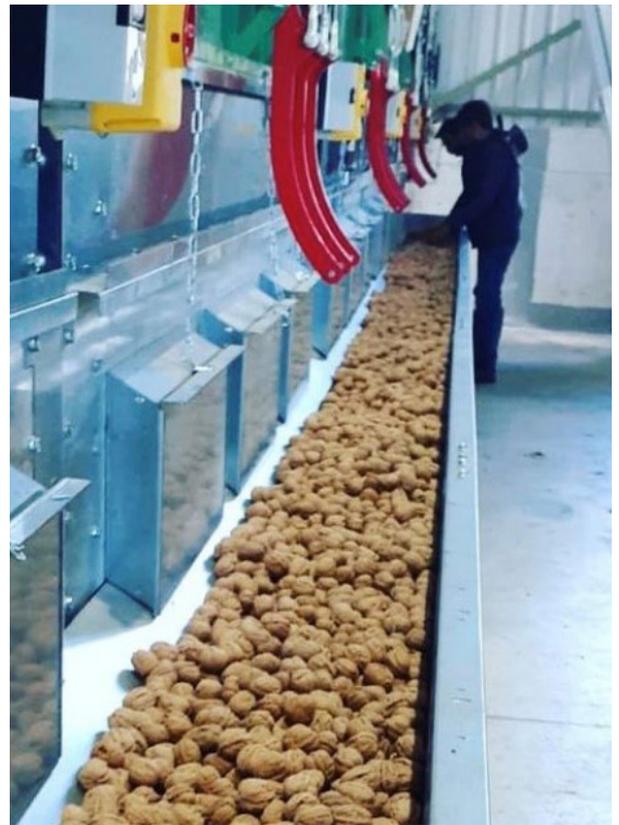


# MULTIPLE STAGE DRYER SAE



*Manufacturer of solutions for the harvest and work of the fruits*



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## General Characteristics

Our tiered dryer system is one of the most economical because it uses almost all the water vapor saturation power of the air and a large part of the calories is supplied by the generator.

The multi-storey dryer, bolted together with galvanized profiles and sheets, is composed of centrally-opening superimposed hatches. It can be equipped with a helical or centrifugal hot air generator of different power depending on the dimensions.

The tiered dryer also allows for rational drying because the nuts are pre-dried on the upper stage and then finished on the lower level; which allows a higher temperature (30 to 35 ° C). It allows to work continuously and more economically.

Our dryer is flexible according to your needs thanks to its system of extensions.

Thanks to our electronic control, you can also electronically manage the air temperature of the dryer and display in real time the temperature and hygrometry of the air before and after the first floor. The difference in hygrometry values will help to know the level of drying.



## Technical specifications

- Bolted set of galvanized sheets sections
- Helicoidal or centrifugal heat generator with different powers depending on the dimensions
- Motor vibrating floor (0.71 kW).

