



# KONGSKILDE

## Batch Drier

### *KBD 2*

#### Technical Specifications

#### **Efficient and Economical Drying**

Kongskilde KBD Batch drier is build very compact, giving a good performance at a low investment.

The lateral ducts are tapered for the uniform distribution of drying air.

The drier is built from galvanised components for a long service life.

#### **Bottom Hopper**

The Bottom Hopper has also lateral ducts to dry the grain in the hopper. The outlet has a manual-sliding gate.

#### **Drying Sections**

The drying sections have laterals in a narrow pattern giving high volume airflow. In this way the KBD drier provide a high drying capacity and a reduced tendency for the uneven drying known to all batch dryers.

Hot air plenum with transition to blowers is standard.

#### **Buffer Section**

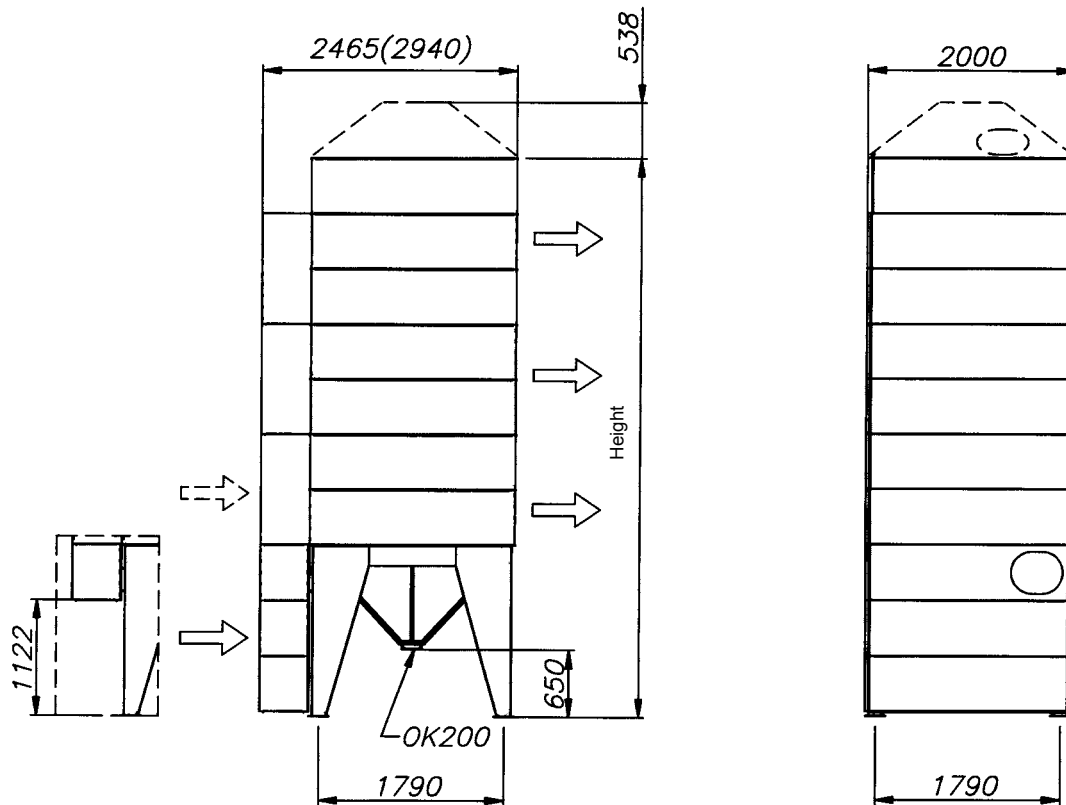
The buffer section on top of the drying column keeps the drying sections full when the grain shrinks during the drying process.

#### **Optional Extras**

- Moist air plenum with duct to lead the moist and dusty air out of the building.
- Airshutters in the plenum to use the drier part full.
- Kongskilde supplies control panels with automatic control to comply with customer wishes.
- Blowers and Heaters for oil, gas and hot water.



**Dimensions** All dimensions in mm.



| Nominal Capacities |                |                           | Wheat 19% - 15% |            |                 |            | Maize 22% - 15% |            |                   | Air Regr. | Height | Weight |
|--------------------|----------------|---------------------------|-----------------|------------|-----------------|------------|-----------------|------------|-------------------|-----------|--------|--------|
| Type               | Holding Volume | Holding Capacity          | Drying air 45°C |            | Drying air 60°C |            | Drying air 75°C |            |                   |           |        |        |
| KBD                | M <sup>3</sup> | 0,75T/m <sup>3</sup><br>T | Cap.            | Heat Reqr. | Cap.            | Heat Reqr. | Cap.            | Heat Reqr. | M <sup>3</sup> /H | mm        | Kg     |        |
| 2.04.1             | 8,6            | 6,4                       | 1,5             | 92.016     | 2,4             | 138.024    | 1,9             | 184.032    | 10.650            | 4.330     | 8.500  |        |
| 2.05.1             | 10,0           | 7,4                       | 1,9             | 114.480    | 3,0             | 171.720    | 2,4             | 228.960    | 13.250            | 4.865     | 9.800  |        |
| 2.06.1             | 11,4           | 8,5                       | 2,2             | 136.944    | 3,6             | 205.416    |                 |            | 15.850            | 5.400     | 11.300 |        |
| 2.06.2             | 13,3           | 9,9                       | 2,2             | 136.944    | 3,6             | 205.416    | 2,9             | 273.888    | 15.850            | 5.935     | 12.850 |        |
| 2.07.1             | 12,8           | 9,5                       | 2,6             | 159.408    | 4,2             | 239.112    |                 |            | 18.450            | 5.935     | 12.600 |        |
| 2.07.2             | 14,7           | 11,0                      | 2,6             | 159.408    | 4,2             | 239.112    | 3,4             | 318.816    | 18.450            | 6.470     | 14.200 |        |
| 2.08.2             | 16,2           | 12,1                      | 3,0             | 181.872    | 4,8             | 272.808    | 3,8             | 363.744    | 21.050            | 7.005     | 15.800 |        |
| 2.09.2             | 17,6           | 13,1                      | 3,3             | 204.336    | 5,4             | 306.504    | 4,3             | 408.672    | 23.650            | 7.540     | 17.200 |        |
| 2.10.2             | 19,0           | 14,2                      | 3,7             | 226.800    | 6,0             | 340.200    | 4,8             | 453.600    | 26.250            | 8.075     | 18.700 |        |

All capacities relate to input of moist, clean, 20 °C grain, - excl. cooling, filling and emptying time. Ambient air 15 °C and 70 % RH. - Driers used at lower ambient temperatures or erected outdoor need additional heat to reach nominal capacity.

The drying capacity depend on actual blower and heater combination.

Grain is a biological product and change from lot to lot, - therefore all data are nominal only.



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