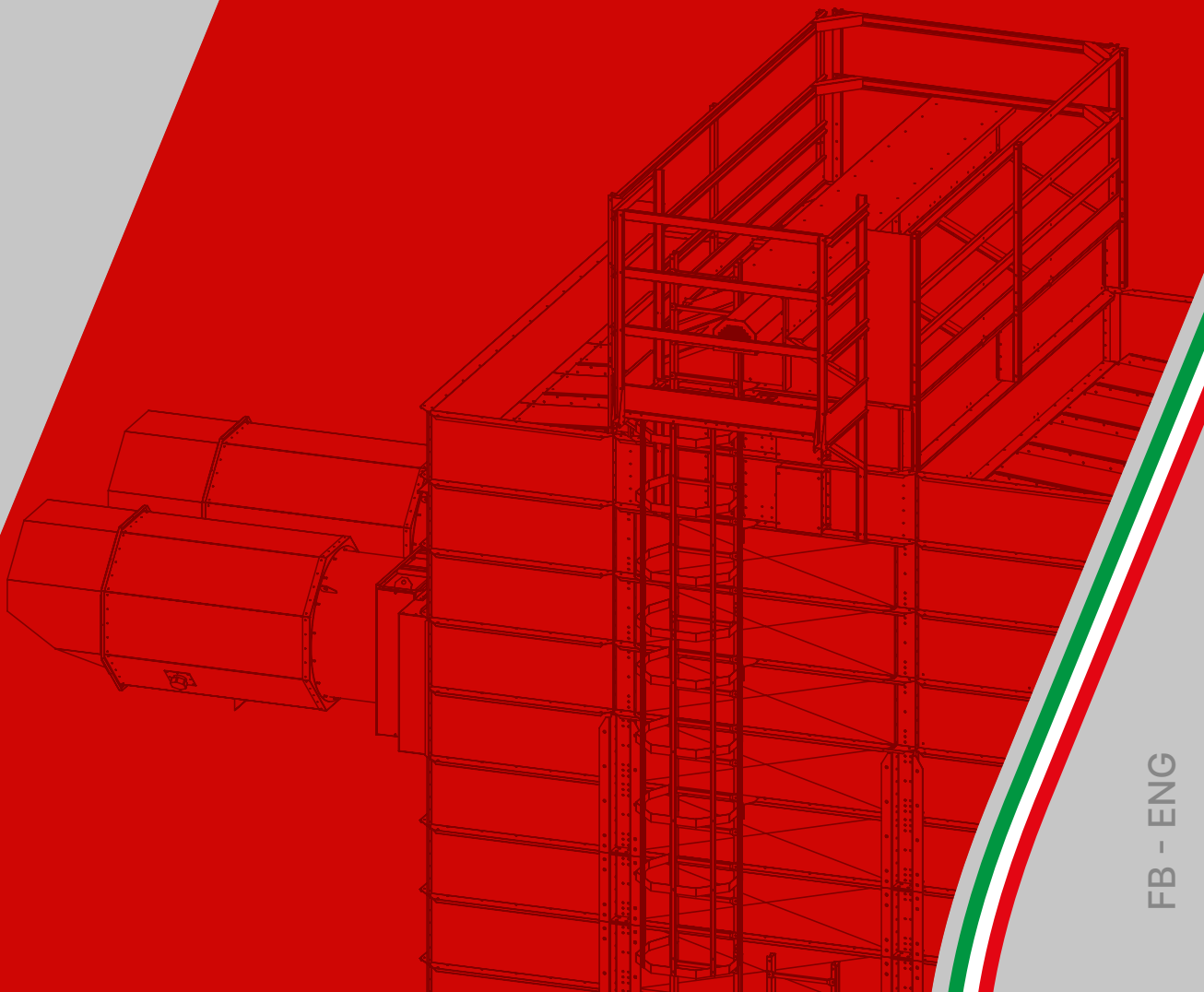


# **STRAHL**

**GRAIN DRYERS**

## **FB SERIES**

Grain Dryer



# Italian Excellence

in grain drying

**STRAHL**  
GRAIN DRYERS

With over 60 years of experience, STRAHL is internationally recognised as the benchmark in the world of dryers.

A history of research, reliability and innovation that has accompanied generations of companies by offering cutting-edge technological solutions for every drying requirement.

Every STRAHL system brings with it the heritage of decades of engineering expertise and experience, geared towards ensuring maximum efficiency, safety and durability.

