

magna 1200 / 2000 AUTOMATIC



Diesel Fired Dryers



HIGH CAPACITY, FASTER LOADING, GREATER THROUGHPUT, FASTER DRYING... 6 ton/hr (1200) 10 ton/hr (2000) throughput*

The OPICO range of Magna dryers are specifically designed with UK farmers' crops and needs in mind. Providing efficient, clean, diesel fired drying these fully automated models can be set up in conjunction with a wet holding bin and will load, dry, cool and unload automatically giving unattended drying hour after hour, 7 days a week.

In today's climate automated drying with minimal labour requirement allows far better usage of any farms resources. Working continuously the 1200 and 2000 automatics are capable of drying over 840 and 1500 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). • Fully automated computer controls with 65m compatibility. • 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. • Some bespoke alterations can be made to the dryer if required ask for details. • All susceptible components are supplied in stainless or galvanised finish.

DRYER SPECIFICATIONS

Model	1200 AUTOMATIC**	2000 AUTOMATIC**
Drying capacity (21-16%)*	6 t /hr	10 t /hr
Holding capacity	12t - (16m³)	20t - (27m³)
Height - working position / Sky-Vac	5.7m (18'8") / 6.2m (20'4")	6.2m (20'4") / 6.8m (22'4")
Height - transport position / Sky-Vac	4.2m (13'9") / 4.55m (14'11")	4.35m (14'3") / 4.81m (15'10")
Width	2.55m (8'4")	3.2m (10'6")
Length - working position	8.75m (28'8")	9.54m (31'4")
Length - transport position	6.2m (20')	7.4m (23'7")
Weight - empty	4200 kgs	5200 kgs
Grain wall thickness	500mm (19¾")	500mm (19¾")
Vertical auger size	368mm (14½")	368mm (14½")
Loading auger size	200mm (8")	250mm (10")
Unloading auger size (Optional)	250mm (10")	300mm (11'3/4")
Burner size - Diesel / Kerosene	2,420,000 BTU/hr (600,000 Kcal)	3,980,000 BTU/hr (1,003,000 Kcal)
Fan type and size - quiet fan	Centrifugal ø 710mm (28")	Centrifugal ø 800mm (31½")
Fan rating and Outlet static pressure	40,000 m³/hr @ 9.3 Mbar 23,540 CFM @ 3.75"	55,000 m³/hr @ 10 Mbar 32,375 CFM @ 4"
Recirculating time	90 t/hr (8 min)	120t/hr (10 min)
Loading rate	50 t/hr (12 min)	100 t/hr (12 min)
Unloading rate	80 t/hr (9 min)	100 t/hr (12 min)
Electric drive power used	30kW (60Amp) - 6 Motors	36kW (75Amp) - 6 Motors
Fuel tank capacity	460 litres	670 litres

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

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.

** Electric drive requires 3-phase, 80amp(12ton) 100amp(20ton) 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.