I Application

The compact and robust design of the Kiber NTE pump makes it ideal for transferring whole or destemmed grapes. And due to its design it can be installed right under the destemmer. It also can be used for the process of devatting.

I Operating principle

Friction between the rotor and the stator creates vacuum in the inlet area thereby helping the entry of the product into the pump. The turning motion of the rotor makes the cavities between the rotor and the stator move forward and transport the product to the outlet.

I Design and features

Highly versatile.
Easy to clean.
Hopper with drain.
Robust construction.
Helical-bevel gear unit.
Pump mounted on cart.
EC electric panel with ON/OFF switch, inverter and emergency stop push button.
Wheels with brake.
Red painted RAl3003.

I Motor and gear unit

Helical-bevel gear unit and triphasic induction motor 4 poles=1500/1750 rpm, efficiency class according to EC regulation, IP 55 protection and F-class insulation.
3 phases, 50 Hz, 400 V Δ / 690 V Y

I Options

Pump without handle and without control panel.
Liquid detector: Max / Min.
Remote control.
Electromagnetic brake in motor.
St.St. control panel.
Frequency converter.
Other connections.

I Technical specifications

Materials:
Parts in contact with the product  AISI 316L (1.4404)
Other steel parts  AISI 304 (1.4301)
Lantern  Carbon steel
Stator  NBR (specific composition for this application)
Sealing  PTFE packing
I Technical specifications

Surface finish: Blasted

Connections: Spherical coupling

Operating limits:
- Maximum flow: 60 m³/h, 264 US GPM
- Maximum working pressure: 6 bar, 87 PSI
- Maximum working temperature: 85 ºC, 185 ºF

<table>
<thead>
<tr>
<th>Type</th>
<th>Flow* [m³/h]</th>
<th>Speed [rpm]</th>
<th>Power [kW]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTE-80</td>
<td>20/25</td>
<td>210</td>
<td>5.5</td>
<td>295</td>
</tr>
<tr>
<td>NTE-90</td>
<td>28/36</td>
<td>210</td>
<td>7.5</td>
<td>320</td>
</tr>
<tr>
<td>NTE-100</td>
<td>40/50</td>
<td>210</td>
<td>7.5</td>
<td>345</td>
</tr>
</tbody>
</table>

* Nominal flow for destemmed grapes at 2 - 4 bar

I Dimensions

Type NTE-80: DN 120, A 2150, A1 790, B 955, D 850, E 950, G 950, H 475, H2 180
Type NTE-90: DN 120, A 2210, A1 790, B 1015, D 850, E 950, G 950, H 475, H2 170
Type NTE-100: DN 150, A 2255, A1 790, B 1060, D 850, E 950, G 950, H 475, H2 165

Hopper dimensions:
- B1 880, C1 930, D1 350, E1 90, F1 245, G1 97.5, I1 45, J1 40, K1 11