



**K SERIES**

**MOBILE DRYERS**



**COST-EFFECTIVE AND EFFICIENT**

## **K SERIES MOBILE DRYERS**



### **ENERGY EFFICIENT MIDDLE CHANNEL DRYING**

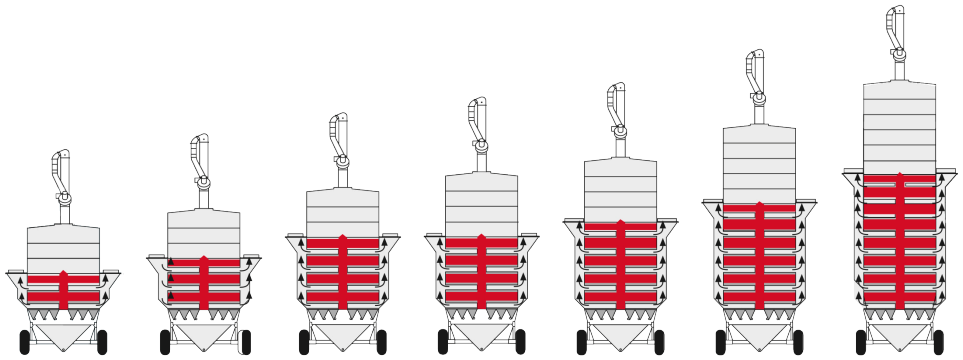
K series mobile dryers by Mepu are cost-effective, efficient, and quickly deployable warm air-drying units. The mobile dryer is easily movable from one place to another. The advantages of the easy-to-use and reliable mobile dryer as compared to conventional stationary silo dryers include savings in costs, quick commissioning, drying efficiency and dryer height.

### **EFFICIENT UNDER DEMANDING CIRCUMSTANCES**

The high-tech mobile dryer offers uniform drying efficiency even under demanding circumstances and allows energy-efficient drying of wet grain as well. The mobile dryer is suitable for drying several types of grain and small seed. The feeding apparatus is equipped with frequency converter.

#### **OPTIONS**

- Channel aspirators
- Cyclone systems for elevator and pre-cleaner
- Grain space increase
- Step extension
- Motored dividers



Model	M 180k	M 205k	M 240k	M 275k	M 300k	M 365k	M 420k
Width (transportation / operation) [m]	3,14 / 3,87	3,14 / 3,87	3,14 / 3,87	3,14 / 3,87	3,14 / 3,87	3,14 / 3,87	3,14 / 3,87
Transportation width [m]	6,23	6,23	6,23	6,23	6,23	6,23	6,23
Transportation height [m]	4,25	4,25	4,25	3,85	3,85	3,85	3,85
Operational length (max / min) [m]	8,08 / 6,85	8,08 / 6,85	8,08 / 6,85	8,08 / 6,85	8,08 / 6,85	8,08 / 6,85	8,08 / 6,85
Equipment height (to cover) [m]	4,3 / 4,6	4,8 / 5,1	5,5 / 5,8	6,3	6,8	8,0 / 9,7	9,7
Elevator height [m]	8,25	8,75	9,5	10,0	10,5	11,75	13,5
Grain volume [m <sup>3</sup> ]	16,3	18,4	21,6	25,1	27,2	33,9	39,4
Min. drying batch [m <sup>3</sup> ]	3,5	6,2	6,2	6,2	6,2	6,2	12
Equipment weight [t]	5	6	7	7,5	8	8,5	9,4
Furnace recommendation [kW]	250 / 310	250 / 400	310 / 400	400	500	500	500
Fuse size [A]	25	35	35	35	50	50	50
Electric power [kW]	11 / 17.75	15 / 17.75	21.25	22	25.55	26.55	27.55

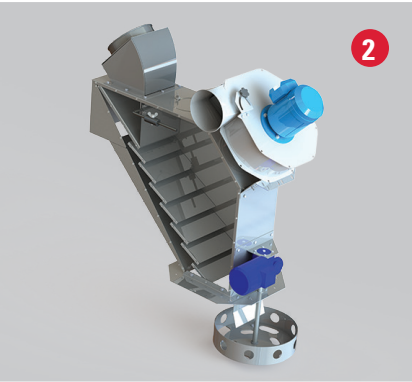
Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels grain expands the maximum filling volume is lower. Values are theoretically calculated and may vary depending on local conditions and cereal properties.



