

WPL 33 HTS

AIR | WATER HEAT PUMPS

PRODUCT-NO.: 230140

Air | water heat pump inverter with enhanced vapour injection. Available as an outdoor or indoor installation version with corresponding accessories. Regulating the fan and the two inverter compressors allows the sound power level to be kept low. The robust metal casing is made from galvanised, powder-coated and stove-enamelled sheet steel. The refrigerant circuit is hermetically sealed, tested for leaks at the factory and filled with safety refrigerant R407C. A refrigerant circuit with two inverter compressors with demand-dependent and COP-optimised control ensures high efficiency. Enhanced vapour injection cools the scroll compressors at low outside temperatures, thereby achieving a higher heating output. The wide fin spacing of the evaporator provides low air resistance, resulting in reduced noise and improved defrosting. The 4/2-way valve enables defrosting by reversing the circuit. Equipped with electronic biflow expansion valve with separate control unit and switching via the internal heat pump control unit (IWS), for optimised overheating protection resulting in an improved COP. Time-optimised and energy efficient defrosting by circuit reversal. Heating of condensate pan via refrigerant circuit ensures efficient defrosting. With integral heat and electricity metering via refrigerant circuit data. All safety equipment is included. Heat pump manager (accessories) required for providing control.



The main features

One refrigerant circuit with two inverter compressors

Heating flow temperature up to 75 °C

Ideal for use in older buildings

Intermediate vapour injection

Electronic expansion valve

Mono mode heating operation possible

Patented refrigerant circuit

DHW temperature with SBB > 60 °C possible



Type	WPL 33 HT	WPL 33 HTS
Part no.	229938	230140
Output at A-7/W35 (EN 14511)	12,38 kW	12,38 kW
Heating output at A2/W35 partial load (EN 14511)	7,45 kW	7,45 kW
Coefficient of performance at A-7/W35 (EN 14511)	2,47	2,47
COP at A2/W35 partial load (EN 14511)	3,47	3,47

Technical data

Energy efficiency class, heat pump W35	A+	A+
Energy efficiency class, W55 heat pump	A+	A+
Energy efficiency class, composite system (heat pump + controller) W35	A++	A++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++
Output at A-7/W55 (EN 14511)	12,90 kW	12,9 kW
Coefficient of performance at A-7/W55 (EN 14511)	2,03	2,03
Output at A2/W55 (EN 14511)	7,38 kW	7,38 kW
Coefficient of performance at A2/W55 (EN 14511)	2,30	2,30
Sound power level (EN 12102)	58 dB(A)	58 dB(A)
Rated compressor voltage	400 V	230 V
Rated voltage, emergency/booster heater	400 V	230 V
Height	1116 mm	1116 mm
Width	784 mm	784 mm
Depth	1332 mm	1332 mm
Weight	240 kg	240 kg

Contact information

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **info@stiebel-eltron.com**

Installation information

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.