



# RoYerMaK

Royermak Makine İç Ve Dış Ticaret Ltd. Şti.

## COMPRESS 120

### ROUND BALER MACHINE



BALE DIA

110 cm

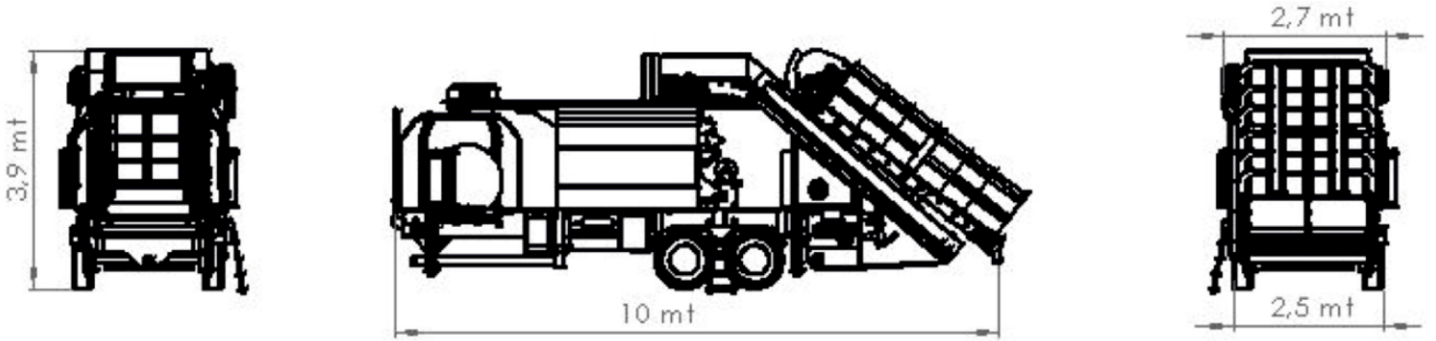
BALE WEIGHT

1000 kg

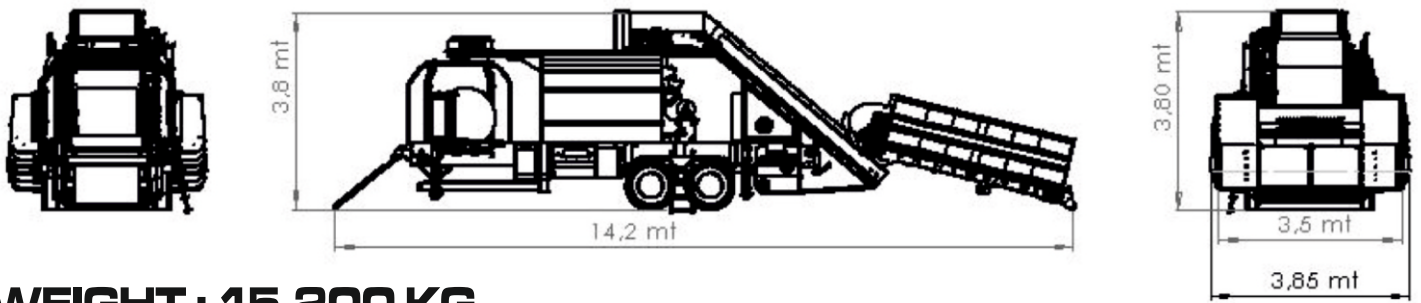


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## OUTHER SIZES OF BALER MACHINE FOR TRANSPORT



## OUTHER SIZES OF BALER MACHINE FOR WORK STATION



**WEIGHT : 15.200 KG**

## TECHNICAL SPECIFICATION OF ROUND BALER MACHINE

### PRESSING UNIT

ROLLER PROCESS : Rubber bond & Roller

BALE SIZE : Q : 120 cm / Wide : 110 cm

Press room door with different speed wihtout sensör.

Automatic oil lubrication for bearing

Automatic oil lubrication for chain

### STRETCH UNIT

Lenght of stretch : 75 cm

Auto control system for stretch break off

Stretch unit has bump control system

### NET UNIT

Lenght of net : 125 cm

Net constrict before cut.

Electrical net tension system.

Auto control system for net break off

Single motion system for net clamp & unclamp

### BALE MOVER UNIT

Force unit : Wiht Reducer

Wiht inverter speed control

Position control wihtout sensör

Bale mover hydraulic pipes has collecting system

### FEEDING BELT UNIT

Force unit : Wiht Reducer

Wiht inverter speed control

### CHASSIS DIMENSION

Wiht double axle & leaf spring (18000 KG)

Brake control system while transportation

Moving connetion : With tow bar and brake plug

### CHASSIS LIFTING

With hydraulic valve when electric available

With manuel hydraulic pump when electric not available

### HYDRAULIC UNIT

Hydraulic oil : shell tellus 46

Capacity of tank : 150 liter

Oil filter in pressure & discharge unit

Oil level sensor

Oil cooling system with radiator fan

### ELECTRICAL DETAILS

Total rated capacity : 380 VAC 60 KW

While bale making electric consumption is 20 KW

### LOADING BELT UNIT

Force unit : Wiht Reducer

Wiht inverter speed control

Lifting of loading belt is controlled with hydromotor & chain also protection steel rope

Belt wide : 3500 cm

## ADVANTAGES & DIFFERENCES

### CYCLE TIME

Other machines ; hour / 50 bale ( 1 bale = 1,2 min. )  
Our machine ; hour / 60 bale ( 1 bale = 1 min. )  
NOT : Parameters for corn silage. For different silage cycle time can change

### LOW ENERGY

The result while corn silage bale ;  
5,5 kw = While transfer pressed bale o stretch unit.  
12 kw = While feeding of pressing room.  
20 kw = When pressing room half.  
35 kw = While pressing room fully running and net operation.  
According to parameters min 5,5 kw max 35 kw electric consumption.

