

# High Temperature Heat Pumps

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Specifically designed to realize energy savings for  
high temperature process applications.  
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## FEATURES & BENEFITS



Water heating up to 75°C



High reliability



Low maintenance



Easy installation



Expert service & support



Environmentally friendly refrigerants

- The heating capacities range from 13 kW to 46 kW
- Multiple units can be installed together, thus catering for any client's needs.
- 50% energy savings obtained compared to using a conventional electrical boiler.
- The ECHTH-MT series are equipped with advanced compressors that are suitable for heating water up to 75°C.
- Turnkey hot water solutions
- Enerflow heat pumps aim to maximise value for money in terms of life cycle cost. *This does not necessarily imply the lowest initial cost, but rather focuses on quality, reliability and the capitalised operating cost, including the impact of peak demand and electricity consumption tariffs.*
- **Our ECHTH-MT series heat pumps are ideally suited for supplying hot water in the following applications:**

Abattoirs

Pasteurisation process

Preheating of steam boilers

Disinfection & cleaning of process  
equipment

Factory process water



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# High Temperature Heat Pumps

## ECHTH-MT series

### SPECIFICATIONS

		ECHTH13-MT	ECHTH26-MT	ECHTH46-MT
Heating capacity*	<i>kW</i>	12.8	25.6	45.4
Coefficient of performance (COP)*		2.5	2.6	2.5
Rated heated water output*	<i>ℓ/h</i>	183	367	650
Rated outlet water temperature*	<i>°C</i>		75	
Maximum outlet water temperature	<i>°C</i>		80	
Rated current*	<i>Amp</i>	9.6	19	34.1
Power supply*	<i>V/Ph/Hz</i>		380-415/3/50	
Rated power input*	<i>kW</i>	5.1	10.0	17.9
Number of compressors		1	2	2
Refrigerant type		R134a		
Noise level at 1 meter distance	<i>dB</i>	62	65	68
Water connection size	<i>mm</i>	25	40	50
Cabinet material		Powder coated (Stainless steel on request)		
Dimensions (w x d x h)	<i>mm</i>	810 x 810 x 995	1450 x 705 x 1375	1990 x 980 x 2045
Net weight	<i>kg</i>	148	296	600
Heat exchange type		High efficiency tube-in-shell heat exchanger		
Fan discharging		Vertical		
Operating ambient temperature		-15 - 43		
Low pressure protection system	<i>°C</i>	Yes		
High pressure protection system		Yes		
Automatic defrost system		Yes		

\* Test standard: Ambient temperature of 20/15°C (DB/WB)  
Water inlet temperature of 15°C