



.....1..... of NEMO PUMP TYPE

NLP011BY02S12B

**Phosphoric Acid**

**OPERATING PARAMETERS**

Fluid	<b>Phosphoric Acid</b>
Pumping Temperature (°C)	<b>25</b>
Specific Gravity ( kg/m <sup>3</sup> )	<b>1610</b>
Solids Size ( mm)	<b>N.A</b>
Solids ( %)	<b>N.A</b>
Viscosity ( mPas)	<b>Assumed Flowable</b>
PH	<b>Acidic</b>
NPSH Available (MWC)	
Suction Conditon / Head (Bar)	<b>Flooded</b>
Discharge Pressure (Bar)	<b>2</b>

**PUMP PARAMETERS**

Flow (LPH)	60
Speed ( Pump / Motor)	424
Shaft Power (KW)	0.05
Rated Power (KW)	0.37
NPSH Required	
Direction of Rotation (View from D End)	CCW

**Material OF Construction**

Base Plate	Stainless steel 304
Pump Body / Wettable Parts	Stainless steel 316
Body Seals	EPDM
Rotating Parts	Stainless steel 316
Rotor	SS316
Stator	EP Etylene Propylene
Joints	Pin Joint
Shaft Seal	MG1-G60 Q2Q2VGG
Suction Flange (Size/ Rating /Location)	G11/4" Internal threaded
Discharge Flange ( Size/ Rating/ Location)	G11/4" Internal threaded

**MOTOR:**

Make	Nord
Type	Helical gear
Model	SK01F-AL-71L/4
Power ( KW)	0.37
Voltage	415V/3Ph/50Hz
Thermistors (Yes/ No)	Yes
Mounting	B5
Protection Class	IP55
Lubricating Oil (In case of Geared Motor)	Synthetic Oil