



# KOTZUR

## FERTILISER SILOS



A family  
owned  
Australian  
business



### APPLICATION

Granular Fertiliser Storage

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Grain Storage

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For Nitrogen fertilisers and long term storage of grain, the gas option is recommended

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### FEATURES

- Fully factory assembled and delivered ready to use
- Hopper protected internally with High Build Epoxy coating
- Colorbond walls/roof and galvanised hopper/support structure
- 50° hopper for maximum flow
- Large diameter outlet with rack and pinion.
- Ground Operated Centre Lid Opening
- Optional External wall/roof ladder for roof access
- 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 <sup>3</sup> | CAPACITY FERTILISER <sup>1)</sup> T | MAX LOAD T <sup>(2)</sup> | HEIGHT TO CENTRE M | HEIGHT TO EAVE M | NOM. DIAMETER M | OUTLET HEIGHT MM | OUTLET DIAMETER MM | CONE ANGLE | AUGER LENGTH <sup>(3)</sup> M (FT) | FOOTING PLAN STYLE | WIDE LOAD PILOTS <sup>(4)</sup> | SILOS PER TRUCK <sup>(6)</sup> |
|--------|-------------------------|-------------------------------------|---------------------------|--------------------|------------------|-----------------|------------------|--------------------|------------|------------------------------------|--------------------|---------------------------------|--------------------------------|
| K432F  | 32                      | 30                                  | 31                        | 5.9                | 4.9              | 3.4             | 500              | 450                | 50°        | 10.2 (34')                         | 4 LEG              | None                            | 2                              |
| K440F  | 40                      | 38                                  | 40                        | 6.7                | 5.7              | 3.4             | 500              | 450                | 50°        | 13.2 (43')                         | 4 LEG              | None                            | 2                              |
| K442F  | 42                      | 40                                  | 42                        | 6.1                | 5.0              | 3.8             | 600              | 450                | 50°        | 10.7 (36')                         | 4 LEG              | 1                               | 2                              |
| K452F  | 52                      | 49                                  | 52                        | 6.9                | 5.8              | 3.8             | 600              | 450                | 50°        | 13.9 (46')                         | 4 LEG              | 1                               | 2                              |
| K464F  | 64                      | 61                                  | 65                        | 7.4                | 6.2              | 4.2             | 500              | 450                | 50°        | 14.8 (49')                         | ROUND              | 1                               | 2                              |
| K475F  | 75                      | 71                                  | 75                        | 8.1                | 6.9              | 4.2             | 500              | 450                | 50°        | 16.4 (54')                         | ROUND              | 1                               | 2                              |
| K478F  | 78                      | 74                                  | 78                        | 7.7                | 6.4              | 4.6             | 500              | 450                | 50°        | 15.4 (50')                         | ROUND              | 2                               | 1                              |
| K492F  | 92                      | 87                                  | 92                        | 8.6                | 7.3              | 4.6             | 500              | 450                | 50°        | 17.2 (56')                         | ROUND              | 2                               | 1                              |
| K4106F | 106                     | 100                                 | 106                       | 9.4                | 8.1              | 4.6             | 500              | 450                | 50°        | 18.8 (62')                         | ROUND              | 2                               | 1                              |

**1** - Fertiliser capacity calculated at 950 kg/m<sup>3</sup>. **2** - Max. Load based on engineering design for fertiliser at 1000kg/m<sup>3</sup> This will vary for products with differing properties. **3** - Auger lengths are indicative only and are based on 30° angle (a lesser angle compared to grain). **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.

## FEATURES/OPTIONS

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

| MODEL  | CENTRE FILL DIA (MM) | ROOF SIDE INSPECTION HOLE <sup>(1)</sup> | SIGHT GLASS LEVEL INDICATION | EXTERNAL WALL ROOF LADDER & CAGE | REMOTE OPENING STANDARD | SEALED GASTIGHT | REMOTE OPENING AUTO SEALING | 4 LEG BASE | RACK AND PINION OUTLET | BASE MANHOLE | WHITE COLORBOND WALLS ROOF |
|--------|----------------------|--|------------------------------|----------------------------------|-------------------------|-----------------|-----------------------------|------------|------------------------|--------------|----------------------------|
| K432F  | 500                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | STD        | STD                    | STD          | STD                        |
| K440F  | 500                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | STD        | STD                    | STD          | STD                        |
| K442F  | 500                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | STD        | STD                    | STD          | STD                        |
| K452F  | 500                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | STD        | STD                    | STD          | STD                        |
| K464F  | 610                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | OPT        | STD                    | STD          | STD                        |
| K475F  | 610                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | OPT        | STD                    | STD          | STD                        |
| K478F  | 610                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | OPT        | STD                    | STD          | STD                        |
| K492F  | 610                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | N/A        | STD                    | STD          | STD                        |
| K4106F | 610                  | OPT                                      | STD                          | OPT                              | STD                     | OPT             | STD                         | N/A        | STD                    | STD          | STD                        |

**1** - Due to OHS regulations, from Jan 2003 roof manhole and internal ladder are no longer supplied. **2** - One Sight Glass is standard in each ring, plus one additional sight glass high in top ring. Additional Sight Glasses are optional.

## TYPICAL FERTILISER DENSITIES

| PRODUCT                | DOUBLE SUPER | MAP       | DAP       | UREA      |
|------------------------|--------------|-----------|-----------|-----------|
| TONNES/ M <sup>3</sup> | 0.97-1.05    | 0.84-1.00 | 0.83-0.90 | 0.71-0.77 |

**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