Today, STRAHL is part of Perdieci Group, with which it shares management excellence, investment in innovation and the strategic vision of a cutting-edge manufacturing group.

**X10**  
PERDIECI



## RESISTANCE AND DURABILITY

The sturdiness and reliability of STRAHL dryers are proven by years of successful installations in every corner of the world.

We have designed our technology to perform even under the most extreme conditions, because a STRAHL dryer is an investment that lasts, wherever you are.

## *The reliable and safe dryer*

The FB series consists of reliable, easy-to-manage continuous flow dryers. The system's linear operation ensures fast, safe processes and uniform grain treatment.

A robust design combined with an intuitive control program makes these dryers ready for immediate use — the ideal solution for those seeking simplicity and consistent performance on small to medium capacities.

**STRAHL** dryers are pre-planned for integration into existing grain processing and storage plants.

**FB**  
**SERIES**

### **STRUCTURAL STRENGTH**

The load-bearing frame is made of hot-dip galvanised structural steel, qualified and tested for the various conditions of use.

The base is made of structural steel and designed to be anchored on a reinforced concrete slab to provide stability and safety even in the event of seismic events. The supply also includes jigs and anchor bolts.

### **LONG-LASTING**

The panels are made of steel coated with Aluzinc or Zinc-Magnesium to increase resistance to weathering and conditions of use.

### **THERMAL INSULATION**

The insulation is made of thick glass wool. It provides excellent thermal insulation and consequent energy savings.

