

Air-to-water heat pump

- HPR 400 Deluxe
- HPR 500 Deluxe

STANDARD EQUIPMENT:

- HYDROBOX HB 1 or HYDROBOX HB 2 - indoor unit featuring: electrical switchgear with switches and electrical protection, controller for controlling two heating circuits with mixers, PWM-controlled circulation pump, 6 kW electric flow-through heater (included with HB 2 model), magnetic filter, hot water / central heating switching valve, antifreeze system, energy meter. The connection of the hydrobox to the outdoor unit does not require the purchase of costly hydraulic accessories to prevent freezing and provides reduced installation time,
- Internet module – management of the device through a computer or smartphone; the maintenance technician has direct insight into the operation of the device.

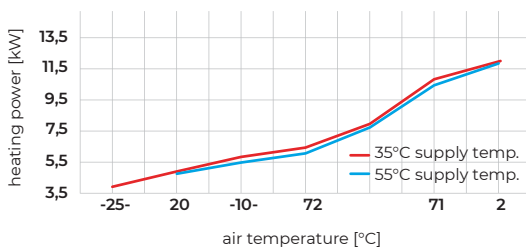


ORIGINAL PROJECT
of the R&D Department

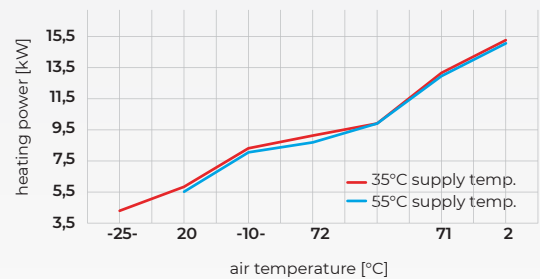
CONTROL UNIT
with 2-in-1 colour touch panel
(boiler panel = room panel)



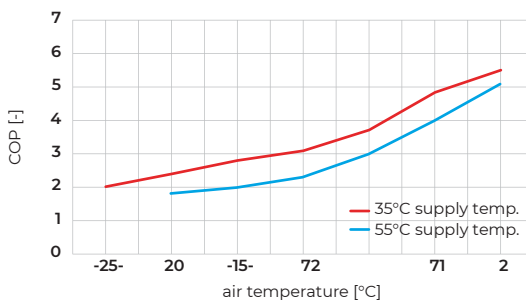
HPR 400 Deluxe POWER / TEMPERATURE



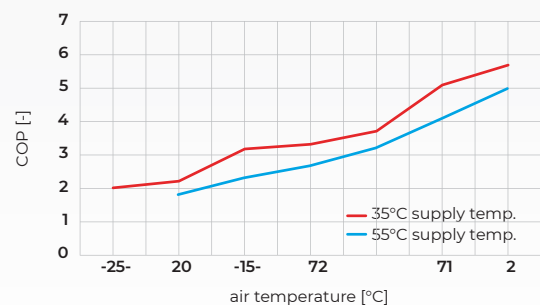
HPR 500 Deluxe POWER / TEMPERATURE



HPR 400 Deluxe COP / TEMPERATURE



HPR 500 Deluxe COP / TEMPERATURE



EXTREMELY QUIET

Silence for you,
silence for your
neighbor



5m

distance
from
heat pump

only
32dB

noise
in operation
mode



BENEFITS



DESIGNED FOR COLD CLIMATES

Easy-to-install heat pump designed for cold climates, including all climate zones. Most pumps available on the market are designed for temperate climates.



DOWN TO -25°C

The unit is fitted with components suitable for cold climates:

- enlarged evaporator
- heated drip tray
- condensate drain.



FOR NEW PROPERTIES AND RETROFITS

with low-temperature or medium-temperature system.



EXCEPTIONALLY QUIET

unit – the sound power of the pump measured at a distance of 5 m is 32.2 dB at full power. Operation is very quiet regardless of weather conditions.



INNOVATIVE SOUNDPROOFING ELEMENTS

used in the automotive industry reduce the acoustic power of the unit.



INOX STAINLESS STEEL CONSTRUCTION

is modern design and corrosion and weather resistance.



TOP QUALITY COMPONENTS

from European brands.



ANTI-FREEZE MODE

active 48 hours in the event of a power cut.



POSSIBILITY OF USING A HYBRID HEAT PUMP WITH OTHER HEATING DEVICES

including KOSTRZEWA-branded equipment such as the Mini Matic pellet boiler or the Kostrzewa ELE electric boiler.

ENVIRONMENTALLY FRIENDLY REFRIGERANT

R290 PROPANE

The HPR Deluxe heat pump uses the natural refrigerant R290 (propane). It is a colourless, odourless organic compound with minimal environmental impact and guaranteeing safe use due to its high flammability limit.

The R290 refrigerant does not cause corrosion, which has a positive effect on the life of the unit. It has a zero ODP (ozone-neutral) and an extremely low GWP, which means minimal

global warming impact compared to other agents. R290 is a modern and environmentally neutral refrigerant that guarantees the good performance of equipment.

R290 is a state-of-the-art refrigerant that guarantees good performance, operational safety and no corrosion of the unit. Propane heat pumps do not require registration and gas emission fees.