

ECHT-MT HIGH TEMPERATURE HEAT PUMPS

Features and Benefits

The ECHT-MT series adopts the most advanced vapour injection compressor technology, therefore, delivering higher outlet water temperatures than conventional air-source heat pumps

The ECHT-MT series can heat water up to 75°C, with the heating capacities ranging between 12 kW to 45 kW.

The ECHT-MT heat pump range is ideally suited for industrial process heating applications, such as

- Abattoirs
- Factory process water
- Pre-heating of steam boilers
- Disinfection & cleaning of process equipment
- Pasteurisation process

High Temperature Heat Pumps

SPECIFICATIONS	ECHTH13-MT	ECHTH26-MT	ECHTH46-MT
Heating capacity (kW)	12.8	25.6	45.4
Coefficient of performance (COP)*	2.5	2.6	2.5
Rated heated water output* (l/h)	183	367	650
Rated outlet water temperature* (°C)	75		
Maximum outlet water temperature (°C)	80		
Rated current* (Amp)	9.6	19	34.1
Power supply* (V/Ph/Hz)	380-415/3/50		
Rated power input* (kW)	5.1	10.0	17.9
Number of compressors	1	2	2
Refrigerant type	R134a		
Noise level at a 1meter distance (dB)	62	65	68
Water connection size (mm)	25	40	50
Cabinet material	Powder coated (Stainless steel on request)		
Dimensions (w x d x h)	810x810x995	1450x705x1375	1990x980x2045
Net weight (kg)	148	296	600
Heat exchange type	High efficiency tube-in-shell heat exchanger		
Fan discharging	Vertical		
Operating ambient temperature (°C)	-15 - 43		
Automatic defrost system	Yes		

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

Water inlet temperature of 15°C

All dimensions in mm, unless otherwise stated

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