



# COMMERCIAL HEAT PUMPS

- ✓ The easiest and most economical way to maintain the right water temperature of your commercial swimming pool facility
- ✓ Heating capacity from 13Kw up to 210Kw
- ✓ Cooling capacity from 8.8Kw up to 150Kw
- ✓ Vheat heat pumps are CE/Rohs/Reach certified.



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## STATE OF THE ART

The commercial heat pump series are designed to cope with the demands of the modern aquatic facility, no matter how large or small. Your facility income relies on the correct water temperature for all users, whether they are patrons, swim instructors or hotel/resort guests. Commercial heat pump air sourced heat pumps heat or cool the water to meet your exacting requirements. The commercial heat pump uses state of the art controllers to enable the machine to heat or cool your pool water with efficiency and low operating costs all at one of the most economical capital outlays available.



## HIGHLY RELIABLE

Our engineers have designed a reinforced base with an extra strong surrounding cabinet to ensure long life. The high grade powder coated cabinet and double epoxy coated evaporator coil minimises the potential for rust and corrosion and extends the life of the unit. The titanium heat exchanger is housed in a fully injection moulded PVC container which ensures not only corrosion free performance of the heat exchanger, but the ability to withstand the high pressures that pool pumps can produce. 407C refrigerant gas used in the Commercial heat pump helps to keep the atmosphere free of hydrochlorofluorocarbon that is harmful to the ozone layer.

Model	78550	78551	78552	78553	78554	78555
Net Dimension (mm)	1490x735x1130	1490x735x1130	2180x1080x1930	2180x1080x1930	2180x1080x2060	2180x1080x2060
Connection (mm)	63	63	110	110	110	110
Min Flow (lpm)	283	333	467	583	700	1000
Min Friction Loss (kPa)	12	12	16	16	18	21
Sound Level (dBa)	61	61	61	62	63	67

Air Temp		9HP	10HP	15HP	20HP	30HP	40HP
		AHP100	AHP130	AHP200	AHP250	AHP300	AHP500
24 deg	kW Output	47	58	95	120	145	220
	COP*	5.05	5.8	5.9	5.5	5.71	5.8
	kW Input	9.3	10.0	16.1	21.8	25.4	37.9
	Current (A)**	16.1	19.5	28.8	39.0	45.4	67.8
15 deg	kW Output	36	48	80	100	120	160
	COP*	4.65	5.05	5.19	5.0	5.11	5.19
	kW Input	7.75	9.5	15.4	20.0	23.5	30.8
	Current (A)**	15.1	18.5	27.5	35.8	42.0	55.1
7 deg	kW Output	30	38	62	80	90	125
	COP*	3.9	4.32	4.13	4.10	4.29	4.24
	kW Input	7.7	8.8	15.0	19.5	21.0	29.5
	Current (A)**	15.0	17.1	26.8	34.9	37.5	52.7

\* All performance data is based on 27 degree water @ 63% relative humidity

\*\*Current rating is per phase



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