

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

NM090BY02S12B



**OPERATING PARAMETERS**

Fluid	<b>Sugar Syrup</b>
Pumping Medium Temperature (°C)	<b>70</b>
Specific Gravity ( kg/m <sup>3</sup> )	<b>Assumed 1100</b>
Solids Size ( mm)	<b>N.A</b>
Solids ( %)	<b>N.A</b>
Viscosity at Pumping Temperature (Cps)	<b>90 Brix EqvInt to Molasses 50000 Cps</b>
PH	<b>Assumed Neutral</b>
NPSH Available (MWC)	
Suction Conditon / Head (Bar)	<b>Flooded</b>
Discharge Pressure (Bar)	<b>4</b>

**PUMP PARAMETERS**

Flow (Cu.m/ Hr.)	10
Speed ( Pump / Motor)	80
Shaft Power (KW)	6.5
Rated Power (KW)	15
NPSH Required	
Direction of Rotation (View from D End)	CCW

**Material OF Construction**

Bearing Housing	Cast Iron
Pump Body / Wettable Parts	Grey Cast Iron
Body Seals	NBR
Rotating Parts	Cr-Steel
Rotor	Hardened tool steel
Stator	CB Buna N
Joints	Pin Joint
Shaft Seal	Stuffing box
Suction Flange (Size/ Rating /Location)	DN150, PN16
Discharge Flange ( Size/ Rating/ Location)	DN150, PN16
Base Plate	Mild Steel

**MOTOR:**

Make	Nord
Type	Helical gear
Model	SK52F-VL-160L/4
Power ( KW)	15
Voltage	415V/3Ph/50Hz
Thermistors (Yes/ No)	Yes
Mounting	B5
Protection Class	IP55
Lubricating Oil (In case of Geared Motor)	Synthetic Oil