Introduction

MATHARU Portable batch grain dryers are the perfect choice for any user looking for drying both small and large quantity of grains. Simple to use, reliable and easy to install anywhere.

Bio-M6 model launched with a unique feature of very cheap in drying cost as compare to Diesel or Gas fuel.

Inbuilt Bio-furnace provides clean and ash free hot air to the drying chamber with fully automatic temperature controlled features.

Suitable for:
Maize, Paddy, Wheat, Soybean, Barley, Rice
Grain discharge duct can be switched to left or right direction.

Chimney can be extended as per site requirement.

- Temperature and Moisture display
- Operated with Electric power
- Rigid and heavy structure
- Automatic Husk feeding
- Precise temperature control
- Fuel: Rice husk
Introduction
Inbuilt Biomass Furnace with Bio-M6 Grain Dryer helps to reduce cost of drying up to 70%* as compare to Diesel or Gas fuel. The highly precise and reliable technology maintains grain quality good with adjustable desired temperature range.
Overall dimensions

All dimensions are in Inch(s)
### Specifications: Bio-M6 dryer with Biomass Furnace

**Capacity:-**  
Dryer Capacity (Paddy) 6 ton per batch (10 m³)

**Performance:**  
- **Loading Time** 40 minutes*  
- **Cooling** Variable dependant on condition  
- **Empty Time** 20 minutes*  
- **Drying** 2 - 5%* moisture extraction/hr.  
- **Moisture Meter** Handheld moisture meter provided

**Power Requirements** *(including furnace)*  
- **Electric Motor Drive** 10+5+2+2+1 hp, (15 kw) 3 phase, 50 hz  
- **Motor Starter** Electric Starter fitted inbuilt

**Loading:**  
- **Loading Hopper** Sheet metal made, direct bag filling  
- **Loading Elevator** Steel bucket elevator  
- **Recirculation** Steel bucket elevator  
- **Agitator Drive** Chain, Gear Drive  
- **Screen material (Internal/External)** Galvanized perforated sheet  
- **Screen Perforation size** Variable  
- **Fan type** Quiet centrifugal fan

**Biomass Husk Furnace:**  
- **Height** 150 Inch.  
- **Width** 47 Inch.  
- **Length** 84 Inch.  
- **Power requirement** 1 hp+2hp, 3 phase, 50 hz motors  
- **Fuel Type** Paddy Husk, 50-80kg/hr*  
- **Husk Feeding** Automatic  
- **Temperature control** Automatic as per set values  
- **Ash removal** Manual by hand

**Safety:**  
- Over Temperature control  
- Short circuit protection  
- Dustproof control panel

---

*The manufacturer reserves the right to make change and/or improvements in specification without prior notice.*  
*Performance figures are approximate and for general guidance only. Guidance is based on drying principles, computer simulations and field results.*  
*Factors including crop type, crop condition, excessive admixture and weather conditions may affect the performance.*