



TKS Kuhn FeedMixer

FeedMixer for most conditions



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In partnership with Kuhn, TKS has developed a robust and reliable solution for stationary mixing.

TKS Kuhn FeedMixer has been specially designed to give the best mixing result in the shortest possible time with the lowest possible power consumption. It is therefore ideal for mixing full feed. Mixing full feed involves mixing feed types of very different consistency and character, so it is important that finer ingredients and smaller quantities are mixed in quickly before the structure of the feed is damaged. To achieve the best possible result when mixing full feed, more time and involvement is required than is the case with “traditional” feeding methods. When mixing full feed, the quantities of the individual feed types must be the same each time mixing is performed if composition and consistency are to remain uniform – otherwise feed intake and production will be affected.

FeedMixer is also ideal for cutting and mixing round feed/bales of all types. With its powerful motor and screw design, you will quickly obtain a loose and homogeneous material that can be easily dispensed from all types of feed carts or wagons. FeedMixer has one of the best time/efficiency ratios on the market.

TKS Kuhn FeedMixer has vertical screws that produce a fine material in which the structure of the feed is retained. Particularly when it comes to silage with low dry matter content, the vertical mixing system will prevent wet clumping of the feed – something that often happens on other mixing systems and which leads to reduced feed intake.

TKS Kuhn FeedMixer can be used in combination with all types of feed dispensing sources, such as TKS K2 FeedRobot, TKS FeedBelt, TKS EasyFeed etc.

Technical functions

All functions are electrically operated. The bedknives are automatically inserted when mixing starts and retracted on emptying. Where the mixer has to dispense feed in portions several times a day, the hatch is closed between each operation.

The automatic system also ensures that start-up of a full cart or wagon is made easier by the fact that the screws are first reversed a ¼ turn.

These functions can be deactivated if necessary.





Control

Our electrical operating system takes control of all functions. It is also configured to control two conveyor belts and receive signals from a feed dispensing unit. FeedMixer can also be programmed to emit a start signal to a feed dispensing unit and then meter out a programmed quantity. TKS Kuhn FeedMixer is equipped with powerful motors (22–45kW) so that short and effective mixing times can be achieved under all conditions. The mixing motor is controlled by frequency inverter, enabling a soft start-up and stop.

TKS FeedMixer can also be controlled via mobile phone/tablet. Then a single person can control the mixer without being physically present, but remember safety!



Power program

A program we have developed in-house for the inverter allows the power requirement for the motor to be regulated. This means you can easily adjust the frequency inverter so that the motor does not draw more power from the mains than is available. Even if the mixer is equipped with e.g. a 30kW motor, the program can be set so that it only draws 20kW.

The frequency inverter will also regulate the speed of the screws to match the load: at high loads speed is reduced, and vice-versa.

Measuring power consumption

The controller also includes measurement of power consumption, so you can easily keep an eye on what it costs to use the mixer for a day, a week or a month, for instance.

Cleaning functions

Når vektene registrerer at FeedMixer nesten er tom (under tømning) økes rotasjonshastigheten for å rengjøre skruene og kaste ut resten av fôret, slik at ikke gamle fôrrester påvirker neste blanding.

Location of the hatch on FeedMixer

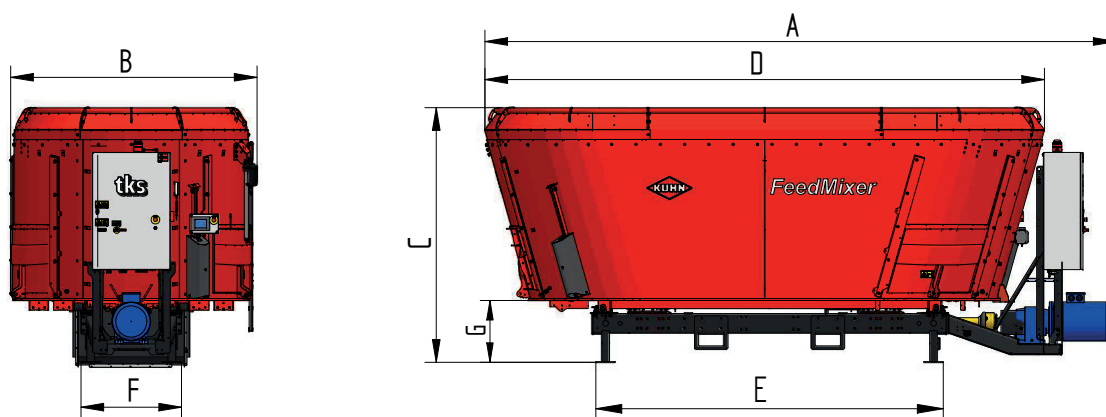
TKS Kuhn FeedMixer comes supplied as standard with three hatches. When ordering you must state which hatch you intend to use. The motor can be located at either end (except on machines with an end door). Additional hatches are available.



