



4 YEARS

"Produce your own feed, make profit"



KOCAMAZ
MAKİNA SANAYİ A.Ş.



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4 YEARS

New Generation
Feed Preparation Machineries



Founded in 1978, KOCAMAZ Machinery has become a well-known brand in Turkey with its extensive dealer network and the end users it has achieved worldwide. After the investments made on R&D and product developments, it has expanded its product portfolio to address 3 different sectors.

Today, in the new production plant with 3.000 m² open area and 3.000 m² closed area, KOCAMAZ continues to its production of machineries and turn-key projects special to the processes with various production advantages, and serves to "olive oil, agriculture and animal husbandry and furniture" industries in accordance with the international conformities.



R&D

The primary mission of the R&D Department is to research every single detail and show its creativity by swiftly adapting to changing technology with years of experience and knowledge. With this understanding, R&D experts design machineries which provide maximum benefit in accordance with customer demands and needs.

KOCAMAZ has capability to customize its machineries and implement original designs according to customers request.

Because the importance given to R&D is the greatest indicator of the desire of "KOCAMAZ" brand to exist in the future.

QUALITY CONTROL

Achieving the standard quality of the manufactured products results from the coordinated work of the manufacturing and quality team. Experts who adopt quality as a principle represent the sense of quality of KOCAMAZ brand along with the cutting-edge technology.

AFTER-SALE SERVICE

After-sale service is based on immediately meeting the customer's needs on demand and proving maximum benefit for the customers through KOCAMAZ Machinery itself or its dealers.

Our Assembly Team conduct the installation of the system on site of the customer's plant and provide a professional after sales service. We never leave our customers in need. We offer aid at every stage of operation of our systems. We personally install and start our systems in places indicated by the customer. We perform the system start-up with the customer and initial tests at the spot and we provide trainings for the employees indicated by the customer.

Every and all parts of the products are under KOCAMAZ warranty coverage. (against any defect that may occur during production, assembly and/or defective parts) We are always ready, during the warranty period or after it, to assist the customer with our help in everyday operation of the system, as well as periodical inspections and repairs.





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ECONOMIC TYPE MINI PELLETTED FEED PLANT



MINI PELLETTED FEED PLANT TECHNICAL SPECIFICATIONS

WEIGHING AND FEED LOADING UNIT

Feeding Bunker Capacity	250-500 kg
Weighing Capacity	1000 kg
Weighing Panel	Digital
Helix Motor Power	1,5 hp, 250 rpm, 380 V
Weight	185 kg
Dimensions	125x125x270 cm

BREAKER - MIXER AND SACK FILLER UNIT

Breaking and Mixing Capacity	750-1000 kg/h
Breaker Capacity	1030-2750 kg/h
Mixing Time	3,5 min.
Mixing Bunker	800 liter
Sack Filling Time	22 s
Breaker Motor Power	15 hp, 380 V
Mixer Motor Power	10 hp, 380 V
Sack Filler Motor Power	1,5 hp, 380 V
Weight	920 kg
Dimensions	137x277x205 cm
Number of Blades	36 pcs

FEED LOADING UNIT

Motor Power	11,5 hp, 380 V
Feed Bunker	800 lt
Approximate Weight	145 kg
Loading Height	290 cm
Dimensions	110x295x320 cm

PELLETIZING UNIT

Motor Power	22 - 30 kw
Pelletizing Capacity (8 mm disc)	300 - 500 kg/h

* Produced based on the capacity needs between 250 kg/h - 1500 kg/h.
** Boiler and conditioner are optional.



WHY PELLETTED FEED?

The main purpose of compressing of powder feeds is to eliminate some problems in powder feeds consumed.

Powder feeds intermingle with the air in the form powder during consumption and cause some lung and respiratory problems for the animals. Besides, powder feeds are consumed by the animals reluctantly because of their scent. On the other hand, the pelleted feeds are thanks to their pleasant taste and smell.

