



AstralPool BM & SB Series Heat Pump

Design for world wide applications



Astralpool's reputation for innovative technology and leading edge engineering was established by its ground breaking gas pool and spa heaters.

However, in some regions of Australia natural gas is unavailable. For those applications, electricity is usually the best and most cost-effective option for year round heating.

And now, the brilliant Astralpool BM & SB Series Heat Pumps offer the best and most cost-effective form of electrical pool heating.

Astralpool Heat Pump's use the same principles employed in air conditioners and refrigerators by extracting the latent heat that exists in the atmosphere all around us.

How does it work?

A large fan draws air across an array of fine tubes called an evaporator. Each tube is filled with a remarkable chemical called a refrigerant which boils at extremely low temperatures. Any heat in the passing air causes the refrigerant to boil creating a hot vapour inside the tubes.

The tubes carry that vapour through a compressor, which increases both its pressure and temperature. Finally, the super heated vapour is carried through the coils of the heat exchanger emersed in water being drawn from the pool. As the vapour's heat is transferred to the pool water, the vapour condenses back into a liquid and the tubes carry it back to the evaporator to begin the process all over again.

Whisper Quiet.

The powerful, moulded, forward curved multi-blade fan is designed to draw vast amounts of air smoothly and quietly through the evaporator. It's blades are angled and sculptured to reduce fan noise to a new minimum.

Super Efficient.

The Astralpool BM & SB Series employs a double row evaporator coil. Air drawn in by the fan is forced through the evaporator twice resulting in even greater efficiency from a smaller package.

Reliable and Durable.

To ensure long life, the heat exchanger is made of Titanium. And it's not just the heat exchanger that's tough. The top and base of the heat pump are made of corrosion resistant marine grade powdercoated steel.

Swimming without the Sun.

Unlike solar heating, you don't need the sun to swim with Astralpool Heat Pumps. Even in the coldest Australian conditions, a correctly sized Astralpool Heat Pump will still draw enough latent heat from the surrounding air to allow you to significantly extend your swimming season.

Model	Discharge Output	Heating Output	HP	Voltage
BM 600	Side	14/10 kW	3 HP	240/50hz
SBM 700	Top	19/14 kW	4 HP	240/50hz
SBT 700	Top	19/14 kW	4 HP	415/50hz
SBT 800	Top	25/18 kW	5 HP	240/50hz
SBT 800	Top	25/18 kW	5 HP	415/50hz
SB9 900	Top	30/22 kW	6 HP	415/50hz