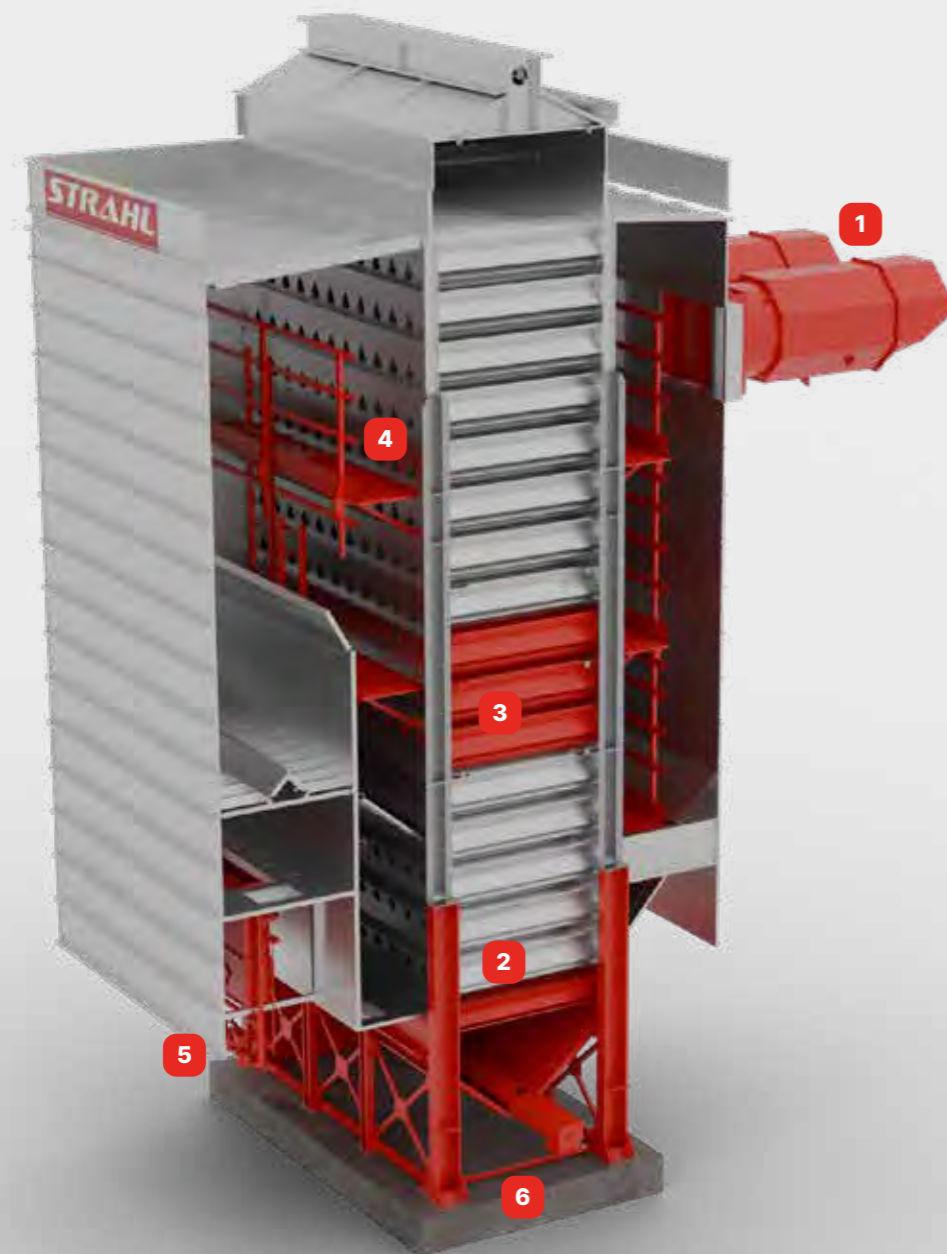
### **DUST EMISSION CONTROL**

Our systems are equipped with pneumatic dampers that block air flows during unloading, preventing the release of dust into the atmosphere.



# The technological core for even drying

Behind every STRAHL dryer is an advanced engineering system. The FB series is a quintessence of technical innovations designed to optimise every stage of the drying process, guaranteeing efficiency, precision and respect for the environment.



They generate the airflow that ensures homogeneous heat distribution throughout the entire mass of grain. They are equipped with a silencer and a damper to minimize acoustic and dust emissions into the environment.



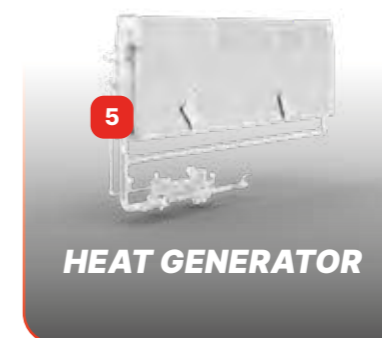
Made of flippers that allow for an even and controlled grain flow.



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.



Present throughout the system outside and inside the body, they provide safe and easy access for routine inspection and maintenance, ensuring maximum safety for operators.



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



Equipped with a hopper, it supports the extraction device and it is designed to ensure precise and reliable extraction over time.