ADVANTAGES OF PELLETTED FEED

- High digestibility
- The decrease in the lost feed caused by the consuming habits of the animals
- Feeds consumed by the animals are absorbed more in the intestines than in the rumen.
- Higher meat production efficiency of the stocks in a shorter time.
- The warehousing cost is decreased and the durability is increased.
- Longer storage life
The formation of bacteria and fungus is at minimum level.

AREA OF USAGE

- Cattle and Small Cattle Milk Feed
- Poultry Feeds
- Fish Feeds
- Prina pelletizing (olive-oil residue)
- All grain groups
- Straw and clover





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PROFESSIONAL TYPE BREAKER - MIXER ANIMAL FEED PLANT



TECHNICAL SPECIFICATIONS

	KT 500K	KT 1000K
BREAKER - MIXER AND SACK FILLER UNIT		
Breaking - Mixing Capacity	750-1000 kg/h	1750-2000 kg/h
Breaking Capacity	1030-2750 kg/h	1600-5500 kg/h
Mixing Time	3,5 min.	5 min.
Mixing Bunker	800 liter	1800 liter
Sack Filling Time	22 s	20 s
Breaking Motor Power	15 hp, 380 V	25 hp, 380 V
Mixing Motor Power	10 hp, 380 V	15 hp, 380 V
Sack Filling Motor Power	1,5 hp, 380 V	3 hp, 380 V
Weight	920 kg	1615 kg
Dimensions	137x277x205 cm	337x150x248 cm
Number of Blades	36 pcs	54 pcs
CARRIER HELIX		
Loading Capacity	5 ton/h	5 ton/h
Loading Motor Power	2 hp, 1450 rpm, 380 V	2 hp, 1450 rpm, 380 V
Helix RPM	250 rpm	250 rpm
Helix Length	500 cm	500 cm
Helix Diameter	15 cm	15 cm
Weight	90 kg	90 kg
RATION PREPARATION AND FEED SUPPLY UNIT		
Ration Bunker Capacity	250 kg	250 kg
Weighing Capacity	1000 kg	1000 kg
Weighing Panel	Digital - Programmable	Digital - Programmable
Feeding Bunker Capacity	250 kg	250 kg
Feeding Helix Motor Power	1,5 hp, 1450 rpm, 380 V	1,5 hp, 1450 rpm, 380 V
Weight	185 kg	185 kg
Dimensions	205x87x228 cm	205x87x228 cm
SACK WEIGHING UNIT		
Weighing Capacity	100 kg	100 kg
Weighing Panel	Digital - Programmable	Digital - Programmable

Professional Type Breaker - Mixer Feed Plant is composed of four units:

1. Breaker-Mixer and Suck Filler Unit
2. Carrier Helix
3. Ration Preparation and Feed Supply Unit
4. Sack Weighing Unit



BREAKER - MIXER AND SACK FILLER UNIT

Raw material coming out of the feed supply unit is ground in the breaker unit. Ground semi-product is transferred to the mixer unit. Mixer unit is used to produce scientific feed by adding additive materials such as mineral, vitamin, bone flour, marble powder in accordance with the ration property. Sack filler unit transfers the acquired scientific feed out from the mixer unit.

RATION PREPARATION AND FEED SUPPLY UNIT

Ration preparation unit is used to weigh with high precision the raw material of various properties and weights which will be involved in the ration and transfer them into the system. This unit is programmable through the keys on the digital weighing panel which controls the load cell pressed by four different points.

SACK WEIGHING UNIT

The weighing unit is used to obtain sacked or packed products at standard weight by weighing the feeds coming out of sack filler unit at certain weights. It is connected to the sack filler unit through a socket. It is programmable through the keys on the digital weighing unit.



CARRIER HELIX

Carrier helix is used to transfer the raw material (barley, maize, wheat, oat etc.) from the warehouse to the breaker unit or the ration preparation unit.



