

1.5 Technical specification of the Baler

Table 1 Technical specification of the Baler

No.	Contents	
General data		
1.	Machine Type	Baler
2.	Manufacturer	METAL-FACH Sp. z o.o. 16-100 Sokółka, ul. Kresowa 62
3.	The point of mounting the rating plate	Front bar
4.	Number stamp location	Front body, right side
5.	Trade name	Z514
Dimensions		
6.	Maximum length [mm]	4955
7.	Maximum width [mm]	2700
8.	Maximum height [mm]	2850
Weights		
9.	Maximum weight [kg]	4050
Technical data		
10.	Maximum hitch pressure [kN]	7.1
11.	Rolled bale dimensions (diameter/width) [mm]	900/1200 – 1600/1200
12.	Rolling assembly – chamber type	Belt Baler, variable chamber
13.	Bale density	Variable
14.	Drawbar eye diameter [mm]	44
15.	Number of operators	1 (tractor's operator)
Requirements for tractor		
16.	Minimum power demand [kW / HP]	59/80*
17.	PTO rotational speed [RPM]	540
18.	Type of PTO hitch	1 3/8" Z6
19.	Coupling with the tractor using	Lower transporting hitch Upper transporting hitch
20.	Hydraulic system	2 unidirectional manifolds, 1 dual-direction manifold
21.	Required pressure in the tractor's hydraulic system [Atm./MPa]	140/14
22.	Electrical system [V]	12
23.	Socket	3-pin COBO type
24.	Transport speed [km/h]	40
Feeder unit		
25.	Pick-up type	Drum and tine, 4-bars
26.	Pick-up width [mm]	2000
27.	Max. distance between the extreme pick-up tines [mm]	1890
28.	Number of pick-up tines	60
29.	Adjustment of the pick-up's working height	Mechanical, 10 settings
Binding		
30.	Number of net rolls	2
31.	Maximum net width [m]	1230
32.	Maximum net length [m]	4000
33.	Minimum strength [kg]	275

Tyres		
34.	Size	500/50 – 17
35.	Load- and speed-index	(14PR) 149 A8
36.	Pressure in tyres [kPa]	250
Power take-off shaft (PTO)		
37.	Type	Wide-angle
38.	Transferred torque [Nm]	2100
39.	Minimum length [mm]	1410
40.	Type of coupling	Automatic
41.	Catalogue no.	8G7R141CEWR7006
Braking system		
Service brake		
42.	Type	Mechanical, drum brake
43.	Control	Pneumatic (double-line braking system)
Parking brake		
44.	Type	Mechanical, drum brake
45.	Control	Pneumatic (double-line braking system)

* The minimum tractor's power of 80 HP is sufficient for the machine to work properly. The Baler operates with highest efficiency when coupled with a tractor with the power rating exceeding 130 HP.

1.6 General safety principles

Before starting the Baler, read the Instructions Manual carefully in order to eliminate any possible hazards. In addition to the information contained in the Instructions Manual, all the principles and local legal regulations related to the operational safety and use of the machine must be followed.

The Baler was designed and made in such a way in order to provide maximum safety of use.

Before the initial start-up, carefully read all the chapters of the Instructions Manual.

Metal-Fach shall not be held liable for any damage arising from non-compliance with the principles contained in the Baler's Instructions Manual.

The company shall also waive all responsibility for any damage arising from improper use of the machine and 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 instruction.



WARNING

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The Baler can be operated only by those who are qualified and who have read the Instructions Manual.