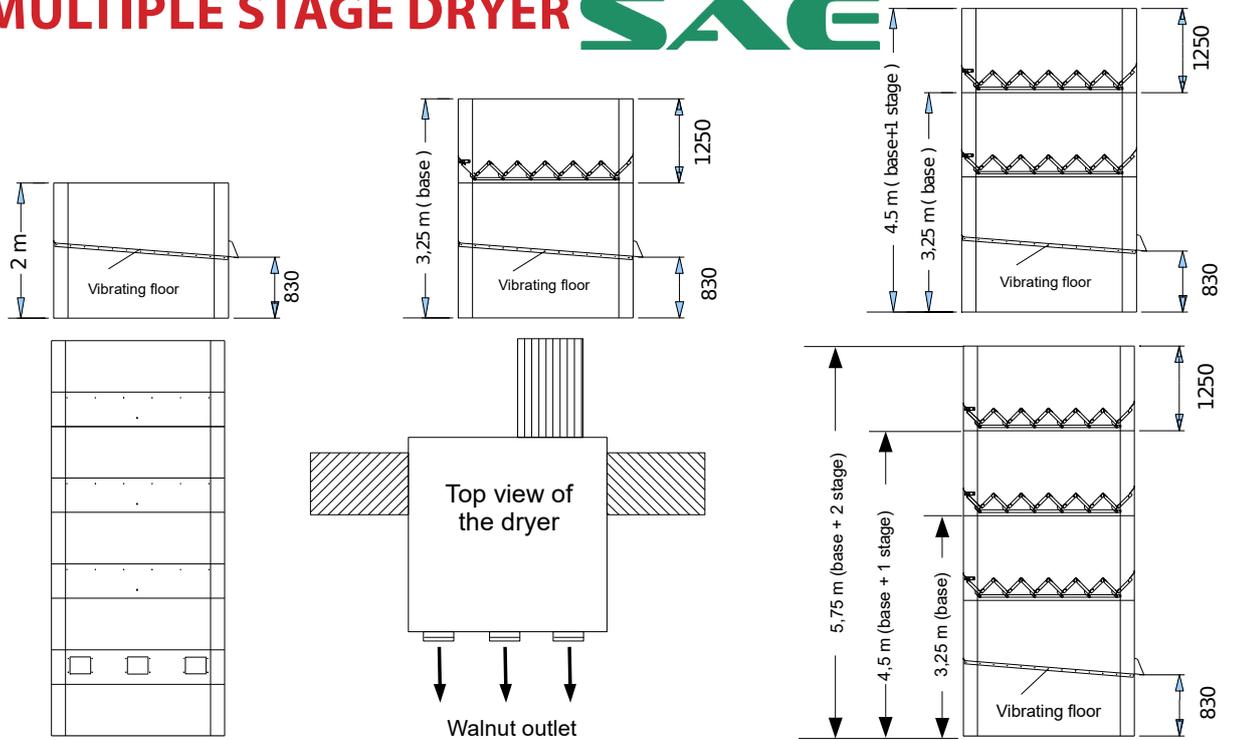
## WEIGHT AND DIMENSIONS

- Length : 2,09 m or 2,59 m
- Width : 2,09 m or 2,59 m
- Height : Depending on the number of stages
- Weight : Depending on the number of stages

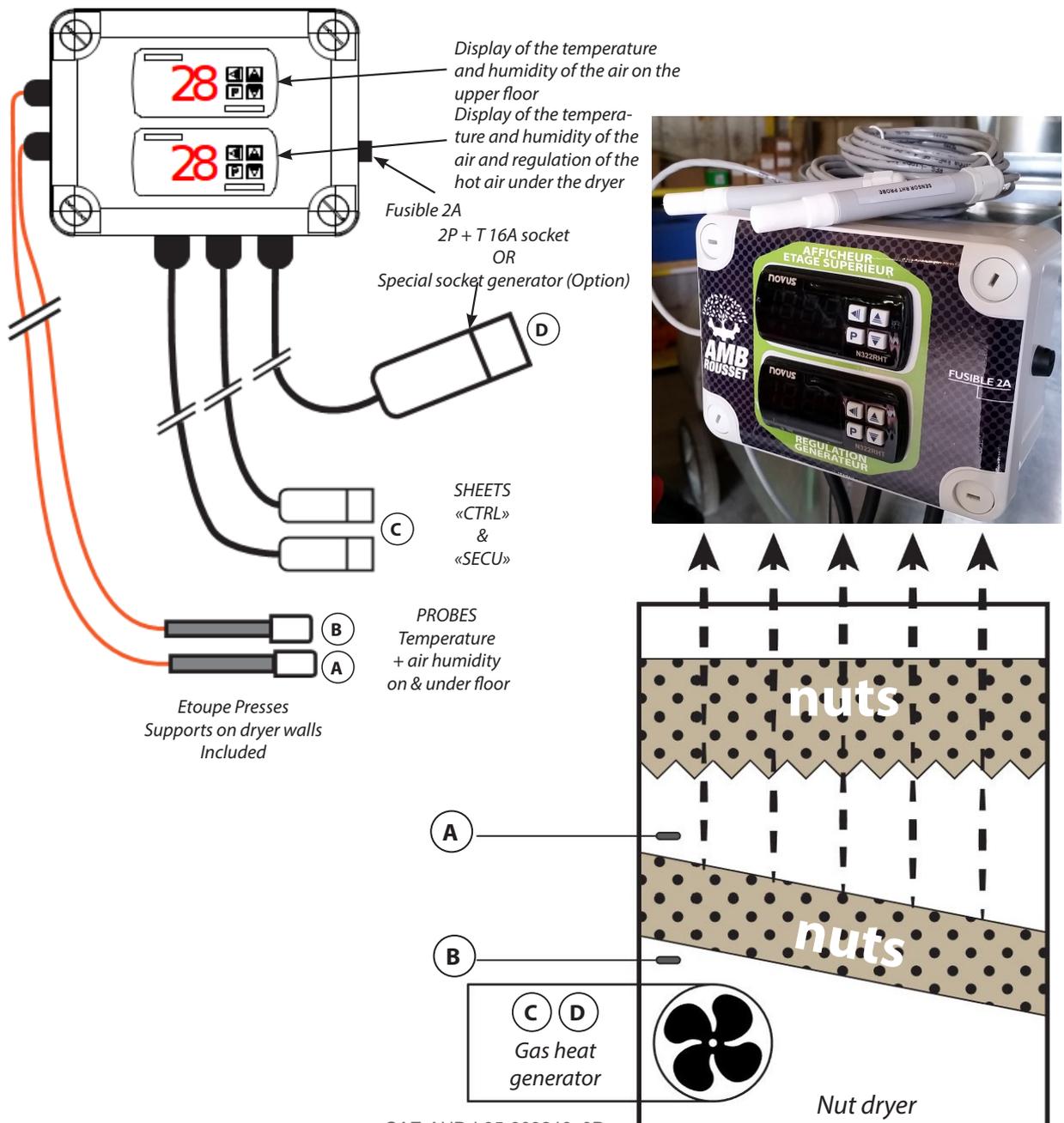
Weather and walnut conditions hypothesis						Final Walnut Humidity Objectives = 12-13 %		
Fresh walnut humidity	Relative humidity of the air	Temperature order (established by the heat generator)	Walnut drying period	Dryer size	Number of stages	Drying surface	Dryer volume	Dried walnuts Output / Day
%	%	°C	h	m x m	nb	m <sup>2</sup>	m <sup>3</sup>	T / day
55 – 60	90	30	72	2 x 2	2	8	8	0,9
40 – 45	50	25	48	2 x 2	2	8	8	1,3
55 – 60	90	30	72	2,5 x 2,5	2	12,5	12,5	1,4
40 – 45	50	25	48	2,5 x 2,5	2	12,5	12,5	2,1
55 – 60	90	30	72	2 x 2	3	12	12	1,3
40 – 45	50	25	48	2 x 2	3	12	12	2
55 – 60	90	30	72	2,5 x 2,5	3	19	19	2,1
40 – 45	50	25	48	2,5 x 2,5	3	19	19	3,1
55 – 60	90	30	72	2 x 2	4	16	16	1,8
40 – 45	50	25	48	2 x 2	4	16	16	2,6
55 – 60	90	30	72	2,5 x 2,5	4	25	25	2,8
40 – 45	50	25	48	2,5 x 2,5	4	25	25	4,1

