

## South African Manufactured Commercial Heat Pumps

### Features and Benefits

Umulig Engineering supplies and installs the EH-MT locally manufactured heat pump range. These commercial units are specially designed for local commercial heating requirements. The heating capacities range between 25 kW to 85 kW.

Multiple units can be installed together to meet the client's water heating requirements. An energy saving of between 50 % to 70 % can be achieved when compared to a conventional electrical boiler.



[www.umulig.co.za](http://www.umulig.co.za)

[heatpump@umulig.co.za](mailto:heatpump@umulig.co.za)

## Locally Manufactured Commercial Heat Pumps

SPECIFICATIONS	EH30MT	EH40MT	EH50MT	EH50MT
Heating capacity (kW)	27.9	36.9	46.4	73.5
Coefficient of performance (COP)*	3.3	3.4	3.3	3.6
Rated heated water output* (l/h)	600	794	998	1581
Rated outlet water temperature* (°C)	55			
Max outlet water temperature (°C)	60			
Rated current* (Amp)	20	24.2	35	45
Power Supply (V/Ph/Hz)	380-415/3/50			
Rated power input* (kW)	9.9	12.5	16.4	23.8
Compressor type	Hermetically sealed scroll			
Number of compressors	1			
Refrigerant type	R417a			
Noise level at a 3-meter distance (dB)	79	83	83	83
Water connection size (Female)	25	40	40	40
Cabinet material	Powder coated galvanised steel (Stainless steel on request)			
Dimensions (w × d × h)	1250×985×1096	1580×985×1562	1580×985×1562	1580×985×1630
Net weight (kg)	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

All dimensions in mm, unless otherwise stated