ÖZBUDAK
MAKİNA SANAYİ ve TİCARET A.Ş.

SİNGLE ROW CORN SİLAGE MACHİNE
PRODUCTİON TECHNİCAL DETAİL FORM

SINGLE-ROW CORN SILAGE MACHINE

You can supply your forage needs with a cheapest and healthy way with OZBUDAK Single Row Silage Machines having Transmission. Our silage machine's moving parts provides its power directly from the shaft, which provides maximum efficiency with minimum power. Thereby, it functions properly for years without exhausting the tractor. Our machine contains a safety system against extreme strains. The machine is attached to the tractor with a three-point hydraulic system. The tractor can be adjusted easily in the furrows or between furrows in the field with the displacement of the coupling lever shaft.

The most important factor of the silage machine is the sharpness of the chopper blades. You can easily sharpen the hardened blades made from special alloy steel on our machine by knife sharpener system in a short time.

The chimney system can be opened easily in order to access to the chopper blade unit for necessary and easy blade adjustments. Thus, the desired length of the material is acquired.

As in our other products with OZBUDAK brand, we produce the hundred percent of our single row maize chopper with our wide ranged machine parkour by ourselves. From its blades to the transmissions, all the parts of machines are manufactured in our factory.

1.BASİC SİZES

1-Length	2500 mm
2-Width	2300 mm
3-Height	3650 mm (Flue's cap at the heighst position)
4-Weight	600 kg
5-Reap Width	700 mm
6-Reap Height	30-200 mm (Settable)
7-Reap Capasity	3-5 mm
8-Work Capasity	25 ton/hour
9-Needed Power to Operating	Tractor engine power 50 hp

2.MATERİALS SİZE and FEATURES USED in PRODUCTİON

ROOF MATERİALS	
1-Three point connection side handles	Diameter 45 mm, Materials: 1040
2-Three point connection top handles	10 mm
3-Main rafter	120*120*5 Box profile , 10 mm
4-Roof protection iron sheet	5 – 6 mm
5-Support tire handle	50*50*3 Box profile
6- Support tire axle	Diameter 32 mm , 1040
7- Support tire pcs	1 pcs
8- Support tire sızes	18x7-8 HL10

MOVEMENT TRANSMİSSİON ORGAN	
1-Movement transmission system figure	Gearbox
2-Tail axle movement entrance axle scale and specials	Diameter 45 mm, 1 3/8" Z6, material 4140 Heat treatment, place of gear and bearing is satirized
3-First gearbox gears	Z1=25 , Z2=18 , material 8620
4-Gearbox exit axle scales	Diameter 40 mm, 1 3/8" Z6 , material 4140 Heat treatment, place of gear and bearing is satirized
5-Second gearbox gears	Z1=18 , Z2=25 , material 8620
6-Between two gearbox movement transmisson axle scales	Between the gearboxes movement with shaft (shaft technical detail form in quote)
7-Second gearbox gears	Z3=33, Z4=16 , material 8620
PROCESSOR ORGANS	
1-Seperator iron plate's thickness and length	Thickness:1,5mm , length:1824 mm
2-Product gripper bow number and materials	2 number , material 17223 bow steel
3-Cutter blade thıckness and dıameter	Thickness:7 mm , diameter:295 mm
4-Reaper drums	1 pcs fixed geared drum , 1 number fixed straight drum
5-Reap drums diameter and length	Diameter:235 mm , Height:222 mm
6-Reap drums axle materials and scales	Special axones are holder of drums.These axones material ıs GS52 Axone bearing place scales: 80-35 mm
7-Reap drums axle bearing number and pcs	Each drum : 1 pcs 6016 2RS , 1 pcs 6207 2RS

CHOP UP – SHREDDER SETUP	
9-Knife connection dısc diameter and thickness	Diameter 537 mm, sphero material powered up wıth special shapes
10-Knife pcs	12 pcs
11-Knife scale	Length: 266 mm, Thıckness:6 mm
12-Knife hardness	57 HRC
13-Axle's scales connecting to knifes	Material diameter 55 mm, material 4140 Heat treatment, place of gear and bearing is satirized
14-Knife connect axle bearıng	1 number 6209 RS , 2 number 30208
15-Fixed knife scales	Length: 242 mm, width:58 mm , thickness: 14mm
16-Blowing wing number and scales	6 number , 8mm and 6 mm
17-Cover iron plate thickness	5 mm
MATERiAL BLOWING SYSTEM	
1-Blowing flue	5 inch pipe
2-Pipe thickness	3 mm
3-Flue turning mechanısm	Hydraulic
4-Flue direction cap's movement shape	Hydraulic
5-Flue rotation degree	90 degree

3.PAİNTİNG STYLE and COLOUR

Machines cleans with metal surface clean then primering with epoxy primer. After that the last layer painting with acrylic paint. Flue's cap and transmission paint to grey and the other parts paint to red.