

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.

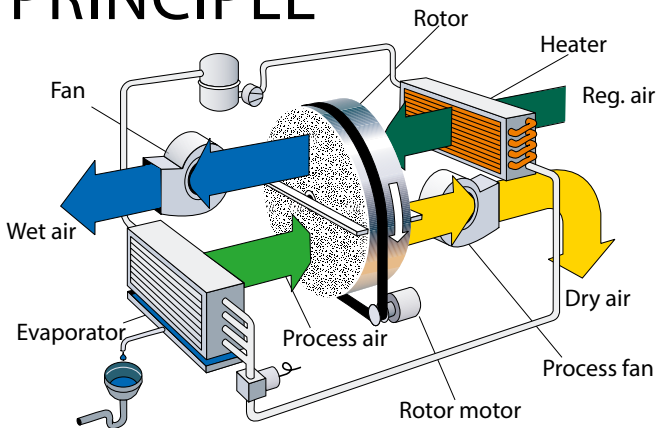
World leaders in dehumidification.

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

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

PRINCIPLE



DIMENSIONS

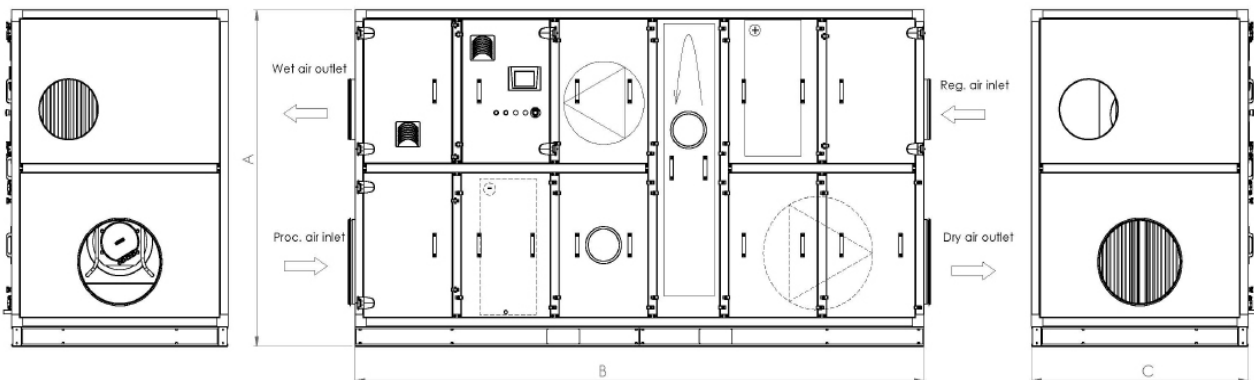
Subject to change without notice.

	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



Updated 21.06



Sweden | +46 8 445 77 20
info@dst-sg.com | www.dst-sg.com