# Technical data

## LUXOR HD 30-150
- **Dry air dryer**
- **Type**: LUXOR HD
- **Drying bin volume (l)**: 30, 60, 150
- **Air flow rate (m³/h)**: 25, 50, 100
- **Max. temperature (°C)**: 130
- **Connected load (kW)**: 2.0, 2.0, 5.0
- **Max. back-up fuse (A)**: 16, 16, 16
- **Control voltage (V DC)**: 24, 24, 24
- **Power supply (V/Hz)**: 1/N/PE 230/50, 3/N/PE 400/50
- **Dimensions (mm)**:
  - H: 713, 900, 1190
  - B: 525, 600, 627
  - Ø d: 342, 416, 537
- **Weight approx. (kg)**: 24, 30, 56
- **Colour RAL (orange/grey)**: 2011/7040, 2011/7040, 2011/7040

## LUXOR HD 250-600
- **Dry air dryer**
- **Type**: LUXOR HD
- **Drying bin volume (l)**: 250, 400, 600
- **Air flow rate (m³/h)**: 80, 120, 200
- **Max. temperature (°C)**: 140
- **Connected load (kW)**: 3.3, 5.3, 7.0
- **Max. back-up fuse (A)**: 16, 16, 16
- **Control voltage (V DC)**: 24, 24, 24
- **Power supply (V/Hz)**: 3/N/PE 400/50
- **Dimensions (mm)**:
  - H: 2282, 2673, 2673
  - H2: 2700, 3100, 3200
  - L: 1165
  - B: 1000
  - Weight approx. (kg): 195, 240, 270
  - Colour RAL (frame): 7040, 7040, 7040

## LUXOR HD 900-2400
- **Dry air dryer**
- **Type**: LUXOR HD
- **Drying bin volume (l)**: 900, 1200, 1800, 2400
- **Air flow rate (m³/h)**: 300, 400, 600, 800
- **Max. temperature (°C)**: 140
- **Connected load (kW)**: 12.55, 17.55, 25.60, 36.10
- **Max. back-up fuse (A)**: 35A, 35A, 50A, 63A
- **Control voltage (V DC)**: 24, 24, 24, 24
- **Power supply (V/Hz)**: 3/N/PE 400/50
- **Dimensions (mm)**:
  - H1: 2890, 3263, 3568, 3761
  - H2: 3500, 3850, 4150, 4250
  - L: 1739
  - B: 1250
  - Weight approx. (kg): 420, 450, 530, 840
  - Colour RAL (frame): 7040, 7040, 7040, 7040

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Subject to technical changes

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### Performance data

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* The throughputs in the table refer to MH=maximum heat-up or SMR=surface moisture removal

Subject to technical changes

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**Over 130 agencies worldwide.**

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**Drying**

**LUXOR HD**

Think materials management

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**motan**
LUXOR HD

Optimal and constant production conditions are essential for high product quality and efficient production. motan's range of LUXOR HD hot air dryers offers the most effective way of conditioning moderately hygroscopic plastic granules for processing and removal of surface moisture. Pre-heating of raw materials stabilizes the production parameters and reduces processing energy costs.

motan’s fully insulated LUXOR HD hot air dryers cover a performance range from 7 to 1100 kg per hour. The dryers can either be mounted directly on the throat of the processing machine (up to 150l) or on a support frame beside the machine.

All models have a microprocessor-controlled temperature regulator and are equipped with a safety thermostat to prevent overheating of materials.

The use of corrosion-resistant materials ensures a long lifetime and avoids contamination of the plastic granules.

Economy

Pre-heated material increases the efficiency of the processing machine and thus productivity, while simultaneously decreasing energy costs. Heating raw material in a hot air dryer is up to 38% more efficient than when material is heated up in a processing machine. Fully insulated and equipped with a specially designed air diffuser, the LUXOR hot air dryers warm up the plastic granules efficiently and with low energy consumption.

Surface moisture is removed reliably. This minimizes rejects and guarantees a constantly high product quality. At the same time, the LUXOR hot air dryer requires very little maintenance.

Reliability

World-wide, many plastic processors rely on motan’s sturdy and efficient products. The LUXOR hot air dryers are built to the same high engineering and design standards which have established motan’s reputation for the industry’s most robust and reliable equipment.

Quality

Processors need high performance equipment which will provide them with consistent finished product quality. The LUXOR hot air dryer hoppers are built to meet these high quality expectations with competitive prices and no compromise on performance. LUXOR hot air dryers, like all motan products, carry CE certification.

Central air diffuser

The specially designed central air diffuser guarantees a homogeneous distribution of hot air throughout the plastic granules.

