

HIGH CAPACITY, FASTER LOADING, GREATER THROUGHPUT, FASTER DRYING... 14 ton per hour throughput*

The Magna dryers provides efficient, clean, diesel fired drying and ease of transport and the 2910 gives higher throughput than previously achievable with a mobile batch dryer. All Magna models use a large cross-flow centrifugal fan which is quiet and powerful.

The Magna range has all the benefits of true re-circulation, better sample, improved hectolitre weight and ease of management. The Eco-Flo diesel burner gives a semi-indirect burn to ensure it is the most environmentally friendly batch dryer yet. At the same time the Magna's Duax Heat Core, a multi-tiled "heat-exchanger", retains and builds up heat to give super efficient drying.

In today's climate automated drying with minimal labour requirement allows far better usage of any farms resources. Working continuously the 2910 automatics are capable of drying approximately 2000 tons a week respectively.

- Stainless steel perforated screens, 1.5mm on the outside and 2.5mm on the inner plenum providing maximum airflow without compromise (particularly important when drying rape).
- Wind up screens and a winch-over discharge head for fast and simple set up from transport to working position.
- The pressure at which the centrifugal fans work ensures that the air produced is driven through even the densest and wettest crops.
- A grain sampler comes as standard.
- Heavy duty bevel gearbox drives the 450mm (17¾") main auger. The auger and gearbox assembly is mounted on a 15mm base plate which gives strength and durability to the bottom bin.
- All susceptible components are supplied in stainless or galvanised finish.



DRYER SPECIFICATIONS

Model	2910 PTO	2910 ELECTRIC / AUTO**
Drying capacity (21 -16%)*	14 t /hr	14 t /hr
Holding capacity	29t - (37m³)	29t - (37m³)
Height - working position / Sky-Vac	6.1m (20') / 7.14m (23'6")	7m (23') / 7.6m (25')
Height - transport position / Sky-Vac	4.75m (15'7") / 5.1m (16' 9")	5.09m (16'7") / 5.1m (16' 9")
Width	4m (13' 2")	4m (13' 2")
Length - working position	10.16m (33'4")	10.16m (33'4")
Length - transport position	7.8m (25'7")	8.05m (26'5")
Weight - empty	6950 kgs	6340 kgs
Grain wall thickness	510mm (18¾")	510mm (18¾")
Vertical auger size	450mm (17¾")	450mm (17¾")
Loading auger size	300mm (11¾")	300mm (11¾")
Unloading auger size (Optional)	300mm (11¾")	300mm (11¾")
Burner size - Diesel / Kerosene	5,550,000 BTU/hr (1,400,000 Kcal)	5,550,000 BTU/hr (1,400,000 Kcal)
Fan type and size - quiet fan	Centrifugal ø 900mm (35¼")	Centrifugal ø 900mm (35¼")
Fan rating and outlet static pressure	75,000 m³/hr @ 10Mbar 44,137 CFM @ 4"	75,000 m³/hr @ 10Mbar 44,137 CFM @ 4"
(PTO drive) speed / power required	470rpm, 100hp (75kW)	-
Recirculating time	145 t/hr (12 min)	145 t/hr (12 min)
Loading rate	120 t/hr (15 min)	120 t/hr (15 min)
Unloading rate	130 t/hr (13 min)	130 t/hr (13 min)
(Electric drive) power used	-	58kW (110Amp) - 6 Motors
Fuel tank capacity	1000 litres	1000 litres

* Throughput per hour assumed 5% moisture reduction from 21% to 16%. Includes loading, heating, cooling and unloading time.

** Electric drive requires 3-phase, 140amp supply, earth and neutral on a dedicated circuit via a residual current device

OPICO's policy is one of continuous improvement and the right to change prices, specifications or equipment at any time without prior notice is reserved.

KEY FEATURES



A highly efficient modulating diesel burner is easily accessible for servicing, simply remove the securing nut and slide the burner out for ease of maintenance.



In the servicing position the high and low flame jets are easily accessible. The air mixture can be altered when in working position.



Controls are protected with a weather and dust proof case with a glass viewing screen for easy monitoring.



All Magna dryers are fitted with a **DUAX Heat Core** burner. This uses heat retaining bricks similar to those in a storage heater, to heat the air as well as the burner. Inside the burner chamber is a steel barrel which is lined with the heat bricks. As the heat bricks build

up temperature, the whole burner core heats air as it is drawn past into the fan.