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# CD30

## DRY CORN COBS IN A CLEAN AND EFFICIENT WAY FOR PREVENTING MOISTURE DAMAGE

The MECMAR CD30 is a static dryer unit designed to dry readily-farmed and unprocessed corn cobs safely and cleanly. Its capacity of 28 m<sup>3</sup> allows smallholder farmers to reduce the humidity of the product efficiently, achieving safe storage and limiting post-harvesting risks (i.e.: development of molds, aflatoxins) that may damage the product.

Features: The CD30 matches durability of design with optimal care of the product. Its heavy-duty steel plates make for solidity and long life, while their shape and design ensure gentle, clean and effective drying. In the CD30 the forced-air heat generator is equipped with an air-to-air heat exchanger. This engineering expedient ensures the all the by-products of the light oil or gas combustion are expelled to the atmosphere, thus never touching the drying product.

We thought back to our tradition and travelled back to the first experiences of our machines when we designed the CD30: we incorporated easy assemblage and high mobility with simplicity of use and low maintenance. The dryer unit comes into two parts, making for quick and easy construction while the hooking points and the small wheels make the machine highly and easily mobile within the farm.

### MORE

- Empowering farmers
- Rural development
- Food nutrition

### LESS

- Financial risk for farmers
- Moisture losses
- Risk of rains





The drying process involves the channeling of hot air from the heat generator toward the shallow perforated bed. This mechanics provides the energy, heat and pressure required to extract the moisture from the cobs.

The dryer can be loaded manually, through payloader or a mobile loading belt (optional) with a uniform layer of cobs for covering the perforated bed. A retractable PVC canopy roof can be added for enabling effective drying operations also during rainy days.

Depending on the type of cobs, on the moisture level and on the heating system, a whole drying cycle can last from few hours up to a couple of days. Once dry, the maize is offloaded for storage.

MODEL	[unit]	CD30
Capacity	[m <sup>3</sup> ]	28
Fuel type	[-]	diesel - gas
Nominal heating power	[kCal/h]	200.000
Heat exchanger	[-]	Included
Electrical power requirement	[kW]	8,50
Length (overall)	[m]	10,10
Length (container only)	[m]	8,50
Width (container only)	[m]	2,15
Height (container only)	[m]	2,10
PVC retractable canopy	[-]	Upon request
Mobile loading belt	[-]	Upon request

The machine is equipped with a thermostat and state-of-the-art temperature probes that trigger an automatic shutdown whenever the temperature exceeds the alarm threshold.

Forty years of experience and specialization in farming technologies as well as the presence of our products and dealers in over 50 countries speak of our ability to integrate these machines in multiple contexts and tailor their usage to the farmers' needs. Our company is certified ISO 9001: quality is our motto and we aim to incorporate it in every step of our construction process from design to assistance.

Please visit our website [www.mecmargroup.com](http://www.mecmargroup.com) to find more information about our products and to discover the contacts of your nearest MECMAR dealer.

Please do not hesitate to contact the nearest MECMAR dealer for more information. Under our policy of continuous improvement, we reserve the rights to change the specifications provided in this brochure without prior notice.