Drying bins

The smaller range of the light-weight fully insulated drying bins have stainless steel cladding around the insulation. They are designed for direct mounting onto the throat of the processing machine. All hoppers have a hinged lid with a flange for mounting a hopper loader for automatic refilling of plastic granules, and a big access door or sight glass.

Control panel

An easy-to-use digital temperature controller which displays process and set values and has an alarm indication. The self-optimising temperature controller PID reliably keeps the drying temperature in the tolerance range of ±1°C. A built-in safety thermostat prevents material from being overheated.

Material discharge

The hot air dryers of the LUXOR HD series have slide gates as standard. For the bigger LUXOR hot air dryers, a greater variety of accessories (like suction boxes and slide gates for discharging material) is available.

Your benefits

- Continuously high product quality
- Higher productivity and efficiency
- Low energy consumption
- Easy to use
- Operational safety

- Removes surface moisture and preheats the material before processing
- By processing pre-heated material
- Energy-saving hot air dryer
- Self-optimising temperature controller with process and set value display as well as alarm indication
- Easy to clean
- Low in weight
- Long service intervals
- Homogeneous air distribution
- Accurate temperature control
- Safety thermostat
- CE certification
- Short delivery time and low price
- Heating raw material in a hot air dryer is up to 38% more efficient than heating the material in a processing machine.

Energy costs.

Heating raw material in a hot air dryer is up to 38% more efficient than when material is heated up in a processing machine. Fully insulated and equipped with a specially designed air diffuser, the LUXOR hot air dryers warm up the plastic granules efficiently and with low energy consumption.

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- By processing pre-heated material
- Low energy consumption
- Energy-saving hot air dryer
- Easy to use
- Self-optimising temperature controller with process and set value display as well as alarm indication
- Easy to clean
- Light in weight
- Long service intervals
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- Accurate temperature control
- Safety thermostat
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Material discharge
The hot air dryers of the LUXOR HD series have slide gates as standard. For the bigger LUXOR hot air dryers, a greater variety of accessories (like suction boxes and slide gates for discharging material) is available.

YOUR BENEFITS

- Continuously high product quality – removes surface moisture and pre-heats the material before processing
- Higher productivity and efficiency – by processing pre-heated material
- Low energy consumption – a fully insulated and energy-saving hot air dryer
- Easy to use – self-optimising temperature controller with process and set value display as well as alarm indication – easy to clean – light in weight – long service intervals
- Operational safety – homogeneous air distribution – accurate temperature control – safety thermostat – CE certification
- Short delivery time and low price
- Heating raw material in a hot air dryer is up to 38% more efficient than heating the material in a processing machine

LUXOR HD
HOT AIR DRYERS
**Drying LUXOr HD**

**Hot air dryers**

**LUXOr HD**

**Technical data**

**LUXOr HD 30-150**

- Dry air dryer
- Type LUXOR HD
- Drying bin volume (l): 30, 60, 150
- Air flow rate (m³/h): 25, 50, 100
- Max. temperature (°C): 130
- Connected load (kW): 2.0
- Max. back-up fuse (A): 16
- Control voltage (V DC): 24
- Power supply (V/Hz): 1/N/PE 230/50
- Dimensions (mm): H 713, B 525, Ø d 342
- Weight approx. (kg): 24
- Colour RAL (orange/grey): 2011/7040

**Subject to technical changes**

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**LUXOr HD 250-600**

- Dry air dryer
- Type LUXOR HD
- Drying bin volume (l): 250, 400, 600
- Air flow rate (m³/h): 80, 120, 200
- Max. temperature (°C): 140
- Connected load (kW): 3.3
- Max. back-up fuse (A): 16
- Control voltage (V DC): 24
- Power supply (V/Hz): 3/N/PE 400/50
- Dimensions (mm): H1 2282, H2 2700, L 1165
- Weight approx. (kg): 195
- Colour RAL (frame): 7040

**Subject to technical changes**

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**LUXOr HD 900-2400**

- Dry air dryer
- Type LUXOR HD
- Drying bin volume (l): 900, 1200, 1800, 2400
- Air flow rate (m³/h): 300, 400, 600, 800
- Max. temperature (°C): 140
- Connected load (kW): 12.55, 17.55, 25.60, 36.10
- Max. back-up fuse (A): 35A, 50A, 63A
- Control voltage (V DC): 24
- Power supply (V/Hz): 3/N/PE 400/50
- Dimensions (mm): H1 2890, H2 3500, L 1739
- Weight approx. (kg): 420
- Colour RAL (frame): 7040

**Subject to technical changes**

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**Performance data**

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* The throughputs in the table refer to MH=maximum heat-up or SMR=surface moisture removal

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