

# **CANNED MOTOR CENTRIFUGAL PUMPS**

Sr.No.	Technical Specifications Data Sheet	Qty
01	<p>❖ <b><u>Operating Conditions:</u></b></p> <ul style="list-style-type: none"> <li>▪ Liquid: 6 Molar HNO<sub>3</sub> Solution with Density of 1200 kg/m<sup>3</sup></li> <li>▪ Operating Temperature: 30 °C</li> <li>▪ Net Positive Suction Head Required (NPSH Req.) = 2.0 m</li> <li>▪ Operation: Continuous Duty</li> </ul> <p>❖ <b><u>Operating Range:</u></b></p> <ul style="list-style-type: none"> <li>▪ Differential Head: 20 m</li> <li>▪ Capacity: 2.5 m<sup>3</sup>/h</li> </ul> <p>❖ <b><u>Motor Data:</u></b></p> <ul style="list-style-type: none"> <li>▪ Appropriate sized motor operated by 3-Phase, 380 V and 50 Hz Power supply, Explosion Proof, IP65 protected</li> </ul> <p>❖ <b><u>Mounting:</u></b></p> <ul style="list-style-type: none"> <li>▪ Case Foot Mounted Horizontal Type</li> </ul> <p>❖ <b><u>Materials:</u></b></p> <ul style="list-style-type: none"> <li>▪ Casing: SS 316L, Impeller: SS 316L, Pump Shaft: SS 316L,</li> <li>▪ Rotor Can: SS 316L, Stator Can: SS 316L/Hast. Cd</li> <li>▪ Slide Bearing: SS 316L, Gasket: PTFE</li> <li>▪ Suction and Discharge Flanged: SS 316L</li> </ul> <p>(SS 316L mean ASTM SA 312/A 312M 316L)</p> <p>❖ <b><u>End Connections:</u></b></p> <ul style="list-style-type: none"> <li>▪ Suction: Flanged RF ND 40 (ANSI 300)</li> <li>▪ Discharge: Flanged RF ND 25 (ANSI 300)</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ Accessories and spares for five years trouble free operation must be Quoted separately</li> <li>➤ Performance curves must be provided by the manufacturer compatible with the pumps</li> <li>➤ European, American and Japanese model will be preferred</li> <li>➤ All documents e.g. operation, maintenance and support manuals must be provided in English language</li> </ul> <p><b>Prices should be quoted on C&amp;F (Karachi) basis.</b></p>	10 Nos