

Batch Drier

KBD 2

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

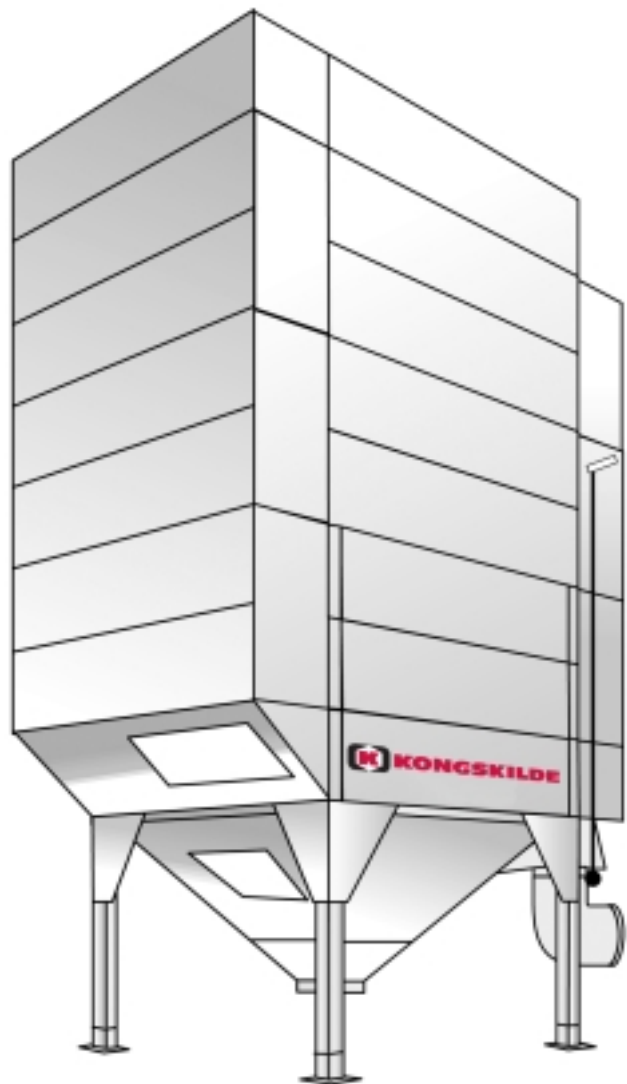
The drying sections have laterals in a narrow pattern giving high volume airflow. In this way the KBD drier provide a high drying capacity and a reduced tendency for the uneven drying known to all batch dryers. Hot air plenum with transition to blowers is standard.

Buffer Section

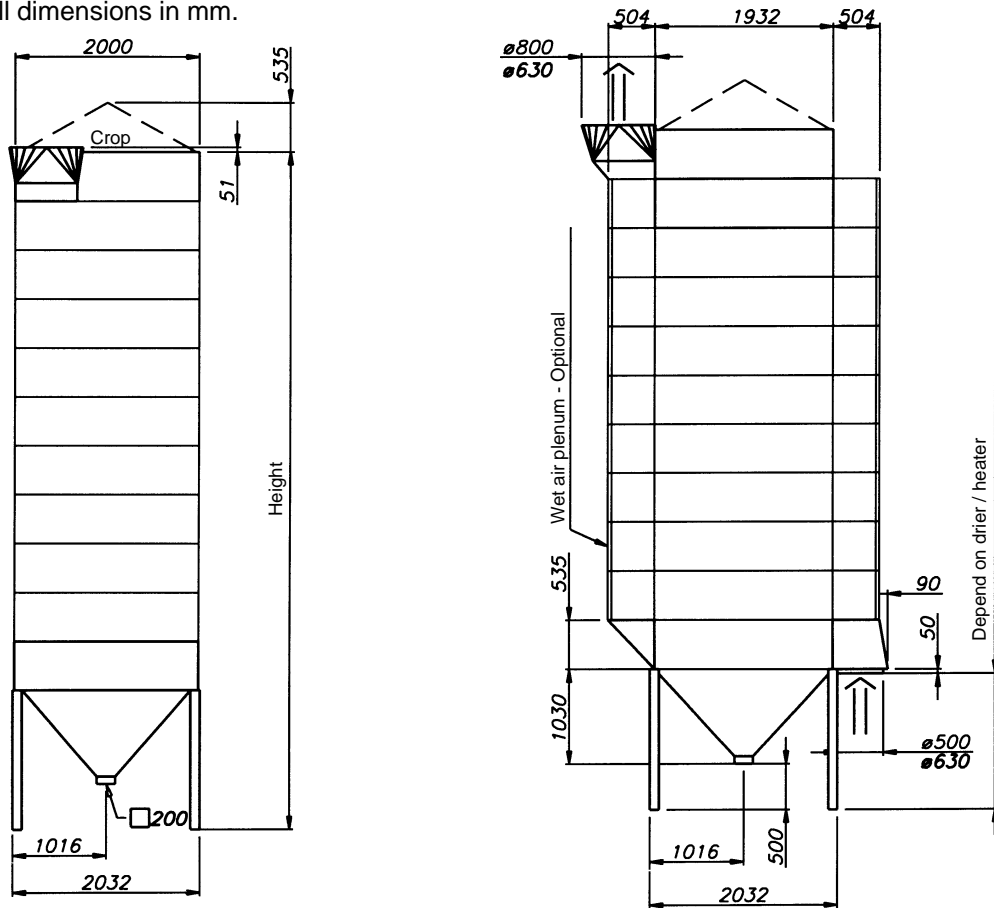
The buffer section on top of the drying column keeps the drying sections full when the grain shrinks during the drying process.

Optional Extras

- Moist air plenum with duct to lead the moist and dusty air out of the building.
- Airflaps 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 25% - 15%			Air Reqr.	Height	Weight
Type	Holding Volume	Holding Capacity	Drying air 45°C		Drying air 60°C		Drying air 75°C					
KBD	M ³	0,75T/m ³	Cap.	Heat Reqr.	Cap.	Heat Reqr.	Cap.	Heat Reqr.	M ³ /H	mm	Kg	
		T	T/H	Kcal/H	T/H	Kcal/H	T/H	Kcal/H				
2.03.1	7,8	5,8	0,9	54000	1,4	81000	0,6	108000	6250	3670	7600	
2.04.1	9,4	7,0	1,1	71280	1,8	106920	0,9	142560	8250	4205	9100	
2.05.1	11,0	8,2	1,4	88560	2,2	132840	1,1	177120	10250	4740	10600	
2.06.1	12,6	9,4	1,7	105840	2,7	158760			12250	5275	12200	
2.06.2	14,6	10,9	1,7	105840	2,7	158760	1,3	211680	12250	5810	13850	
2.07.1	14,2	10,6	2,0	123120	3,1	184680			14250	5810	13700	
2.07.2	16,2	12,2	2,0	123120	3,1	184680	1,5	246240	14250	6345	15400	
2.08.2	17,8	13,3	2,3	140400	3,5	210600	1,8	280800	16250	6880	17000	
2.09.2	19,4	14,5	2,5	157680	4,0	236520	1,9	315360	18250	7415	18600	
2.10.2	21,0	15,7	2,8	174960	4,4	262440	2,2	349920	20250	7950	20200	

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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