

The front section of the baler features the pick-up (3) which collects the windrows. The material collected by the rotor (4) is delivered to the rolling chamber in the form of a roll. There are rollers revolving around their axes in the front section of the rolling chamber. In the rear section of the chamber, there is a pair of chains which drive the rollers. The motion of the rollers and chains propels the material's rolling and compaction. Achieving a pre-set degree of compaction is signalled by the control panel (10) in the operator's cab. After the pre-set compaction degree is achieved, the binding unit (11) ties the bale with net.

The baler's coupling with the tractor is achieved by means of the drawbar (1), the PTO shaft (2), and hydraulic hoses (12). The support foot (6) is used for propping the machine in the stationary position. It must be lifted by means of the crank provided for the time of the operation. The machine has a platform (5) with a folding ladder, which should be folded down during operation. The baler is fitted with ground wheels (7) for riding behind the tractor.

1.5 Technical specification of the baler

Table 1. Technical specification of the baler

No	Contents	
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General information		
1.	Machine Type	Baler
2.	Manufacturer	METAL-FACH Sp. z o.o. Kresowa 62, 16-100 Sokółka
3.	Nameplate Location	Front bar
4.	Number Stamp Location	Front body, right side
5.	Trade name	Z602
Dimensions		
6.	Maximum length [mm]	4260
7.	Maximum width [mm]	2540
8.	Maximum height [mm]	2425
Weights		
9.	Maximum weight [kg]	3050
Technical Data		
10.	Maximum hitch pressure [kN]	5.1
11.	Rolled-bale dimensions (diameter/width) [mm]	1200/1200
12.	Bale weight [kg]	100-600
13.	Efficiency [bales/h]	max. 35
14.	Rolling assembly – chamber type	Roller and chain, fixed chamber
15.	Bale density	Variable
16.	Drawbar-eye diameter [mm]	44
17.	Number of operators	1 (tractor operator)
Requirements for tractor		
18.	Power demand [kW/HP]	60/81
19.	Power demand on the power take on [kW/HP]	50/68
20.	PT Off rotational speed [rpm]	540
21.	Connected to the tractor by	Lower transport hitch
22.	Hydraulic system	2 unidirectional manifold, 1 dual direction manifold
23.	Required pressure in the tractor's hydraulic	140/14

	system [Atm./MPa]		
24.	Electrical system [V]	12	
25.	Socket	3-Pin COBO	
26.	Transport speed [km/h]	40	
Feeding and cutting unit			
27.	Pick-up type	Drum and finger, 4-beam	
28.	Pick-up width [mm]	1800	
29.	Max. distance between the extreme pick-up tines [mm]	1520	
30.	Number of pick-up tines	44	
31.	Working-height adjustment	Mechanical, 5 settings	
32.	Cutting assembly	13 blades	
Binding			
33.	Number of net rolls	2	
Tyres			
34.	Size	400/60 – 15.5	
35.	Load-capacity and velocity index	(14PR) 145 A8	
36.	Pressure in tyres [kPa]	250	
Power take-off shaft (PTO)*			
37.	Type	Standard	Automatic
38.	Transferred torque [Nm]	1860	1700
39.	Minimum length [mm]	1210	1110
40.	Type of coupling	Shear	Automatic
41.	Catalogue No.	60064/S602.K61-1/5NW	CS6R111CEWR71 7A

* The automatic shaft is an optional accessory for the baler

1.6 General safety principles

In order to avoid hazards, read the contents of this instruction manual prior to operating the baler. As well as the information included in the instruction manual, all the principles and the local legal regulations related to safety of work and machine disposal should be met.

The baler has been designed and constructed in such a way as to ensure maximum safety during use.

Before the first start-up, read all the sections of the instruction manual carefully.

Metal-Fach shall not be held liable for any damage arising from non-compliance with the principles contained in this baler instruction manual.

The Company shall also waive all responsibility for any damage arising from the improper use of the machine or any unauthorised changes made to the machine.

Check the condition of the machine regularly. Pay special attention to the correct functioning of all safety components. All protective guards must be installed according to the manufacturer's instructions.