

.....6.... of NEMO PUMP TYPE

NM045BY02S12B



**OPERATING PARAMETERS**

Fluid	<b>Dreg</b>
Pumping Medium Temperature (°C)	<b>20 deg C</b>
Specific Gravity ( kg/m3)	<b>1</b>
Solids Size ( mm)	<b>N.A</b>
Solids ( %)	<b>N.A</b>
Viscosity at Pumping Temperature (Cps)	<b>Assumed 500</b>
PH	<b>Assumed Neutral</b>
NPSH Available (MWC)	
Suction Conditon / Head (Bar)	<b>Flooded</b>
Discharge Pressure (Bar)	<b>2</b>

**PUMP PARAMETERS**

Flow (Cu.m/ Hr.)	<b>5.4</b>
Speed ( Pump / Motor)	<b>284</b>
Shaft Power (KW)	<b>1.2</b>
Rated Power (KW)	<b>3</b>
NPSH Required	
Direction of Rotation (View from D End)	<b>CCW</b>

**Material OF Construction**

Bearing Housing	<b>Cast Iron</b>
Pump Body / Wettable Parts	<b>Stainless Steel 304</b>
Body Seals	<b>EPDM</b>
Rotating Parts	<b>Stainless Steel 304</b>
Rotor	<b>SS304 vcp</b>
Stator	<b>EPBPF Etylene Propylene</b>
Joints	<b>Pin Joint</b>
Shaft Seal	<b>Stuffing box</b>
Suction Flange (Size/ Rating /Location)	<b>DN80, PN16</b>
Discharge Flange ( Size/ Rating/ Location)	<b>DN80, PN16</b>
Base Plate	<b>Mild Steel</b>

**MOTOR:**

Make	<b>Nord</b>
Type	<b>Helical gear</b>
Model	<b>SK25-100L/40</b>
Power ( KW)	<b>3</b>
Voltage	<b>415V/3Ph/50Hz</b>
Thermistors (Yes/ No)	<b>Yes</b>
Mounting	<b>B5</b>
Protection Class	<b>IP55</b>
Lubricating Oil (In case of Geared Motor)	<b>Mineral Oil</b>