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ECONOMIC TYPE BREAKER - MIXER ANIMAL FEED MACHINERY



TECHNICAL SPECIFICATIONS

	KT 500K	KT 1000K
BREAKER - MIXER AND SACK FILLER UNIT		
Breaking - Mixing Capacity	750-1000 kg/h	1750-2000 kg/h
Breaking Capacity	1030-2750 kg/h	1600-5500 kg/h
Mixing Time	3,5 min.	5 min.
Mixing Bunker	800 liter	1800 liter
Sack Filling Time	22 s	20 s
Breaking Motor Power	15 hp, 380 V	25 hp, 380 V
Mixing Motor Power	10 hp, 380 V	15 hp, 380 V
Sack Filling Motor Power	1,5 hp, 380 V	3 hp, 380 V
Weight	920 kg	1615 kg
Dimesions	137x277x205 cm	337x150x248 cm
Number of Blades	36 pcs	54 pcs
WEIGHING AND FEED SUPPLY UNIT		
Feeding Bunker Capacity	250-500 kg	250-500 kg
Weighing Capacity	1000 kg	1000 kg
Weighing Panel	Digital	Digital
Helix Motor Power	1,5 hp, 250 rpm, 380 V	1,5 hp, 250 rpm, 380 V
Weight	185 kg	185 kg
Dimesions	125x125x270 cm	125x125x270 cm
SACK WEIGHING UNIT		
Weighing Capacity	100 kg	100 kg
Weighing Panel	Digital - Programmable	Digital - Programmable

Economic Type Breaker - Mixer Feed Machinery is composed of three units:

1. Breaker - Mixer and Sack Filler Unit
2. Weighing and Feed Supply Unit
3. Sack Weighing Unit



BREAKER - MIXER AND SACK FILLER UNIT

Raw material coming out of the feed supply unit is ground in the breaker unit. Ground semi-product is transferred to the mixer unit. Mixer unit is used to produce scientific feed by adding additive materials such as mineral, vitamin, bone flour, marble powder in accordance with the ration property. Sack filler unit transfers the acquired scientific feed out from the mixer unit.

WEIGHING AND FEED SUPPLY UNIT

Ration preparation unit is used to weigh with high precision the raw material of various properties and weights which will be involved in the ration and transfer them into the system. This unit is programmable through the keys on the digital weighing panel which controls the load cell pressed by four different points.

SACK WEIGHING UNIT

The weighing unit is used to obtain sacked or packed products at standard weight by weighing the feeds coming out of sack filler unit at certain weights. It is connected to the sack filler unit through a socket. It is programmable through the keys on the digital weighing unit.





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VERTICAL BREAKER - MIXER FEED MACHINERY (WITH LOADER AND SCALE)



KT 750K TECHNICAL SPECIFICATIONS

BREAKER - MIXER UNIT

Length	231 cm
Width	148 cm
Height	233 cm
Approximate Weight	630 kg
Number of Blades	36 pcs
Breaker Capacity (Ø6 mm sieve)	2500 kg/h
Breaking and Mixing Capacity	1500 kg/h
Mixer Type	Vertical
Breaker Motor Power	15 hp
Mixer Motor Power	3 hp
Mesh Diameter of the Sieve	4 - 6 - 9 mm

WEIGHING AND FEED SUPPLY UNIT

Feed Bunker Capacity	200 - 400 kg
Weighing Capacity	1000 kg
Weighing Panel	Digital
Helix Motor Power	1,5 hp, 250 rpm, 380 V
Weight	185 kg
Dimensions	125x125x270 cm

Vertical Type Breaker - Mixer Feed Mill is composed of two parts:

1. Breaker - Mixer Unit
2. Weighing and Feed Loading Unit



BREAKER UNIT

Raw materials which need to be ground are put into the grain bunker which has a capacity of approximately 350 kg. The raw materials put into the bunker reach the vertically shafted breaker mill via a gate. There is a magnet in this gate. Products broken homogenously in the hammer mill are transferred to the mixer silo by means of a helix. Thanks to the special design of the gate, the flow of the raw materials is steady.

