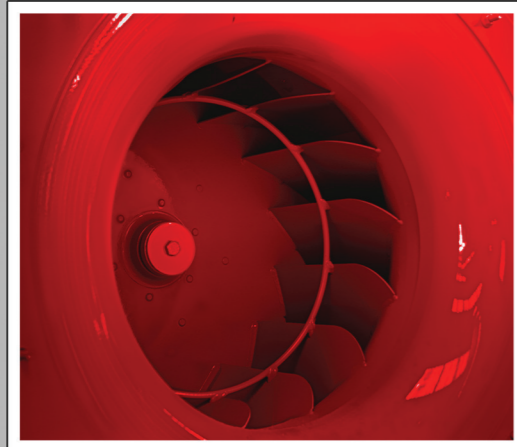


### HEAT SAVING COMBUSTION CHAMBER FUNNELS

Pedrotti uses special designed combustion chamber funnels to ensure that each calorie produced by the burners goes directly inside the crop, without any heat waste. The air coming from the fan divides in two different flowlines, producing a **natural isolation** of each internal chamber funnel. **No heat dispersion means fuel saving.** The outside of the funnel remains always cold, and the user can touch it with bare hands without any burns.



### DOUBLE FERRARI FANS

This model is provided with two very powerful and performing hi-tech fans that allow an intake of air up to 120°C, giving the possibility of coupling the dryer with every alternative heating source, such as biogas radiators, pellet and woodchips burners without any particular installation works. Just put the hot air source in front of the fans. Simple and effective..

#### TECHNICAL SPECIFICATIONS

Design centrifugal - Revs/Min. 1.450

Air flow m<sup>3</sup>/h max\* (2x 75.000) 150.000

\*The air flow volume refers to the fan as separate unit.

### PEDROTTI XL 550 TECHNICAL DATA

#### BATCH CAPACITY

Tons wet maize 55 (75 m<sup>3</sup>)

**AVERAGE DAILY OUTPUT** 24h in tons

Maize from 28% to 14% 170

Wheat/Barley from 20% to 15% 240

Oil seed rape from 14% to 9% 240

#### FUEL CONSUMPTION

Liters per ton of maize from 28% to 14% approx 15

Kcal per liter of water evaporated approx 900

#### BURNERS

Diesel, Automatic twin stage (Gas as option)

Caloric power Kcal/h max. (2x 1.000.000) 2.000.000

Centre Auger 450 mm, capacity tons/h 120

Filling Auger 250 mm, capacity tons/h 90

#### POWER REQUIRED

Model electric drive - Main supply line of kW 90

N.B: All performance figures are largely depending of the ambient temperature, relative air humidity, maturity and cleanliness of crops to be dried.

#### POWER REQUIRED

Model electric drive - Mains supply line of kW 90

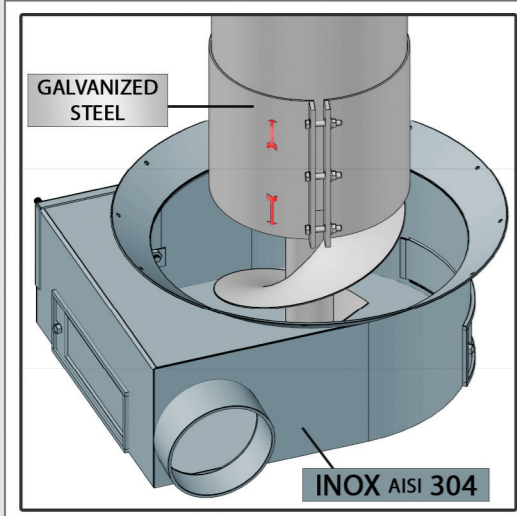
Size main electric motors	(kW)	(HP)
- fan (2x 22,5 kw)	45	60
- central auger Ø 450	37,5	50
- filling auger	11	15
- dust extractor	3	4
- burner	3	4



XL 550

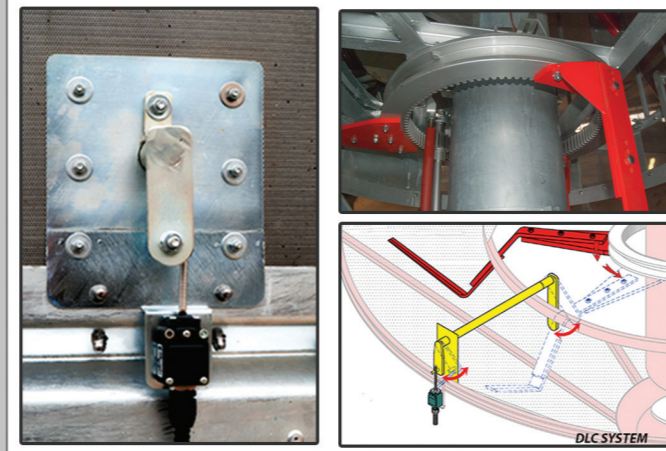
THE GIANT - DOUBLE FANS AND DOUBLE BURNERS