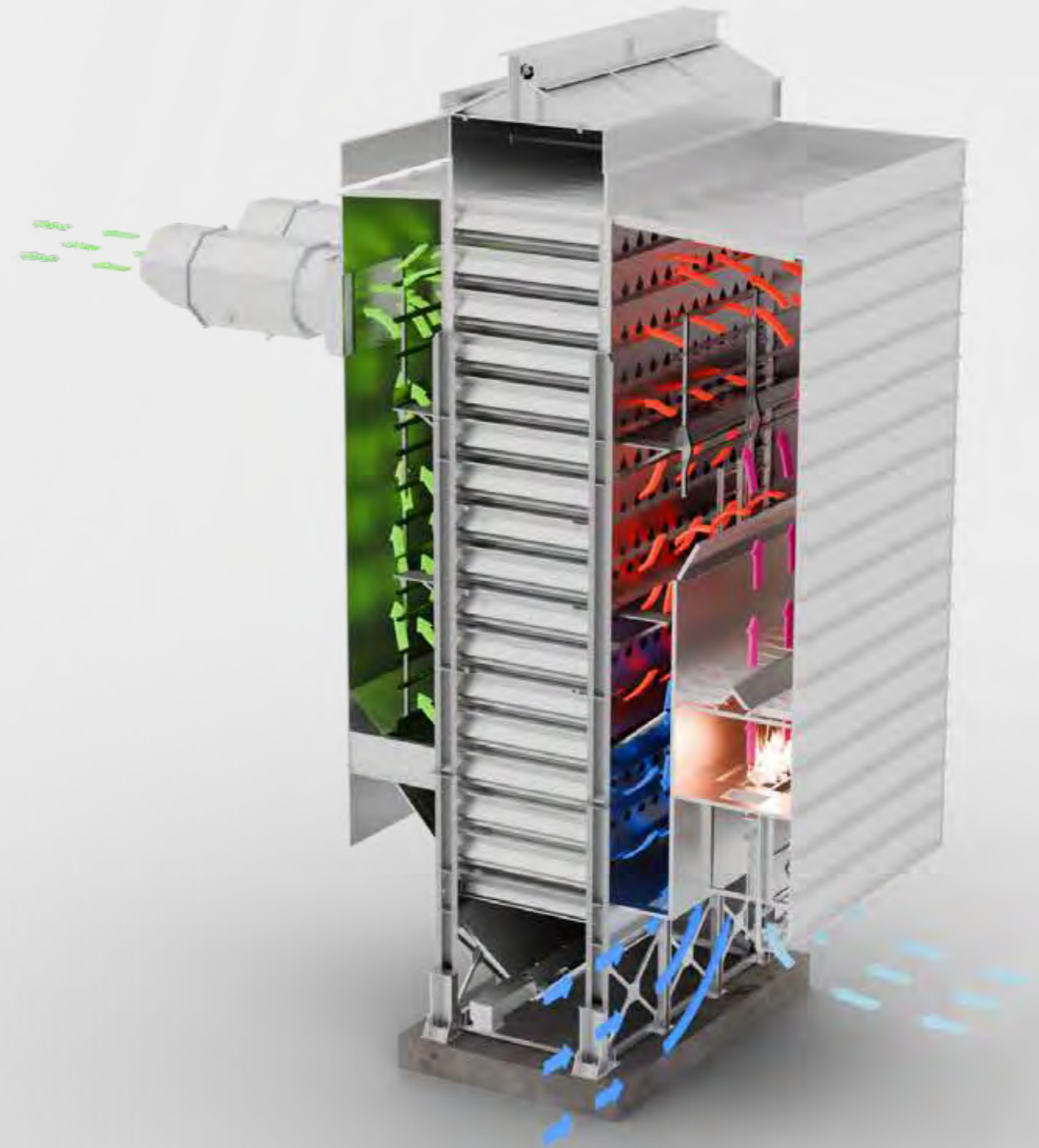
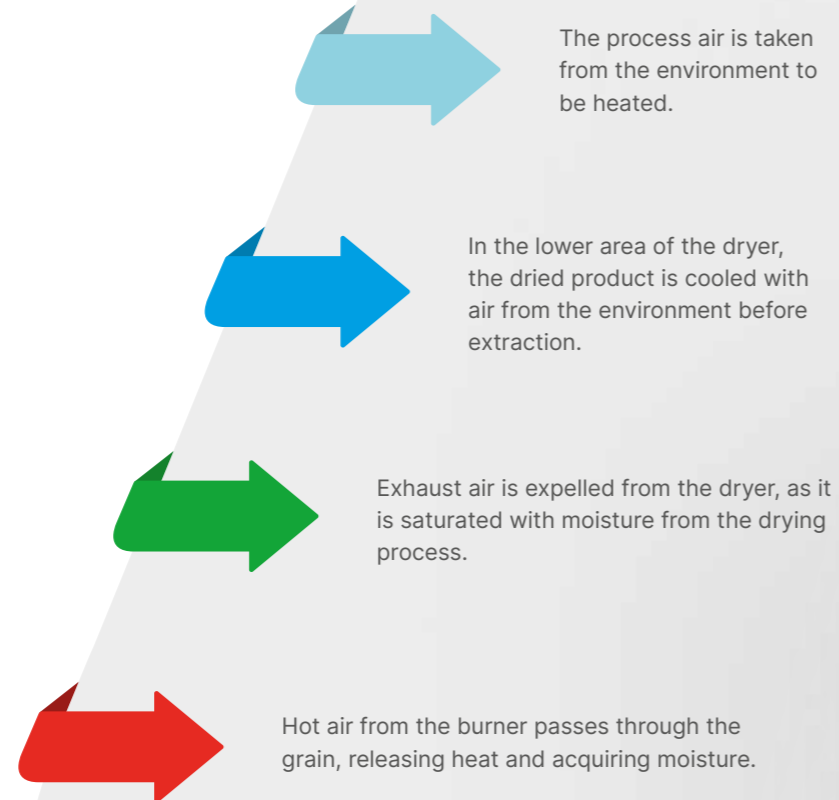
# Energy-saving drying

## MAXIMUM EFFICIENCY IN AIR RECIRCULATION

The efficiency of FB dryers comes from optimising the drying process.

The cereal drying process relies on a controlled and homogeneous airflow that uniformly passes through every layer of the grain mass.

The internal geometries and ducting of the structure promote a balanced distribution of hot air, preventing moisture build-up and ensuring consistent drying quality across the entire product.





## Our control software

Years of research and in-depth knowledge of grain characteristics have enabled us to develop exclusive work programmes.

Our control software offers tailor-made processes for each product and maximum precision in the desired final moisture content.

At each drying cycle, data is captured and stored in a secure web portal, enabling in-depth historical analysis, performance comparisons and the generation of detailed reports to support evidence-based strategic decisions and optimise consumption.

