

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, 12) ties the bale with twine or net.

The baler coupling with the tractor is achieved by means of the drawbar (1), PTO shaft (2) and hydraulic hose (13). The support foot (6) is used for propping the machine for stationary position. It must be lifted by means of the provided crank for the time of operation. The baler is fitted with ground wheels (7) for riding behind the tractor.

## 1.5 Technical specification

**Table 1.** Technical specification of the baler.

No.	Contents		
General information			
1.	Machine Type	Baler	
2.	Manufacturer	METAL-FACH Sp. z o.o. 16-100 Sokółka, ul. Kresowa 62	
3.	Nameplate Location	Front bar	
4.	Number Stamp Location	Front body, right side	
5.	Trade name	Z587	Z587/1
Dimensions			
6.	Length [mm]	4325	5070
7.	Width [mm]	2540	2550
8.	Height [mm]	2200	2395
Weights			
9.	Max. weight [kg]	2555	2950
Technical Data			
10.	Pressure on the hitch [kN]	4,1	4.7
11.	Rolled bale dimensions (diameter/width) [mm]	1200/1200	1500/1200
12.	Bale weight [kg]	100–600	150–900
13.	Efficiency [bales/h]	20–35	15–30
14.	Rolling assembly – chamber type	Chain-type, 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]	37/50	
19.	Power demand on the power take on [kW/HP]	37/50	
20.	PTO speed [rpm]	540	
21.	Coupled with the tractor via	Lower transport hitch	
22.	Hydraulic system	1 x 2-direction manifold, 1 x 1-direction manifold	
23.	Required pressure in the tractor hydraulic system [Atm/MPa]	140/14	
24.	Electrical system [V]	12	
25.	Plug	“Lighter” type	
26.	Transport speed [km/h]	40	
Pick-up*			
		Narrow pick-up	Wide pick-up
27.	Pick-up type	Drum and tine, 4-bars	Drum and tine, 4-bars
29.	Max. distance between the extreme pick-up tines [mm]	1520	1830
30.	Number of pick-up tines	44	52
31.	Working height adjustment	Mechanical, 5 settings	

Binding			
32.	Binding unit	Automatic binding with a single twine, net binding (optional)	
33.	Twine binding density adjustment	2-step	
32.	Number of net rolls	1	
Tyres			
33.	Size	400/60 – 15.5	
34.	Load/speed index	(14PR) 145 A8	
35	Tyre pressure [kPa]	250	
Articulated-telescopic power take-off shaft (PTO shaft)**			
36.	Type	Standard	Wide-angle
37.	Transferred torque [Nm]	2000	1860
38.	Min. length [mm]	1410	1210
39.	Clutch type	shear bolt	shear bolt
40.	Part number	60025/602.K6-1/5NW	60064/S602.K61-1/5NW

\*The Z587/1 baler may be configured with a broad pick-up.

\*\* A wide-angle shaft is an option.

## 1.6 General safety principles

Before starting the baler operation, read this operation manual to avoid risks. Apart from the information included in the instruction manual all the principles and local legal regulations related to safety of work and machine disposal should be met.

The baler was designed and made in such a way so as to provide maximum safety of use.

Before 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 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

### WARNING!

The baler can be operated only by qualified persons who have read this instruction manual.



WARNING

### WARNING!

Before starting the operation, check the machine for correct functioning, completeness and proper securing of its moving parts.