

 Celsius Platinum

# Year Round Pool Heating

PREMIUM FULL INVERTER HEAT PUMP



BY  **BOSS**<sup>TM</sup>

# Year-round heating and cold climate compatible!



**25 YEAR**  
HEAT EXCHANGER  
WARRANTY

**5 YEAR**  
COMPRESSOR  
WARRANTY

**2 YEAR**  
ALL PARTS  
WARRANTY

**16 COP**

COP up to 16

**Ultra quiet technology**

15 times quieter than ON/OFF technology

**Turbo boost, 20% more heating capacity**

Turbo boost, 20% more heating capacity

**Built-in WiFi for remote control**

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**Turbo Silence Inverter control system**

Turbo Silence Inverter control system

**Hybrid compatible**

Hybrid compatible  
Solar thermal + heat pump

## Ultra-quiet heating TurboSilence Inverter

Celsius Platinum is the premium choice for recreational pool & spa owners looking to maximize their swim season or swim all year round with ultra quiet performance. Designed with the latest TurboSilence technology and stepless full DC inverter compressor, fan, and control system – Celsius Platinum provides an energy efficient, high quality heating option for those wanting to get the most out of their backyard swimming pool or spa.

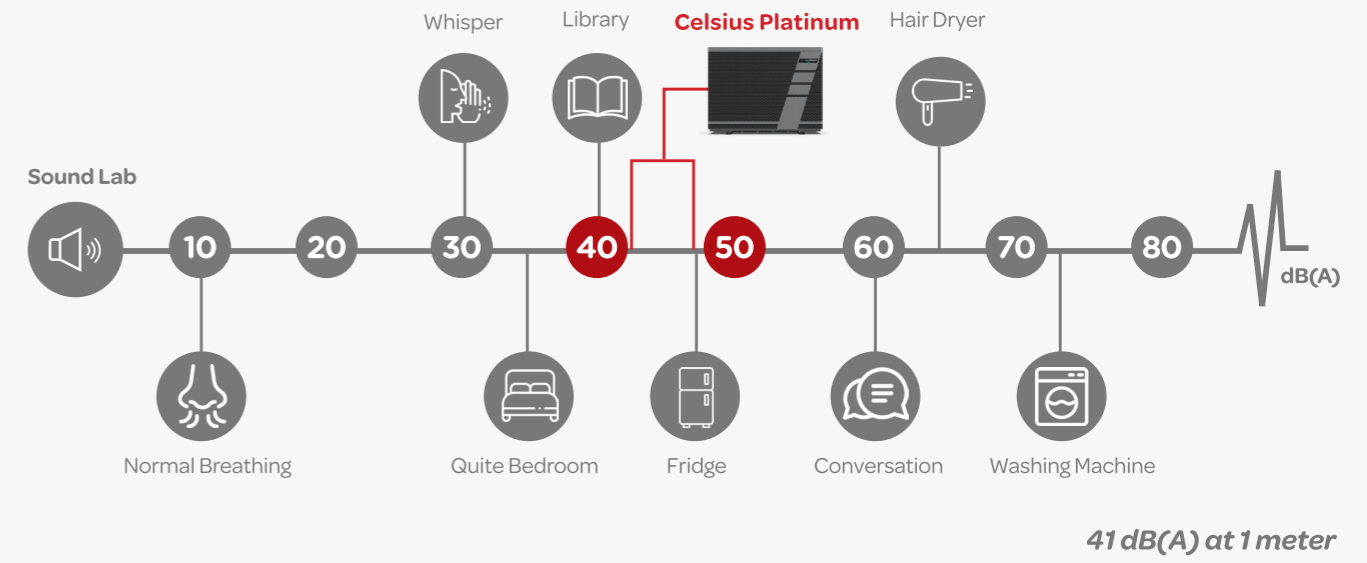
## Why choose Celsius Platinum?