### MANAGEMENT AT YOUR FINGERTIPS

The system is designed to be easily controlled remotely, via any device. This function also allows our technical support team to intervene promptly when needed, ensuring immediate support and minimising downtime.

### USER EXPERIENCE

The large monitor and intuitive user interface make setting up the drying process quick and easy. The controls are easily accessible and information is presented in a logical and visually immediate manner, allowing any operator to manage the system safely and easily from the very first use.

## Complementary technologies

### CUSTOMISATION OPTIONS

STRAHL grain dryers offer the integration of a range of complementary systems and technologies designed to further enhance the performance, control and precision of the drying process.

#### VAP SYSTEM

STRAHL-designed technology that guarantees ultra-low dust emissions.

#### HUMIDITY CONTROL SYSTEM

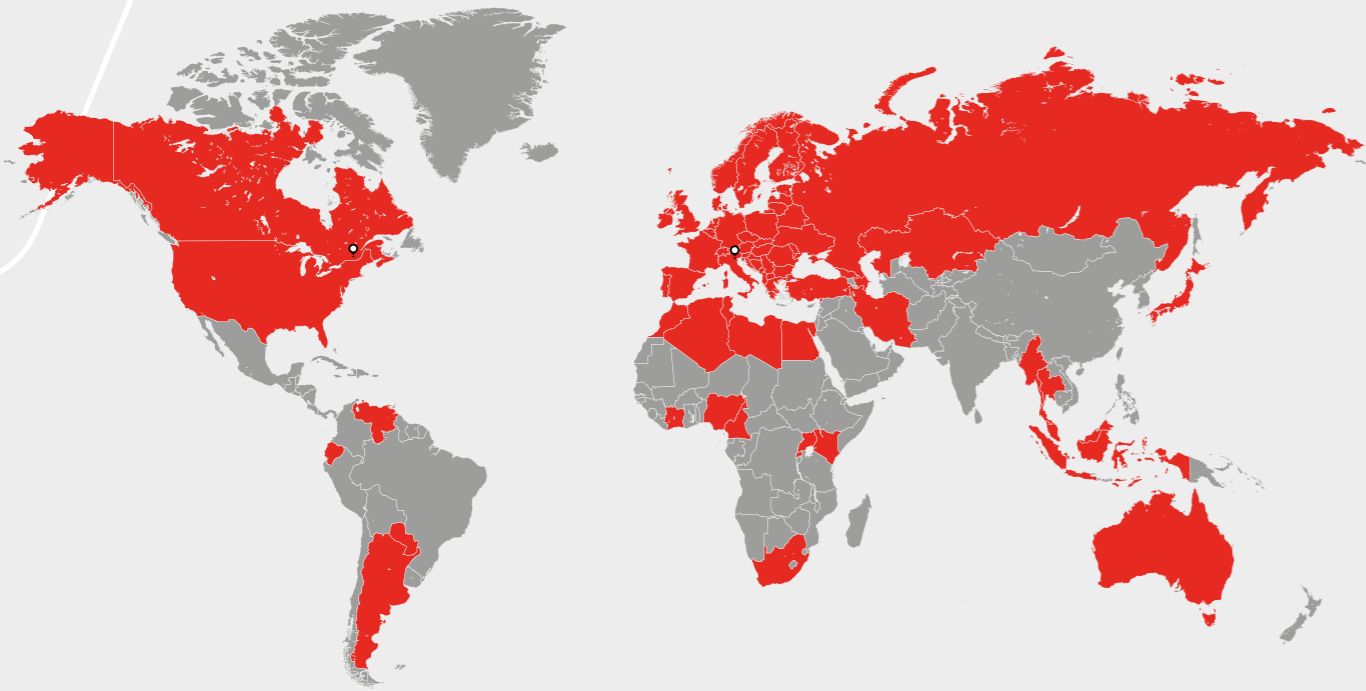
System for monitoring product moisture for additional control of the drying process.

#### EXTRACTION SPEED REGULATOR

Option to include an inverter to adjust the extraction speed.

#### ADDITIONAL TEMPERATURE MONITORING SYSTEM

This enables the monitoring of temperatures across the various dryer sections with enhanced precision.

