

# TECHNICAL SPECIFICATIONS, GENERAL

## KUBEN 230 AW



<b>Air quantities:</b>	
Normal speed	50 l/s (180 m³/h) 60 Pa
Forced speed	64 l/s (230 m³/h) 60 Pa
<b>Supplementary heat:</b>	
Preheater	1 kW
Heater	Water heated by heat pump
<b>Electrical data:</b>	
Connection	1 phase, 230V, 16 A
Supply air fan	EC 170 W, 230 V (50/60 Hz)
Exhaust air fan	EC 83 W, 230 V (50/60 Hz)
<b>Heat recovery:</b>	
	Counter-current heat exchanger Recovery >80%
<b>Sound level:</b>	
	30 dB(A) max 50l/s (60 Pa) 35 dB(A) max 64 l/s (60 Pa)
<b>Duct connection:</b>	
	Circular duct Ø 160 on supply air. Secondary, extract, incoming and exhaust air Ø 125
<b>Colour:</b>	
	White powder coating.
<b>Dimensions:</b>	
Ventilation unit	Height 550 mm
	Width 600 mm
	Depth 616 mm incl door
Vent + DHW 180 lit	Height 2200 mm
Vent + DHW 230 lit	Height 2400 mm
<b>Weight, kg</b>	
	Vent unit: 52 Total 183/191

- \* A ventilation unit for **ALL** ventilation, comfort heating/cooling and domestic hot water in the house. Outdoor air to water heat pump and a DHW-tank.
- \* Highly effective heat recovery. > 80%.
- \* Very compact unit that can be placed without a technical room due to the low sound level.
- \* Very simple and fast installation.
- \* Turnkey system with built-in regulation. Simply connect electrical power, water and ventilation ducts.
- \* Touch display with color graphics.



- \* Control and operation over the Internet (cloud based)



## HEATING

Preheater 1 kW and warm water afterheating coil. Temperature regulation with pulse control in preheater. Overheating protection on the electrical battery. Room air temperature regulation. Can be changed to a different control type. Water after-heating with power from the air-water heat pump. Temperature regulation with electronic heat regulator. Built-in regulating anti-freezing system. PI regulation.

## STANDARD EQUIPMENT

Direct operated, energy saving supply- and exhaust air fans of EC type. Heat exchanger of counter current type. Temperature efficiency >80%. Completely tight without transmission between supply air and exhaust air. Filter F7. Cassette filter with very good filter economy. Heating from the air-water heat pump. Built-in electrical and control unit. Prepared for the "cloud". Automatic defrosting function. Individual stepless speed regulation with forcing. Supply air temperature regulation or room temperature regulation. Automatic bypass function. Multiple time channels with automatic summertime function. Built-in stepless air flow regulation. Loose touch display for wall mounting. Color graphics. Forcing option in the display for airing out. Programmable alarm list.

## OPTIONS

Online Controller which can control the operation mode and temperatures, monitoring the status of the system and set schedules for operation.



Duct kit. Complete kit with insulated ducts, bendable pipes and details for a complete installation. Exhaust air silencers and supply air silencers.