



KOTZUR

TRANSPORTABLE SEALED GASTIGHT SILOS



APPLICATION

General purpose grain storage.

Medium/Long term grain storage with phosphine or controlled atmosphere.

Fumigation of insect pests.

As a “hospital” silo for pest eradication of infested grain.

Ask for further information on the importance of sealed gastight silos in the drive to control insects and maintain grain free of chemical residue.

FEATURES

- Fully factory assembled and delivered ready to use.
- Kotzur Silos are manufactured to Silo Sealing Standard AS 2628 (Sealed to 5 minute half pressure decay standard).
- Reliable pest eradication without chemical residues and risk of failure due to insect resistance to contact pesticides.
- Zinalume walls/roof and galvanized hopper/support structure.
- Auto Resealing Ground Operated Centre Lid Opening.
- Roof hatches lock down with a quick lever action and seal with a heavy duty O-ring seal.
- Outlet slide gate is sealed with a quick action, secondary seal plate. This allows resealing even when there is grain in the silo.
- Bin is pressure protected with high capacity oil bath relief valve.
- Sealants (e.g. silicone) are NOT required each time bin is sealed.
- Bin walls/roof are sealed using PVC and Silicone between the joints at time of construction to ensure a lifetime structural seal.
- All silo models can be varied/modified to specific customer requirements.
- Covered by Kotzur 5 year warranty.

SPECIFICATIONS Effective 19 July 2023

MODEL	CAPACITY M ³	CAPACITY WHEAT ⁽¹⁾ T	MAX LOAD T ⁽²⁾	HEIGHT TO CENTRE M	HEIGHT TO EAVE M	NOM. DIAMETER M	OUTLET HEIGHT MM	BOTTOM OUTLET MM	CONE ANGLE	AUGER LENGTH ⁽³⁾ M (FT)	WIDE LOAD PILOTS ⁽⁴⁾	SILOS PER TRUCK ⁽⁶⁾
K431S	31	25	28	5.9	5.0	3.1	600	200	35°	10.2 (34')	None	2
K448S	48	38	44	6.1	5.0	3.8	500	200	31°	10.5 (35')	1	2
K458S	58	47	53	6.9	5.8	3.8	500 ⁽⁵⁾	200	31°	11.9 (40')	1	2
K481S	81	65	75	8.1	6.9	4.2	600	250	35°	13.8 (45')	1	2
K492S	92	73	85	8.9	7.7	4.2	600	250	35°	15.2 (50')	1	1
K486S	86	69	79	7.7	6.4	4.6	600	250	35°	13.2 (43')	2	1
K4100S	100	81	92	8.6	7.3	4.6	600	250	35°	14.7 (48')	2	1
K4114S	114	93	105	9.4	8.1	4.6	600	250	35°	16.0 (53')	2	1
K4128S	128	104	118	10.3	9.0	4.6	600	250	35°	18.0 (60')	2	1
K4129S*	129	104	118	9.5	8.2	4.9	600	250	35°	16.0 (53')	2	1
K4144S*	144	117	132	10.5	9.1	4.9	600	250	35°	18.0 (60')	2	1
K4190EGS*	190	154	175	13.4	12.0	4.9	700	250	45°	22.4 (74')	2	1
K4211EGS*	211	171	194	14.5	13.1	4.9	700	250	45°	24.1 (79')	2	1
K4232EGS*	231	187	212	15.6	14.4	4.9	700	250	45°	25.0 (82')	2	1

1 - Wheat capacity based on typical consolidated/compacted bulk density in silo. **2** - Max. Load based on engineering design. This may not apply to products other than grain. **3** - Auger lengths are indicative only and are based on 40° angle. **4** - Pilot/Escort vehicle requirements may vary in certain locations (e.g. metropolitan areas). **5** - Outlet height on skid base silos increases when placed on concrete footings. Ref. Footing Plans. **6** - Number of silos that can be transported per delivery. * Purchase of this model is contingent to Kotzur being able to obtain an oversize permit for the route required to deliver this model.

FEATURES/OPTIONS

STD - Standard OPT - Optional N/A - Not Available

MODEL	CENTRE FILL DIA (MM)	ROOF SIDE INSPECTION HOLE ⁽¹⁾	SIGHT GLASS LEVEL INDICATION	EXTERNAL WALL ROOF LADDER & CAGE	REMOTE OPENING AUTO RESEALING	BASE MANHOLE	AERATION	WHITE COLORBOND WALLS ROOF	BAGGING CHUTE	FUMIGATION SYSTEM
K431S	500	OPT	STD ^(A)	OPT	STD	STD	OPT	OPT	OPT	STD
K448S	500	OPT	STD ^(A)	OPT	STD	STD	OPT	OPT	OPT	STD
K458S	500	OPT	STD ^(A)	OPT	STD	STD	OPT	OPT	OPT	STD
K481S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K492S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K486S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4100S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4114S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4128S	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4129S*	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4144S*	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4188S*	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD
K4231S*	610	OPT	STD ^(B)	OPT	STD	STD	OPT	OPT	N/A	STD

1 - Due to OHS regulations, from Jan 2003 roof manhole and internal ladder are no longer supplied. **A** - One sight glass is standard in each ring. Additional sight glasses are optional. **B** - One sight glass is standard in each ring plus one additional sight glass high in top ring

WARRANTY - Kotzur Pty Ltd are confident in the quality of the products they design, manufacture and supply. The company guarantees its product for a period of five years from date of purchase. This guarantee covers faulty design, engineering and workmanship however does not include problems arising from factors over which they have no control. These factors include footings constructed by others, negligent damage, unintended use of products, poor maintenance of care, normal wear and tear. Please note that this warranty excludes Consequential losses.

Whilst every care has been made in the preparation of this brochure, the company does not accept responsibility for inadvertent errors. It reserves the right to make changes and improvements to its products without further notice 19/07/2023