Austek Ascend Series

The Ascend Top discharge Inverter Pool Heat Pump series are built to perform—so even when the mercury drops to 0°C the Ascend keeps going. Engineered for efficiency in cooler climates their compact footprint makes them the perfect choice when space is limited, the Ascend Series is perfect for swimming pools, plunge pools, swim spas, and spas. Whether you want to extend your swim season or enjoy your pool all year long, Ascend delivers powerful, reliable heating when you need it most also coming in larger sizes for the commercial or large residential pools.



Soft Start
Austek Ascend begins operation at 0 amps, gradually increasing to protect your electrical systems from sudden surges.

Cold Weather Operation
Engineered to perform in temperatures as low as -10°C, allowing you to extend your swimming season well into the winter months.

Built-in Wi-Fi
Enjoy the convenience of controlling your pump anytime, anywhere with integrated Wi-Fi and a dedicated smart app.

Full Stepless DC Compressor
Delivers ultra-quiet operation thanks to its stepless variable-speed technology.

Electronic Expansion Valve
Maximizes refrigerant flow efficiency, increasing COP by up to 20% for superior performance.

Twisted Titanium Heat Exchanger
Designed for maximum surface contact, offering 40% greater efficiency in heat exchange.

Smart & Quick Defrosting
Austek Ascend features an intelligent reverse cycle defrosting system that automatically detects frost build-up and initiates defrost mode to maintain optimal performance.

Model	Retail inc GST
Ascend 18kw	$6,120
Ascend 26kw	$8,626
Ascend 30kw	$10,874
Ascend 35kw	$14,272



Austek Ascend Series Technical Specification

Model No.	Austek Ascend	18kw	26kw	30kw	35kw
Refrigerant	/	R32			
Power Supply	/	220-240V~/50Hz			380-415V/ 3N~/50Hz
Performance Condition: Air Temperature 27°C, Inlet Water Temperature 26°C, Humidity 80%					
Heating Capacity	kW	18.05	26.13	30.32	35.24
COP	W/W	18.12-6.16	18.56-6.30	18.30-6.23	18.11-6.32
Performance Condition: Air Temperature 15°C, Inlet Water Temperature 26°C, Humidity 70%					
Heating Capacity	kW	13.09	18.11	21.37	24.39
COP	W/W	8.55~5.24	8.42~5.14	8.58~5.28	8.54~5.25
Operating Air Temperature	°C	-15~43			
Rated Power Input at 15°C	kW	0.38~2.50	0.52~3.52	0.60~4.05	0.69~4.65
Compressor	/	Mitsubishi			
Sound Level (1m)	dB(A)	42.1~52.3	45.8~55.3	47.3~57.3	49.1~59.6
Sound Level (10m)	dB(A)	22.1~32.3	25.8~35.3	27.3~37.3	29.1~39.6
Max. Current	A	16.5	20.5	28.0	11.5
Advised Water Flow	m^3/h	7.5	11.0	13.0	15.0
Water Pressure Drop	kPa	20	35	38	45
Water Connection	mm	48.3			