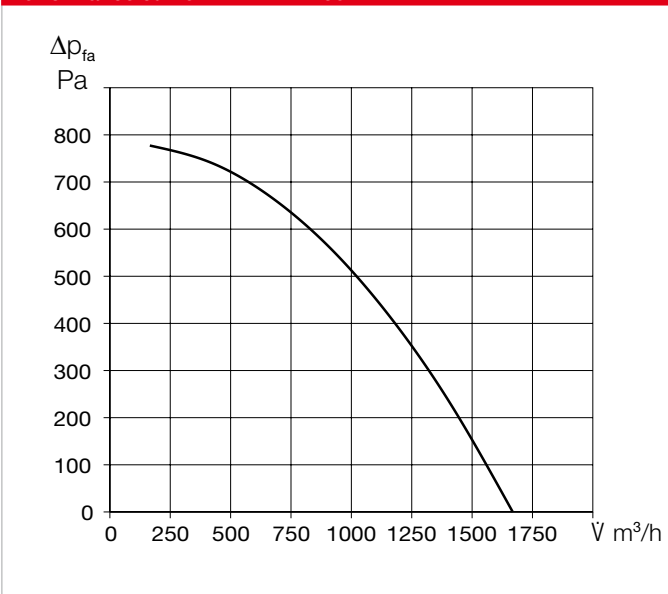


**AIR1 XVP 1250**



**Performance curve AIR1 XVP 1250**



**Unit type**

	<b>AIR1 XVP 1250</b>
Ref. no.	40613
Heat exchanger	Cross-counterflow

**Technical data**

Mechanical data		
Area of application	Inside	
Installation position	standing	
Maintenance access	both sides	
Min. air volume	400 m <sup>3</sup> /h	
Max. air volume ERP	1,200 m <sup>3</sup> /h <sup>(1)</sup>	
Max. air volume (free blowing)	1,700 m <sup>3</sup> /h	
Weight, unit operational	275 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 (place of installation)	0 to +50 °C	
Protection class	IP31	
Electrical data		
Central building control system	BACnet, Modbus TCP/IP	
Voltage / Frequency	400 V 3N ~, 50 Hz	230 V 1N ~, 50 Hz <sup>(4)</sup>
Max. output Fans	2 x 500 W	2 x 500 W
Max. output Elec. pre-/post-heater	3,600 / 4,520 W <sup>(3)</sup>	2,605 / – W <sup>(3)</sup>
Nominal current		
– Ventilation unit	4.7 / 0 / 0 A	4,7 A
– Electrical pre-heater	5.2 / 5.2 / 5.2 A <sup>(3)</sup>	11.3 A <sup>(3)</sup>
– Electrical auxiliary heater	6.5 / 6.5 / 6.5 A <sup>(3)</sup>	nicht zulässig
– max. total	16.4 / 11.8 / 11.8 A	16 A
Connection (wiring diagram no.)	1507	1507

(1) = at 250 Pa external pressure loss ERP-compliant

(2) = Other filter classes see optional accessories

(3) = Optional accessory

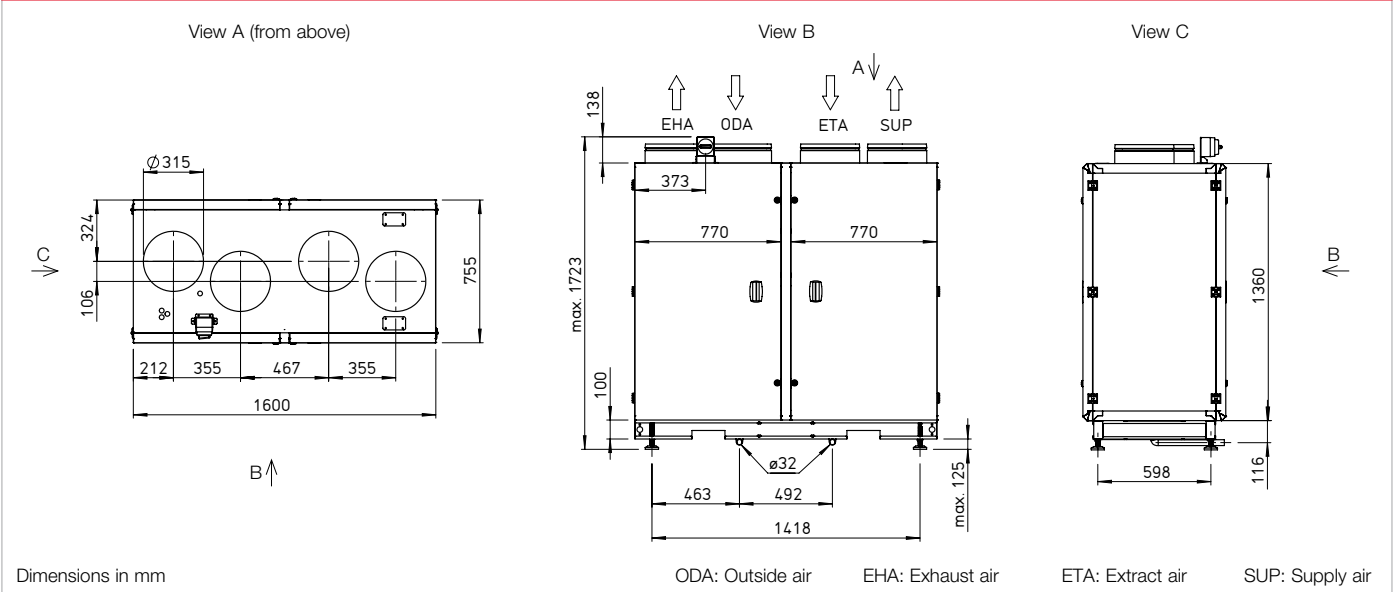
(4) = Note: The 230 V supply of the unit is only permissible without electrical post-heating, but with preheater AIR1-EVH XVP 1250-2,6.

