

MEPU

MOBILE DRYER M5 SERIES



AGI
AG GROWTH INTERNATIONAL



LARGE M5 SERIES MOBILE DRYERS BY MEPU FOR RELIABLE AND HIGH-QUALITY GRAIN DRYING

Reliability and ease of use have been emphasized in the design of the new, practical M5 series by Mepu.

M5 series dryers are based on the same proven technology as Mepu's high-power continuous flow dryers. The advanced drying technology employed ensures a high-quality outcome and quick and energy-efficient drying of the grain.

DRYER, FURNACE AND HOPPER CAN BE FLEXIBLY POSITIONED

The new M5 mobile dryer range is a versatile complete solution, the dryer, furnace, and hopper unit of which can be flexibly positioned according to the customer's needs.

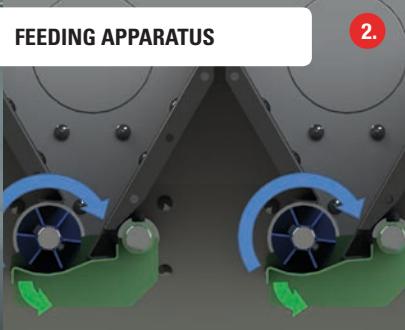
The M5 series mobile dryer range is designed and manufactured in Finland.

BOTTOM TROUGH AND SCREW CONVEYOR



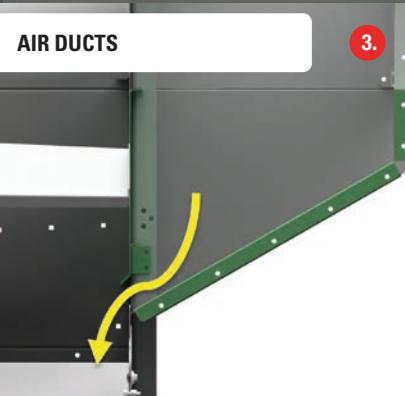
1.

FEEDING APPARATUS



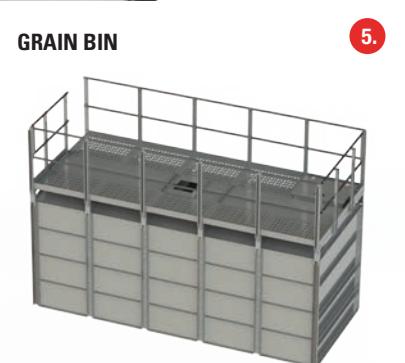
2.

AIR DUCTS



3.

GRAIN BIN



5.

STANDARD DELIVERY CONTENTS:

1. BOTTOM TROUGH AND SCREW CONVEYOR

The steep and smooth-walled bottom trough ensures that the grain falls on the bottom screw in all conditions. It is easy to clean the bottom trough, through the large maintenance hatches (6 pcs).

The 8" screw conveyor moves grain efficiently. There is a wide gap between the screw and the bottom trough, which ensures that the grain is moved gently. The bottom trough can be opened easily for cleaning. Quick-release (snap-lockable) system for the bottom trough available as an accessory.

2. FEEDING APPARATUS

The 15 rollers with flaps, with adjustable speed, ensure that the grain is circulated evenly in all conditions. The bottom hatches that can be opened ensure that the dryer can be cleaned easily and quickly.

Any grain that has been blown to the air chambers will be returned from both sides, back to the feeding apparatus.

3. AIR DUCTS

The internal surface of the air ducts is smooth, so that grain does not become stuck on the surfaces, and the maintenance need is low. Large maintenance hatches enable maintenance works to be performed without any obstructions.

4. DRYING CELLS

The mixed-flow drying cells ensure that the air and the grain is mixed efficiently, resulting in a smooth and energy-efficient drying result. The drying cells stay clean thanks to their smooth internal surfaces.

5. GRAIN BIN

The durable and smooth-surfaced grain bin ensures that grain flows into the drying cells even in wet conditions.

6. BUCKET ELEVATOR

The efficient and silent 80 and 100 t/h bucket elevator ensures that the dryer is filled and emptied quickly. The top end of the elevator is fitted with a 3-way divider, which enables to direct the grain into the dryer or away from it.

PRE-CLEANER WITH SPREADER

7.



7. PRE-CLEANER WITH SPREADER

The pre-cleaner fitted with a spreader spreads the grain evenly in the grain bin, as well as cleaning the grain from any rubbish and dust.

