

magna 1200 / 2000 PTO or ELECTRIC



Diesel Fired Dryers



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

The 1200 provides efficient, clean, diesel fired drying and ease of transport and the 2000 gives higher throughput than previously achievable with a mobile batch dryer.

Both 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.



- 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).
- Fixed screens and discharge head for fast 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 368mm (14½") 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	1200 PTO or ELECTRIC**	2000 PTO or ELECTRIC**
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	3400 kgs	4400 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"
(PTO drive) speed / power required	470 rpm, 40kW (54hp)	470 rpm, 56 kW (75hp)
(Electric drive) power used	30kW (60Amp) - 6 Motors	36kW (75Amp) - 6 Motors
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)
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.

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