Benefits

- Prescription feeding
 - The machine can mix according to the pre-set recipe
 - Retrieves up to (12) different types of feed and mixes
 - Can make up to 24 recipes
 - Stainless screw (15mm) and stainless wear plates are standard on 2 screw mixers
 - Stainless screw and stainless wear plate are extra equipment on 1-screw mixers
 - Material thickness container 8mm, bottom 20mm
- Stated M³ is calculated e.g. screw volume
- Frequency inverter:
 - Choose from three mixing speeds
 - Can be adjusted to use only the power available
 - Displays power consumption per mixing operation, per day and overall
 - Emptying function increases screw speed when FeedMixer is almost empty
- Choose sizes from 8 til 27m³, but can be delivered up to 45m² on request
- From 22kW to 45kW
- Internal top ring prevents feed spilling over the edge during mixing
- No hydraulics, only electrically operated functions
- Easy-to-read display
- Easily adapted to other feed systems; FeedMixer can emit a start signal to the feed dispensing unit
- Motor and automation system fitted by TKS





| Model | Size in m ³ | Length mm A | Width mm B | Height mm C | Length Mixing hopper D | Length w/legs E | Width w/legs F | Height under Mixing hopper G | Weight Kg | Motor kW * |
|---------|------------------------|-------------|------------|-------------|------------------------|-----------------|----------------|------------------------------|-----------|------------|
| 8.1 DS | 8 | 4350 | 2350 | 2410 | 3240 | 1600 | 1035 | 687 | 3000 | 22 |
| 10.1 DS | 10 | 4350 | 2350 | 2760 | 3240 | 1600 | 1035 | 687 | 3100 | 30 |
| 12.1 DS | 12 | 4350 | 2350 | 3010 | 3240 | 1600 | 1035 | 687 | 3300 | 30 |
| 18.2 DL | 18 | 6620 | 2550 | 2330 | 5710 | 3575 | 1035 | 634 | 6200 | 37 |
| 22.2 DL | 22 | 6620 | 2550 | 2620 | 5760 | 3575 | 1035 | 634 | 6400 | 37 |
| 25.2 DL | 25 | 6620 | 2550 | 2890 | 5920 | 3575 | 1035 | 634 | 6600 | 37 |
| 27.2 DL | 27 | 6620 | 2550 | 3020 | 5990 | 3575 | 1035 | 634 | 6800 | 45 |

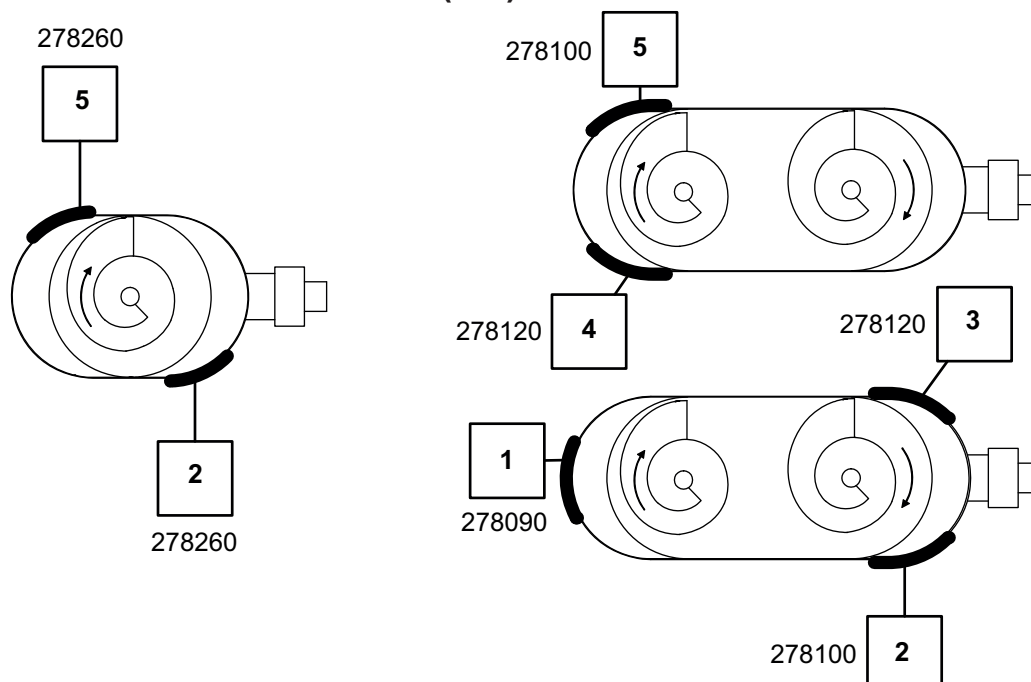
Motor kW *

| | |
|----|---|
| 1) | 22kW - 37kW are delivered in 230V or 400V |
| 2) | 45kW is only delivered in 400V |
| 3) | Other sizes can be supplied on request |

