LEADER IN R290 | EUROKLIMAT

EUROKLIMAT
Let's go Natural

INDUSTRIAL HEAT PUMPS

KRATOS Range | Model 110-1-1

R600a
Natural Refrigerant

GWP ↓
Low GWP

Process Heating

Designed for heating pressurized water above 100°C

Inverter driven compressors

Compact, complete with high head user and source pumps

Natural Refrigerant

Latest generation compressor, for HC

Robust industrial metal frame for process cooling

Sandwich panels for thermal and acoustic insulation

Complete with the safety devices required by the European regulations (EN378-2)

The demand for thermal energy at high temperatures is quite common in **industrial processes.** Often in these same processes, hot water whose energy remains unused is also available. **Heat pumps are the ideal solution** that allows you to transform waste heat into an opportunity. Today technology offers new generation compressors that allow reaching temperatures **higher than 100°C** with good COP values. In addition to sustainable energy, the use of natural refrigerants in our KRATOS allows you to reach high environmental sustainability.

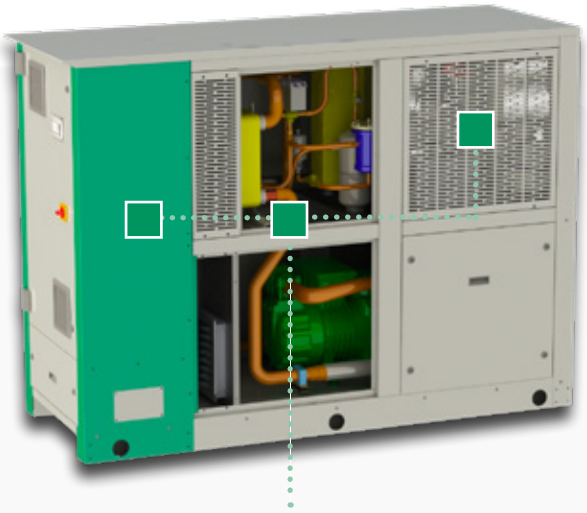
999920806

The Range | Model 110-1-1

KRATOS		30-1-1	55-1-1	85-1-1	110-1-1	170-2-2	215-2-2
Dimensions	[mm]	1600x800x1600	1800x800x1600	2200x800x1600	2200x800x1600	3200x1200x1600	3600x1200x1600
Unit configuration							
Compr./Circuits nr.	-	1	1	1	1	2	2
Nominal operating point							
Heating capacity (1)	[kW]	**30,2**	**55,3**	**86,2**	**109,0**	**168**	**213**
Total power input (1)	[kW]	13,7	25,2	39,0	48,1	76,9	94,5
COP (1)	-	2,20	2,19	2,21	2,27	2,18	2,25
User water flow (1)	[m^3/h]	2,68	4,91	7,66	9,69	14,9	19,0
Source water flow (1)	[m^3/h]	1,43	2,62	4,10	5,31	7,92	10,30

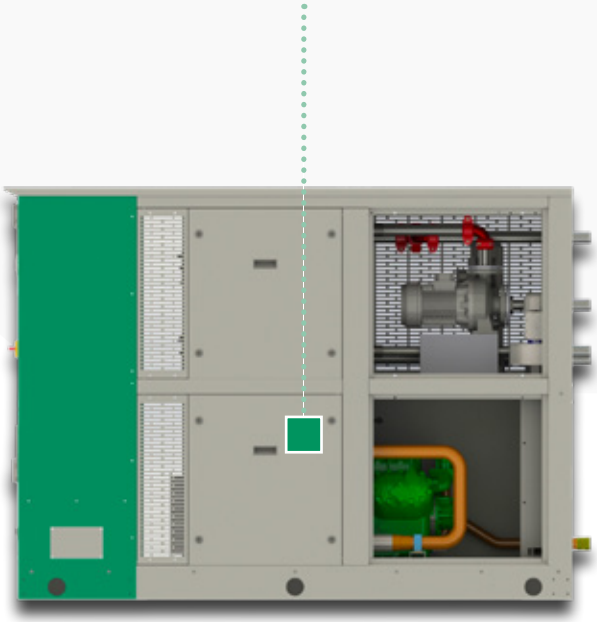
Reference conditions:

(1) Condenser fluid temperature IN/OUT = 100/110 °C - Condenser Fluid: water - Evaporator fluid temperature IN/OUT = 40/30 °C - Evaporator Fluid: water - Results according to UNI EN 14511-2022



The machine consists of **three compartments mechanically separated** to avoid any problems due to the **high temperatures involved.**

The **panelling** for the compressor compartment is of sandwich type to **minimize heat loss.** The emergency ventilation is managed according to EN378-2 directive.



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