

Specification Sheet of Armanch's HVAC appliance

HVAC model		Variable speed forced air armanch HVAC appliance	
HVAC set			
Application		Any type of house up to 2000 sq. ft. (186 m ²)	
Power supply (V / ph. / Hz)		208 - 230 V / 1 HP / 60 Hz	
Cooling	Cooling capacity	22,000 BTU (6.5 kW)	
	Cooling range	8,000 - 26,000 BTU (2.3 kW - 7.6 kW)	
Heating	Heating capacity	27,000 BTU (8 kW)	
	Heating range	5,600 - 48,000 BTU (1.6 kW - 14 kW)	
Hydronic heater	Heating capacity	27,000 BTU (8 kW)	
	Heating range	5,600 - 31,000 BTU (1.6 kW - 9.1 kW)	
COP		Up to 8	
Working ambient temperature range		-49 °F to 113 °F (-45 °C to 45 °C)	
Pure / Total weight		180l / 580 lb. (82 / 263 kg)	
Operating mode(s)		H; H + DHW + HHS; DHW + HHS; C + DHW + HHS; and C*	
Control		<ul style="list-style-type: none"> ▪ Efficient smart control system that knows the indoor and outdoor Temp., hourly electric price, and user request 	
Sound level		35 DB	
Indoor unit			
Rated Voltage; Rated current		208 - 230 V / 60 Hz / 1ph.; fuse: 60 A	
Air flow rate		500 cfm - 1,000 cfm (852 m ³ /hr. – 1,698 m ³ /hr.)	
Dimension (Width x breadth x Height)		19.7" x 19.7" x 31.5" (50 cm x 50 cm x 80 cm)	
Coil dimension		5.9" x 19.7" x 19.7" (15 cm x 50 cm x 50 cm)	
Outdoor unit			
Rated Voltage; Rated Current		208 - 230 V / 60 Hz / 1 HP. ; 9.5 to 15 A; fuse: 20 A	
Fan		Variable speed motor	
Dimension (Width x breadth x Height)		31.5" x 31.5" x 23.6" (80 cm x 80 cm x 60 cm) without storage tank	
Refrigerant			
Refrigerant type		R410a	
Liquid side diameter		3/8" (9.5 mm)	
Gas side diameter		5/8" (16 mm)	
Maximum / Minimum length		164 ft. (50 m) / 15 ft. (5 m)	
Maximum level difference		82 ft. (25 m)	
Compressor		Variable speed (inverter) rotary type with crankcase and pan heater	
Storage tank			
Capacity		50 Gallons (189 liters)	
Hot water temperature		122 °F (50 °C)	
Dimension (Diameter x Height)		23.6" x 47.3" (60 cm x 120 cm)	

* H – Heating; DHW – Domestic Hot Water; HHS – Hydronic Heating System; C – Cooling

Environmental & user friendly: producing pure water without greenhouse gases and fossil fuel emissions. The noisy main parts were installed in the outside units.

Smart & Safe: the system can be connected to the internet and get a specific license number in the database. This makes performance, monitoring, updating, and mounting smart.

Efficiency: smart control make the appliance efficient and intelligent.

Economical: the total costs of Armanch's HVAC appliance are less than the near appliances. No or less maintenance and service costs with 5 years parts & labor warranty.

Compact in size: the indoor unit is small, light and can be installed in any direction with a single drain pipe.

Durable: lifespan of about 30 years for indoor and about 15 years for outdoor units.

Installation: easy, fast, cheap, replaceable, and adjustable with existing systems.