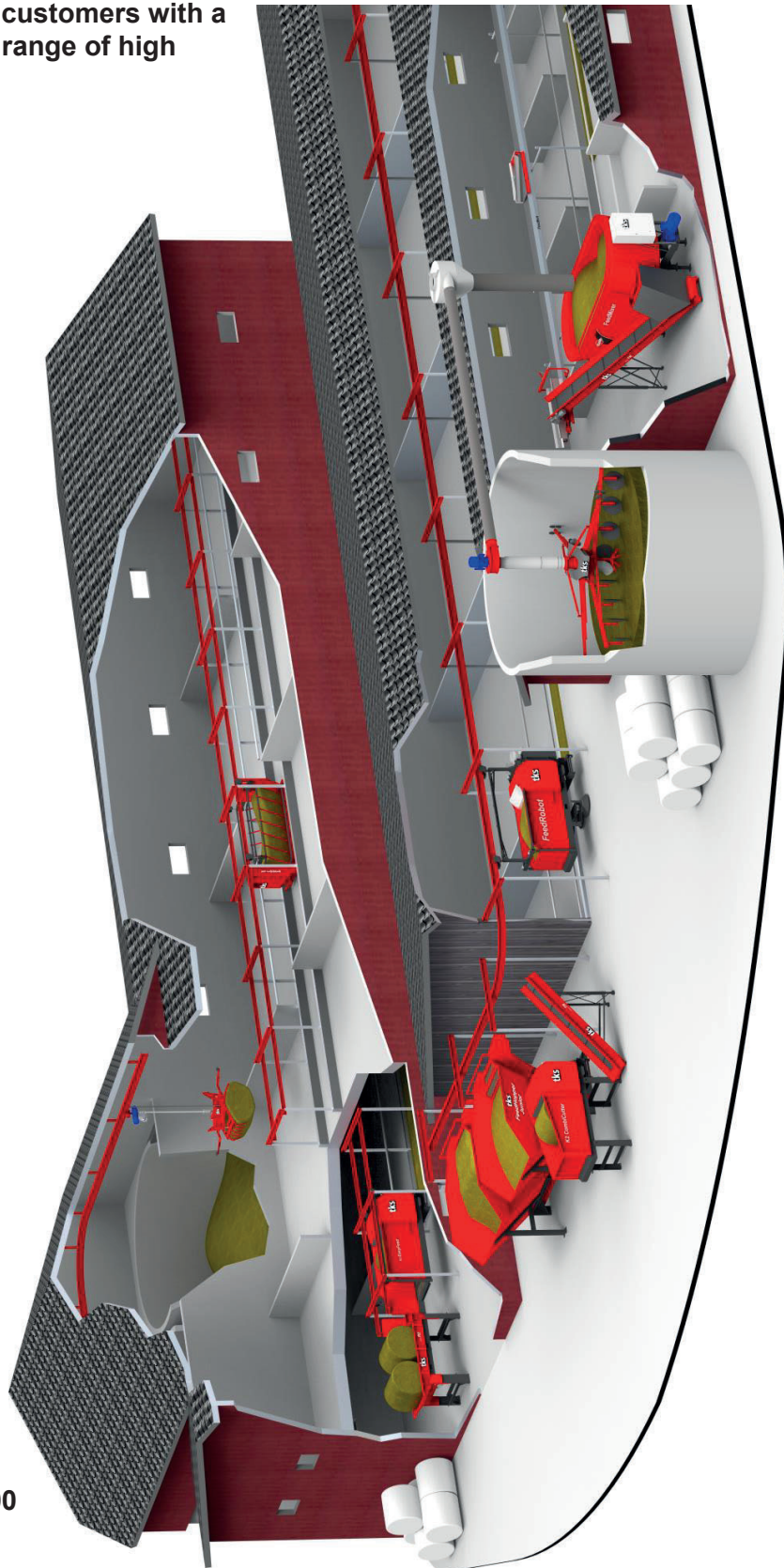
NB!

When using the Conveyor TR together with the FeedMixer must 40cm be added to the height measurement in column C.

Hatch-location 1 DS and 2 DL (1-5)



TKS is a family owned company with a strong brand name. We are providing our customers with a unique and complete range of high quality products.



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