

Dehumidifier Econosorb



EFP - 81, 81L, 101, 101L, 102, 102L

Dehumidifying capacity at 20°C / 60%RH

15,4 - 51,4 kg/h

Dry air flow

3000 - 8500 m³/h

- High efficiency scroll compressor
- Very low energy consumption
- High efficiency fans with backward curved fan wheels and EC-motors
- Linear control on compressor, possible to go down to 30% of max capacity
- 47 mm double skin mineral wool insulated panels
- Automatic control of the wet air fan speed
- PLC C4 with touch display and Modbus RTU
- Options:
 - Control process airflow or static pressure
 - Stainless steel panels
 - Outdoor design



Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency.

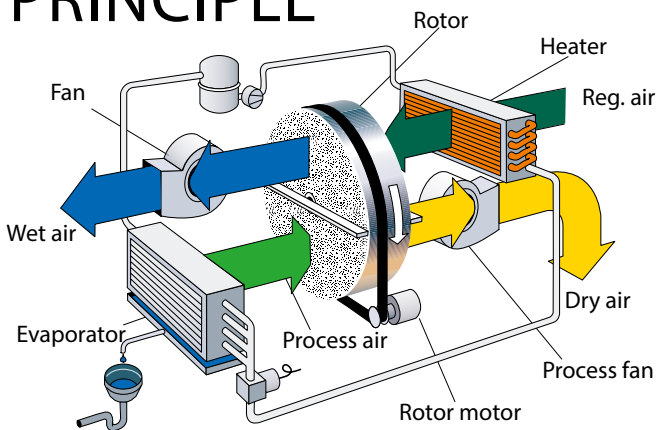
World leaders in dehumidification.

TECHNICAL DATA

Dehumidifier model	EFP-81	EFP-81L	EFP-101	EFP-101L	EFP-102	EFP-102L
Nominal capacity ¹ (kg/h)	15,4	19,3	22,3	27,5	43,5	51,4
Dry air flow ² (m ³ /h)	3000	3700	4300	5000	6500	8500
Static pressure at disposal (Pa)	200	200	200	200	200	200
Regen airflow, nominal ² (m ³ /h)	1100	1350	1500	1800	3500	3400
Regen airflow, max ³ (m ³ /h)	1800	1800	2300	2300	4400	4400
Static pressure at disposal (Pa)	200	200	200	200	200	200
Compressor power, nominal (kW)	5,3	6,5	6,7	8,7	12,3	15,3
Fan power, nominal ⁴ (kW)	1,4	1,8	1,7	2,2	4,3	6,0
Total nominal power (kW)	6,6	8,2	8,4	10,9	16,6	21,2
Supply fuses at 3x400V (A)	16	20	20	25	50	50
Weight (kg)	860	860	1280	1280	1400	1400

- Valid for inlet conditions 20°C/60%RH.
- At 20°C/60%RH inlet temperature on regen air.
- To be able to run full compressor power at regen inlet 30°C.
- At 20°C/60%RH inlet temperature on both process and regen air.

PRINCIPLE



DIMENSIONS

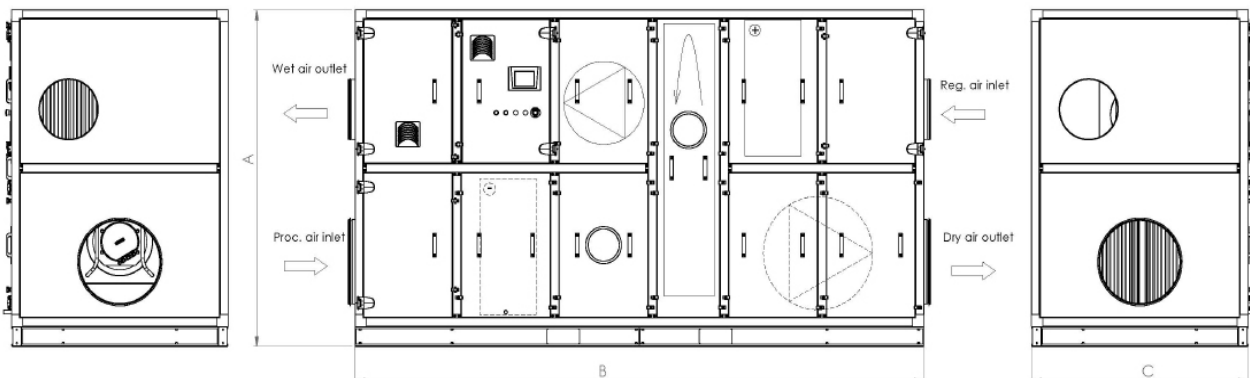
Subject to change without notice.

	EFP-81	EFP-81L	EFP-101	EFP-101L	EFP-102	EFP-102L
A	1590	1590	1990	1990	1990	1990
B	3490	3490	3490	3490	3590	3590
C	1030	1030	1330	1330	1330	1330

DRY AIR OUTLET

SERVICE SIDE VIEW

PROC. AIR INLET



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