MIXER UNIT

The mixer silo which has a capacity of 700-900 kg mix all the raw materials homogenously by means of a helix located inside the mixer silo. Mixing and transferring of the products out of the mill are realized by means of a single motor which has a power of 2.2 kw. Movement out of the motor is transferred to conveyor and mixer by means of belt and pulley system. Raw materials which not need to be ground can be put inside directly through the cover located on the lower bunker of the grinder. Products can be taken as much as desired through specially designed open-close lever. Operating silently, being dust free since the transfer is made by helix and ease of motion in the production area thanks to the wheels underneath are the main features of this machine.

WEIGHING AND LOADING UNIT

This unit is used to weigh the raw material of various properties and weights which will be involved in the ration in desired weights and transfer them into the system. Weighing process is done through the keys on the digital weighing panel which controls the Load Cell pressed by four different points. Prepared rations are loaded into the breaker via a feeding helix.



HORIZONTAL TYPE BREAKER - MIXER FEED MILL



The mills are composed of two parts as breaker unit and mixer unit. Breaker unit is surrounded 360° by the sieve. Feed is supplied from the center. The size of the feed is obtained by changing the sieves. Fine and coarse feeds are obtained by the fine and coarse meshed sieves respectively. Broken feeds fall into the mixer.

Second unit is the mixer. The mixer is composed of two helices intermingled with each other and, one of which has right pitch and the other has left pitch. These kinds of mixers mix homogeneously and swiftly. After the breaking process, mixing process is done by adding medicine and vitamins and finally the feed is obtained.

TECHNICAL SPECIFICATIONS

	KT 500K	KT 1000K
Breaker - Mixer Capacity	750-1000 kg/h	1750-2000 kg/h
Breaking Capacity	1000-2750 kg/h	1600-5500 kg/h
Mixing Time	3,5 min.	5 min.
Breaking Bunker	800 liter	1800 liter
Breaker Motor Power	15 hp, 380 V	25 hp, 380 V
Mixer Motor Power	10 hp, 380 V	15 hp, 380 V
Sack Filling Motor Power	1,5 hp, 380 V	3 hp, 380 V
Approximate Weight	920 kg	1615 kg
Dimensions	137x277x205 cm	337x150x248 cm
Number of Blades	36 pcs	54 pcs

Feed breaking and mixing machine is composed of two main parts:

1.Part: Feed Breaking (Grinding) Section: Raw materials which need to be ground are put into the grain bunker which has a capacity of approximately 350 kg. The raw materials put into the bunker reach the vertically shafted breaker mill via a gate. There is a magnet in this gate. Products broken homogeneously in the hammer mill are transferred to the mixer silo by means of a helix. Thanks to the special design of the gate, the flow of the raw materials is steady.

VERTICAL TYPE BREAKER - MIXER FEED MILL



2.Part: Feed Mixing Section: The mixer silo which has a capacity of 700 - 900 kg mix all the raw materials homogeneously by means of a helix located inside the mixer silo. Mixing and transferring of the products out of the mill are realized by means of a single motor which has a power of 2.2 kw. Movement out of the motor is transferred to conveyor and mixer by means of belt and pulley system. Raw materials which not need to be ground can be put inside directly through the cover located on the lower bunker of the grinder. Products can be taken as much as desired through specially designed open - close lever. Operating silently, being dust free since the transfer is made by helix and ease of motion in the production area thanks to the wheels underneath are the main features of this machine.

