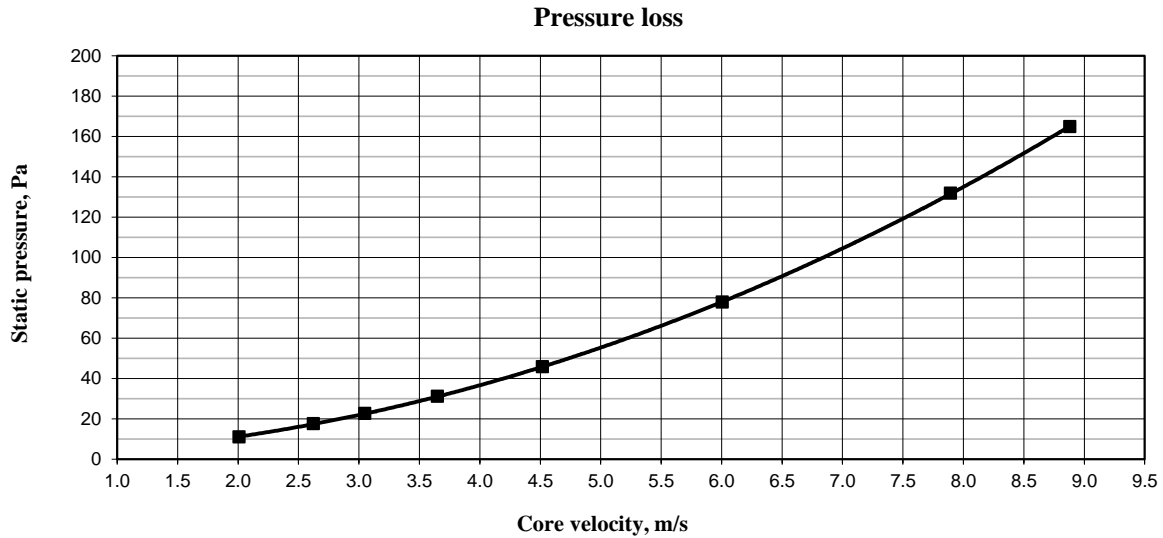


Air terminal device: WS-X, 35 mm pitch  
**Aerodynamic performance of air terminal device**  
 EN 13030:2001

Core area:  
 width: 985 mm  
 height: 895 mm  
 area: 0.882 m<sup>2</sup>

Direction of flow: normal  
 Air density 1.20 kg/m<sup>3</sup>



q <sub>v</sub> m <sup>3</sup> /s	v m/s	p <sub>s1</sub> Pa	Performance	
			C <sub>E</sub> -	Class
1.770	2.01	11.0	0.470	1
2.312	2.62	17.6	0.485	1
2.688	3.05	22.6	0.497	1
3.218	3.65	31.1	0.507	1
3.984	4.52	45.7	0.518	1
5.295	6.01	77.8	0.527	1
6.960	7.89	132	0.532	1
7.829	8.88	165	0.536	1
Average			0.509	

**Symbols and units**

- q<sub>v</sub> Air flow rate, m<sup>3</sup>/s
- v Core velocity, m/s
- p<sub>s1</sub> Static pressure of device, Pa
- C<sub>E</sub> Entry loss coefficient, -

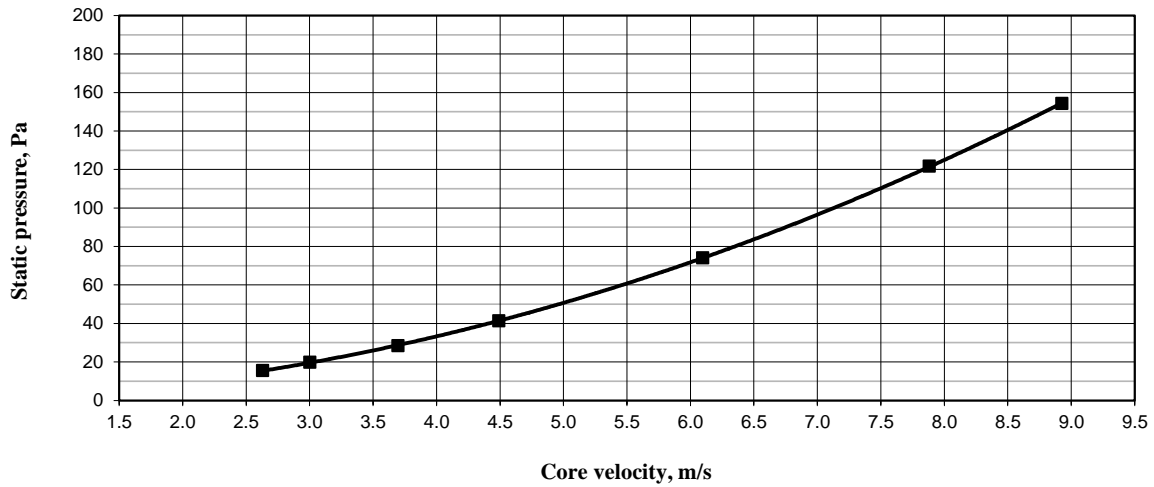
Air terminal device: WS-X, 40 mm pitch  
**Aerodynamic performance of air terminal device**  
 EN 13030:2001

Core area:

width: 985 mm  
 height: 895 mm  
 area: 0.882 m<sup>2</sup>

Direction of flow: normal  
 Air density 1.20 kg/m<sup>3</sup>

**Pressure loss**



q <sub>v</sub> m <sup>3</sup> /s	v m/s	p <sub>s1</sub> Pa	Performance	
			C <sub>E</sub> -	Class
2.319	2.63	15.4	0.518	1
2.648	3.00	19.8	0.522	1
3.259	3.70	28.4	0.537	1
3.960	4.49	41.3	0.541	1
5.376	6.10	74.0	0.549	1
6.949	7.88	122	0.553	1
7.869	8.93	154	0.557	1
Average			0.540	

**Symbols and units**

- q<sub>v</sub> Air flow rate, m<sup>3</sup>/s
- v Core velocity, m/s
- p<sub>s1</sub> Static pressure of device, Pa
- C<sub>E</sub> Entry loss coefficient, -