



## LUXOR CA

### Compressed air dryers



Efficient, accurate material drying is a crucial element in the processing of high grade engineering plastics to ensure impeccable product quality.

Motan's fully insulated LUXOR CA compressed air dryers are a cost effective solution for highly efficient continuous drying of all types of plastic granulate with material throughputs up to 25 kg/h. Dryers can be mounted directly on the throat of the processing machine or on an adjacent support frame.

The LUXOR CA dryer takes factory supplied compressed air which is expanded to atmospheric pressure. This produces dry process air with a very low dew point which is then heated to the required drying temperature. No desiccant is required.

All models are equipped with thermostat and low air flow safety switch to prevent overheating of material. The hinged lid on each drying bin provides easy access and has a flange for fitting a Motan hopper loader for automatic material conveying.



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Technical data	LCA 15	LCA 30	LCA 60
Capacity (l)	15	30	60
Air flow (m³/h)	4 - 12	6 - 15	10 - 25
Air supply, oil and water free (bar)	5 - 7		
Power supply (V/Hz)	230/50		
Max temperature (°C)	180		
Weight (kg)	20	25	35
Dimensions (mm)			
H	615	750	937
B	405	470	544
Ø d	278	342	416



### Performance data

All data are approx. values applicable to commercially available material.

Material	Drying temperature °C	Residence time hours	LUXOR CA dryer model		
			LCA 15	LCA 30	LCA 60
ABS	80	2 - 3	4	8	16
CA	75	2 - 3	4.5	9	18
CAB	75	2 - 3	4	8	16
CP	75	4	3	6	12
EPDM	80	4	3	5	10
LCP	150	4	4	7.5	15
PA 6/66	80	4 - 6	2.5	4.5	9
PA 6.10/11/12	80	4 - 6	2	4	8
PAEK	160	3 - 4	3.5	6.5	13
PBT	110	3 - 4	4	8.5	16
PC	120	2 - 3	5	9	18
PE*	90	2 - 3	5	9	18
PE black	90	3	4	7	14
PEEK	150	3	4.5	8	16
PEI	150	3 - 4	3	6	12
PES	150	4	3.5	6.5	13
PET	175	4 - 6	2	4	8
PET-G	65	4 - 6	2	4	8
PMMA	80	2 - 3	4.5	9	18
POM	110	2 - 3	5.5	10	20
PP*	100	2 - 3	4	7	14
PPE	110	2 - 3	4.5	8	16
PPS	140	3 - 4	4	7	14
PS	80	2	5.5	10	20
PSU	130	3 - 4	4	7	15
PVC	70	1 - 2	8	14	26
SAN	80	2 - 3	4.5	8.5	16
SB	80	2	5.5	10	20
TPU (PUR)	90	2 - 3	4	7.5	15

\* Only filled/reinforced materials are hygroscopic.  
Subject to technical changes.

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## Your benefits:

- Reliability and efficiency
  - air flow display to eliminate risk of under-drying of material
  - air flow regulator ensures correct quantity of air is used for the required material throughput
- Fully insulated drying bin
  - low energy consumption and uniform drying
- Lightweight
  - for easy mounting on machine
- Operational safety
  - process air control sensor
  - separate safety thermostat
  - low air flow safety switch
  - large alarm beacon
- Flexibility
  - drying temperatures up to 180°C
  - can dry all types of plastic granulate
  - no desiccant needed
- Hinged lid with flange for hopper loader
  - for easy clean-out and material conveying
- Proven control
  - simple operation
  - accurate temperature control
- Optional available:
  - accessories for improving the quality of the compress air or lowering the dew point
  - Venturi Loader METRO MVS

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DIN EN ISO 9001:2000 accredited (\*\* in progress)