

# PRODUCT CATALOGUE



PROVIDING **GLOBAL SYSTEM** SOLUTIONS

**MODULAR AIR  
HANDLING UNIT  
SENATOR 25**

## Senator 25



### INTRODUCTION TO THE RANGE

- Modular unit
- 13 sizes from 450 to 80 000 m<sup>3</sup>/h
- Structure: framework reinforced with an Aluzinc section structure and aluminium corners
- 25 mm expanded polyurethane double wall
- Smooth wall, easily cleaned steel interior
- Lacquered paint finish - RAL 9002
- Filtration G2 to F8 and H13 + active carbon
- High-efficiency forward of backward fans
- IP55 class F motor + thermal protection
- Recovery section for all systems
- Detailed technical specifications available on request
- Conforms to EN 1886 standard

### CONSTRUCTION

- The SENATOR 25 unit can cover the full range of air treatment and recovery functions, with components selected for their excellent performance and reliability.
- The system of Aluzinc sections and aluminium corners provides a rigid and robust framework, complemented by a high level of insulation and air-tightness. The use of pre-lacquered sheet outer panels gives the unit a particularly pleasing appearance and provides excellent corrosion resistance

### OPTIONS AND ACCESSORIES

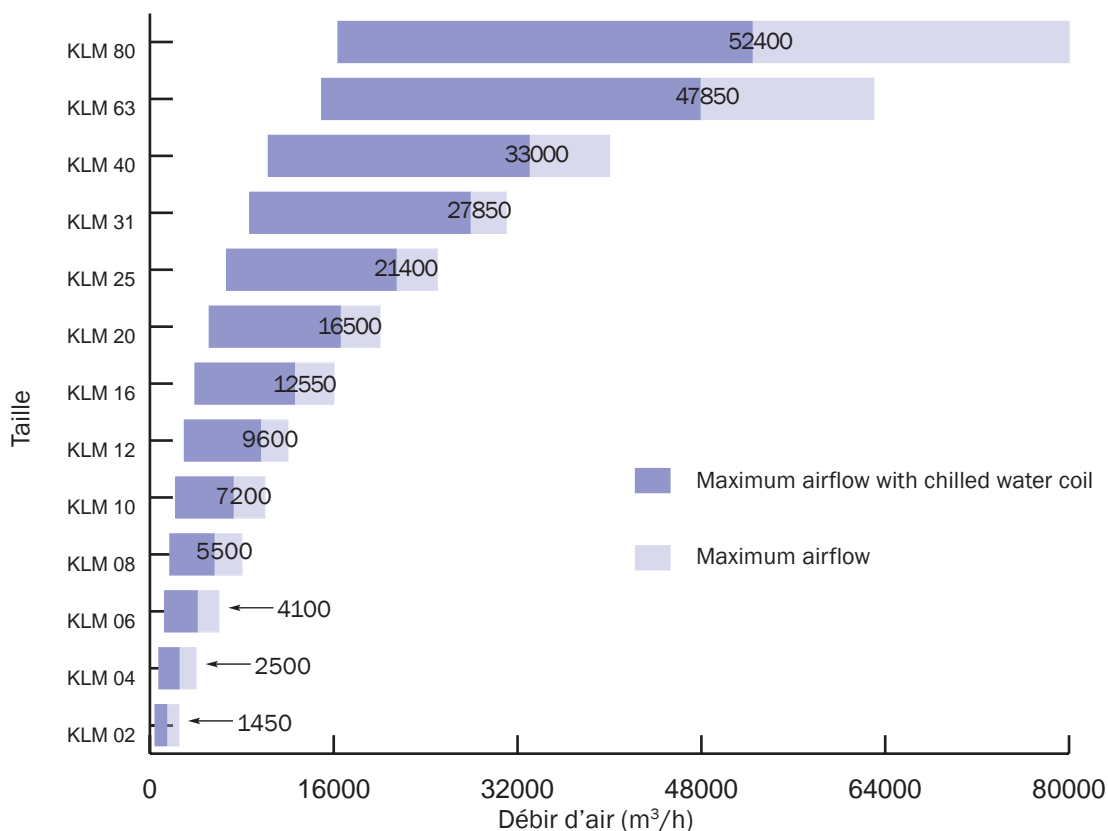
- Exterior installation (roof, cowl)
- Pressure inlets
- Vents
- Lighting

SENATOR 25 - 450 → 80 000 m<sup>3</sup>/h

## GENERAL DATA

AIR HANDLING UNIT	KLM	02	04	06	08	10	12	16
<b>Quick selection</b>								
Minimum airflow	m <sup>3</sup> /h	450	790	1290	1740	2260	3010	3930
Maximum airflow	m <sup>3</sup> /h	2500	4000	6000	8000	10000	12000	16000
Section	mm x mm	550x550	650x650	800x800	1000x800	1000x1000	1250x1000	1250x1250
<b>Insulation</b>								
Thickness	mm	25						
Insulation material	Polyurethane foam							
Heat transfer ratio	W/m <sup>2</sup> °C	0,88						
<b>Structure</b>								
Profiles	Galvanized steel profil							
Corners	Aluminium							
Panels	Inside : galvanized steel / Outside : Galvanized steel pre-enamed RAL 9002							
<b>Classification</b>								
Casing strength	Classe 2A							
Casing air leakage	Classe B							
Thermal transmittance	Classe T2							

AIR HANDLING UNIT	KLM	20	25	31	40	63	80
<b>Quick selection</b>							
Minimum airflow	m <sup>3</sup> /h	5200	6700	8750	10350	15000	16400
Maximum airflow	m <sup>3</sup> /h	20000	25000	31000	40000	63000	80000
Section	mm x mm	1600x1250	1600x1600	2000x1600	2250x1700	2400x2250	2600x2250
<b>Insulation</b>							
Thickness	mm	25					
Insulation material	Polyurethane foam						
Heat transfer ratio	W/m <sup>2</sup> °C	0,88					
<b>Structure</b>							
Profiles	Galvanized steel profil						
Corners	Aluminium						
Panels	Inside : galvanized steel / Outside : Galvanized steel pre-enamed RAL 9002						
<b>Classification</b>							
Casing strength	Classe 2A						
Casing air leakage	Classe B						
Thermal transmittance	Classe T2						



Note: The minimum and maximum flow rates for each machine are shown in the table above.  
The values shown are the maximum flow rates with the chilled water coil



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**SENATOR25-PCA-0404-E**

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