KT 750K TECHNICAL SPECIFICATIONS

Length	231 cm
Width	148 cm
Height	233 cm
Approximate Weight	630 kg
Number of Blades	36 pcs
Breaking Capacity (Ø6 mm sieve)	2500 kg/h
Breaker - Mixer Capacity	1500 kg/h
Breaker Type	Vertical
Breaker Motor Power	15 hp
Mixer Motor Power	3 hp
Mesh Diameter of the Sieve	4 - 6 - 9 mm

NEW TYPE ELECTRIC POWERED FEED BREAKER

New type electric powered feed breakers are fixed type machinery powered by the electric motor. Machinery is hammered system and the blades are connected to the disc at single point via pin. While operating in high speed, blades are opened by the centrifugal system and break the feed. Breaker unit is surrounded 360° by the sieve. Feed is supplied from the center. The size of the feed is obtained by changing the sieves. Fine and coarse feeds are obtained by the fine and coarse meshed sieves respectively. Broken feeds are filled into the sacks by means of a helix. Feeds desired to be broken must be dry. Oily and humid feeds are not ground efficiently. You can supply feeds to your animals by breaking any kind of grain (barley, wheat, maize, oat etc.) easily by this machinery.



TECHNICAL SPECIFICATIONS

	KT 300C	KT 500C
Breaking Capacity	1000-2500 kg/h	1500-4500 kg/h
Breaker Motor Power	15 hp, 380 V	25 hp, 380 V
Sack Filling Motor Power	1,5 hp, 380 V	1,5 hp, 380 V
Approximate Weight	350 kg	450 kg
Dimensions	125x150x145 cm	135x160x155 cm
Number of Blades	36 pcs	54 pcs

MONO-PHASE MOTOR BREAKER - MIXER FEED MILL

The mills are composed of two parts as breaker unit and mixer unit. Breaker unit is surrounded 360° by the sieve. Feed is supplied from the center. The size of the feed is obtained by changing the sieves. Fine and coarse feeds are obtained by the fine and coarse meshed sieves respectively. Broken feeds fall into the mixer. Second unit is the mixer. The mixer is composed of two helixes intermingled with each other and, one of which has right pitch and the other has left pitch. These kinds of mixers mix homogenously and swiftly. After the breaking process, mixing process is done by adding medicine and vitamins and finally the feed is obtained.



TECHNICAL SPECIFICATIONS

KT 150K	
Breaker - Mixer Capacity	150-300 kg/h
Breaker Capacity	300-700 kg/h
Mixing Time	3,5 min.
Mixing Bunker	180 liter
Breaker Motor Power	4 hp, 220 V
Mixer Motor Power	3 hp, 220 V
Sack Filling Motor Power	0,5 hp, 220 V
Approximate Weight	325 kg
Dimensions	110x195x145 cm
Number of Blades	20 pcs

THREE-PHASE MOTOR ELECTRIC POWERED TYPE FEED BREAKER

This kind of machinery is fixed type machinery powered by the electric motor. Machinery is hammered system and the blades are connected to the disc at single point via pin. While operating in high speed, blades are opened by the centrifugal system and break the feed. Feeds desired to be broken must be dry. Oily and humid feeds are not ground efficiently. You can supply feeds to your animals by breaking any kind of grain (barley, wheat, corn, corn cob, rye, oat, cotton seed and clover if it is dry, straw and sunflower etc.) easily by this machinery.

TECHNICAL SPECIFICATIONS

	KT 20B	KT 26B	KT 38B
Motor Power	10 hp	20 hp	30 hp
Motor Speed	2900 rpm	2900 rpm	2900 rpm
Breaker Capacity	450-700 kg/h	1200-1700 kg/h	1700-2500 kg/h
Approximate Weight	175 kg	380 kg	470 kg
Belt Dimensions	17x1325	17x1525	17x1625
Dimensions	130x190x165 cm	150x220x177 cm	175x240x198 cm
Number of Blades	20 pcs	26 pcs	38 pcs



TRACTOR POWERED TYPE FEED BREAKER

This type of machinery is suspended type feed breaker powered by the power take-off and tied to the tractor at three points. Machinery is hammered system and the blades are connected to the disc at single point via pin. While operating in high speed, blades are opened by the centrifugal system and break the feed. Feeds desired to be broken must be dry. Oily and humid feeds are not ground efficiently. You can supply feeds to your animals by breaking any kind of grain (barley, wheat, corn, corn cob, rye, oat, cotton seed and clover if it is dry, straw and sunflower etc.) easily by this machinery.

