

Internal Design



1 LOADING HOPPER

Thanks to its special internal geometry, the hopper ensures the ideal flow of the grain and an optimal feed into the drying column.

2 FANS

Placed on the opposite side of the burner, they work in suction mode, ensuring a uniform air flow. The fans are equipped with a silencer and a shutter to minimize acoustic and dust emissions into the environment.

3 CATWALKS

Fitted outside and inside the grain dryer, they provide safe and easy access for routine inspection and maintenance, ensuring maximum safety for operators.

4 AIR DUCTS

The profile of the ducts is designed to facilitate the flow of the grain and heat exchange between the hot air and the grain to be dried.

5 HEAT GENERATOR

The inline burner, available for natural gas and LPG, ensures accurate modulation and air temperature uniformity. Also available in a diesel version.

6 EXTRACTION DEVICE

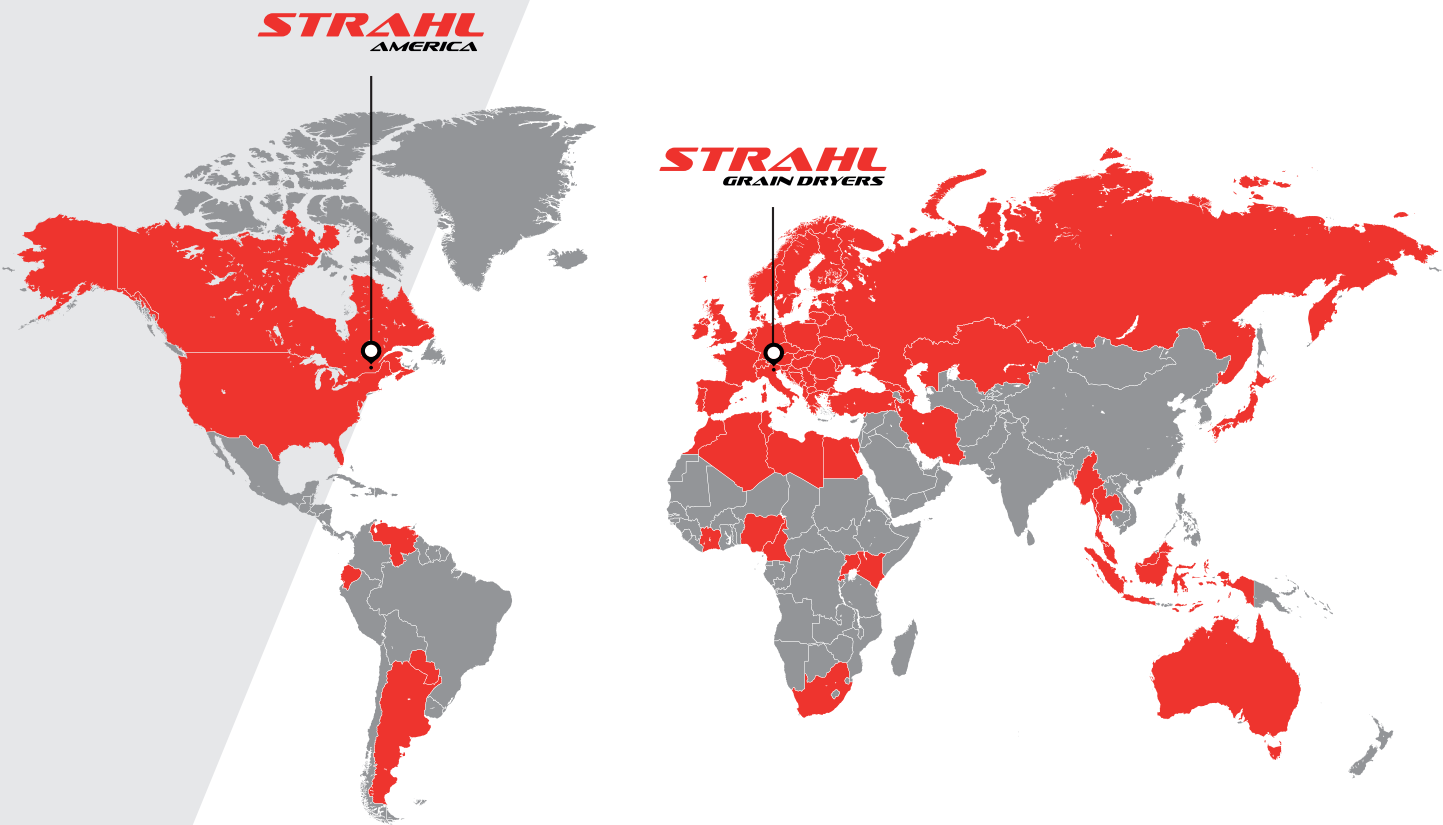
Consisted of opening shutters that allow for an even and controlled grain discharge.

7 BASEMENT

Structural element anchored to the ground that ensures the stability of the dryer, certified to withstand extreme wind, snow and seismic conditions.



