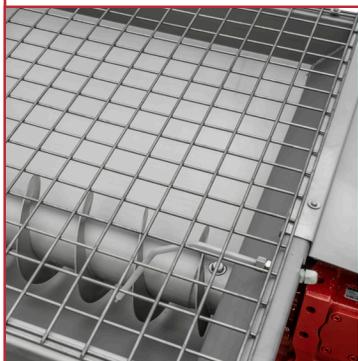


I Application

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



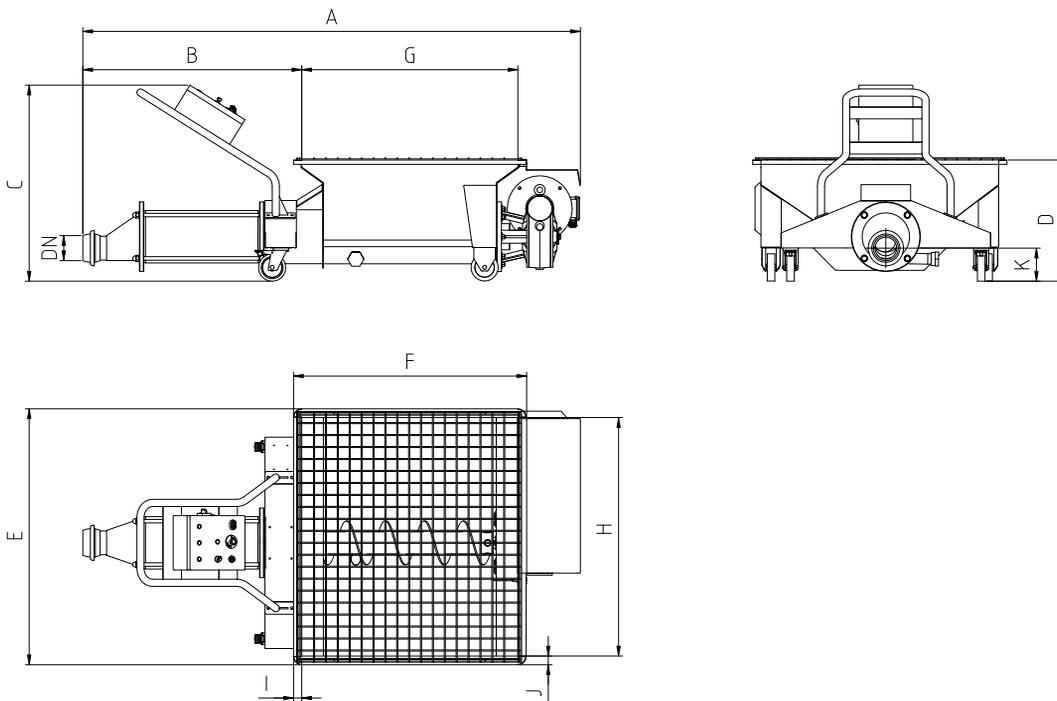
I Technical Specifications

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

