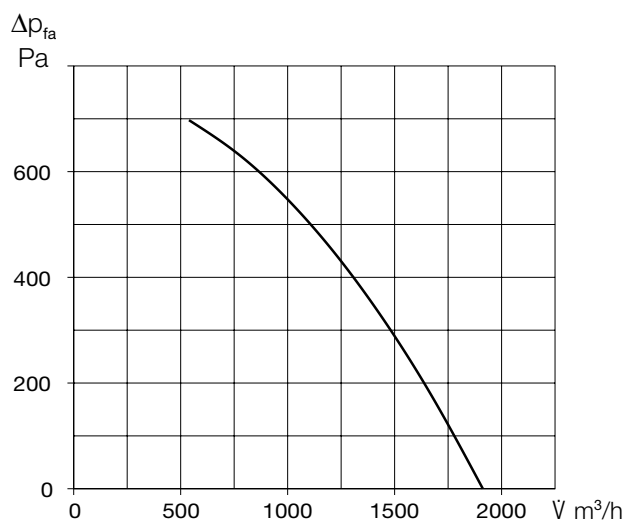


**AIR1 XHP 1500**



**NEW**

**Performance curve AIR1 XHP 1500**



**Unit type**

	<b>AIR1 XHP 1500</b>
Ref. no.	40610
Heat exchanger	Cross-counterflow

**Technical data**

<b>Mechanical data</b>	
Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	450 m <sup>3</sup> /h
Max. air volume ERP	1,435 m <sup>3</sup> /h <sup>(1)</sup>
Max. air volume (free blowing)	1,900 m <sup>3</sup> /h
Weight, unit operational	288 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 (operation)	-20 to +50 °C
Protection class	IP31
<b>Electrical data</b>	
Central building control system	BACnet, Modbus TCP/IP
Voltage / Frequency	400 V 3N ~, 50 Hz
Max. output Fans	2 x 500 W
Max. output elec. pre-/post-heater	3,600 / 5,420 W <sup>(3)</sup>
Nominal current	
– Ventilation unit	0.8 / 2.2 / 2.2 A
– Electrical pre-heater	5.2 / 5.2 / 5.2 A
– Electrical auxiliary heater	7.8 / 7.8 / 7.8 A
– max. total	13.8 / 15.2 / 15.2 A
Connection (wiring diagram no.)	1513

