



SLASH YOUR HOT WATER  
OPERATIONAL COSTS!

**POLARIS HT**  
COMMERCIAL WATER HEATING



# POLARIS HT

## COMMERCIAL WATER HEATING



**80°C**  
HOT WATER

<b>Air operating range</b>	-7°C to 45°C
<b>Used for</b>	Commercial & industrial water heating applications
<b>Suitable for</b>	Hotels & resorts, schools, nursing homes, sterilization and industrial applications

### A BETTER HOT WATER SOLUTION

The Polaris HT hot water heating is the best solution for commercial hot water that offers a higher C.O.P than traditional boilers.





Using cutting edge technology, green refrigerants, high efficiency heat exchanger and a circulating heating method, the Polaris HT can help end users **SAVE MORE THAN 66%** on their annual hot water operational costs - **WHILE DELIVERING UP TO 80°C HOT WATER!**

### ONE SOLUTION, MANY APPLICATIONS

The Polaris HT Series is the heavy duty grade commercial unit suitable for many commercial and industrial applications due to its high 80°C outlet water temperature. It's the ideal solution for hotels, motels, schools nursing homes and industrial applications such as sterilization, electric-plating factories etc.

### ENERGY SAVING REPLACEMENT

The Polaris HT Series is the perfect replacement for inefficient coal, gas and electric boiler systems. It can replace the traditional coal, gas or electric boiler systems by connecting to the existing hot water tanks.

			
<b>Coal boiler</b>	<b>Gas boiler</b>	<b>Electric boiler</b>	<b>Heat pump</b>
<b>X</b>	<b>X</b>	<b>X</b>	<b>✓</b>

**SLASH YOUR HOT WATER OPERATIONAL COSTS BY CONVERTING TO THE POLARIS HT COMMERCIAL WATER HEATING SYSTEM**



<b>Polaris HT Series</b>		<b>HT32</b>	<b>HT64</b>
<b>Hot Water Condition 1</b>		<b>A20/15°C, W15°C to 65°C</b>	
Heating capacity	kW	32.0	64.0
Input	kW	9.2	18.2
C.O.P.		3.48	3.52
Hot water	L/h	550	1100
<b>Hot Water Condition 2</b>		<b>A35/-°C, W15°C to 75°C</b>	
Heating capacity	kW	40.0	80.0
Input	kW	10.7	21.0
C.O.P.		3.74	3.80
Hot water	L/h	573	1146
<b>Hot Water Condition 3</b>		<b>A7/6°C, W9°C to 75°C</b>	
Heating capacity	kW	25.0	50.0
Input	kW	11.0	21.5
C.O.P.		2.27	2.33
Hot water	L/h	325	650
<b>General Specifications</b>			
Max. power input	kW	16.0	31.9
Max. current	A	27.2	50.7
Power supply	V/Ph/Hz	380-415V/3N/50Hz	380-415V/3N/50Hz
Compressor type		EVI Scroll	EVI Scroll
Compressor quantity		1	2
Fan quantity		2	2
Fan motor input	W	260 x 2	615 x 2
Circulation pump		Grundfos	Grundfos
Water flow volume	m <sup>3</sup> /h	5.0	10.0
Water pressure drop	kPa	46.0	81.0
Suggested water temp differential	°C	5	5
Water connection	inch	1 1/2"	2"
Noise	dB(A)	69	71
Air discharge type		vertical	vertical
Refrigerant type		R134a	R134a
Operation range	°C	-7~45	-7~45
Condenser		Tube in shell heat exchanger	Tube in shell heat exchanger
Suggested outlet water temp	°C	75	75
Max outlet water temperature	°C	80	80
Net dimensions (L,W,H)	mm	1610/1050/1550	2180/1080/2000
Shipment dimensions (L,W,H)	mm	1725/1100/1725	2360/1180/2160
Net weight	kg	362	680
Gross weight	kg	420	751

**POLARIS HT -  
HIGH SPEC  
TECHNOLOGY &  
RELIABILITY WITH  
LOW OPERATING  
COSTS**



# COMPANY PROFILE

At EVO we strive for development and change, a constant progression in our products and systems.

Everything starts with the right advice. Our focus is on you, and your exclusive heating needs.

Our overriding principle has always been to excel in introducing the latest technology,

What is exclusive to EvoHeat is exclusive to you!

Products made to the highest standard – Materials like Titanium, environmentally responsible R410a refrigerant and an overall standard that has gained ISO9001 and other International Standard certifications.

## PEACE OF MIND IS A STANDARD FEATURE

EvoHeat is 100% Australian owned and is a leading specialist supplier of heat pumps for domestic and commercial pool applications.

Evo technology leads the world in energy savings and environmental responsibility. We care for our environment!. Evo is registered under the Australian Government's Ozone Protection and Synthetic Greenhouse Gas Act.

Evo has the product range and the capability to supply even the largest liquid heating and cooling requirements. Applications as diverse as domestic and commercial hot water, industrial water heating and cooling, aquaculture and agriculture are met with a complete range of products that exceed client expectations every time.



1300 859 933 | [info@evoheat.com.au](mailto:info@evoheat.com.au)  
[www.evoheat.com.au](http://www.evoheat.com.au)

ISO9001

ROHS



CB

CE



EMCcertified  
Production accredited