



Technical data

Dry air generator Type METROLUX	METROLUX A 50	METROLUX A 80
Dry air flow rate [m³/h]	50	80
Max. number of drying bins	3	3
Connected load [kW]	3,2*	3,8*
Power supply [V/Hz]	3/N/PE 400/50	3/N/PE 400/50
Compressed air oil and water-free [bar]	5 - 7	5 - 7
Weight approx. [kg]**	120	130
Colour RAL orange/grey	2011/7040	2011/7040

* Excluding drying bins and hopper loader.

** Depending on equipment

Technical data - Drying bins

Drying bin volume [l]	15	30	60	100	150	250
Temperature range [°C]	60 - 140					
Connected load [kW]	1,5			2,5		
Power supply [V/Hz]	1/N/PE 230/50					
Dimensions [mm]						
L1 - 1 drying bin	605			625		
L1 - 2 drying bins	1160			1205		
L1 - 3 drying bins	1700			-		
H1	-			1705		2040
H2*	1610			-		
Weight approx. [kg]**	16	20	30	64	72	85
Colour RAL orange/grey	2011/7040					

* Dimension of unit without flexible hoses.

** Depending on equipment

Performance data

Material	Drying temperature [°C]	Residence time [h]	Drying bin - Performance range [kg/h]						
			15 l	30 l	60 l	100 l	150 l	250 l	
ABS	80	2-3	4	8	15	25	38	63	
EPDM	80	4	2	4	8	13	20	33	
LCP	150	4	4	7	15	24	36	61	
PA 6/66	75	4-6	2	4	8	14	20	34	
PA 6.10.11.12	80	4-6	2	4	8	13	20	33	
PAEK	160	3-4	3	6	12	20	29	49	
PBT	110	3-4	4	8	15	26	39	64	
PC	120	2-3	4	8	15	26	39	64	
PE black	90	3	2	4	8	14	21	35	
PEEK	150	3	4	8	15	26	39	64	
PEI	150	3-4	3	6	12	20	29	49	
PES	150	4	3	6	12	21	31	51	
PET (Prof.)	175	4-6	2	4	8	13	20	33	
PET (Inj. mould.)	120	4	3	5	8	15	23	38	
PET-G	65	4-6	2	4	8	13	20	33	
PMMA	80	2-3	4	7	14	24	36	60	
POM	110	2-3	4	8	17	28	42	69	
PP	100	2-3	3	6	12	20	29	49	
PPE	110	2-3	4	8	15	26	38	64	
PPS	140	3-4	4	7	14	23	35	58	
PS	80	2	5	9	18	30	46	76	
PSU	130	3-4	4	8	15	25	38	63	
PVC	70	1-2	5	9	18	30	46	76	
SAN	80	2-3	4	8	16	26	39	65	
SB	80	2	4	8	17	28	42	69	
TPU	90	2-3	3	6	11	19	28	46	

* Varies with bulk density, residence time and initial moisture content.

Subject to technical changes.

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METROLUX A

DryingLine



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METROLUX A 50/80

Drying and conveying

The processing of high quality engineering polymers can make difficult demands on material drying and conveying to the processing machine, even for small quantities.

Special features of the METROLUX A 50 and 80 protect the material during drying, matching the throughput and saving energy.

The dryers can be equipped with up to three fully insulated drying bins, sized in accordance with the material throughputs.

A conveying vacuum pump with central filter is integrated into the dry air generator. As well as taking care of the loaders on the drying bins, it can support up to three hopper loaders on machines.

Critical materials will be protected from reabsorbing moisture after the drying process if purge valves and closed-loop conveying are integrated into the system.

METROLUX A 50 and 80 are the ideal solutions for drying and conveying small quantities.



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METROLUX A 50/80: Whether as a stand-alone solution or integrated into a large system – always a good investment with regard to productivity and quality.

The METROLUX A 50/80 dryer range offers many features of a central drying system, such as:

- IPC capable control with integrated Ethernet interface
- Colour graphic display with touch-screen
- CAN-Bus system for controlling and supervising the drying bins and conveying system
- Can be integrated in a Motan CONTROLnet automation network through web technology
- The integrated DryingOrganizer function protects material from over drying as well as insufficient drying

- Drying costs are reduced by an energy optimised regeneration process as well as by dew point control
- Recipe management, password protection, weekly timer and integrated conveying control

The METROLUX A 50/80 blowers are ideal for stand-alone solutions. Alternatively, they can be integrated into large systems.

Design features

Dehumidified air drying

- With continuous dehumidified air
- Parts in contact with the material constructed from stainless steel
- Integrated timer

Option:

- Dew point control
- DryingOrganizer
- Recipe management

Conveying

- Integrated conveying blower with central filter
- Convey control for six hopper loaders

Option:

- Control of three purge valves

Control/communication

- Operation using a colour graphic display with touch-screen
- Ethernet interface as standard
- Remote access possible through WEBpanel
- Full network possibilities with Motan CONTROLnet controls

