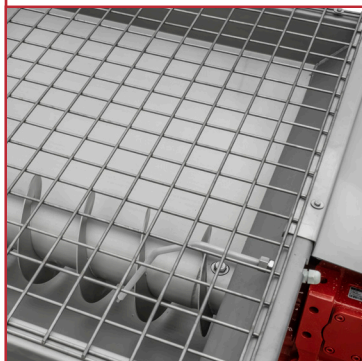


I Application

The helicoidal pump KIBER KTE is a progressive cavity pump with a hopper and endless screw feeder, compact and robust design used for decanting the viscous products, masses, pastes and liquids with solids in suspension. Its main application is for transferring whole or destemmed grapes and its design allows to install it right under the destemming machine. It also can be used for red wine devatting.



I Operating principle

Friction between the rotor and the stator creates a 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

To improve solids particles pass towards its inner with the best possible deal and to avoid its break, each endless screw has a big diameter and a specific design for each model pump. The hoppers have a safety grid, drainage and a minimum level resistive sensor to stop the pump in the event there is not product in its inner and to avoid the running dry. The pumps are supplied mounted on stainless steel trolley with swivel wheels with brake. Also, an ergonomic handle prepared to mount an electrical panel is included.

I Motor

Endless screw gear and triphasic induction motor with B5 flange and 4 poles = 1500/1750 rpm, efficiency class according to EC regulation, IP 55 protection and F-class insulation.
 3 phases, 50 Hz, 230 V Δ / 400 V Y, ≤ 4 kW
 3 phases, 50 Hz, 400 V Δ / 690 V Y, ≥ 5,5 kW

I Options

- Plastic or stainless steel electrical panel
- Remote control
- Frequency converter
- Other connections

I Technical Specifications

| | |
|-----------------------------------|--|
| Materials: | |
| Parts in contact with the product | 1.4301 (AISI 304) |
| Stator | NBR (with a lower hardness to better treat the solids in suspension) |
| Sealing | NBR double seal |



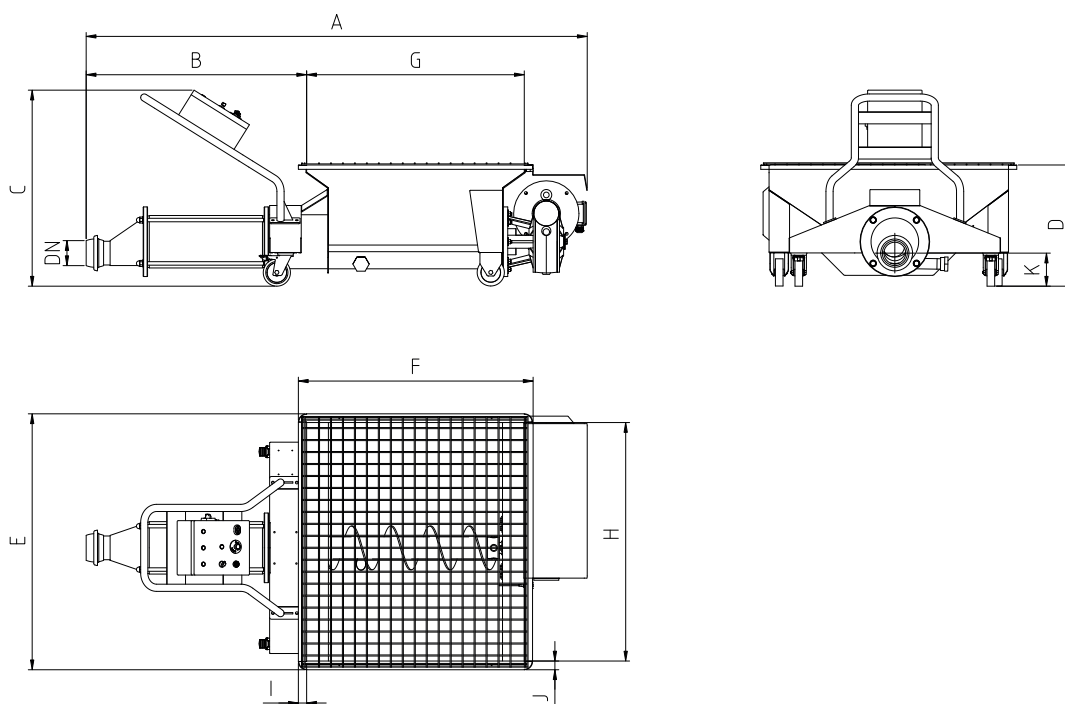
I Technical Specifications

| | | |
|-----------------------------|----------------------|------------|
| Surface finish | Matt | |
| Connections | Spherical coupling | |
| Operating limits: | | |
| Maximum flow | 60 m ³ /h | 264 US GPM |
| Maximum working pressure | 6 bar | 87 PSI |
| Maximum working temperature | 85 °C | 185 °F |

| Type | Flow ¹ [Tn/h] | Speed [rpm] | Power [kW] | Weight [kg] |
|---------|-----------------------------|----------------|---------------|----------------|
| KTE-60 | 10/12 | 200 | 3,0 | 150 |
| KTE-80 | 20/25 | 200 | 5,5 | 200 |
| KTE-90 | 30/40 | 200 | 7,5 | 280 |
| KTE-100 | 45/55 | 200 | 9,2 | 400 |

1) Nominal flow for destemmed grapes at 2-4 bar

I Dimensions



01.624.32.0021

| Type | DN | A | B | C | D | E | F | G | H | I | J | K |
|---------|-----|------|------|-----|-----|------|------|------|------|----|----|-----|
| KTE-60 | 100 | 1685 | 718 | 830 | 428 | 880 | 780 | 700 | 796 | 40 | 42 | 151 |
| KTE-80 | 100 | 2032 | 907 | 848 | 461 | 980 | 924 | 840 | 900 | 42 | 40 | 144 |
| KTE-90 | 120 | 2113 | 962 | 853 | 466 | 980 | 916 | 840 | 900 | 38 | 40 | 169 |
| KTE-100 | 120 | 2280 | 1013 | 901 | 557 | 1176 | 1076 | 1000 | 1096 | 38 | 40 | 160 |

