

GRAIN SILOS FLAT BOTTOM













CENTRAL LOADING INLET allows to connect loading devices and to completely use the capacity of the silo **EXHAUST FAN** prevents condensation of steam on the silo's roof WORKING PLATFORM allows convenient operation of the grain transporting equipment a robust roof of the sile ensures high resistance of the structure **ROOF STAIRS** to wind and snow allow convenient access to the working platform or the peak platform ROOF VENTS allow for adequate ventilation PLATFORM of the grain ensures convenient access to the manhole and roof stairs ROOF MANHOLF SIDE LOADING INLET allows to enter inside the silo RIN for loading with a blower EXTERNAL LADDER OR SPIRAL STAIRS PIPE FOR with a cover and protection door against unauthorized access PNEUMATIC LOADING INTERNAL LANDER GRAIN TEMPERATURE with a safety cage PRORE CENTRAL UNLOADING INLET INTERNAL SCREW CONVEYOR an opening with a damper, allows to unload the grain, which was through which the grain enters not transferred gravitationally the conveyor mounted under the floor to the conveyor under the floor UNLOADING SLEEVE allows to introduce an inclined LADDER PROTECTION DOOR screw conveyor into the silo PERFORATED FLOOR SILO CONTROL MODULE within the whole area informs whether the manholes are closed and whether the silo is completely loaded CONCRETE BLOCKS support the floor UNLOADING CONVEYOR UNDER THE FLOOR AIR INLET of a screw or chain type to connect the fan LOWER MANHOLE

The equipment is different in different silo models.

SILO ADVANTAGES



long storage of the grain

WATER MANNMETER

air flowing through the grain

shows the pressure of



lower price when compared



with other types of silos



with an anti-dynamic pipe that

prevents damages to the silo wall

for storage of grains, maize



cooling down and drying



with double door

properties

WITH A PLATFORM

featuring anti-slippery

the stored grain



EMERGENCY DUCT

inlet gets clogged

unloading of the silo if the conveyor

under the floor fails or the central unloading

high quality galvanized sheet and connectors



roof with embossed areas that prevent waste from getting inside the silo



lower risk of mold and pests



BAGGING

equipment mechanizing the loading and unloading of grain



compliant with fire resistance parameters

		NBIN10	NBINTOW	NBIN2ON	NBIN20	NBIN20W	NBIN20WW	MBIN60	NBI N6 DW	NBIN60WW	NBIN100U
Г	CAPACITY (t)*	10,5	13,5	19.7	22,4	28,1	33,8	57.7	68,8	91.0	99.8
⊢	VOLUME (m²)	15,6	19,5	26.3	29.9	37.4	45.0	76.9	91.7	121.3	133
H		_		/. · · ·		-					111
⊢	HEIGHT (m)**	4,6	5,5	4,3	4,8	5,8	6,7	6,1	7,1	9,0	7,2
L	DIAMETER (m)	2,3	2,3	3,2	3,2	3,2	3,2	4,5	4,5	4,5	5,4
W	/EIGHT (kg)***	560	719	820	861	984	1 161	1 475	1 699	2 062	2 430
	external ladder	s			S		S	S	S	S	S
ACCESS	internal ladder	S			S		S	S	S	S	S
	spiral stairs						1 4 1				- 0-
	roof stairs	- 3			-		-	334		-\\	0
AC	peak platform	- 3			-		-	11-		-/~	0
	working platform	- 3			- F		-	0	0	0	0
	lower manhole with a platform	- 3			0		0	0	0	S	S
	roof manhole		S		S		S	S	S	S	S
ACTIVE VENTILATION	air inlet	S	⊘ 180 °		S Ø 180		S Ø 180	S Ø 310	S Ø 310	S Ø 310	S Ø 310
	universal air inlet		-		-		-	-		-	-
	fan	0	PPZ		O PPZ		O PPZ	O PPZ	0 PPZ	O PPZ	O PPZ
	exhaust fan		0		0		0	0	0	0	0
	air heater	0	4.5 KW	/	0 4.5 kW		0 4.5 kW	0 4.5 KW	0 4.5 kW	0 4.5 kW	O 4.5 KW
ACTIN	roof vent		-		-		-	S 1 pes.	S 1 pcs.	S 1 pcs.	S 2 pcs.
1	water manameter	S			S		S	S	S	S	S
	temperature probe		0		0		0	0	0	0	0
	central. loading inlet		S	I	S		S	S	S	S	S
CAADING AND UNLOADING	side leading inlet	S		3/80	S		S	S	S	0	S
	bagging device	S			S		S	S	S	0	0
	anti-dynamic pipe of the bagging device				1/		S	- /	s	0	0
	unloading sleave	4 -			0		0	0	0	-0	0
16 AN	emergency duct	//			/-		-	0	0	S	S
LOADIN	unloading covneyor under the floor	0			0		0	0	0	0	0
	internal screw conveyor				774	M	15	0	0	0	0
	silo control madule	ol O			0		0	0	0	0	0

* capacity for wheat with density of 750kg/m² referred to the useful storage capacity, actual volume of material, accumulated in the silo depends on, among others, bulk properties of the material, max. permissible loading of the silo, etc.

