

SPECIFICATIONS	Model	KTVE21.5	KTVE-series							
			1.5kW, 3-phase							
<p><b>Type of Pump</b> Submersible automatic drainage pump for construction and foundation works, floodwater drainage, etc.</p> <p><b>Automatic Control Device</b> Electrode</p> <p><b>Die-casted Aluminium Alloy Body &amp; Wear-resistant Synthetic Rubber</b> Provide a great advantage in terms of portability. The pump body is made of die-casted aluminium alloy. The sleeves that protect the pump casing, oil casing and water passages are made of synthetic rubber, thus eliminating worries about durability and wear.</p> <p><b>Type of Fluid</b> Stormwater, groundwater, wash water, and sand-carrying water</p> <p>Temperature: 0 to 40°C</p> <p><b>Discharge Bore &amp; Connection</b> 50mm, Hose Coupling (80mm discharge bore available on special request)</p> <p><b>Motor Output</b> 1.5kW</p> <p><b>Power Supply</b> Three-phase</p> <p><b>Starting Method</b> Direct on Line</p> <p><b>Motor</b> Continuous-duty rated, dry-type induction motor</p> <p>Insulation Class: E 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><tr><td>50Hz</td><td>60Hz</td></tr><tr><td>380V – 3.4A</td><td>220V – 5.6A</td></tr><tr><td>400V – 3.3A</td><td>380V – 3.3A</td></tr><tr><td>415V – 3.2A</td><td>440V – 2.8A</td></tr></table> <p><b>Power Cable</b> Sheath: PVC Standard Length: 8m 200 to 600V supply: 1 x 4 x 1.25mm<sup>2</sup>, O.D. 11.1mm</p> <p><b>Dry Weight</b> (excluding cable) 21.5kg</p>		50Hz	60Hz	380V – 3.4A	220V – 5.6A	400V – 3.3A	380V – 3.3A	415V – 3.2A	440V – 2.8A	<p><b>Impeller</b> Vortex impeller deigned for “high-gap structure”, made of ductile cast iron</p> <p>Solids Passage 50Hz – ϕ8.5mm 60Hz – ϕ8.5mm</p> <p><b>Protection Plate</b> Made of 304 stainless steel, protect the oil casing made of aluminium alloy die casting from abrasive particles.</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> 403 stainless steel</p> <p><b>Shaft Seal</b> (Mechanical Seal) 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>V-Ring</b> Used as a “Dust Seal”, it protects the mechanical seal from abrasive particles.</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), 270ml</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>
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<p><b>Optional Accessories</b></p> <p><b>Male Threaded Coupling</b> <b>Extension Probe</b></p>										
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