**Sound data**

Sound power level L <sub>WA</sub> dB(A) at 250 Pa external pressure			
	450 m <sup>3</sup> /h	800 m <sup>3</sup> /h	1,200 m <sup>3</sup> /h
Supply air (L <sub>WA</sub> )	72	74	76
Extract air (L <sub>WA</sub> )	63	59	59
Outside air (L <sub>WA</sub> )	63	59	60
Exhaust air (L <sub>WA</sub> )	71	73	75
Sound pressure level L <sub>pA</sub> dB(A) of sound radiated from housing			
	450 m <sup>3</sup> /h	800 m <sup>3</sup> /h	1,200 m <sup>3</sup> /h
Housing rad. 1 m	42	42	45
Housing rad. 3 m	33	32	35
Housing rad. 5 m	28	28	31

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 1250**



**Accessories**

**Heating and cooling registers**

**Pre-heater**

<b>AIR1-EVH XVP 1250-3,6</b> Electrical, internal	Ref. no. 40480	Page 54
<b>AIR1-EVH XVP 1250-2,6</b> Electrical, internal	Ref. no. 40481	Page 54

**Auxiliary heater**

<b>AIR1-ENH XVP 1250</b> Electrical, internal	Ref. no. 40483	Page 54
<b>AIR1-NH WW XVP 1250</b> Hot water, internal	Ref. no. 40484	Page 55

**Hydraulic unit for hot water heater register**

<b>WHSH HE 24 V (0 – 10 V)</b>	Ref. no. 08318	Page 55
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**Cooling register**

<b>AIR1-KR KW XVP 1250 L <sup>(1)</sup></b> Cold water, external	Ref. no. 40485	Page 56
<b>AIR1-KR KW XVP 1250 R <sup>(1)</sup></b> Cold water, external	Ref. no. 40486	Page 56
<b>AIR1-CO DX XVP 1250 L <sup>(1)</sup></b> Change-over, external	Ref. no. 40487	Page 57
<b>AIR1-CO DX XVP 1250 R <sup>(1)</sup></b> Change-over, external	Ref. no. 40488	Page 57

**Cooling register accessories**

<b>AIR1-KS D</b> for use with ceiling mounted units and cooling register	Ref. no. 07170	Page 59
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**Air routing**

**Motorised duct shutter**

<b>RVMD 315/24V</b>	Ref. no. 40247	Page 58
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**Condensate drainage**

**Ball siphon**

<b>AIR1-KS B</b> for use with floor-mounted units and cooling register	Ref. no. 07169	Page 59
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**Controls**

**Controllers**

<b>AIR1-BE ECO</b>	Ref. no. 06186	Page 60
<b>AIR1-BE TOUCH 2</b>	Ref. no. 40751	Page 60

**Controller connection cable**

<b>AIR1-SL 4/10</b> 10 m	Ref. no. 07073	Page 60
<b>AIR1-SL 4/20</b> 20 m	Ref. no. 07121	Page 60

**Sensors**

<b>AIR1/KWL-VOC 0-10V</b> Mixed gas sensor	Ref. no. 20250	Page 60
<b>AIR1/KWL-CO2 0-10V</b> Carbon dioxide sensor	Ref. no. 20251	Page 60
<b>AIR1/KWL-FTF 0-10V</b> Humidity-temperature sensor	Ref. no. 20252	Page 60
<b>AIR1-CO2 K</b> Carbon dioxide sensor duct	Ref. no. 07124	Page 60

**Signal converter for sensors**

<b>AIR1-SK</b>	Ref. no. 06019	Page 61
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**Extension kit for constant pressure control**

<b>AIR1-CAP</b>	Ref. no. 06756	Page 60
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**Air filters**

**Spare air filter and other filter classes**

<b>ELF-AIR1 XVP 1250 ePM10 50%/48 (M5)</b>	Ref. no. 40519	Page 61
<b>ELF-AIR1 XVP 1250 ePM10 50%/96 (M5)</b>	Ref. no. 40518	Page 61
<b>ELF-AIR1 XVP 1250 ePM1 55%/96 (F7)</b>	Ref. no. 40520	Page 61
<b>ELF-AIR1 XVP 1250 ePM1 80%/96 (F9)</b>	Ref. no. 40521	Page 61

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.