DISCOVER THE PRODUCTS



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STRAHL
GRAIN DRYERS

FB SERIES
Grain Dryer



FB Series: the continuous flow grain dryer

The FB series ensures optimal drying in a single step. The wet product is fed into the top of the dryer, gradually flow through the column and is by hot air, which allows the moisture to be progressively removed.

The cooling process, which takes place at the bottom of the dryer, allow the product to be stored for long time.

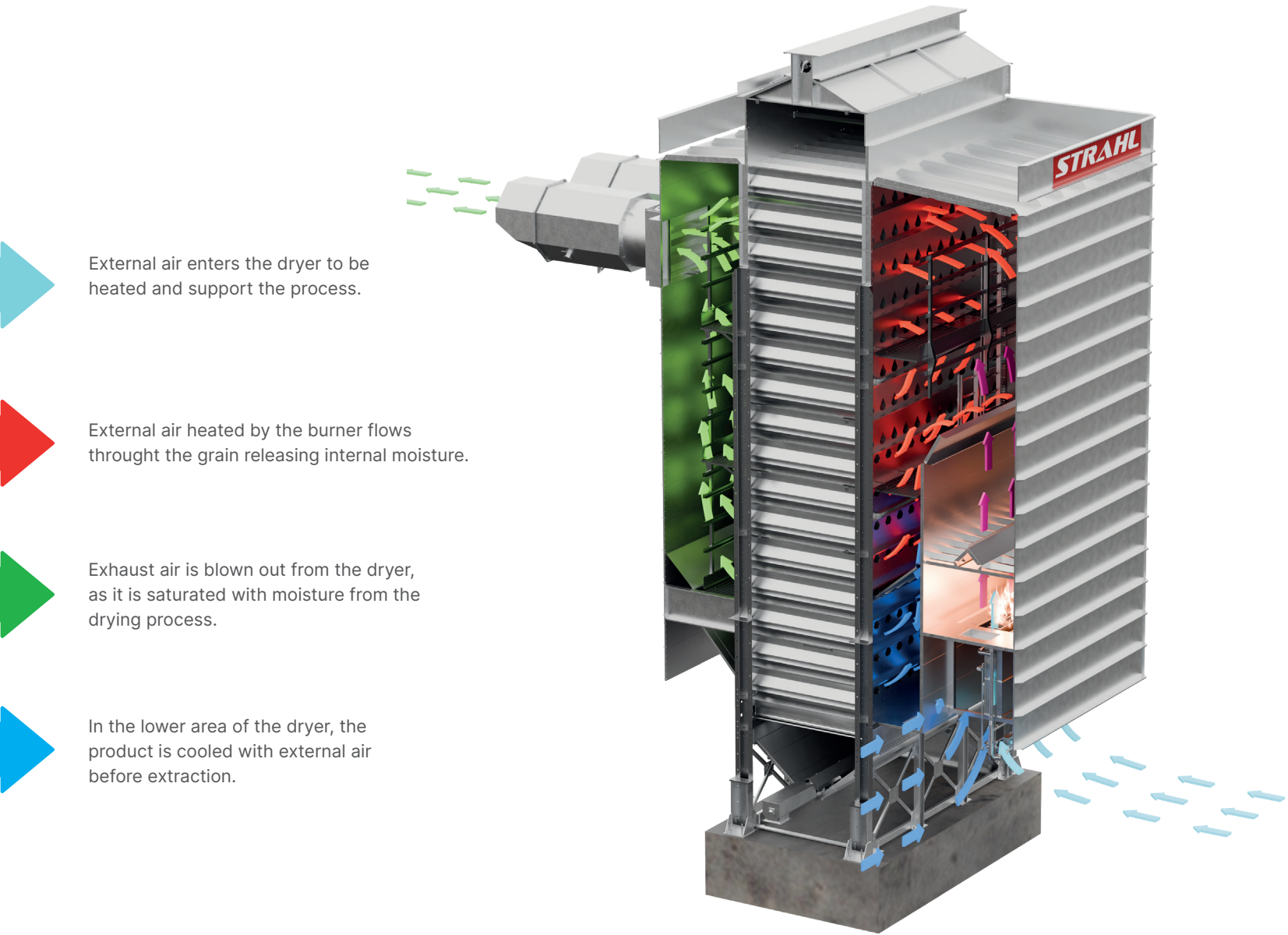


The Strahl software control

A SMART PROCESS CONTROL SYSTEM

The Strahl software, developed specifically for our dryers, tailored to customers' needs, ensures precise temperature control and full data management, avaiable on the cloud. Thanks to predictive analytics and detailed reports, energy consumption is optimised, thereby improving the grain dryer efficiency. The intuitive and user-friendly touchscreen interface, with built-in connectivity, lead to continuous monitoring and remote management.