### REMOTE CONTROL

Able to control machine on wifi or any android device

### HYDRAULIC BELT TENSION SYSTEM FOR PRESSING ROOM

The tension of belt in pressing room is able to adjust with hydraulic.  
Importance for tight pressing and easy to adjust for different silage.  
Other machines uses spring tension instead of hydraulic tension.  
Spring tension system can not adjust depend to cycle.

### DRIVING SYSTEM WITH DOUBLE AXLE & LEAF SPRING & HYDRAULIC BRAKE

Brake control is able to do with hydraulic which connected to the tractor

### TIPPER FEEDING

Thanks to wider and parallel design  
loading belt is too close to the floor and easy to feed with tipper.

### INVERTER CONTROL SYSTEM

All the motors on vehicle has mitsubishi inverter speed control system.  
Pressing room, belts, bale mover unit, refedding belt, stretch unit is able to set easily on touch panel.  
Thanks to ramp acceleration / ramp deceleration system no force on mechanical system.  
In any jamming on mechanism system automatically stops.

### AUTO CONTROL SYSTEM FOR STRETCH BREAK OFF

Break off system always follow about stretch breaking and bale cannot drop of without operation complete.  
If both Stretch break off while operation, warning message will shown on touch screen.  
If 1 Stretch break off, control system start to double turn to complete correct bale making,  
and with 1 Stretch, operation able to complete exactly.

### NONE CONTACT SENSOR TECHNOLOGY

#### 1- WITHOUT SENSOR BALE MOVER UNIT

On bale mover slide, no assembly any sensor and bale mover positions can recorded with absolute encoder on machine with the precision of mm even no electric on system.  
With absolute encoder fastly moves to target and slow moving distance is decreased to only 10 cm through absolute encoder. And it saves your process time to shorter!!!

Even european machines controlled with sensor and often pours parts on sensors and problems happens (like sensor broken) in operations while to moving next station.  
Also sensor can not know the position of to go, and always stops suddenly, and it pours silage on bale mover slide  
To avoid pouring silage even european machines need to move slowly..

### STRETCH BUMP CONTROL SYSTEM

System automatically stops if any bump to Stretch arm.  
Easy to protection for any injury.

### SINGLE MOTION SYSTEM FOR NET CLAMP & UNCLAMP

Net changing is can with single motion system.

### AUTOMATIC NET SHRINK SYSTEM

To complete correct NET operation, when the first turns begin,  
and when the baling ends, System shrink NET then cuts..

### CHASSIS LIFTING

With manuel hydrolic pump when electric not available

### AUTOMATIC LUBRICATION SYSTEM

Manual or automatic lubrication system for pillow blocks and chains in pressing room.  
System calculate running time of pressing room and lubricate it automatically depend to requested time.

### PROPORTIONAL HYDRAULIC PRESSURE & OIL FLOW CONTROL

All the hydraulic controlled system has speed and power control on touch screen and machine run without under force  
Other machines does not has this system.

### ELECTRICAL NET TENSION SYSTEM.

NET tension system able to set up easily on touch screen without any mechanical settings.  
But The main subject, not setting on touch screen!!  
The main subject is, with easy setting; thousands baling can if the quality of NET not changes

Other machines does not has NET tension system.

#### 2. WITHOUT SENSOR PRESSING ROOM DOOR

The position of pressing room door is also controlled with absolute encoder and system knows position of door with the precision of mm. It runs such as "hundreds sensors assemblyed on it".  
Able to control door, to any position or To any speed or to any Pressure! and door runs without bump & shake!  
You can think about, the door opens/closes within each 1minutes and how damage to your machine if with runs bump & shake!

Other machines, Even European machines controlled with sensor and it really damage machines.

#### 3. WITHOUT SENSOR STRETCH CUTTING BLADE

Stretch Cutting blade is controlled with pressure control. No need to any mechanical setting.  
Limits can set up automatically by itself

Others machines uses 2 pieces sensor to get information about blade position and sensors always can be broken or get loose and makes problems for setting..



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## ROUND BALER MACHINE



**CORN ;**  
Corn silage is obtained from All corn plant mincing and nowadays It uses for feeding of mostly cow.



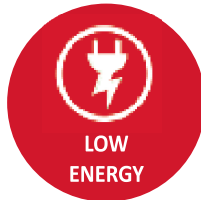
**FRUIT PULP ;**  
Fruit bale gives you chance, to use again Pulps, which comes from Pulp companies.



**SUGAR BEET ;**  
Sugar beet includes high energy And easy digestibility and chooses because of delicious feeding. It is used to Nitrogen balance in grass silage and protein balancing.



**CLOVER;**  
From clover plants obtained and high energy silage feed with calves and ruminants nourishment It is provided.



***Machine Can make Silage only for the products which Length of not exceed 7 cm.***



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