

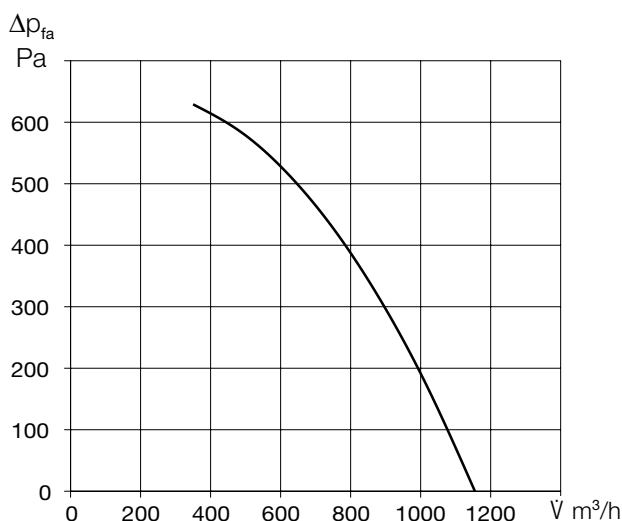
AIR1 XHP 750



**NEW**



Performance curve AIR1 XHP 750



■ Unit type

	<b>AIR1 XHP 750</b>
Ref. no.	40608
Heat exchanger	Cross-counterflow

■ Technical data

Mechanical data	
Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	270 m <sup>3</sup> /h
Max. air volume ERP	780 m <sup>3</sup> /h <sup>(1)</sup>
Max. air volume (free blowing)	1,150 m <sup>3</sup> /h
Weight, unit operational	220 kg
Delivery unit	1-part
Unit segments	1
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)	-20 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 320 W    2 x 320 W
Max. output elec. pre-/post-heater	2,700 / 2,700 W <sup>(3)</sup> 2,700 W <sup>(3)(5)</sup>
Nominal current	
– Ventilation unit	4 / 0 / 0 A    4 A    4 A
– Electrical pre-heater	0 / 0 / 11.7 A    11.7 A <sup>(4)</sup> –
– Electrical auxiliary heater	0 / 11.7 A / 0 A    –    11.7 A <sup>(4)</sup>
– max. total	4 / 11.7 / 11.7 A    15.7 A <sup>(4)</sup> 15.7 A <sup>(4)</sup>
Connection (wiring diagram no.)	1511    1511

(1) = at 200 Pa external pressure loss ERP-compliant

(2) = Other filter classes see optional accessories

(3) = Optional accessories

(4) = Attention: 230 V connection of the unit is only possible without electric heater or with auxiliary heater AIR1-EVH XHP 1000-2,5 (Art.-Nr. 40572).

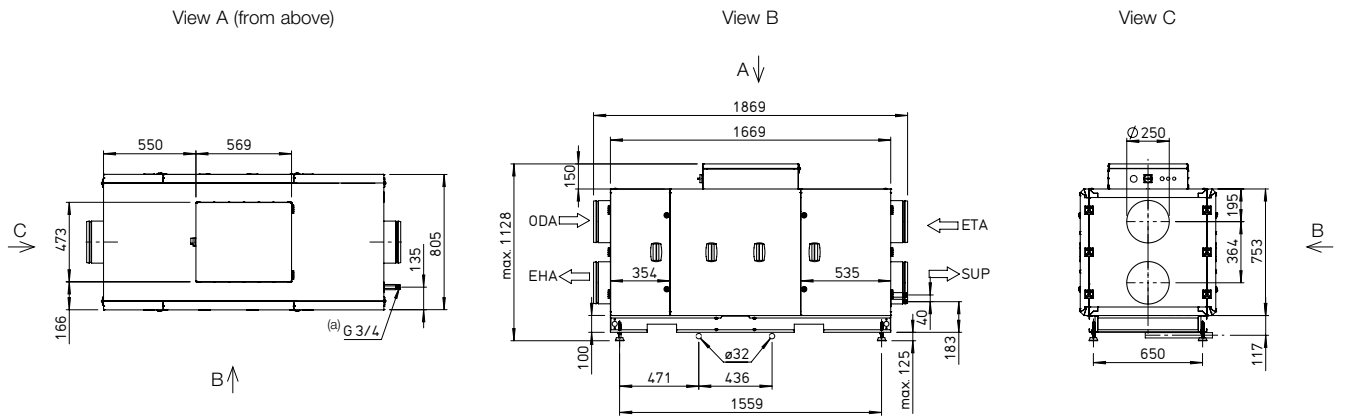
(5) = Attention: Auxiliary heater AIR1-EVH XHP 1000-2,5 (Art.-Nr. 40572) only for 230 V connection (no 400 V connection possible!).

