

ECA POOL - Heat pump for pools

ECA POOL, the heat pump for **heating large and small indoor and outdoor swimming pools**, is an effective solution for heating water to the desired temperature and thus enjoying the pleasures of using the pool all year round.

ECA POOL makes it possible to extend swimming pool opening times and can be used in tourist facilities or residential applications, while achieving optimal savings in energy owing to its exclusive DC Inverter technology.

ECA POOL heat pumps are the most effective solution for heating outdoor pools **for periods when there is insufficient exposure to the sun.**

ECA POOL is an R410A gas, split-system heat pump that integrates easily into both existing and new pools. It includes a small size indoor unit (58.3 x 48.1 x 90 cm) combined with one or two external condensing units (mod. EP 101, mod. EP 201).

The special size and shape of the ECAPOOL heating unit allows it to fit into small technical areas.

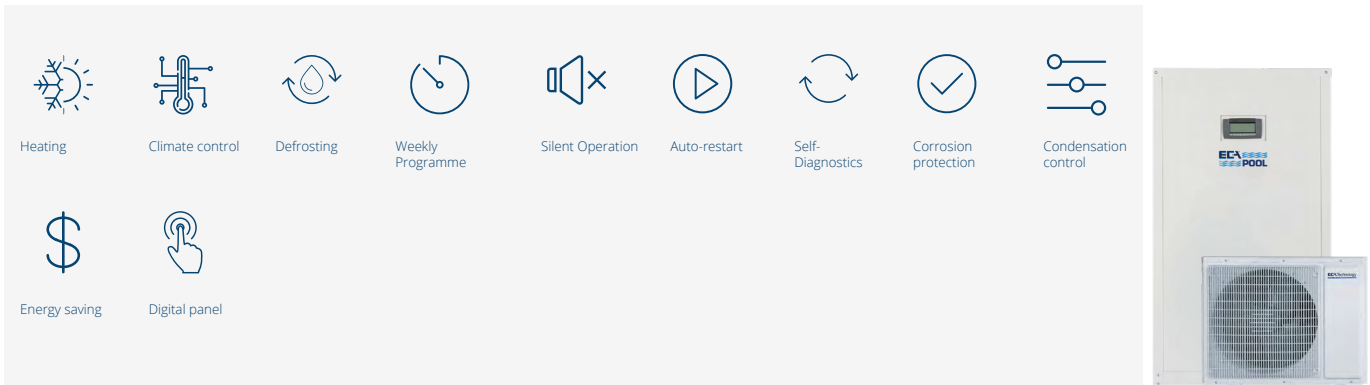
DC Inverter technology allows the heat pump to operate at outdoor temperatures from 40°C down to -15°C; ECA POOL with its DC Inverter compressors ensures very high COP in all operating conditions.



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ECApool with COH external unit

I Plus

The ECAPOOL indoor hydronic unit is equipped with **parametric control electronics** and a **digital control panel** which allows customisation of the operating parameters according to the most diverse system and climatic requirements, including: management of the climate temperature curve, availability of potential free contacts for third party control, energy saving function to optimise operating costs, detailed self-diagnostics, load partialisation logic and uniform wear of outdoor units (dual versions);

MODEL	I.U.	EP101	EP201
	O.U.	COH6514HE10/1 EP	COH6514HE10/1 EP (x2)
Power supply	V/Ph/Hz	230/1/50	230/1/50
Nominal heating capacity (1)	kW	11.20	22.40
Nominal heating capacity (2)	kW	12.20	24.40
Nominal heat. electric power	kW	0.40 - 2.20	0.80 - 4.40
C.O.P. (1)	W/W	5.40	5.45
C.O.P. (2)	W/W	6.20	6.25
Nominal water flow rate (ΔT 2.5°C)	l/h	3600	7200
Exchanger pressure drop	m H2O	0.64	0.64 x 2
Hydraulic fitting diameter	mm (inch")	50 (1" ½)	63 (2")
Water temperature range set	°C	15 - 30	15 - 30
O.U. sound pressure	dB(A)	58	58
O.U. sound power	dB(A)	68	68
Refrigerant Type/ GWP		R410A / 2088	R410A / 2088
Refrigerant quantity / CO2 equivalent	kg	2.0 / 4.176	2.0 / 4.176
Pipe diameter (liquid - gas)	mm (inch")	1/4" - 5/8"	1/4" - 5/8"
Max-min length with standard charge/additional charge/max height difference	m	2-6 / 20 / 10	2-6 / 20x2 / 10
Additional refrigerant charge	g/m	50	50
I.U. net dimensions (WxHxD)	mm	583 x 900 x 481	583 x 900 x 481
I.U. net weight	kg	80	80
O.U. maximum dimensions (WxHxD)	mm	980 x 790 x 396	980 x 790 x 396
Outdoor unit net weight	kg	65	65
Outdoor operating temperature min-max heat.	°C	-15 - 40	-15 - 40
CODE	I.U.	0001507	0001508
	O.U.	2701617/1	2701617/1 (x2)

(1) Outdoor temperature 15°C – Water temperature 25°C

(2) Outdoor temperature 35°C – Water temperature 28°C

NOTE: THE ABOVE PRODUCTS CONTAIN FLUORINATED GREENHOUSE GASES GOVERNED BY THE KYOTO PROTOCOL.