

AQUAFORTE HEAT PUMPS

HIGHLY EFFICIENT AND ECONOMICAL

The energy is collected from the air outside and transferred to the pool water. For each kW consumed by the DURATECH® heat pump, 4 to 5 kW are returned to the pool. The DURATECH® heat pump has to be installed outside and will even work with outside temperatures as low as -5°C. DURATECH® heat pumps are less harmful to the environment because 80% of the energy produced is collected from the outside air and therefore purely natural. Also the gas used, R407C, has no harmful effect on the ozone layer.

CONSTRUCTED FOR DURABILITY AND LONGEVITY

Using advanced and high quality materials like PVC and "Duranium®" for the heat exchanger means it can resist to erosion from chlorine in the water. Also, the "Duranium®" heat exchanger is oversized to improve efficiency.

EASY INSTALLATION

The unit is intelligently designed and remarkably compact for easy installation. Example: The integrated flow switch will sense the water flow and automatically start the heater when the pool pump starts and stop it when the pump shuts off.

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 rotary or scroll compressor, a low noise fan and an oversized heat exchanger, makes the unit to be extremely quiet in operation. Example: The DURA 8 at 10m distance gives only 32 db(A).

This series will be replaced during the year by the Duratech Plus series.

TYPE	ARTNR.	EURO excl. VAT	VOLT	WATT	CAP.
Dura 6	SC642	1605,00	240	1,2kW	6kW
Dura 8	SC644	2075,00	240	1,7kW	8,5kW
Dura 12	SC646	2885,00	240	2,4kW	12kW
Dura 17	SC648	3995,00	240	3,5kW	17,5kW
Dura 21	SC650	4995,00	240	4,3kW	21kW
Dura 21T	SC652	4900,00	380	4,2kW	21kW
Dura 25T	SC654	5250,00	380	5,0kW	25kW

DURATECH® heat pumps can save you up to 80% in operating costs!

The heat pump can pay for itself in just a few years with the operation costs savings.

Can be used as cooler/chiller!

Suited for salt water and chlorinated water



DURA 6



DURA 8/12



DURA 17



DURA 21/21T/25T

Unit	model	Dura 6	Dura 8	Dura 12	Dura 17	Dura 21	Dura 21 T	Dura 25T
heating power input	kW	0,8	1,7	2,4	3,5	4,3	4,2	5
heating capacity	kW	6	8,5	12	17,5	21	21	25
	BTU/H	21000	30000	41000	60000	72000	72000	90000
maximum volume	m³	25	35	50	75	90	90	110
running current	A	3,6	7,7	11,1	15,9	19,5	7,35	8,3
power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380/3/50	380/3/50
compressor quantity		1	1	1	1	1	1	1
compressor		rotary	rotary	rotary	scroll	scroll	scroll	scroll
refrigerant		R407C	R407C	R407C	R407C	R407C	R407C	R407C
quantity	Kg	0,4	0,8	1,1	1,3	1,8	1,8	2,2
low pressure	MPa	1,4	1,4	1,4	1,4	1,4	1,4	1,4
high pressure	MPa	3,1	3,1	3,1	3,1	3,1	3,1	3,1
fan quantity		1	1	1	1	1	1	1
fan power input	W	50	120	120	120	200	200	200
fan rotate speed	RPM	870	850	850	850	830	830	830
fan direction		horizontal	horizontal	horizontal	horizontal	vertical	vertical	vertical
noise at 1 mtr	dB (A)	47	51	54	54	58	58	58
water connection	mm	32	50	50	50	50	50	50
maximum water flow	m³/h	1,5	3	4,5	6	7,5	7,5	9
water pressure drop (max)	Mtr	0,6	1	1	1	1,2	1,2	1,2
unit net dimensions (L/W/H)	mm	770/350/540	1005/370/615	1005/370/615	1115/470/850	720/660/880	720/660/880	720/660/880
unit shipping dimensions (L/W/H)	mm	910/330/595	1070/405/650	1070/405/650	1200/480/900	760/700/890	760/700/890	760/700/890
net weight/shipping weight	Kg	41/48	60/67	66/73	95/105	125/135	125/135	135/145

measurement conditions: outdoor air temp.: 25°C inlet water temp.: 25°C

Values based on isolated walls and covering at night