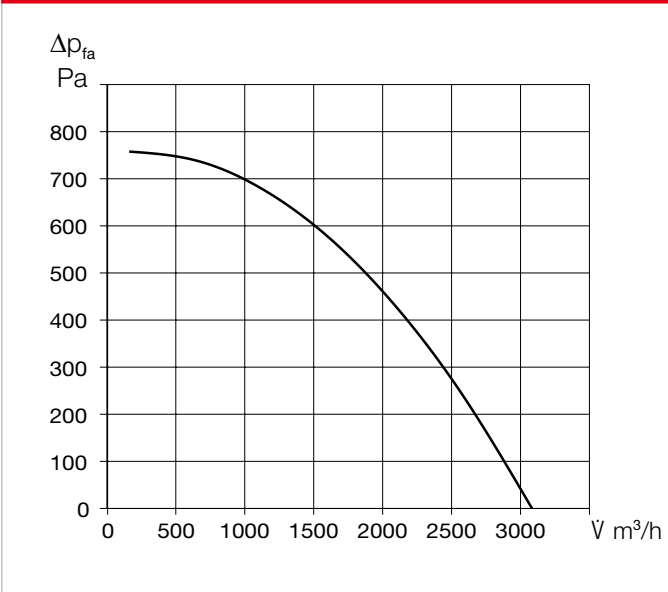


**AIR1 XVP 2500**



**Performance curve AIR1 XVP 2500**



**Unit type**

	<b>AIR1 XVP 2500</b>
Ref. no.	40615
Heat exchanger	Cross-counterflow

**Technical data**

Mechanical data	
Area of application	Inside
Installation position	standing
Maintenance access	both sides
Min. air volume	700 m <sup>3</sup> /h
Max. air volume ERP	2,360 m <sup>3</sup> /h <sup>(1)</sup>
Max. air volume (free blowing)	3,000 m <sup>3</sup> /h
Weight, unit operational	427 kg
Housing class (DIN 1886)	T2 / TB2 / D2
Filter Outside air	ISO ePM <sub>1</sub> , 55% (F7) <sup>(2)</sup>
Filter Extract air	ISO ePM <sub>10</sub> 50% (M5) <sup>(2)</sup>
Media temperature (air)	-20 to +50 °C
Ambient temperature (operation)	0 to +50 °C
Protection class	IP31
Electrical data	
Central building control system	BACnet, Modbus TCP/IP
Voltage / Frequency	400 V 3N ~, 50 Hz
Max. output Fans	2 x 780 W
Max. output Elec. pre-/post-heater	9,040 /9,040 W <sup>(3)</sup>
Nominal current	
– Ventilation unit	3.4 / 3.4 / 0.3 A
– Electrical pre-heater	13 / 13 / 13 A <sup>(3)</sup>
– Electrical auxiliary heater	13 / 13 / 13 A <sup>(3)</sup>
– max. total	29.4 / 29.4 / 26.3 A
Connection (wiring diagram no.)	1509

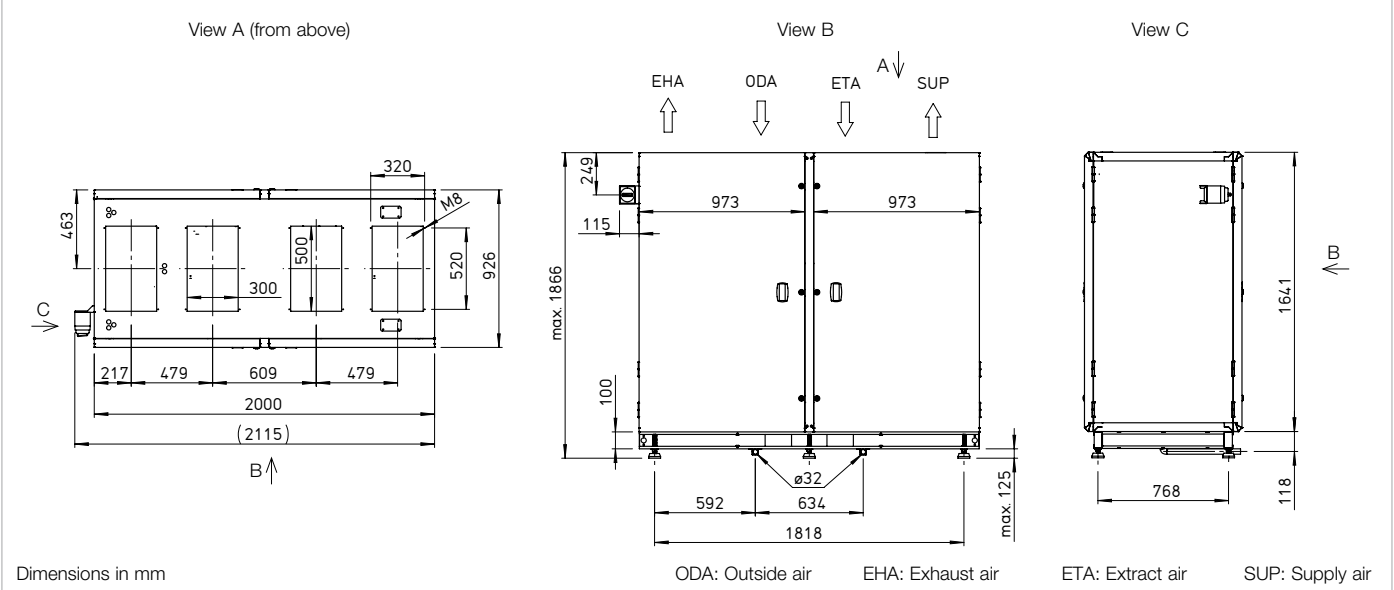
(1) = at 200 Pa external pressure loss ERP-compliant  
(2) = Other filter classes see optional accessories  
(3) = Optional accessory

