



### BASE SPEC 12 TON DRYER, 5 ton per hour throughput\*

The Magna 120 Eco is designed to give an affordable 12 ton holding capacity dryer whilst still offering the clean burn, fuel saving technology like the rest of the Magna range. Its Duax Heat Core retains and builds up heat ensuring a more even temperature and a clean burn. The 120 ECO's fixed screens allow even quicker set-up and make it an easily moveable dryer.

- Duax Heat Core – clean, efficient drying.
- Fixed screens – simple and quick to set up.
- Low level burner – easy access for servicing and setting
- Stainless steel screens – longevity
- Centrifugal fan - quiet operation



- 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	120ECO PTO
Drying capacity (21-16%)*	5 t/hr
Holding capacity	12t - (15.2m <sup>3</sup> )
Height - working position	4.5m (14'9")
Height - transport position	4.5m (14'9")
Width	2.55m (8'4")
Length - working position	8.75m (28'8")
Length - transport position	6.2m (24'4")
Weight - empty	3250 kgs
Grain wall thickness	500mm (19¾")
Vertical auger size	368mm (14½")
Loading auger size	200mm (8")
Burner size - Diesel / Kerosene	2,420,000 BTU/hr (600,000 Kcal)
Fan type and size - quiet fan	Centrifugal ø 710mm (28")
Fan rating and outlet static pressure	35,000 m <sup>3</sup> /hr @ 7 Mbar 20,600 CFM @ 2.75"
PTO drive speed / power required	470 rpm, 37kW (50hp)
Recirculating time	90 t/hr (10 min)
Loading rate	50 t/hr (12 min)
Unloading rate	80 t/hr (9 min)
Fuel tank capacity	460 litres

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

#### KEY FEATURES



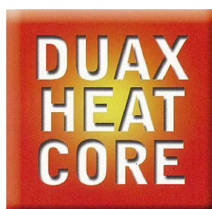
A highly efficient modulating diesel burner is easily accessible for servicing, simply remove the securing nut and slide the burner out for ease of maintenance.



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.