



Locally Manufactured Commercial Heat Pumps

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Our direct heating heat pumps are locally designed and built for the South African commercial and industrial sectors.
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Water heating up to 60°C



High reliability



Low maintenance



Easy installation



Expert service & support



Environmentally friendly refrigerants

FEATURES & BENEFITS

- The heating capacities range between 25 kW and 85 kW.
- Multiple units can be installed together thus catering for any client's needs.
- The direct heating capability of the EH-MT series means that hot water is directly heated and available at 55°C to 60°C.
- Between 50% and 70% energy savings are obtained compared to using a conventional electrical boiler.
- 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 EH-MT series heat pumps are ideally suited for supplying hot water in the following applications:**

Change houses
Hospitals
Residences
Agricultural heating requirements

Industrial & commercial process water
Abattoirs
Hotels
Hostels

The EH-MT range is designed and built locally for South African conditions by M-Tech Industrial*, a specialist engineering company.



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* Enerflow is a proud division of M-Tech Industrial (Pty) Ltd; owned by Royal Bafokeng Holdings

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EH-MT series

SPECIFICATIONS

		EH30MT	EH40MT	EH50MT	EH80MT
Heating capacity*	<i>kW</i>	27.9	36.9	46.4	73.5
Coefficient of performance (COP)*		3.3	3.4	3.3	3.6
Rated heated water output*	<i>ℓ/h</i>	600	794	998	1581
Rated outlet water temperature*	<i>°C</i>	55			
Max outlet water temperature	<i>°C</i>	60			
Rated current*	<i>Amp</i>	20	24.2	35	45
Power supply	<i>V/Ph/Hz</i>	380-415/3/50			
Rated power input*	<i>kW</i>	9.9	12.5	16.4	23.8
Compressor type		Hermetically sealed scroll			
Number of compressors		1			
Refrigerant type		R417a (R407c on request)			
Noise level at 3 meter distance	<i>dB</i>	79	83	83	83
Water connection size	<i>mm</i>	25	40	40	40
Cabinet material		Powder coated galvanised steel (Stainless steel on request)			
Dimension (w x d x h)	<i>mm</i>	1311 x 980 x 1156	463 x 980 x 1301	1580 x 980 x 1550	1500 x 1580 x 980
Net weight	<i>kg</i>	350	400	450	700
Heat exchanger (hot water)		High efficiency tube-in-tube heat exchanger			
Heat exchanger (air)		Copper tubes and aluminium fins with corrosion resistant coating			
Fan type		Axial flow			
Defrosting method		Hot gas defrost			

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