

QUIET FAN DRYER

12 ton approximate holding capacity

6 ton per hour throughput*

The 600QF dryer is the solution for larger acreage farmers or for existing customers looking for a automated system. Automation gives huge labour savings and frees up time for staff to be involved in other operations at a very busy time of the year, it also allows drying around the clock increasing the throughput a day which keeps combines rolling even in the most difficult of years.

A powerful micro-processor Grain Guard control unit runs the dryer in automatic mode, constantly checking the operation of all moving components, the electrical supply and the state of the dryer throughout the loading, drying and unloading cycle. It determines the temperature at which the cool grain is unloaded from the dryer at the end of the drying cycle, checks that there is sufficient grain in the dryer and initiates the heating cycle automatically.

Supplied as standard with 38" custom built, in line centrifugal fan (74 dba). Unique self diagnostic electronic Grain Guard control. Centralised greaser location. Four electric motors. 60 ton an hour 12" diameter central auger 8" diameter loading auger with full length, 9ft 10" (3m) loading hopper (50 ton an hour loading capacity). LPG Gas fired burner. Epoxy powder coated outside sheets. Adjustable jacks, 4 tyres, grain sampler. Grain pressure splitter pelmet. Outlets for auxiliary loading and unloading motors. Horizontal discharge auger. 3-phase electric drive. Electric drive models require 3-phase, 63 amp supply, earth and neutral on a dedicated circuit via residual current device and should be fitted by a qualified electrician.



DRYER SPECIFICATIONS	
MODEL	AUTOMATIC
Drying capacity (21-16%)*	6 t/hr
Holding capacity	12t (17.5m ³)
Height - working position, horizontal head / Sky-Vac	15'3" (4.7m) / + 23" (580mm)
Height - transport with head removed	13'6" (4.1m)
Width	11' (3.4m)
Length - working position	29' (8.9m)
Length - transport position	20'5" (6.2m)
Weight - empty	5940 lbs (2700kg)
Grain wall thickness	18" (457mm)
Vertical auger size	12" (305mm)
Loading auger size / unloading auger size	8" (203mm)
Burner size - LP gas	3,000,000 BTU/hr (879kW)
Fan type and size	In-line Centrifugal ø 38" (965mm)
Fan rating & outlet-static pressure	16,000 ft ³ /min @ 1.5" (27,180m ³ /hr @ 3.74Mbar)
Recirculating time	60 t/hr, 12-15min
Loading rate	50 t/hr, 14min
Unloading rate	50 t/hr, 14min
Electric power used	4 motors (11,11,4, 1.5kw), 46.5amp

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

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