BOSS POOL HEATING

Celsius Pro

Longer Swimming Seasons with Celsius Pro Heat Pumps



EFFICIENCY
COP up to 11.8

3 HEAT PUMP SIZES
13 - 21kW

DC INVERTER
Technology

CONNECTIVITY
WiFi Enabled

Celsius Pro heat pumps provide quiet, efficient inverter heating that costs far less to run than gas, with a touchscreen controller, timers and Wi-Fi control all standard.

Quiet running at its best. The Celsius Pro is up to 7 times quieter than a standard on/off heat pump, just 42.9dB a metre away, about as loud as a quiet chat across the table.

Enjoy your pool for longer with Celsius Pro

HEAT EXCHANGER	COMPRESSOR	ALL PARTS
25 Year Warranty	**5 Year Warranty**	**5 Year Warranty**



Hybrid Compatible
solar thermal + heat pump

7 Times Quieter

DC-inverter Technology

Celsius Pro is the choice for recreational pool & spa owners looking to maximise their swim season or swim all year round. With more features as standard, like the intelligent touch screen controller and built in timers, the Celsius Pro also delivers lifestyle features such as ultra-quiet operation making it the smart and economical alternative for those considering a heat pump.

Why choose Celsius Pro?

- DC-Inverter Technology
- Co-Efficiency of Performance as high as 11.8
- Fast Heat and automatic stepped heat maintenance
- Eco-Friendly R32 Refrigerant Gas
- Built-in Flow Switches, Pressure & Low / High Temperature Safety Sensors
- Easy to use, set & forget Controller with LCD Touchpad
- Smart & Silence Modes
- 18°C ~ 40°C set point temperature control
- Automatic & Manual Reverse Cycle Defrost functions
- Spiral Titanium Tube in PVC Heat Exchanger
- ABS anti-corrosion Cabinet
- Global WiFi for your Smart Phone
- Soft Start
- TUV Rheinland Certified

The Celsius Pro Heat Pumps Range

PR13	Celsius Pro 13kW Heat Pump	Single Phase	15.0A
PR17	Celsius Pro 17kW Heat Pump	Single Phase	20.5A
PR21	Celsius Pro 21kW Heat Pump	Single Phase	23.5A

*Heating capacity at air 26°C, water 26°C, 80% humidity

How do the Celsius Pro Heat Pumps work?

The electricity consumed by a heat pump is used to compress and circulate a R32 refrigerated gas within a closed circuit of the heat pump. This R32 refrigerant gas absorbs the heat from the surrounding atmosphere transferring it to the circulating pool water via a titanium heat exchanger. Since heat pumps are collecting the heat from the surrounding atmosphere, they are an energy efficient heating option due to the greater heat output compared to the power input. This input vs output ratio is defined by the heat pumps Co-efficiency of Performance (COP) ratings that are based on various operating conditions.



Built in Wi-Fi

DC-inverter Technology

TÜVRheinland



Heat Pumps Specifications

Model and Technical Data Overview

Technical Data Overview

Description	UoM	PR13	PR17	PR21
Operating air temperature	°C		0~43°C	
Performance Condition: Air 26°C, Water 26°C, Humidity 80%				
Heating capacity	kW	12.5	16.0	20.0
COP		7.0~11.6	7.1~11.2	6.5~11.8
COP at 50% capacity		10.1	9.7	10.2
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity	kW	8.5	11.0	14.0
COP		4.8~6.3	4.7~6.4	4.6~6.5
COP at 50% capacity		6.1	5.9	6.1
Acoustic and Electrical				
Sound pressure at 1m	dBA	42.9~53.0	45.2~56.3	45.3~57.1
Sound pressure of 50% capacity at 1m	dBA	48.5	48.7	49.6
Power supply			230V/1 Ph/50Hz	
Fuse (Circuit Breaker)	amps	15.0	20.5	23.5
Advised water flux	litre/min	66~100	100~133	133~166
Fittings (Australian)			50mm	
Refrigerant (Ozone Friendly)		R32	R32	R32
Physical and Build				
Net Dimension	LxWxH	872×349×654	962×349×654	962×349×754
Net weight	kg	49	60	68
Compressor Type			Twin Rotary GMCC DC Inverter	
Heat exchanger			Spiral titanium tube in PVC	
Casing			ABS Plastic	

With choosing a correctly sized Heat Pump, there are many factors to consider such as: pool volume, homeowners' expectations, pool location, pool cover usage, water features etc.

Want to heat your pool with a Celsius Pro Heat Pump?

Scan the QR Code and get a quote or give us a call for more information.

BOSS POOL HEATING

Celsius Pro

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