8. AXIAL FANS

Axial fans move air around in an energy-efficient way.

9. FRAME

The drying equipment has been installed on a sturdy steel beam frame. During the drying process, the dryer must be positioned firmly on its base, using the support legs included in the standard delivery. The detachable drawbar saves space.

10. HEAT SOURCE

The efficient vacuum furnaces ensure that the drying result is energy-efficient. Direct-fire gas burners also available by request.

11. CONTROL PANEL

Simple and logical control panel included in the standard delivery, which makes the dryer easy to use. Control panels for extended systems available as accessories.

ACCESSORIES

1. A LARGE SELECTION OF FILLING HOPPERS
 - Overrun models
 - Floor surface models
2. DIRECT-FIRE GAS BURNERS
3. CENTRIFUGAL FANS
4. DUST SEPARATOR PACKAGES FOR THE ELEVATOR AND THE CENTRIFUGAL FANS
5. CONTROL PANELS FOR EXTENDED SYSTEMS
6. SNAP-LOCKABLE BOTTOM TROUGH

AXIAL FANS

8.



FRAME

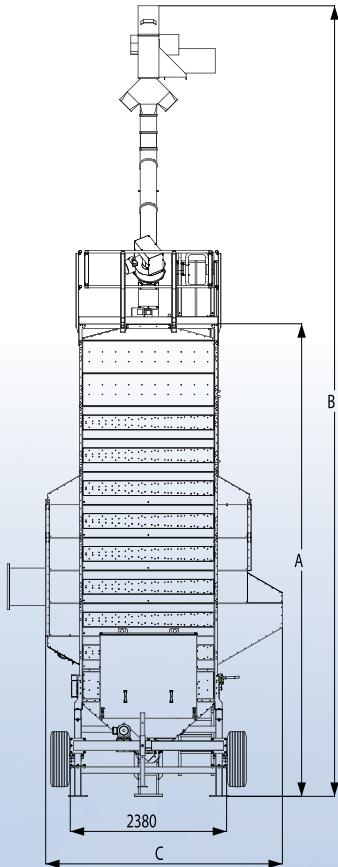
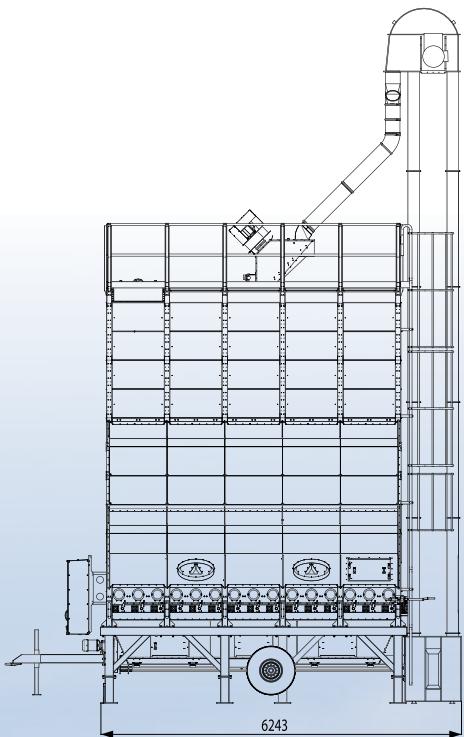
9.



CONTROL PANEL

11.





Measurements m	M5-38	M5-51	M5-63	M5-71	M5-79
Equipment height, m [A]	7,2	8,7	10,2	11,2	12,2
Equipment width, m [C]	3,6	4,1	4,1	4,1	4,1
Grain volume, incl. feeding apparatus [m^3]	38,0	50,6	63,3	71,1	78,9
Drying section volume [m^3]	23,4	31,2	39	46,8	54,6
Buffer section volume [m^3]	14,6	19,4	24,3	24,3	24,3
Elevator [t/h]	80	80	100	100	100
Elevator height, m	12	13,5	15	16	17
Uunisuoitus	750	750	1000	1000	2 x 750
Voltage during the drying process, standard equipment [A] (high base)	46,5	57,3	61,3	74,3	90,1
Electric power during the drying process, standard equipment [kW] (high base)	25,8	31,8	34,0	41,2	50,0

Grain volume calculated with weath, 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.



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Let's plan your purchase together.

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.

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