

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

- Very low energy consumption
- High efficiency scroll compressor
- 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



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

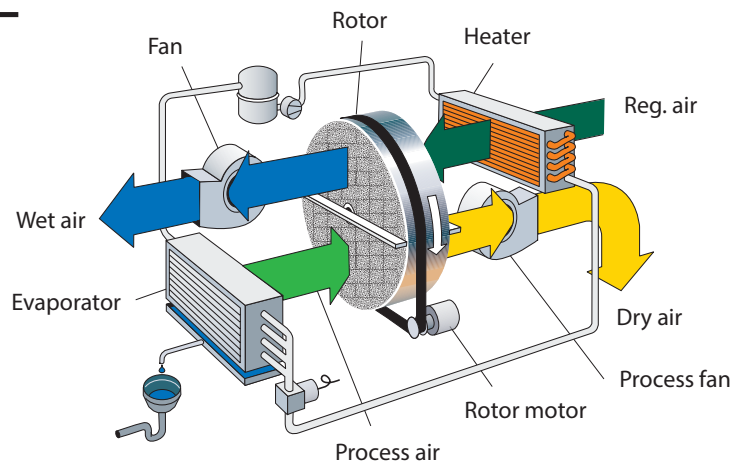
World leaders in dehumidification.

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. Download installation drawing at www.dst-sg.com

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