


Position	Qty.	Description
	1	<p>TPE3 D 65-180-S A-F-A-BQQE</p>  <p>Product No.: 98417353</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. 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. 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 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 combined temperature- and differential-pressure sensor.</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: -25 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³</p> <p>Technical: Speed for pump data: 4470 rpm Rated flow: 32.7 m³/h Rated head: 12.8 m Primary shaft seal: BQQE Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Pump housing: Cast iron Impeller: Composite PES/PP 30% GF</p> <p>Installation: Range of ambient temperature: -20 .. 50 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Flange standard: DIN Pipe connection: DN 65 Pressure rating: PN 16 Port-to-port length: 340 mm Flange size for motor: 56C</p> <p>Electrical data: Motor type: 90SB IE Efficiency class: IE5 Rated power - P2: 2 x 1.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 3,05-2,50 A</p>

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		<p>Cos phi - power factor: 0,90-0,83 Rated speed: 480-5900 rpm Efficiency: 89,1% Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F</p> <p>Others: Minimum efficiency index, MEI : 0.7 ErP status: EuP Standalone/Prod. Net weight: 58.6 kg Gross weight: 71.9 kg Shipping volume: 0.25 m³</p>