

## Specification text - Submersible Mixer TR 215 - 325

Item	Description	Unit price	Quantity	Total price
1	<p>Submersible Mixer  Manufacturer:  Type-Submersible Mixer:  Type-Motor:  The machines are to be designed as water tight block unit for wet sump installation. Drive as squirrel cage induction motor for three phase A.C. protected against dry running according to DIN/VDE 0530. Cable entry with protective rubber sleeve and traction relief. The outer cable sheathing, the individual cable cores and the conductor without insulation are individually sealed by a sealing compound as protection against liquids. The thermal control of the motor is done by bi-metallic thermistors.  Protection type:  Insulation class:  Voltage: V  Frequency: Hz  Rated motor power: kW  Motor speed: r.p.m.  Type of starting:  Operation type:  Electrical connection:  type:  length: m  cross section: mm  Casing material:</p> <p>The gear is designed as inherently stable casing with separate gear chamber and prechamber. All bearings are included in the casing. Bearings and gear wheels are running in an oil bath. Firm toothed wheels offhighly wear resistant, alloy steel. Very smooth operation. The 2-stage planetary gear permits the easy replacement of a planet stage.  Casing material:</p> <p>The prechamber serves for receiving the leakages of the mechanical shaft seal. It is integrated in the gear casing and separated from the gear chamber by a radial seal. Oil filling ex works. Another sealing chamber is located between gear and motor.  Material:</p> <p>Bearings: maintenance-free roller bearings. Calculated bearing life &gt;100.000 h.</p> <p>At the liquid side the sealing is done by a mechanical shaft seal completely made of silicon carbide and a second mechanical shaft seal between gear chamber and the motor side sealing chamber. Moreover radial seals made of NBR are installed. Shaft and connection elements made of stainless steel</p> <p>Propeller with non-clogging, self-cleaning blades with backward bent leading edge made of plastic material reinforced by glass fibre. Designed as airfoil section. The propeller blades are fixed at a hub of GGG40 by flanged connection  Number of blades: pcs  Propeller diameter: mm  Propeller speed: r.p.m.</p>			

