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1	<p data-bbox="199 159 558 190">TPE3 50-80 S-A-F-I-BQQE-DDB</p>  <p data-bbox="590 504 1061 533">Note! Product picture may differ from actual product</p> <p data-bbox="199 537 478 571">Product No.: On request</p> <p data-bbox="199 593 1404 683">Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. 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 data-bbox="199 683 1380 739">The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO 7005-2).</p> <p data-bbox="199 739 1452 795">The pump is fitted with a fan-cooled, permanent-magnet synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p> <p data-bbox="199 795 1396 851">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 data-bbox="199 851 1069 884">The pump is fitted with a combined temperature- and differential pressure sensor.</p> <p data-bbox="199 907 303 940">Controls:</p> <table data-bbox="199 940 638 974"> <tr> <td>Frequency converter:</td> <td>Built-in</td> </tr> </table> <p data-bbox="199 996 279 1030">Liquid:</p> <table data-bbox="199 1030 702 1153"> <tr> <td>Pumped liquid:</td> <td>Water</td> </tr> <tr> <td>Liquid temperature range:</td> <td>-25 .. 120 °C</td> </tr> <tr> <td>Selected liquid temperature:</td> <td>20 °C</td> </tr> <tr> <td>Density:</td> <td>998.2 kg/m³</td> </tr> </table> <p data-bbox="199 1176 319 1209">Technical:</p> <table data-bbox="199 1209 821 1388"> <tr> <td>Pump speed on which pump data are based:</td> <td>3000 rpm</td> </tr> <tr> <td>Rated flow:</td> <td>18 m³/h</td> </tr> <tr> <td>Rated head:</td> <td>5.8 m</td> </tr> <tr> <td>Actual impeller diameter:</td> <td>74 mm</td> </tr> <tr> <td>Code for shaft seal:</td> <td>BQQE</td> </tr> <tr> <td>Curve tolerance:</td> <td>ISO9906:2012 3B2</td> </tr> </table> <p data-bbox="199 1411 311 1444">Materials:</p> <table data-bbox="199 1444 726 1601"> <tr> <td>Pump housing:</td> <td>Stainless steel EN 1.4308 ASTM CF8</td> </tr> <tr> <td>Impeller:</td> <td>Composite PES+30% GF</td> </tr> </table> <p data-bbox="199 1624 327 1657">Installation:</p> <table data-bbox="199 1657 734 1892"> <tr> <td>Range of ambient temperature:</td> <td>-20 .. 50 °C</td> </tr> <tr> <td>Maximum operating pressure:</td> <td>10 bar</td> </tr> <tr> <td>Max pressure at stated temp:</td> <td>10 bar / 120 °C</td> </tr> <tr> <td>Type of connection:</td> <td>DIN</td> </tr> <tr> <td>Size of connection:</td> <td>DN 50</td> </tr> <tr> <td>Pressure rating for connection:</td> <td>PN 6/10</td> </tr> <tr> <td>Port-to-port length:</td> <td>280 mm</td> </tr> <tr> <td>Flange size for motor:</td> <td>56C</td> </tr> </table> <p data-bbox="199 1915 367 1948">Electrical data:</p> <table data-bbox="199 1948 718 2105"> <tr> <td>Motor type:</td> <td>71A</td> </tr> <tr> <td>IE Efficiency class:</td> <td>IE5</td> </tr> <tr> <td>Rated power - P2:</td> <td>0.37 kW</td> </tr> <tr> <td>Mains frequency:</td> <td>50 / 60 Hz</td> </tr> <tr> <td>Rated voltage:</td> <td>3 x 380-500 V</td> </tr> </table>	Frequency converter:	Built-in	Pumped liquid:	Water	Liquid temperature range:	-25 .. 120 °C	Selected liquid temperature:	20 °C	Density:	998.2 kg/m ³	Pump speed on which pump data are based:	3000 rpm	Rated flow:	18 m ³ /h	Rated head:	5.8 m	Actual impeller diameter:	74 mm	Code for shaft seal:	BQQE	Curve tolerance:	ISO9906:2012 3B2	Pump housing:	Stainless steel EN 1.4308 ASTM CF8	Impeller:	Composite PES+30% GF	Range of ambient temperature:	-20 .. 50 °C	Maximum operating pressure:	10 bar	Max pressure at stated temp:	10 bar / 120 °C	Type of connection:	DIN	Size of connection:	DN 50	Pressure rating for connection:	PN 6/10	Port-to-port length:	280 mm	Flange size for motor:	56C	Motor type:	71A	IE Efficiency class:	IE5	Rated power - P2:	0.37 kW	Mains frequency:	50 / 60 Hz	Rated voltage:	3 x 380-500 V
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1	<p>Rated current: 1.05-1.00 A Cos phi - power factor: 0.68-0.54 Rated speed: 360-4000 rpm Efficiency: 84.5% Motor efficiency at full load: 84.5 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137998</p> <p>Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 26.6 kg Gross weight: 33.8 kg Shipping volume: 0.104 m³ Danish VVS No.: 382152080 Finnish LVI No.: 4616331 Country of origin: HU Custom tariff no.: 84137051</p>

Description	Value
Country of origin:	HU
Custom tariff no.:	84137051