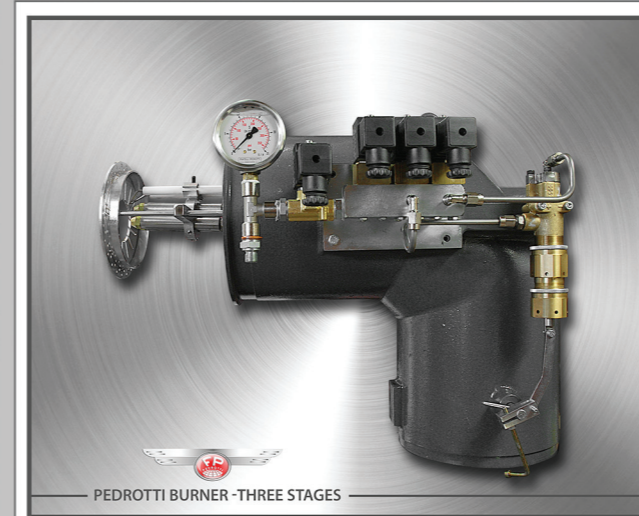
### GALVANIZED ADJUSTABLE COLLARS AND INOX BOTTOM CASES

The galvanized collar on centre auger tube consents to suit different crops and moistures very easily. Lifting it up or down it is possible to adjust it according to your specific needs.



### ULTRA-STRONG TOOTHED GEARS AND AGITATORS WITH DLC

Pedrotti uses ultra-strong internal gears and agitators to resist the extreme strain produced by a high level of moisture in the crops. Furthermore, in order to prevent the risk of overheating, the drier is equipped with a permanent Driving Line Control (DLC) safety system, an efficient mix of mechanical units matched with an electronic board.



### PEDROTTI TRIPLE STAGE MODULATING BURNER

The "modulating" operation under the control of a PLC unit enables the burner to work from minimum to maximum delivery fully automatically until complete switch off and renewed automatic switching on, if necessary. This system makes it possible to use the dryer with different products requiring varying and very different drying temperatures, without needing to replace the burner nozzles. This operation is generally considered difficult and critical by those using the dryer. When burners have a "modulating function", the operator has only to set the drying air temperature on the control panel for the cereal that he wants to dry.



### GALVANIZED AUGERS TUBES

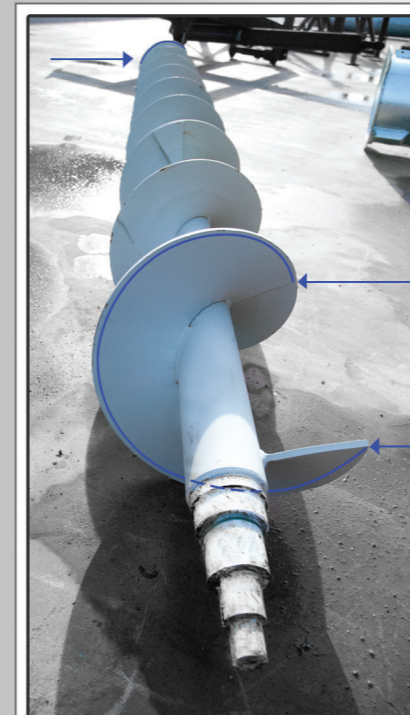
Pedrotti uses for its augers tubes, a Carbon steel C430 (S275J10 EN 10025-2:2004), 4 mm of thickness before being fully galvanized. By total galvanization, we give an additional thickness of 1 mm and therefore a longer life.



### STANDALONE ELECTRIC PANELS

For this giant model Pedrotti uses external standalone electric panels, and proposes the advanced Touch Screen as an optional to ensure a fully automated system.

No more buttons. No more human presence needed around the machines during the working process. Just select your settings and decide the number of batches you want. Suitable also for the installation in a separated building, instead than near the dryer when the place of work needs to be clean and comfortable.



### SPECIAL CENTRAL AUGERS

Instead of increasing the thickness of the central augers, which would increase also the required power of the motor and the electricity consumptions, Pedrotti prefers to use more hard and noble metals. Pedrotti dryers have central augers with three different zones (see the picture on the left)

1. Hardox steel segment, thickness 8 mm, 425 min. / 475 max. HBW (Brinell Hardness).
2. Standard carbon steel thickness of the spiral foot is 12 mm and thickness of the spiral ridge is 6 mm.
3. Weld bead on the ridge for one turn around the auger.

POWER REQUIRED 37,5 Kw  
DIAMETER 450 mm  
CAPACITY 120 Tons/h

### TECHNICAL DIMENSIONS

