

SPECIFICATIONS	Model	80SFQ27.5							
		SFQ-series							
		7.5kW, 3-phase							
<p><b>Type of Pump</b> Submersible 316 stainless steel casting corrosion-resistant pump suitable for pumping aggressive or corrosive liquids</p> <p><b>Type of Fluid</b> Wastewater and water with corrosive nature</p> <p>Temperature: 0 to 40°C (High temperature model available on special request)</p> <p><b>Discharge Bore &amp; Connection</b> 80mm, Threaded JIS 10kg/cm<sup>2</sup> Flange</p> <p><b>Motor Output</b> 7.5kW</p> <p><b>Power Supply</b> Three-phase</p> <p><b>Starting Method</b> Direct on Line (Star-Delta available on special request)</p> <p><b>Motor</b> Continuous-duty rated, dry-type induction motor</p> <p>Insulation Class: F Degree of Protection: IP68</p> <p>No. of Poles &amp; Speed (Synchronous Speed) 2-pole, 3000/3600min<sup>-1</sup> (50/60Hz)</p> <p>Power Supply Voltages &amp; Rated Currents</p> <table border="0"> <tr> <td>50Hz</td> <td>60Hz</td> </tr> <tr> <td>380V – 14.8A</td> <td>220V – 24.6A</td> </tr> <tr> <td>400V – 14.3A</td> <td>380V – 14.1A</td> </tr> <tr> <td>415V – 14.2A</td> <td>440V – 12.3A</td> </tr> </table> <p><b>Power Cable</b> Sheath: Chloroprene rubber Standard Length: 8m 200 to 600V supply: 1 × 4 × 5.5mm<sup>2</sup>, O.D. 16.8mm</p> <p><b>Dry Weight</b> (excluding cable) Free Standing Type: 128kg Guide Rail Fitting Type: 117kg</p>	50Hz	60Hz	380V – 14.8A	220V – 24.6A	400V – 14.3A	380V – 14.1A	415V – 14.2A	440V – 12.3A	<p><b>Impeller</b> Semi-open multi-vane impeller made of 316 stainless steel casting, dynamically balanced</p> <p>Solids Passage 50Hz – <math>\phi</math>23mm 60Hz – <math>\phi</math>20mm</p> <p><b>Cable Entry with Anti-Wicking Block</b> Watertight cable entry with strain-relief device. The anti-wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.</p> <p><b>Bearing</b> Permanently lubricated, deep-groove, double-shielded C3 ball bearings</p> <p><b>Shaft</b> 316 stainless steel</p> <p><b>Shaft Seal (Mechanical Seal)</b> Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.</p> <p>Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC</p> <p><b>Oil Seal (Lip Seal)</b> Used as a “Dust Seal”, it protects the mechanical seal from abrasive particles.</p> <p><b>Pressure Relief Port</b> Protects the mechanical seal against excessive pressure, and also protects the seal faces from abrasive particles by drawing the particles away.</p> <p><b>OIL LIFTER</b> Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.</p> <p>Type of Lubricating Oil &amp; Volume Turbine Oil (ISO VG32), 2250ml</p> <p><b>Motor Protection Device</b> A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.</p> <p><b>Rubber Parts</b> Rubber parts of the mechanical seal, oil seal, O-ring and packings are made of FPM (FKM) which provides higher resistance to heat and chemicals.</p>
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<p><b>Optional Accessory</b></p> <p><b>External Leakage Sensor</b> (Electrode)</p>									