TECHNICAL SPECIFICATIONS

	KT 26A	KT 38A
Minimum Motor Power	50 hp	60 hp
PTO rpm	540 rpm	540 rpm
Breaker Capacity	1200-1700 kg/h	1700-2500 kg/h
Approximate Weight	350 kg	390 kg
Belt Dimensions	17x2500	17x2500
Dimensions	150x165x177 cm	175x175x195 cm
Number of Blades	26 pcs	38 pcs



MONO-PHASE MOTOR ELECTRICAL POWERED FEED BREAKER



Mono-phase motor feed breaker is a fixed type machine powered by the house electricity. Blades are connected at single point via pin. While operating in high speed, blades are opened by the centrifugal system and break the feed. Feeds desired to be broken must be dry. You can supply feeds to your animals by breaking various grain (barley, wheat, maize, rye, oat) easily by this machinery. Besides, you can break green cornstalk and beet by replacing the special blade.



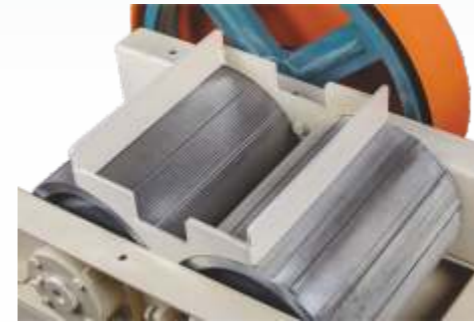
TECHNICAL SPECIFICATIONS

KT 17

Motor Power	4 hp, 220 V
Motor Speed	2900 rpm
Breaker capacity	300-700 kg/h
Approximate Weight	95 kg
Dimensions	141x77x66 cm
Number of Blades	20 pcs

THREE-PHASE MOTOR ELECTRIC POWERED TYPE BARLEY CRUSHER

This type of machinery is fixed type machinery powered by the electric motor. The crushing system is composed of two cylinders. Cylinders must have the same speed to crush the feed very smoothly. To do this, cylinders move each other through two gears which have same diameter. In order for the feeds to be very smooth, starting of the crushing process is recommended after mixing by adding 6 % water and waiting for 12 hours (capacity decreases during annealing process). You can supply feed to your animals by crushing every granulated barley.



TECHNICAL SPECIFICATIONS

	KT 30E	KT 40E
Motor Power	10 hp, 380 V	15 hp, 380 V
Motor Speed	1450 rpm	1450 rpm
Barley Crushinh Capacity	1200-1500 kg/h	2000-2750 kg/h
Approximate Weight	275 kg	385 kg
Dimensions	90x90x175 cm	90x100x175 cm



MONO-PHASE ELECTRIC POWERED TYPE BARLEY CRUSHER



This type of machinery is fixed type machinery powered by the electric motor. The crushing system is composed of two cylinders. Cylinders must have the same speed to crush the feed very smoothly. To do this, cylinders move each other through two gears which have same diameter. In order for the feeds to be very smooth, starting of the crushing process is recommended after mixing by adding 6 % water and waiting for 12 hours (capacity decreases during annealing process). You can supply feed to your animals by crushing every granulated barley.

TECHNICAL SPECIFICATIONS

KT 15E

Motor Power	4 hp, 220 V
Motor Speed	1450 rpm
Barley Crushing Capacity	300-400 kg/h
Approximate Weight	145 kg
Dimensions	60x70x130 cm



TRACTOR POWERED BARLEY CRUSHER



This type of machinery is suspended type feed breaker powered by the power take-off and tied to the tractor at three points. The crushing system is composed of two cylinders. Cylinders must have the same speed to crush the feed very smoothly. To do this, cylinders move each other through two gears which have same diameter. In order for the feeds to be very smooth, starting of the crushing process is recommended after mixing by adding 6 % water and waiting for 12 hours (capacity decreases during annealing process). You can supply feed to your animals by crushing every granulated barley.



