Celsius Pro

Extend Your Swimming Season

INVERTER HEAT PUMP

BY BOSS

Extend your swimming season with Celsius Pro!

11.8 COP
COP up to 11.8

Quiet operation
7 times quieter than ON/OFF technology

Built-in WiFi for remote control

Hybrid compatible
Solar thermal + heat pump

Soft Start

Inverter heat pump

Celsius Pro is the economical choice for recreational pool & spa owners looking to maximize 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 quiet operation making it the smart and economical alternative for those considering a heat pump.

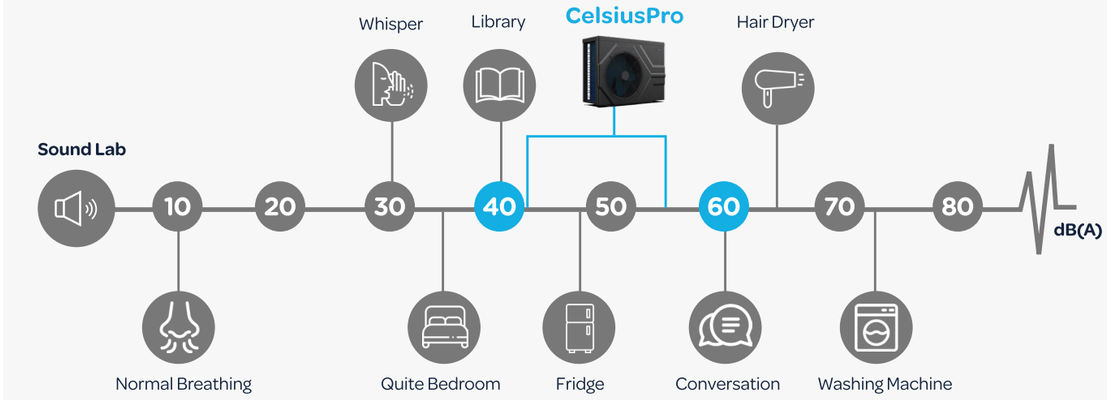
Why choose Celsius Pro?

- DC-Inverter Technology
- Co-Efficiency of Performance (COP) as high as 11.8
- Fast heatng 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 & silent 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
- WiFi connectivity for your smart phone
- Soft Start
- TUV Rheinland Certified
- Available in sizes from 9kW to 24kW

TÜVRheinland®

DC-inverter Technology

7 times quieter



42.9 dB(A) at 1 meter

How does a heat pump work?

The electricity consumed by a heat pump is used to compress and circulate a R32 refrigerated gas within the 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.

Hybrid heating

Combine a Boss ***Celsius*** Heat Pump with either a ***NanoTek, Ultimate Blue or Rhino*** SRCC + Climate Care Certified thermal solar panels for the ultimate pool heating system. Enjoy swimming all year round with the lowest carbon footprint possible.

About Boss

Australia's leading pool heating manufacturer

Australian owned and managed, Boss is Australia's largest manufacturer of pool heating products for the past 35 years located in Melbourne. As Australia's market leader, offering state-of-the-art innovative pool heating products, we pride ourselves on our technological skills, manufacturing abilities and exceptional post-sale customer service.

Control anywhere at anytime

Features:

- Temperature setting
- Capacity percentage
- Mode setting
- Timer
- On/Off

CELSIUS PRO SPECIFICATIONS

Model and Technical Data Overview

DC-inverter Technology

Model

Part Number	Product Description	Rated Current (Amp)	*Heating Capacity (Kw)
PR09HP	CelsiusPro 9kW Inverter Heat Pump	9.5	9.0
PR13HP	CelsiusPro 13kW Inverter Heat Pump	15.0	12.5
PR17HP	CelsiusPro 17kW Inverter Heat Pump	20.5	16.0
PR21HP	CelsiusPro 21kW Inverter Heat Pump	23.5	20.0

*Based on a 26°C ambient air temperature, 26°C water temperature and 80% Humidity

Technical Data Overview

Description	UoM	PR09HP	PR13HP	PR17HP	PR21HP
*Maximum Pool Volume (m^3) - Cool Climate	m^3	15	30	40	50
*Maximum Pool Volume (m^3) - Warm Climate	m^3	18	40	50	60
Operating air temperature			0~43°C		
Performance Condition: Air 26°C, Water 26°C, Humidity 80%					
Heating capacity	kW	9.0	12.5	16.0	20.0
COP		6.8~10.6	7.0~11.6	7.1~11.2	6.5~11.8
COP at 50% capacity		9.6	10.1	9.7	10.2
Performance Condition: Air 15°C, Water 26°C, Humidity 70%					
Heating capacity	kW	6.3	8.5	11.0	14.0
COP		4.5~6.1	4.8~6.3	4.7~6.4	4.6~6.5
COP at 50% capacity		5.7	6.1	5.9	6.1
Sound pressure at 1m	dBA	40.6~52.5	42.9~53.0	45.2~56.3	45.3~57.1
Sound pressure of 50% capacity at 1m	dBA	45.8	48.5	48.7	49.6
Power supply			230V/1 Ph/50Hz		
Fuse (Circuit Breaker)	amps	10	15	20	25
Advised water flux	litre/min	50~66	66~100	108~100	133~166
Fittings (Australian)	mm		50mm		
Refrigerant (Ozone Friendly)		R32	R32	R32	R32
Net Dimension	LxWxH	872x349x654	872x349x654	962x349x654	962x349x754
Net weight	kg	46	49	60	68
Compressor (Twin Rotary)			Twin Rotary GMCC DC Inverter		
Heat exchanger			Spiral titanium tube in PVC		
Casing			ABS Plastic		

*The advised sizing is based on the pool being used for seasonal swimming with the use of a pool cover

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.

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