## FEATURES

### 1. ELEVATOR

Powerful bucket elevator is a silent and reliable elevator equipped with direct drive motor for efficient and gentle grain transfer.

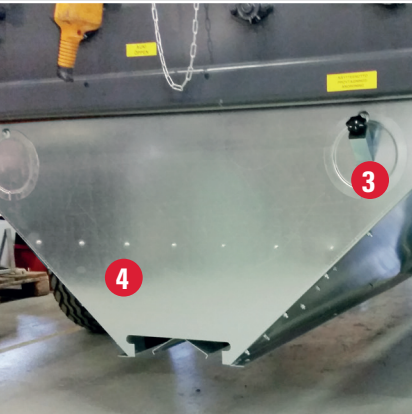


### 2. PRE-CLEANER, SPREADER AND BOTTOM ASPIRATOR

All models are equipped with a pre-cleaner powered by a dedicated motor, which ensures high-quality outcome. The spreader distributes the grain evenly over the entire grain bin. The bottom aspirator removes dust and humidity.

### 3. SAMPLING UNIT

The sampling unit facilitates supervision over the drying process.



### 4. BOTTOM THROUGH

The steep-sided bottom through ensures closed circulation of the grains under any conditions. Dust and humidity are removed during the drying process by the bottom aspirator. The grain in the bottom through flows to the auger, which is easy to clean thanks to the opening bottom.

### 5. EXHAUST AIR CHANNEL OUTPUTS (STANDARD)

- M 180k - M 205k Ø500mm
- M 240k - M 420k Ø630mm



### 6. GRAIN BIN

Wet grain swells when warmed up. As the drying proceeds, the grain volume reduces considerably. The grain bin is optimized to function under any conditions. The bin is made of hot galvanized steel.

## 7. DRYING CELLS

The drying cells are so-called ridge beam cells, of which there are two in parallel. Warm air is blown into a heating channel between the drying cells, resulting in minimal heat loss. Shutters designed for drying of partial batches are standard equipment in all models. The shutters provide for efficient drying of partial batches. Fully galvanized structure.

## 8. FEEDING APPARATUS

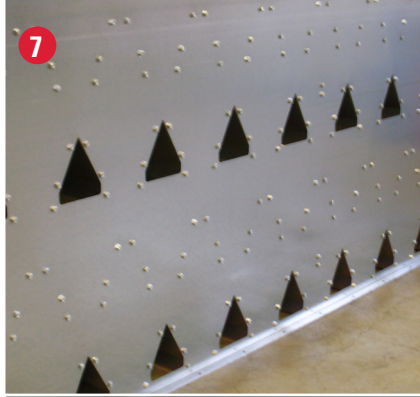
All models are equipped with adjustable speed feed rollers (6pcs) with flaps mounted underneath. Steep-angled feed troughs ensure even drying process and reliable circulation under any circumstances. The dryer is also suitable for small seed drying. Recycle speed is adjusted variably with a frequency inverter.

## 9. DRYING FURNACE AND CONTROL

Energy efficient furnaces by Mepu produce enough heat and air capacity even under challenging circumstances. The electrical equipment and automatic systems are installed at the factory. An accurate and conveniently adjustable electronic drying thermostat with digital display ensures efficient control. The dryer is ready for use after connecting the machine to the power supply and installation of the oil burner lines to the oil tank.

## 10. FRAME

The drying equipment is installed on sturdy steel beam frame. If necessary, the dryer can be relocated. During the drying process, the dryer's support legs (standard equipment) must be lowered. A detachable draw bar saves space, rendering the dryer even more convenient.



**CONTACT US!**

**[www.mepu.com](http://www.mepu.com)**



Mepu Oy reserves the right to make changes in the range, i.e. to the model, colour, equipment and price changes to the products it supplies, without any prior notification. The standard delivery contents of products may vary between different market areas. The photos in this brochure and in other publications may display equipment that are not included in the standard delivery. The performance values and technical specifications are intended as a guide. Check the delivery contents of the product with your Mepu reseller.



**MEPU Oy**

Mynämäentie 59, 21900 Yläne, Finland  
tel. +358 2 275 4444, [mepu@mepu.com](mailto:mepu@mepu.com)

