

HEAT PUMPS DURA+ duratech®



DURA+55T

DURA+90T

DURA+135T

	Model	DURA+55T	DURA+90T	DURA+135T
Heating capacity A25./W25	kW	56	92	135
	BTU/h	187000	307000	461000
Heating capacity A15/W25	kW	45	74	109
	BTU/h	180900	300400	450000
Cooling capacity A25/W25	kW	48,5	82,6	124
	BTU/h	165500	282000	423000
Power Input	kW	9,2	15,0	22,5
Maximum volume	m3	250	410	615
Running Current	A	23,6	29,2	44,8
Max Running Current	A	32,9	40,6	62,3
COP at A25/W25		6,0	6,0	6,0
COP at A15/W25		5,5	5,5	5,5
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50
Controller		Electronic control		
Condenser		Titanium heat exchanger		
Compressor Quantity		2	3	4
Compressor type		Scroll	Scroll	Scroll
Refrigerant		R410a	R410a	R410a
High air flow	M3/h	9000	13500	20250
Low air flow	M3/h	7600	11400	17100
Fan quantity		2	3	2
Fan Power Input	W	200*2	200*3	550*2
Fan Speed	RPM	830/680	830/680	870/720
Fan Direction		Vertical	Vertical	Vertical
Noise	dB (A)	61	62	62
Water Connection	mm	63	75	110
Nominal Water Flow	m3/h	25	40	60
Water Pressure Drop (max)	kPa	18	28	32
Unit Net Dimensions	L/W/H mm	1450/730/1260	2150/730/1300	2000/900/1920
Unit Shipping Dimensions	L/W/H mm	1550/790/1360	2310/860/1430	2150/1020/2080
Net Weight / Shipping Weight	Kg	242/340	380/440	850/920

Measuring conditions: Outdoor air temp: 25°C , Inflowing water temp: 25°C, rel. humidity: 65%

Your distributor

Ibuker Kft.
2800 Tatabánya, Dankó P. u. 17.
tel: +36 34 317-547 fax: +36 34 317-547
mobil: +36 20 982-3021
e-mail: info@geothermia.hu
www.geothermia.hu



DURA+ COMMERCIAL HEAT PUMPS

The ideal solution for heating large
swimming pools or public pools



DURA+55T



DURA+90T



DURA+135T

duratech®

DURA + COMMERCIAL HEAT PUMPS

The ideal solution for heating large swimming pools or public pools

Highly efficient and economical

The heat is retrieved from the air outside and transferred to the pool water. For each kW consumed by the DURA+ heat pump, 6 kW can be returned to the pool. So **5 out of 6 kW are for free**.

Use

The DURA+ heat pump has to be installed outside. It can **heat the pool a whole year round** and will even work with outside temperatures as low as **-10°C**. A cooling mode allows the water to be **cooled down** by the DURA+ heat pump as well.

Environment

- DURA+ heat pumps are **less harmful to the environment** because 83% of the energy produced is retrieved from the outside air and therefore purely natural.
- Also the gas used, R410a, has **no harmful effect on the ozone layer**.

Constructed for durability and longevity

Using advanced and **high quality materials** like stainless steel, ABS and "Titanium" for the heat exchanger means the DURA+ can resist to rust and erosion from chlorine in the water. The DURA+ heat exchanger is oversized to improve efficiency.

Easy installation

The unit is intelligently designed and remarkably compact for **ease of installation**. Example : the integrated pressure switch will sense the water pressure that is generated when the pool pump has started and it automatically starts the heat pump when heating/cooling is required. It will also stop the heat pump when the pool pump shuts off.



duratech®

DURA+ heat pumps can save you up to 83% in operating costs. Whether you just want to extend your swimming season or swim all season in a warm comfortable pool, the DURA+ heat pump can pay for itself in just a few years with the operation costs savings.

Advanced control

The integrated microprocessor monitors all the sensors and controls the device without any intervention of the user. Electronic display and control with **easy operation is standard.**

Running quietly

The use of a high efficient, low sound scroll compressor and a low noise two-speed fan, makes the unit **extremely quiet** in operation.

Features:

- High efficiency coefficient of up to 6
- Heat exchanger made of titanium to resist chlorine and salt erosion
- 'All seasons' model, works until -10°C
- Heating and cooling the pool water
- All functions are microprocessor controlled
- Quiet running with low sound scroll compressor, low noise fan
- With R410a for a higher efficiency and environment friendly operation
- Up to four compressors, with cycled defrosting function
- Cascade operation of multiple compressors
- Stainless steel casing

DURA+ 90T