TECHNICAL SPECIFICATIONS

KT 40T

Minimum Motor Power	40 hp
PTO rpm	540 rpm
Barley Crushing Capacity	2000-2750 kg/h
Approximate Weight	275 kg
Dimensions	90x100x175 cm

FEED LOADERS



The portable animal feed loaders are produced in two types as KT 250Y and KT 350Y. Feed loading is generally much easier via feed loader for feed breaker with high feed bunker. It is used for loading breaker bunker easily. It transfers the feed from its own bunker to the breaker bunker via helix having 1.5 hp motor.

TECHNICAL SPECIFICATIONS

	KT 250Y	KT 350Y
Motor Power	1,5 hp, 380 V	1,5 hp, 380 V
Feed Bunker	800 lt	800 lt
Approximate Weight	125 kg	145 kg
Loading Height	220 cm	290 cm
Dimensions	110x245x250 cm	110x295x320 cm



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CARRIER HELIX



Carrier helix is used to transfer the raw material (barley, maize, wheat, oat etc.) from the warehouse to the breaker unit or the ration preparation unit.

TECHNICAL SPECIFICATIONS

	5 Meter Helix
Carrying Capacity	5 ton/h
Carrying Motor Power	2 hp, 1450 rpm, 380 V
Helix Speed	250 rpm
Diameter	150 mm
Weight	90 kg
Length	5000 mm





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ATLAS SERIES VERTICAL FEED MIXER WAGONS



VERTICAL TYPE FEED MIXER AND BREAKER TECHNICAL SPECIFICATIONS

		ATLAS 15	ATLAS 30	ATLAS 50
Capacity	m ³	1,5	3	5
Length	mm	1680	4350	4900
Width	mm	1200	1750	2050
Height	mm	1640	2240	2500
Power	kw/hp	15/20	22/30	30/40
Weight	kg	400	1540	2150
PTO	rpm	540	540	540
Helix Type		Vertical Single Helix	Vertical Single Helix	Vertical Single Helix
Shafting System		Transmission	Transmission	Transmission
Max. Load	kg	350	850	1150
Number of Helix	pcs	1	1	1
Helix Speed	rpm	50	36	32
Number of Blades on Helix	pcs	5	5	5
Number of Fixed Blades	pcs	2	2	2
Tire Size			10/80/12	10/80/12
Lubrication System		From Tractor	Self-contained	Self-contained
Hydraulic Support Leg			Optional	Optional
Conveyor Discharge with Adjustable Height			Optional	Optional
Rear Loading Bucket			Standard	Standard
Digital Weighing System			Optional	Optional

ATLAS Series Vertical Feed Mixers are ideal for the farm business which has 15-60 cattles. The reason for indispensability for farm business is its simple and light structure.

Along with long-lasting transmission system used in its design, it provides high productivity with lower power compared to its equivalent machineries.

By means of digital weighing system provided as an option, feeds in the machinery can be weighed with high precision and rations can be prepared accurately.



SUPERIOR FEATURES

- It can feed 15-60 cattles at a time
- It is easy to use
- By means of its special alloy blades,
- It provides proper cutting and homogeneous mixture
- Its tractor power take-off is driven and it has 3-point suspension system (for suspended types)
- It provides high performance with minimum tractor power
- By means of its simple and light structure, it can conveniently operate in the facility
- Manual feed is easy and simple (for suspended types)
- Discharge system has hydraulic cover and it is fully by the tractor

OPTIONS

- Electronic weighing system
- Loading bucket
- Hydraulic pumping system
- Side conveyor
- 7,5 kW electric motor (for suspended type)

HELIX SYSTEM

Vertically operating helix system enables the bales to disintegrate, cut and mix with other concentrate and coarse feeds in a short timethanks to its special alloy blade. By means of its specially designed helix and body, there is no blind point in the machinery and therefore there is no feed left in the bunker after discharge.