**Sound data**

Sound power level L <sub>WA</sub> dB(A) at 250 Pa external pressure			
	880 m <sup>3</sup> /h	1,700 m <sup>3</sup> /h	2,360 m <sup>3</sup> /h
Supply air (L <sub>WA</sub> )	62	79	88
Extract air (L <sub>WA</sub> )	53	61	69
Outside air (L <sub>WA</sub> )	57	66	66
Exhaust air (L <sub>WA</sub> )	61	73	81
Sound pressure level L <sub>pA</sub> dB(A) of sound radiated from housing			
	880 m <sup>3</sup> /h	1,700 m <sup>3</sup> /h	2,360 m <sup>3</sup> /h
Housing rad. 1 m	43	57	64
Housing rad. 3 m	33	47	54
Housing rad. 5 m	29	43	50

The sound power at the connectors is calculated for the simultaneous operation of both fans. The sound pressure level is determined for the simultaneous operation of both fans at distances of 1, 3 and 5 m.

**Dimensions AIR1 XVP 2500**



**Accessories**

**Heating and cooling registers**

<b>Pre-heater</b>		
<b>AIR1-EVH XVP 2500</b> Electrical, internal	Ref. no. 40496	Page 52
<b>Auxiliary heater</b>		
<b>AIR1-ENH XVP 2500</b> Electrical, internal	Ref. no. 40497	Page 52
<b>AIR1-NH WW XVP 2500</b> Hot water, internal	Ref. no. 40498	Page 53
<b>Hydraulic unit for hot water heater register</b>		
<b>WHSB HE 24 V (0 – 10 V)</b>	Ref. no. 08318	Page 53
<b>Cooling register</b>		
<b>AIR1-KR KW XVP 2500 L <sup>(1)</sup></b> Cold water, external	Ref. no. 40499	Page 54
<b>AIR1-KR KW XVP 2500 R <sup>(1)</sup></b> Cold water, external	Ref. no. 40500	Page 54
<b>AIR1-CO DX XVP 2500 L <sup>(1)</sup></b> Change-over, external	Ref. no. 40505	Page 55
<b>AIR1-CO DX XVP 2500 R <sup>(1)</sup></b> Change-over, external	Ref. no. 40506	Page 55
<b>Cooling register accessories</b>		
<b>AIR1-KS D</b> for use with ceiling mounted units and cooling register	Ref. no. 07170	Page 57

**Air routing**

<b>Multi-leaf damper</b>		
<b>AIR1-JVK XC 2200/XVP 2500</b>	Ref. no. 06000	Page 56
<b>Flexible connector</b>		
<b>AIR1-VS 50/30</b>	Ref. no. 07407	Page 57
<b>Square-round adapter</b>		
<b>AIR1-ÜS XC 2200/XVP2500</b>	Ref. no. 04364	Page 57

**Condensate drainage**

<b>Ball siphon</b>		
<b>AIR1-KS B</b> for use with floor-mounted units and cooling register	Ref. no. 07169	Page 57

**Controls**

<b>Controllers</b>		
<b>AIR1-BE ECO</b>	Ref. no. 06186	Page 58
<b>AIR1-BE TOUCH 2</b>	Ref. no. 40751	Page 58
<b>Controller connection cable</b>		
<b>AIR1-SL 4/10</b> 10 m	Ref. no. 07073	Page 58
<b>AIR1-SL 4/20</b> 20 m	Ref. no. 07121	Page 58
<b>Sensors</b>		
<b>AIR1/KWL-VOC 0-10V</b> Mixed gas sensor	Ref. no. 20250	Page 58
<b>AIR1/KWL-CO2 0-10V</b> Carbon dioxide sensor	Ref. no. 20251	Page 58
<b>AIR1/KWL-FTF 0-10V</b> Humidity-temperature sensor	Ref. no. 20252	Page 58
<b>AIR1-CO2 K</b> Carbon dioxide sensor duct	Ref. no. 07124	Page 58
<b>Signal converter for sensors</b>		
<b>AIR1-SK</b>	Ref. no. 06019	Page 59
<b>Extension kit for constant pressure control</b>		
<b>AIR1-CAP</b>	Ref. no. 06756	Page 58

**Air filters**

<b>Spare air filter and other filter classes</b>		
<b>ELF-AIR1 XVP 2500 ePM10 50%/48 (M5)</b>	Ref. no. 40527	Page 59
<b>ELF-AIR1 XVP 2500 ePM10 50%/96 (M5)</b>	Ref. no. 40526	Page 59
<b>ELF-AIR1 XVP 2500 ePM1 55%/96 (F7)</b>	Ref. no. 40528	Page 59
<b>ELF-AIR1 XVP 2500 ePM1 80%/96 (F9)</b>	Ref. no. 40529	Page 59

The use of original spare air filters is mandatory to guarantee the specified technical data and air volumes.

(1) = When looking at the cooling register from the air flow direction, the service side is on the right for the R version and on the left for the L version.