*** net weight of silo components

NBIN100WU	NBIN200U	NBIN200WU	NBIN500	NBIN500W	NBIN1001	NBIN1001W	NBIN1500N	NBIN1500P	NBIN1500	NBIN1500W
132	211	261	521	604	948	1095	1170	1285	1514	1744
176	281	348	695	805	1264	1460	1560	1713	2019	2325
9,1	9,6	11,5	13,9	15,8	14,7	16,6	12,7	13,7	15,5	17,4
5,4	6,7	6,7	8,6	8,6	11,5	11,5	14,3	14,3	14,3	14,3
2 914	4 246	4 883	9 093	10 560	14 596	16 386	17 682	18 504	20 452	22 988
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0 4.5 kW	0 9 kW	0 9 KW		///	/	- / /				[::/
S 3 pcs.	S 10 pcs.	S 10 pts	S 1	2 pcs.	S 1	В рсв.		S 3	2 pcs.	
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	_								Ctandard	Ontions

S - Standard, 0 - Optional

^{**} height measured from the foundation to the top of the central loading inlet in the roof

INLET FAN

COOLS DOWN, VENTILATES AND DRIES THE GRAIN

■ AIR HEATER

HEATS UP THE AIR THAT DRIES THE GRAIN

UNLOADING THE SILOS

BAGGING DEVICE

intended for unloading small amounts of grain,
 installed in small silos.

UNLOADING SLEEVE

- an inclined screw conveyor is placed there,
- we recommend the SLEEVE EXTENSIONS
 the conveyor will collect more grain without the need to load it manually to the conveyor intake,

CONVEYOR UNDER THE FLOOR

- a screw or a chain conveyor,
- the grain reaches the conveyor through the outlet in the middle of the floor
- it transports the grain outside the silo.

■ INTERNAL SCREW CONVEYOR

 it collects the grain, which is not poured gravitationally to the conveyor under the floor,

EMERGENCY DUCT

- nn or under the floor
- used in the case the unloading devices fail or when the grain cakes over the inlet to the conveyor under the floor

TEMPERATURE PROBE

ALLOWS TO MEASURE THE TEMPERATURE OF THE STORED GRAIN

EXHAUST FAN

REMOVES DUST AND MOIST AIR FROM ABOVE THE GRAIN, PREVENTS CONDENSATION OF STEAM ON THE SILO'S ROOF

LOADING THE SILOS

BLOWER

- a pneumatic loading system intended for small silos.
- with its own hopper basket.
- the same fan is used to ventilate the silo.
- it transports vertically to the height of up to 7 m, capacity of up to 6t/h

VERTICAL SCREW CONVEYOR

- it occupies little space.
- it has own hopper basket,
- it can be connected to a conveyor under the floor, and can be used to unload the grain onto a trailer,
- it transports vertically to the height of up to 12 m, capacity up to 24t/h,

BUCKET CONVEYOR

- to load a series of silos.
- supported with a tower or fixed to the silo.
- raising height up to 25.5 m, capacity of 45t/h,

RECEIVING PITS

- driveable and non-driveable.
- screw and chain type
- since 1990 we have provided Polish and European farmers with more than 65 000 silos
- since 2014 we have been controlling the quality of our anti-corrosion coating applied to bolts, washers and nuts in salt spray test chamber
- we hold the Factory Production Control Certificate issued by the Institute of Welding in Gliwice
- we develop projects of our silos according to the European construction standards Eurocode

WE PRODUCE COMPREHENSIVE INSTALLATIONS FOR STORAGE OF GRAIN



FEEL FREE TO LEARN ABOUT THE FULL BIN'S OFFER:

FLAT BOTTOM GRAIN SILOS	HOPPER GRAIN SILOS				
FEED SILOS	EQUIPMENT OF FEED ROOMS				
GRAIN TRANSPORTING EQUIPMENT	AGRICULTURAL SHEDS				



BIN Sp. z o.o. ul. Narutowicza 12, 87-700 Aleksandrów Kujawski POLAND



EXPORT DEPARTMENT

- +48 54 282 88 05 +48 734 454 532
- @ export@bin.agro.pl

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