



## Continuous Flow Drier *KCD 3*

### **Effective and Economical Drying**

Kongskilde KCD drier is designed to provide the best possible heat economy and gentle drying and cooling of the crop in one continuous operation. The good drying economy is due to the tapered shape and pattern of the air ducts. The drier is built from galvanised components for a long service life.

### **The way through the drier**

The grain is filled into the buffer section on top of the drier. The crop zigzags slowly through the drying sections. Then the crop passes the cooling section, where it is cooled by natural air. In the discharge section metering rollers control velocity of the grain through the drier. The bottom hopper has inspection door.

### **The Drying- and Cooling Section keeps clean**

The KCD drier has a smooth surface on the inside. There are no screws or sharp edges, where the crop can hide.

### **The Buffer Section**

The top buffer section has a roof with inspection door. This reduces the pollution of dust and moist air into the neighbouring environment.



### Even Discharge

The metering rollers of the discharger provide an even flow of the grain through the column. The discharge capacity of the rollers is variable. A set of flaps are placed below the rollers, - used for quick emptying of the drier. The discharger is mounted with 0,37 kW electric motor. A pulse discharger with swing gates can be delivered for high moisture grains e.g. maize.

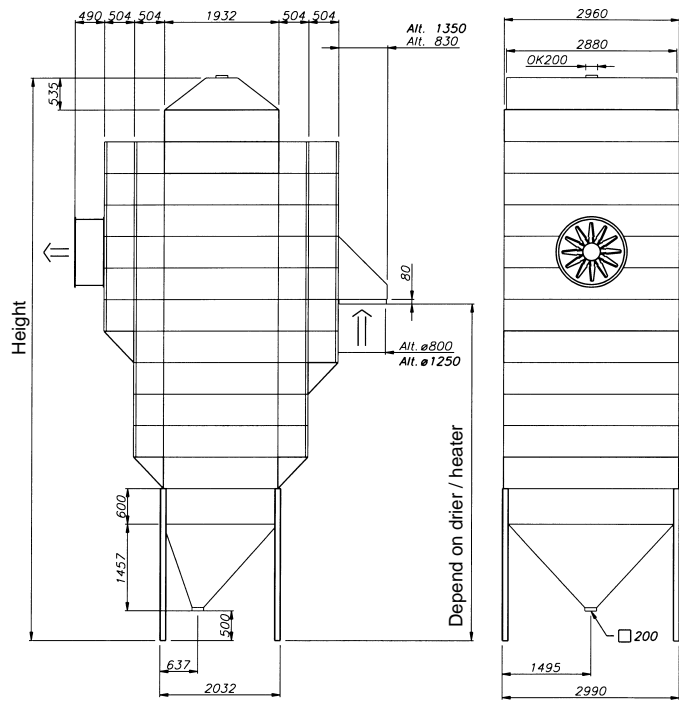
### Variable Drying- and Cooling Zone

The size of the drying- and cooling zones is variable by means of flaps in the hot air plenum.

### Optional Extras

- Extra buffer sections for intermittent supply of grain.
- Level sensors in the buffer section and outlet hopper ensure a constant supply of grain as the drier works.
- Kongskilde supplies blowers and heaters for oil, gas and hot water.
- Kongskilde supplies control panels with automatic control to comply with customer wishes.

### All Dimensions i mm.



Nominal Capacities			Wheat 19% - 15%				Maize 35% - 15%			Air Reqr.	Height	Weight
Type	Holding Volume	Holding Capacity	Drying air 65°C		Drying air 90°C		Drying air 100°C					
KCD	M <sup>3</sup>	0,75T/m <sup>3</sup> T	Cap.	Heat Reqr.	Cap.	Heat Reqr.	Cap.	Heat Reqr.	M <sup>3</sup> /H	mm	Kg	
			T/H	Kcal/H	T/H	Kcal/H	T/H	Kcal/H				
3.07.2	21,5	16,1	4,9	288000	7,8	432000	1,7	489600	28000	7905	23000	
3.08.2	23,6	17,7	5,9	345600	9,4	518400	2,1	587520	32000	8440	25400	
3.09.2	25,7	19,3	6,9	403200	10,9	604800	2,4	685440	36000	8975	27800	
3.10.2	27,8	20,9	7,8	460800	12,5	691200	2,8	783360	40000	9510	29700	
3.11.2	29,9	22,4	7,8	460800	12,5	691200	3,1	881280	44000	10045	31600	
3.12.2	32,0	24,0	8,8	518400	14,1	777600	3,5	979200	48000	10580	34000	
3.13.2	34,1	25,6	9,8	576000	15,6	864000	3,5	979200	52000	11115	35900	
3.14.2	36,2	27,2	10,8	633600	17,2	950400	3,8	1077120	56000	11650	38300	
3.15.2	38,3	28,7	11,8	691200	17,2	950400	4,2	1175040	60000	12185	40200	
3.16.2	40,4	30,3	12,7	748800	18,8	1036800	4,5	1272960	64000	12720	42600	
3.17.3	45,5	34,1	12,7	748800	20,3	1123200	4,9	1370880	68000	13790	46500	
3.18.3	47,6	35,7	13,7	806400	21,9	1209600	5,2	1468800	72000	14325	48900	
3.19.3	49,7	37,3	14,7	864000	23,4	1296000	5,2	1468800	76000	14860	50800	
3.20.3	51,8	38,9	15,7	921600	25,0	1382400	5,5	1566720	80000	15395	53200	

All capacities relate to input of moist, clean, 20°C grain

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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