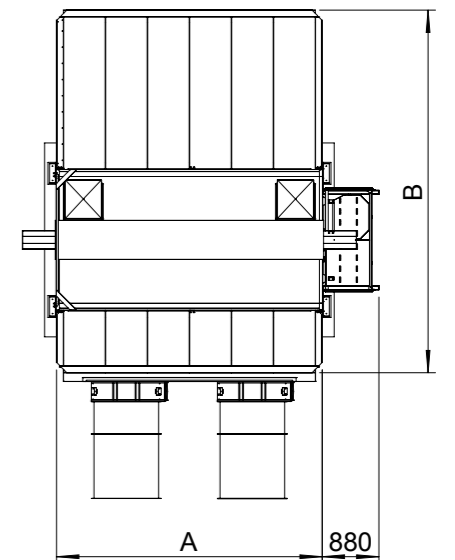
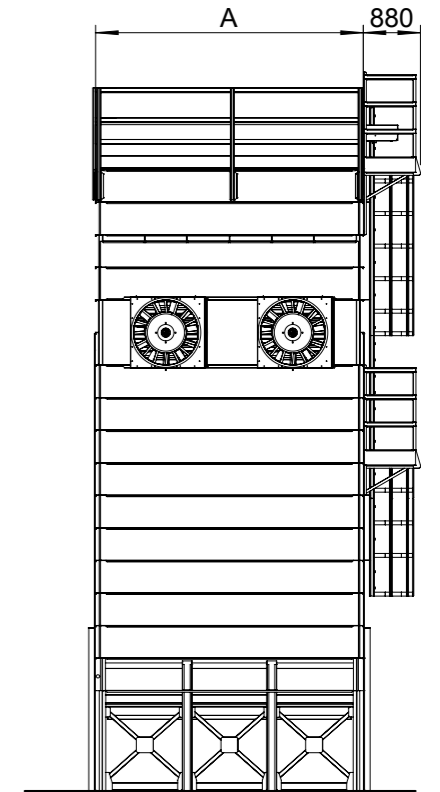
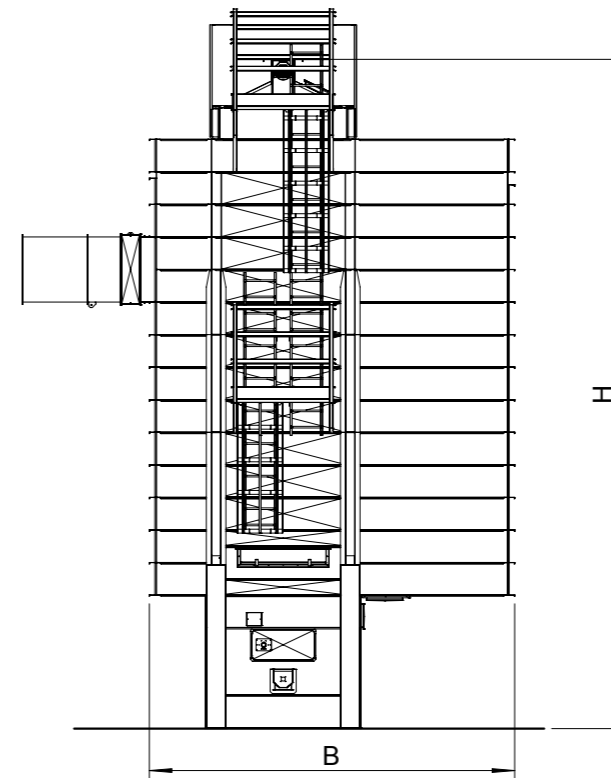


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## Dimensional Drawings

**FB**  
**SERIES**



## Customer service

### REMOTE ASSISTANCE

Our support service partners with our customers to guarantee peak operational efficiency, covering both planned maintenance and urgent needs during the drying season.

Our network of specialized technicians ensures the seamless continuity of drying processes to safeguard the value of your harvest, delivering consistently high-performing systems and minimal downtime.

# FB SERIES


## Technical Data Sheet


The FB series offers an extensive range of models designed to meet specific operational requirements. Our modular design philosophy ensures that every customer can find their perfectly sized solution.


From compact models up to the largest capacities, the FB series guarantees consistent and efficient performance.

MODEL	4 MODULES					6 MODULES					
	406 FB	408 FB	411 FB	413 FB	416 FB	608 FB	611 FB	613 FB	616 FB	618 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
	m <sup>3</sup>	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
Rated heat output	kW	590	880	1.180	1.470	1.770	1.330	1.770	2.210	2.660	3.100
Daily wet production Tonne/24h											
Mais 35% - 15%	50	69	91	115	137	103	137	171	206	240	
Mais 25% - 15%	96	127	175	207	255	202	278	329	405	455	
Mais 20% - 15%	174	232	319	377	464	368	506	598	736	827	

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