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

(2) = other filter classes see optional accessories

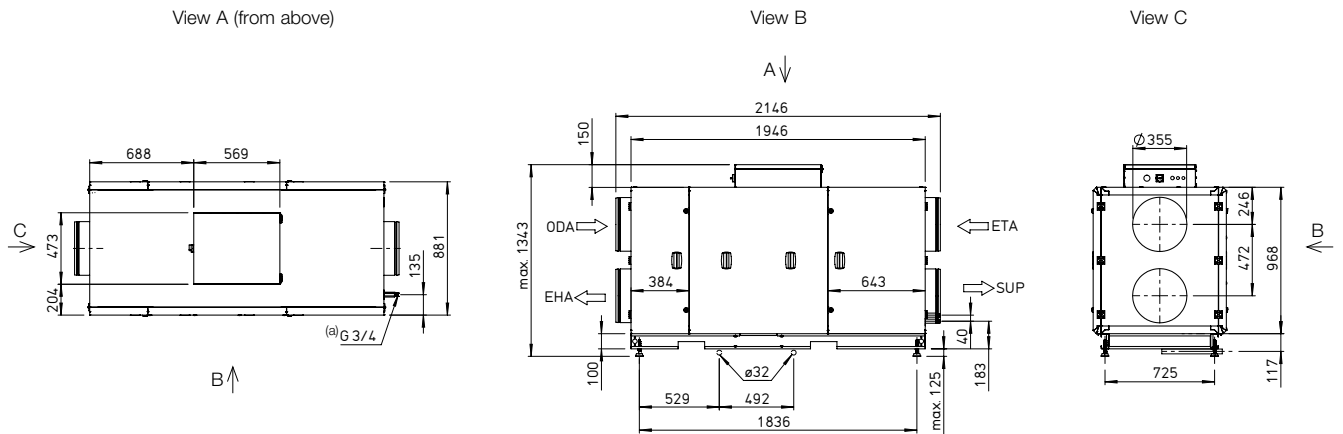
(3) = Optional accessories

**Sound data**

<b>Sound power level L<sub>WA</sub> dB(A) at 250 Pa external pressure</b>			
	625 m <sup>3</sup> /h	900 m <sup>3</sup> /h	1,435 m <sup>3</sup> /h
Supply air (L <sub>WA</sub> )	66	73	85
Extract air (L <sub>WA</sub> )	51	59	68
Outside air (L <sub>WA</sub> )	59	61	68
Exhaust air (L <sub>WA</sub> )	61	69	79
<b>Sound pressure level L<sub>pA</sub> dB(A) of sound radiated from housing</b>			
	625 m <sup>3</sup> /h	900 m <sup>3</sup> /h	1,435 m <sup>3</sup> /h
Housing rad. 1 m	42	50	60
Housing rad. 3 m	33	40	51
Housing rad. 5 m	28	36	46

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 1500**



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 1500</b> Electrical, internal	Ref. no. 40571	Page 88
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**Auxiliary heater**

<b>AIR1-ENH XHP 1500</b> Electrical, internal	Ref. no. 40573	Page 88
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<b>AIR1-NH WW XHP 1500</b> Hot water, internal	Ref. no. 40575	Page 88
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**Hydraulic unit for hot water heater register**

<b>WHSB HE 24 V (0 – 10 V)</b>	Ref. no. 08318	Page 88
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**Cooling register**

<b>AIR1-KR KW XHP 1500 L <sup>(1)</sup></b> Cold water, external	Ref. no. 40576	Page 90
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<b>AIR1-KR KW XHP 1500 R <sup>(1)</sup></b> Cold water, external	Ref. no. 40577	Page 90
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<b>AIR1-CO DX XHP 1500 L <sup>(1)</sup></b> Change-over, external	Ref. no. 40578	Page 92
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<b>AIR1-CO DX XHP 1500 R <sup>(1)</sup></b> Change-over, external	Ref. no. 40579	Page 92
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**Air routing**

**Motorised duct shutter**

<b>RVMD 355/24V</b>	Ref. no. 40248	Page 94
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**Recirculation kit**

<b>AIR1-ULK XHP 1500</b>	Ref. no. 40583	Page 95
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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 96
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**External installation**

**Cover for external installation**

<b>AIR1-AAD XHP 1500</b> Weather protection cover for the unit	Ref. no. 40580	Page 97
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<b>AIR1-AAD KR KW + DX XHP 1500</b> Weather protection cover for cooling register cold water or direct evaporator	Ref. no. 40581	Page 98
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**Terminal box heater**

<b>AIR1-AAHK</b>	Ref. no. 07064	Page 99
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**Controls**

**Controllers**

<b>AIR1-BE ECO</b>	Ref. no. 06186	Page 101
<b>AIR1-BE TOUCH 2</b>	Ref. no. 40751	Page 101

**Controller connection cable**

<b>AIR1-SL 4/10</b> 10 m	Ref. no. 07073	Page 101
<b>AIR1-SL 4/20</b> 20 m	Ref. no. 07121	Page 101

**Sensoren**

<b>AIR1/KWL-VOC 0-10V</b> Mixed gas sensor	Ref. no. 20250	Page 101
<b>AIR1/KWL-CO2 0-10V</b> Carbon dioxide sensor	Ref. no. 20251	Page 101
<b>AIR1/KWL-FTF 0-10V</b> Humidity-temperature sensor	Ref. no. 20252	Page 101
<b>AIR1-CO2 K</b> Carbon dioxide sensor duct	Ref. no. 07124	Page 102

**Signal converter for sensors**

<b>AIR1-SK</b>	Ref. no. 06019	Page 102
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**Extension kit for constant pressure control**

<b>AIR1-CAP</b>	Ref. no. 06756	Page 102
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**Air filters**

**Spare air filter and other filter classes**

<b>ELF-AIR1 XHP 1500/ePM10 50%/48 (M5)</b>	Ref. no. 40619	Page 103
<b>ELF-AIR1 XHP 1500/ePM10 50%/96 (M5)</b>	Ref. no. 40601	Page 103
<b>ELF-AIR1 XHP 1500/ePM1 55%/96 (F7)</b>	Ref. no. 40602	Page 103
<b>ELF-AIR1 XHP 1500/ePM1 80%/96 (F9)</b>	Ref. no. 40603	Page 103

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.