- Full inverter control system – TurboSilence
- Twin rotary Mitsubishi DC inverter compressor
- DC-Inverter fan motor
- Turbo boost function giving 20% more heating
- Ultra quiet, 41dB measured at 1m
- Aluminium-alloy cabinet - high quality, tuff, and durable
- Co-Efficiency of Performance (COP) as high as 16.0
- Wi-Fi connectivity for your smart phone
- Eco-friendly R32 refrigerant gas
- Built-in flow switches, pressure & low / high temperature safety sensors
- Easy to use, set & forget controller
- Flush LCD 'buttonless' touchscreen
- 3 x run modes: Turbo Boost / Smart / Silent
- Operating range, ambient air -15°C to + 43°C
- 18°C ~ 40°C set point heating temperature control
- 12°C ~ 40°C auto mode
- Automatic & manual reverse cycle defrost functions
- Spiral titanium tube in PVC heat exchanger
- TÜV Rheinland certified
- SAA approved
- Available in sizes from 13kW to 32kW



TurboSilence Inverter

15 times quieter + 20% more turbo heating



## How does a heat pump 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.

## 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 PLATINUM SPECIFICATIONS

## Model and Technical Data Overview

### Model



Part Number	Product Description	Rated Current (Amp)	*Heating Capacity(Kw)
PL13HP	CelsiusPlatinum 13kW TurboSilence Inverter Heat Pump	15.0	13.2
PL17HP	CelsiusPlatinum 17kW TurboSilence Inverter Heat Pump	19.0	16.8
PL21HP	CelsiusPlatinum 21kW TurboSilence Inverter Heat Pump	22.5	21.0
PL26HP	CelsiusPlatinum 26kW TurboSilence Inverter Heat Pump	24.5	25.5
PL32HP	CelsiusPlatinum 32kW TurboSilence Inverter Heat Pump	28.5	31.5

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

### Technical Data Overview

Description	UoM	PL13HP	PL17HP	PL21HP	PL26HP	PL32HP
*Maximum Pool Volume (m³) - Cool Climate	m³	30	40	50	70	80
*Maximum Pool Volume (m³) - Warm Climate	m³	40	50	60	80	95
Operating air temperature		-15~43°C				
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity in Smart mode	kW	11	13.8	17.5	21.5	27
Heating capacity in Turbo mode	kW	13.2	16.8	21	25.5	31.5
COP in Smart mode		8.2	7.5	7.3	7.8	7.4
COP		7.3~15.0	6.4~15.5	6.3~15.0	6.8~16.0	6.3~15.8
COP at 50% capacity		11.6	11.2	11.2	11.3	11.2
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity in Smart mode	kW	7.3	9.4	11.8	14.8	18
Heating capacity in Turbo mode	kW	8.8	11.3	14.3	17.5	21.5
COP in Smart mode		5.3	5	5	5.4	5.3
COP		4.9~6.8	4.4~7.3	4.6~7.8	4.6~7.8	4.9~7.8
COP at 50% capacity		6.5	6.6	6.8	6.8	6.8
Sound pressure at 1m	dBA	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9
Sound pressure of 50% capacity at 1m	dBA	41.3	43.7	44.5	44.4	46.4
Sound pressure at 10m	dBA	18.6~26.9	22.0~27.7	22.90~30.8	20.8~31.2	25.3~31.9
Power supply		230V/1 Ph/50Hz				
Advised water flux	litre/min	50~66	66~100	108~141	133~166	166~200
Fittings (Australian)		50mm				
Net Dimension	LxWxH	893x432x650	939x432x650	995x432x750	1125x429x952	1074x539x947
Net weight	kg	61	65	70	98	102
Compressor Type		Twin Rotary Mitsubishi DC-inverter				
Heat exchanger		Spiral titanium tube in PVC				
Casing		Premium Aluminium Alloy Casing (Matte Black)				

\*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.



sales@bossolar.com.au  
www.bossolar.com.au  
1300 786 489

