

The front section of the baler features the pick-up (5) which collects the windrows. It works in conjunction with the collector (6) which directs the picked-up windrow onto the rolling rollers (7), where compaction and rolling takes place. The activity of picking up the windrow, rolling and unloading bales is shown in Figure 25. Achieving a pre-set degree of compaction is signalled by the digital control (13) when it indicates the red area, and an acoustic signal on the control panel (10) in the operator's cab. After the pre-set compaction degree is achieved, the twine-binding unit (8) ties the bale with twine. For net bale binding applications, you must activate this process manually in the control panel (10).

The baler coupling with the tractor is achieved by means of the drawbar (1), PTOFF shaft (2) and hydraulic hoses (3). The support foot (4) is used for supporting the machine in the stationary position, and for coupling and detaching the machine from the tractor. The baler is fitted with ground wheels (11) for riding behind the tractor.

## 1.5 The Technical Specifications Of The Baler

**Table 1** The technical specification of the baler

No.	Contents			
General information				
1.	Machine Type	Baler		
2.	Manufacturer	METAL-FACH Sp. Z o.o. ul. Kresowa 62, 16-100 Sokółka,		
3.	Nameplate Location	Front bar		
4.	Number Stamp Location	Front body, right side		
5.	Type	Z562-0...	Z562-1...	Z562-2...
Dimensions				
6.	Length [mm]	3900	4000	4000
7.	Width [mm]	2470	2470	2470
8.	Height [mm]	2050	2050	2050
Weights				
9.	Max. weight [kg]	2350	2450	2750
Technical data				
10.	Pressure on the hitch [kN]	4.7 kn		
11.	Rolled-bale dimensions (diameter/width) [mm]	1200/1200		
12.	Bale weight [kg]	100-600		
13.	Efficiency [bales/h]	Max. 20	Max. 40	Max. 40
14.	Rolling assembly – chamber type	Cylindrical, 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]	35/48	50/68	70/95
19.	Power demand on the power take on [kW/HP]	Ca. 25/34	Ca. 40/55	Ca. 60/81
20.	PTOFF rotational speed [rpm]	540		
21.	Connected with the tractor by	Lower transport hitch		
22.	Hydraulic system	1 unidirectional manifold, 1 dual-directional manifold (for baler with blades – optional equipment)		

23.	Required pressure in the tractor's hydraulic system [Atm./MPa]	140/14	
24.	Electrical system [V]	12	
25.	Plug	“Lighter” type	
26.	Transport speed [km/h]	40	
Pick-up			
27.	Pick-up type	Drum and tine, 4-bars	
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	
Binding			
32.	Binding unit	Automatic binding with a single twine, net-binding (optional)	
33.	Twine-binding-density adjustment	3-step	
32.	Number of net rolls	1	
Tyres			
33.	Size	400/60 – 15.5	
34.	Load-capacity and speed index	(14 PR) 145 A8	
35.	Pressure in tyres [kPa]	250	
Power take-off shaft (PTOFF)*			
36.	Type	Standard	Wide-angle
37.	Transferred torque [Nm]	2000	1860
38.	Minimum length [mm]	1410	1210
39.	Type of coupling	Shear	Shear
40.	Catalogue No.	60025/602.K6-1/5NW	60064/S602.K61-1/5NW
Wheel-Braking System (optional equipment)			
Service brake			
41.	Type	Mechanical, drum brake	
42.	Control	Hydraulic (two-hose hydraulic system)	
Parking brake			
43.	Type	Mechanical, drum brake	
44.	Control	Manual, via crossed helical gear	

\* The wide-angle shaft is an optional accessory for the baler

## 1.6 General Safety Principles

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

The baler was designed and made to provide maximum safety of use.

Before first start-up, read all the chapters of the instructions manual carefully.

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