■ Sound data

Sound power level L <sub>WA</sub> dB(A) at 200 Pa external pressure			
	370 m <sup>3</sup> /h	500 m <sup>3</sup> /h	780 m <sup>3</sup> /h
Supply air (L <sub>WA</sub> )	71	73	76
Extract air (L <sub>WA</sub> )	66	64	64
Outside air (L <sub>WA</sub> )	66	64	64
Exhaust air (L <sub>WA</sub> )	70	71	75
Sound pressure level L <sub>pA</sub> dB(A) of sound radiated from housing			
	370 m <sup>3</sup> /h	500 m <sup>3</sup> /h	780 m <sup>3</sup> /h
Housing rad. 1 m	42	42	43
Housing rad. 3 m	33	33	34
Housing rad. 5 m	28	28	29

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 XHP 750**



Dimensions in mm

(a) External thread

ODA: Outside air

EHA: Exhaust air

ETA: Extract air

SUP: Supply air

**Accessories**

**Heating and cooling registers**

**Pre-heater**

<b>AIR1-EVH XHP 750</b> Electrical, internal	Ref. no. 40549	Page 84
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**Auxiliary heater**

<b>AIR1-ENH XHP 750</b> Electrical, internal	Ref. no. 40550	Page 84
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<b>AIR1-NH WW XHP 750</b> Hot water, internal	Ref. no. 40551	Page 85
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**Hydraulic unit for hot water heater register**

<b>WHSB HE 24 V (0 – 10 V)</b>	Ref. no. 08318	Page 85
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**Cooling register**

<b>AIR1-KR KW XHP 750 L <sup>(1)</sup></b> Cold water, external	Ref. no. 40552	Page 86
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<b>AIR1-KR KW XHP 750 R <sup>(1)</sup></b> Cold water, external	Ref. no. 40553	Page 86
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<b>AIR1-CO DX XHP 750 L <sup>(1)</sup></b> Change-over, external	Ref. no. 40554	Page 88
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<b>AIR1-CO DX XHP 750 R <sup>(1)</sup></b> Change-over, external	Ref. no. 40555	Page 88
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**Air routing**

**Motorised duct shutter**

<b>RVMD 250/24V</b>	Ref. no. 40246	Page 90
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**Recirculation kit**

<b>AIR1-ULK XHP 750</b>	Ref. no. 40559	Page 91
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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 92
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**External installation**

**Cover for external installation**

<b>AIR1-AAD XHP 750</b> Weather protection cover for the unit	Ref. no. 40556	Page 93
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<b>AIR1-AAD KR KW + DX XHP 750</b> Weather protection cover for cooling register cold water or direct evaporator	Ref. no. 40557	Page 94
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**Terminal box heater**

<b>AIR1-AAHK</b>	Ref. no. 07064	Page 95
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**Controls**

**Controllers**

<b>AIR1-BE ECO</b>	Ref. no. 06186	Page 97
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<b>AIR1-BE TOUCH 2</b>	Ref. no. 40751	Page 97
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**Controller connection cable**

<b>AIR1-SL 4/10</b> 10 m	Ref. no. 07073	Page 97
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<b>AIR1-SL 4/20</b> 20 m	Ref. no. 07121	Page 97
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**Sensoren**

<b>AIR1/KWL-VOC 0-10V</b> Mixed gas sensor	Ref. no. 20250	Page 97
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<b>AIR1/KWL-CO2 0-10V</b> Carbon dioxide sensor	Ref. no. 20251	Page 97
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<b>AIR1/KWL-FTF 0-10V</b> Humidity-temperature sensor	Ref. no. 20252	Page 97
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<b>AIR1-CO2 K</b> Carbon dioxide sensor duct	Ref. no. 07124	Page 98
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**Signal converter for sensors**

<b>AIR1-SK</b>	Ref. no. 06019	Page 98
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**Extension kit for constant pressure control**

<b>AIR1-CAP</b>	Ref. no. 06756	Page 98
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**Air filters**

**Spare air filter and other filter classes**

<b>ELF-AIR1 XHP 750/ePM10 50%/48 (M5)</b>	Ref. no. 40617	Page 99
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<b>ELF-AIR1 XHP 750/ePM10 50%/96 (M5)</b>	Ref. no. 40595	Page 99
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<b>ELF-AIR1 XHP 750/ePM1 55%/96 (F7)</b>	Ref. no. 40596	Page 99
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<b>ELF-AIR1 XHP 750/ePM1 80%/96 (F9)</b>	Ref. no. 40597	Page 99
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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.