MODEL		4 MODULES					6 MODULES				
		406	408	411	413	416	608	611	613	616	618
		FB	FB	FB	FB	FB	FB	FB	FB	FB	FB
Overall dimensions	A m	2,80	2,80	2,80	2,80	2,80	4,10	4,10	4,10	4,10	4,10
	B m	5,10	5,10	5,10	5,10	5,60	5,10	5,10	5,60	6,10	6,10
	H m	6,75	7,75	9,25	10,25	11,75	7,75	9,25	10,25	11,75	12,75
Capacity	Ton	13,4	16,3	20,5	23,3	27,5	24,4	30,7	34,9	41,2	45,5
	m³	17,9	21,7	27,3	31,1	36,7	32,5	40,9	46,5	54,9	60,7
Exhaust air fans	N°	1	1	1	1	1	1	1	2	2	2
	kW	7,5	11	15	18,5	22	15	22	11	15	18,5
Nominal thermal power	kW	590	880	1.180	1.470	1.770	1.330	1.770	2.210	2.660	3.100
Hourly production rate (Ton/hour)											
Corn 35% - 15%		2,1	2,9	3,8	4,8	5,7	4,3	5,7	7,1	8,6	10,0
Corn 25% - 15%		4,0	5,3	7,3	8,6	10,6	8,4	11,6	13,7	16,9	19,0
Corn 20% - 15%		7,3	9,7	13,3	15,7	19,3	15,3	21,1	24,9	30,6	34,5

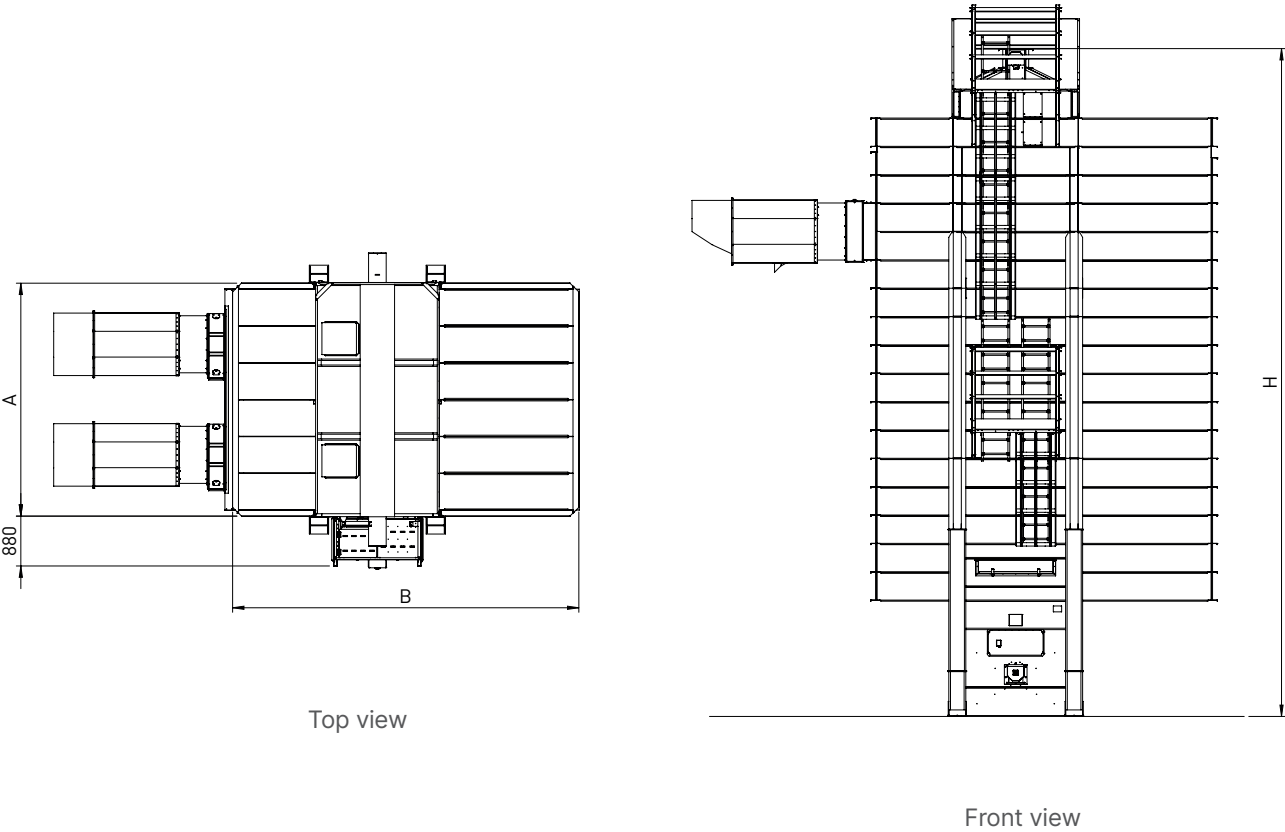


External air enters the dryer to be heated and support the process.

External air heated by the burner flows throught the grain releasing internal moisture.

Exhaust air is blown out from the dryer, as it is saturated with moisture from the drying process.

In the lower area of the dryer, the product is cooled with external air before extraction.



The technical data presented in this document are indicative and may be changed by the manufacturer without notice. They are obtained assuming an outside temperature of 15°C and a relative humidity of 70%. Indicative production estimates based on an operating air temperature of 125°C (non-binding). These figures are dependent on environmental conditions, variety, quality characteristics, and the degree of impurity of the grain to be dried.