


Qty.	Description
1	<b>TPED 80-170/4 S-A-F-A-BQQE-KDA</b>
	
	<p><b>Note! Product picture may differ from actual product</b></p>
	<p>Product No.: On request</p>
	<p>Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads.</p>
	<p>The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.</p>
	<p>Each power head is fitted with an unbalanced rubber bellows seal.</p>
	<p>The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).</p>
	<p>Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p>
	<p>The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.</p>
	<p>The pump is fitted with a differential pressure sensor.</p>
	<p>Controls:</p>
	<p>Frequency converter: Built-in</p>
	<p>Liquid:</p>
	<p>Pumped liquid: Water</p>
	<p>Liquid temperature range: -25 .. 120 °C</p>
	<p>Selected liquid temperature: 20 °C</p>
	<p>Density: 998.2 kg/m<sup>3</sup></p>
	<p>Technical:</p>
	<p>Pump speed on which pump data are based: 1455 rpm</p>
	<p>Rated flow: 53.8 m<sup>3</sup>/h</p>
	<p>Rated head: 14.4 m</p>
	<p>Actual impeller diameter: 219 mm</p>
	<p>Code for shaft seal: BQQE</p>
	<p>Curve tolerance: ISO9906:2012 3B2</p>
	<p>Materials:</p>
	<p>Pump housing: Cast iron EN-GJL-250 ASTM class 35</p>
	<p>Impeller: Cast iron EN-GJL-200 ASTM class 30</p>
	<p>Installation:</p>
	<p>Range of ambient temperature: -20 .. 50 °C</p>
	<p>Maximum operating pressure: 16 bar</p>
	<p>Max pressure at stated temp: 16 bar / 120 °C</p>
	<p>Type of connection: DIN</p>
	<p>Size of connection: DN 80</p>
	<p>Pressure rating for connection: PN 16</p>
	<p>Port-to-port length: 500 mm</p>
	<p>Flange size for motor: FF215</p>
	<p>Electrical data:</p>
	<p>Motor type: 112ME</p>
	<p>IE Efficiency class: IE5</p>

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1	<p>Rated power - P2: 4 kW  Mains frequency: 50 Hz  Rated voltage: 3 x 380-500 V  Rated current: 7.70-6.00 A  Cos phi - power factor: 0.92-0.87  Rated speed: 180-2200 rpm  Efficiency: 90.3%  Motor efficiency at full load: 90.3 %  Number of poles: 4  Enclosure class (IEC 34-5): IP55  Insulation class (IEC 85): F  Motor No: 98971266</p> <p>Others:  Minimum efficiency index, MEI ≥: 0.70  Net weight: 175 kg  Gross weight: 206 kg  Shipping volume: 1.14 m<sup>3</sup>  Country of origin: HU  Custom tariff no.: 84137065</p>



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Custom tariff no.:	84137065



