

SEED PROCESSING



H O L L A N D

DRM-4200

# Conditioned Seed Dryer



WORLD LEADER IN SEED PROCESSING  
EQUIPMENT AND SOLUTIONS



DRYING

# Conditioned Seed Dryer DRM-4200

This Conditioned Seed Dryer DRM-4200 is designed for drying of vegetable and hemp seed lots in a controlled way.

The machine is suitable for use in commercial processing plants.

## The main benefits for you:

- Preserve the quality of your valuable seeds.
- Automatic and reproducible drying processes (optionally storable as recipes).
- Controlled seed drying, independent of any ambient climate conditions.
- Energy efficient (including the use of EC circulation ventilators and heat pump technology).

## The dryer is very suitable for conditioned drying:

- Of extracted seeds (for example tomato, pepper, melon, and cucumber).
- Of primed, disinfected and film coated (treated) seeds.
- In phases (1 - 7 steps, time, RH, and temperature adjustable for each step).
- To a desired RH followed by conditioning.



Rotation unit for rotary drying



Seeds in drum



Bags with seeds in drum

## Technical description Conditioned Seed Dryer DRM-4200:

### Capacity

± 10 - 150 kg seed\*

Example index for an average drying process based on 150 kg seed load.

Crop (T=25 °C)	MC** start (%)	RH (%)	MC end (%)	Drying time (hour)
Tomato seed	66	30	6,3	±15***
Pepper seed	66	30	7,0	±18***
Melon seed	38	30	6,0	± 8***
Cucumber seed	37	30	5,6	± 8***

RH adjustable till a minimum of 30% at 20 °C and 10% at 40 °C

6.4 litres per hour at 20 °C and RH 60%

14.4 litres per hour at 28 °C and RH 80%

15.3 litres per hour at 35 °C and RH 60%

\* indication, depending on seed crop and moisture content (MC) at the start of the drying process

\*\* MC = moisture content

\*\*\* Drying time is a guide and can vary.

### Temperatures

Dry at any temperature between 20 and 40 ° C. \*

\* at an ambient temperature between 5 and 30 ° C

### Other

Condensation water drain: connection Ø 50 mm  
Condenser heat dissipation: optional possible via an external (outdoor) condenser.

### Refrigerant

R 407c

### Dimensions

Externally: 2180 x 1910 x 1960 mm (hxwxd)  
Drying room internally: 2100 x 1750 x 1050 mm (hxwxd)  
Door: 2000 x 1330 mm (hxw)

### Noise emission

± 70 dB(A) (measured without product)

### Materials

**Drying room:** Painted and galvanised steel plate, insulation 80 mm, Polyurethane CFK free, smooth surface  
**Technical room:** steel frame and stainless steel 304

### Electrical connection

400 - 460 V (± 5 %), 3 phase + 0 and ground, 50 / 60 Hz. other values are available on request  
Installed capacity: 18,0 kW  
Connection value: 32 A (slow blow)

### Finishing

**Drying room:** RAL 9002 (white)  
**Technical room:** Powder coated, RAL 6029 (green) and RAL 1013 (crème)



### Weight

± 1100 kg

### Including

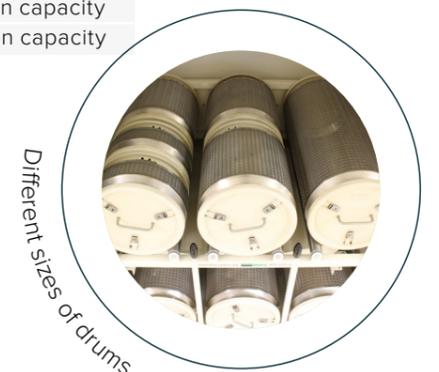
- Hinged guide strip for rotation units or drying carriers.
- Windows in the door and light fixtures for inspection of both drying levels.
- Smooth walls for simple and thorough cleaning.

### Options

- Recipe page
- Drying carrier
- Rotation unit
- Seed drums

## Part of the DRM Family

• <b>DRM-4100</b>	35-100 kg seed	± 3 litres per hour dehumidification capacity
• <b>DRM-4200</b>	10-150 kg seed	14 litres per hour dehumidification capacity
• <b>DRM-4300</b>	10-150 kg seed or pellets	18 litres per hour dehumidification capacity



Different sizes of drums

# Our product groups



EXTRACTION



THRESHING



DISINFECTION



DRYING



CLEANING



PELLETING



TREATING



PRIMING



QUALITY CONTROL



PACKING, COUNTING  
& WEIGHING



TRANSPORT



DELIVERY  
FROM STOCK

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of America

## HEAD OFFICE

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