refrigerant flow mean it can endure extremely hot temperatures (up to 58°C).

## Easy Installation

Smart installation is a self-diagnosis feature that ensures your Samsung Air Conditioner is installed properly.

## Contact your local distributor for more information.

**Gauteng & Central Region:** Fourways Airconditioning (Jhb), (011) 704-6320. **Pretoria:** Fourways Airconditioning (Pta), (012) 643-0445. **W. & N. Cape:** Samair (Cape Town), (021) 556-8292. **E. Cape:** Samair (Port Elizabeth), (041) 484-6413. **Kwa-Zulu Natal:** Fourways Airconditioning (KZN), (031) 579-1895.



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# Inverter Light Specifications

	Model Code		AR09FSFNAWKNA	AR12FSFNAWKNA	AR18FSFNAWKNA
	AC Type		INV	INV	INV
	Refrigerant Type		R410A	R410A	R410A
		Performance			
Capacity	Cooling		8530	11942	17060
		Btu/hr.	3241~10918	2559~12966	4265~20472
		(min-max)	2150	3009	4299
		Kcal/hr.	817~2752	645~3267	1075~5159
		(min-max)	2.5	3.5	5
	Heating	kW	0.95~3.2	0.75~3.8	1.25~6
		(min-max)	11260	13648	20475
		Btu/hr.	3241~13989	3241~16378	3378~22178
		(min-max)	2837	3439	5160
		Kcal/hr.	817~3525	817~4127	851~5589
Energy Efficiency	Cooling	(min-max)	3.3	4	6
		kW	0.95~4.1	0.95~4.8	0.99~6.5
	Heating	(min-max)	12.01	10.96	11.01
		EER (Btu/hrW)	3.52	3.21	3.23
Moisture Removal	Air Circulation (Max)	EER (W/W)	3.63	3.6	3.3
		COP (W/W)	1	1.5	2
		ℓ/hr.	9.5	11	13.5
		m3/min			
		Electrical Data			
Power Source		V/Hz/φ	220~240V / 50Hz	220~240V / 50Hz	220~240V / 50Hz
Power Consumption	Cooling	W	710	1090	1550
	Heating	W	910	1110	1820
Operating Current	Cooling	A	3.8	5	7.2
	Heating	A	4.4	6	9
		Dimension and Loading Quantity			
Net Dimension (W*H*D)	Indoor	mm	826*260*275	826*260*275	896*260*275
	Outdoor	mm	720*548*265	720*548*265	790*545*285
Net Weight	Indoor	kg	12.1	12.1	12.4
	Outdoor	kg	35.5	35.5	37.7
Shipping Weight	Indoor	kg	14.7	14.7	14.9
	Outdoor	kg	38.6	38.6	40.8
		Technical Information			
SVC Valve	Liquid	OD	6.35	6.35	6.35
	Gas	OD	9.52	9.52	12.7
Piping Length	Max	m	15	15	30
Piping Height	Max	m	7	7	15
		Features			
Air Purification	Virus Doctor		•	•	•
	Metalic Filter		•	•	•
	Anti Bacterial Coating		•	•	•
	Anti Virus Coating		•	•	•
	Allergy Care		4	•	•
Air Flow	Auto Clean		•	•	•
	Wide Big Blade		•	•	•
	Fan speed(Steps)		4	4	4
	Air Direction (Up/Down)		•	•	•
Operating Mode	Air Direction (Left/Right)		•	•	•
	Auto Fan Speed		•	•	•
	Comfort Auto Cooling		•	•	•
	Ultra Turbo Cooling		•	•	•
	Soft Cooling		•	•	•
	d'light Cool		•	•	•
	good'sleep		•	•	•
	Single user mode		•	•	•
Convenience	Smart Saver		•	•	•
	Dehumidification		•	•	•
	Fan Mode		•	•	•
	Quiet		•	•	•
	Wi-Fi Control				
	Filter Cleaning Indicator				
	Smart Installation				
	Smart Service				
	Ez filter Out		•	•	•
	Ez Installation		•	•	•
Low Ambient	Temp. Display				
	Energy consumption Display				
	Remote Controller		•	•	•
	Display On/Off				
	Beep On/Off		•	•	•
	Real-time Timer				
	24-Hour Timer		•	•	•
	Auto Restart		•	•	•
	Auto Changeover		•	•	•
	Triple Protector upgrade		•	•	•
	Compressor Type		UTR Twin BLDC	UTR Twin BLDC	UTR Twin BLDC
	Cooling	°C		16~46	16~46
°C			-10~24	-10~24	-15~24



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