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ATLAS SERIES HORIZONTAL FEED MIXERS AND DISPENSERS



HORIZONTAL FEED MIXERS AND DISPENSERS TECHNICAL SPECIFICATIONS

		ATLAS 60	ATLAS 80	ATLAS 100	ATLAS 120	ATLAS 140
Capacity	m ³	6	8	10	12	14
Length	mm	4790	4800	5200	5700	6100
Width	mm	1900	2200	2200	2200	2300
Height	mm	2270	2300	2570	2570	2570
Minimum power	kw/hp	30/40	37/50	44/60	55/75	75/100
Weight	kg	2700	3650	4300	4600	5300
PTO	rpm	540	540	540	540	540
Helix System		Double Helix at Base	Double Helix at Base	Double Helix at Base	Double Helix at Base	Double Helix at Base
Shafting System		Transmission	Transmission	Transmission	Transmission	Transmission
Number of Blades	pcs	108	114	114	130	150
Hydraulic Pressure Supply		Self-contained	Self-contained	Self-contained	Self-contained	Self-contained
Hydraulic Support Leg		Optional	Optional	Standard	Standard	Standard
Tire Size		11,5/80-15,3	12,5/80-15,3	12,5/80-15,3	400-60-15,50	400-60-15,50
Right Discharge with Adjustable Height		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Bilateral Discharge		Optional	Optional	Optional	Optional	Optional
Rear Loading Bucket		Standard	Standard	Standard	Standard	Standard
Digital Weighing System		Optional	Optional	Optional	Optional	Optional

In ATLAS Series Horizontal Feed Mixers and Dispensers, a system consisted of single sheets which is costlier and more difficult to manufacture is used instead of single sheet helix which is simpler and more cost-effective. As the helixes are individually installed in parts, the risk of especially tossed-in green grass wrapping around the helixes is eliminated. As there is no wrapping, the helixes operate very easily and the power required for the helixes to rotate reduces.

Because of more surface contacts with the product as a result of large inner and outer diameters of the helixes, mixing time is shorter as compared to its equivalents. Moving ball bearings are used in the helix supports in order to compensate for the lateral loads.



SUPERIOR FEATURES

- Discharge system is manufactured in the form of belt conveyor. Thus Operating speed of the belt can be adjusted on the belt conveyor by the safety valve.
- Volume of the oil container is manufactured large enough to prevent oil from heating up.
- In order not to need removing the cover sheets while lubricating the helix bearings, lubricating greasers are attached to the outer body of the machinery via copper tubes.
- A pressure gauge (barometer) is used so that the operator may monitor the pressure in the system. Thus, if the pressure increases, it may be easily detected by the operator and necessary adjustments are made without causing any failure.
- A ladder which has a length conforming the standards is designed in order to monitor the mixtures made.
- All warning labels which conform to the standards are available.
- Thanks to special design of the mixer-dispenser trailer and the omega structure in the center, both the power is required and a homogenous mixture is acquired.
- All hoses used in the system are of R2 quality and double-wired.
- Self-contained hydraulic system provided as a standard is European made and all hydraulic cylinders are double-acting. (While the cover is opened downward, it will not open by its own weight.)
- Special sealing fluids are used on all the joints (fitting material) of the hoses and the pipes of the hydraulic system.
- Best applications are applied so that the paint on the mixing and dispensing trailer last longer and not discolor.
- A mudguard is installed on the wheel for protection purposes.

OPTIONS

- Digital programmable weighing system
- Double-conveyor discharge
- Electronically controlled control system

HELIX SYSTEM

- By means of the special design of helix (axe type), the wrought blades on it and counter blades in the central omega, it provides:
- A clear shearing cut without crushing, replacement and longevity are achieved.
 - A cut in ideal size
 - A short cutting time
 - A short mixing time
 - And less energy consumption by the operator (diesel oil saving)