Total height :  
 2 stages : 3,25 m (base)  
 3 stages : 4,50 m  
 4 stages : 5,75 m

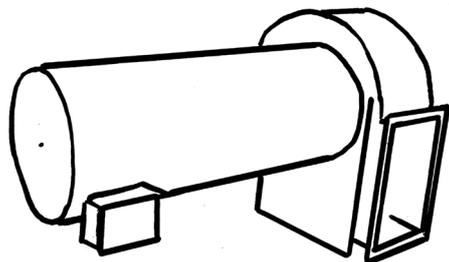
# MULTIPLE STAGE DRYER SAE



# ELECTRONIC REGULATION SAE



## Centrifugal



Delivery with digital thermometer



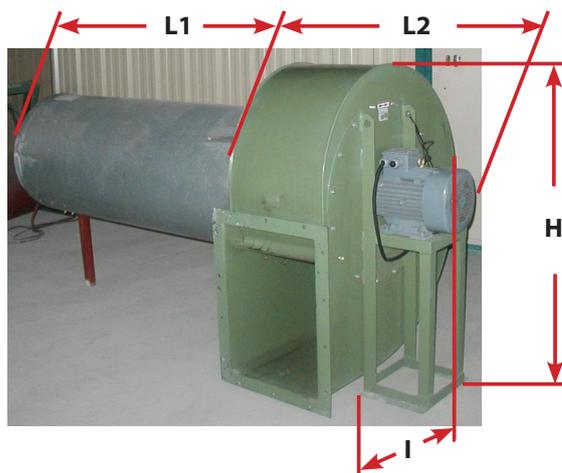
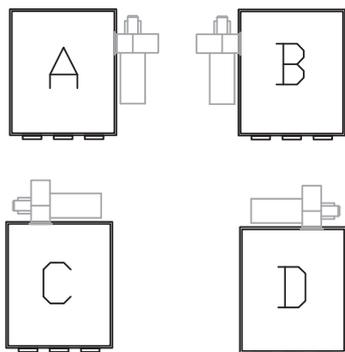
Double speed « all or few »  
2 Thermostats



Regulation thermostat

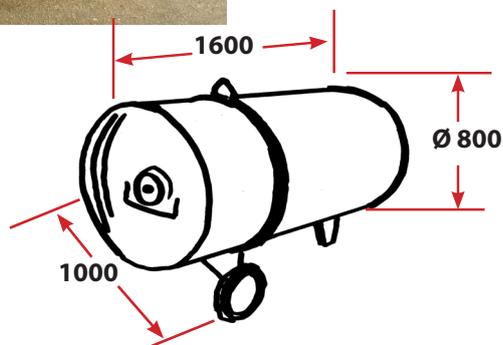
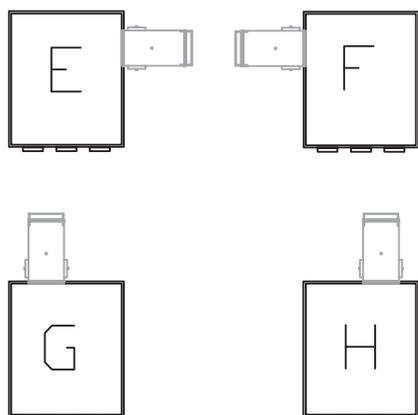


Safety thermostat

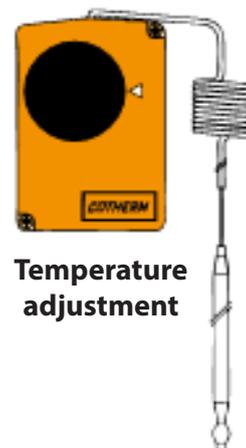


	5,5Cv 4kW	7,5Cv 5,5kW	10Cv 7,5kW	15Cv 11kW
L1	1550	1550	1550	1250
L2	800	910	910	1100
H	1170	1320	1320	1490
I	955	1075	1075	1200

## Helicoidal



Single speed  
1 Thermostat



Temperature adjustment