

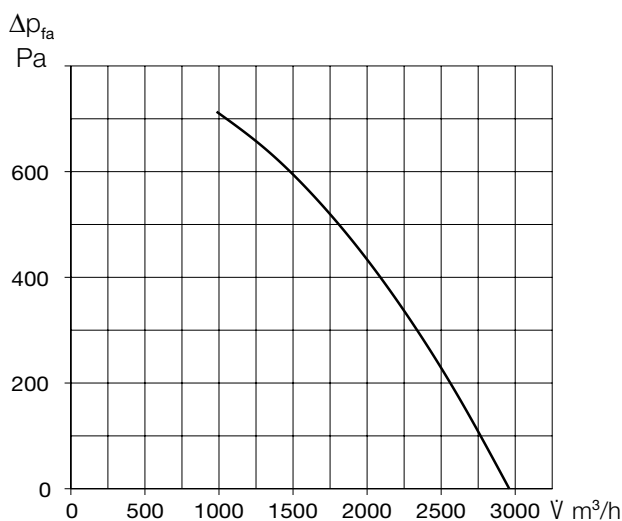
AIR1 XHP 2500



NEW



Performance curve AIR1 XHP 2500



Unit type

	AIR1 XHP 2500
Ref. no.	40611
Heat exchanger	Cross-counterflow

Technical data

Mechanical data

Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	700 m ³ /h
Max. air volume ERP	2,300 m ³ /h ⁽¹⁾
Max. air volume (free blowing)	2,900 m ³ /h
Weight, unit operational	389 kg
Delivery unit	1-part
Unit segments	1
Housing class (DIN 1886)	T2 / TB2 / D2
Filter Outside air	ISO ePM ₁ , 55% (F7) ⁽²⁾
Filter Extract air	ISO ePM ₁₀ 50% (M5) ⁽²⁾
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
Max. output Fans	2 x 780 W
Max. output elec. pre-/post-heater	9,000 / 9,000 W ⁽³⁾
Nominal current	
- Ventilation unit	0.8 / 3.4 / 3.4 A
- Electrical pre-heater	13 / 13 / 13 A
- Electrical auxiliary heater	13 / 13 / 13 A
- max. total	26.8 / 29.4 / 29.4 A
Connection (wiring diagram no.)	1514

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

(2) = other filter classes see optional accessories

(3) = Optional accessories

Sound data

Sound power level L_{WA} dB(A) at 250 Pa external pressure

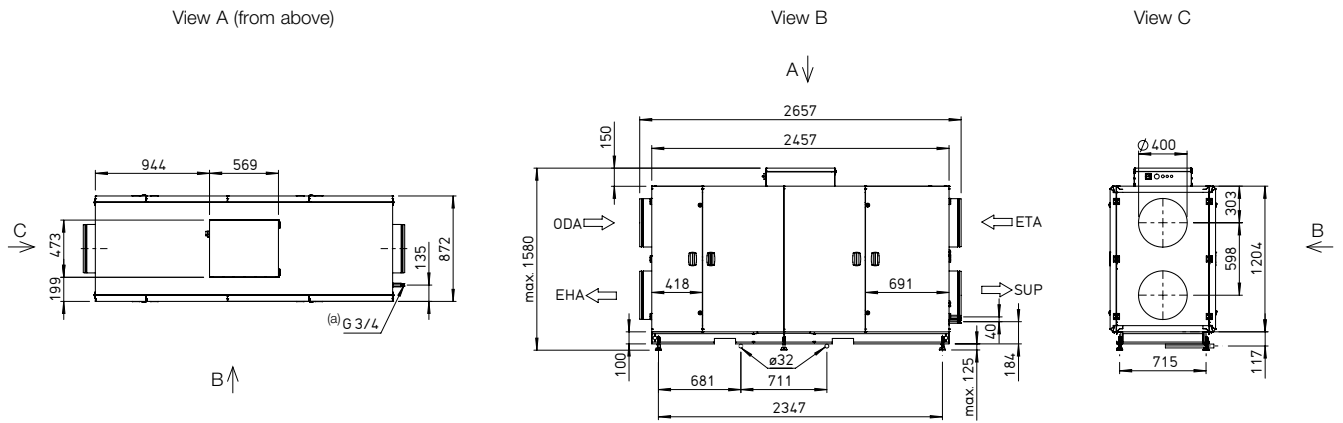
	750 m ³ /h	1,700 m ³ /h	2,300 m ³ /h
Supply air (L _{WA})	69	73	76
Extract air (L _{WA})	61	55	57
Outside air (L _{WA})	61	55	57
Exhaust air (L _{WA})	71	75	78

Sound pressure level L_{pA} dB(A) of sound radiated from housing

	750 m ³ /h	1,700 m ³ /h	2,300 m ³ /h
Housing rad. 1 m	37	37	40
Housing rad. 3 m	27	28	31
Housing rad. 5 m	23	23	26

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 2500



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

AIR1-EVH XHP 2500 Electrical, internal	Ref. no. 40584	Page 84
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Auxiliary heater

AIR1-ENH XHP 2500 Electrical, internal	Ref. no. 40585	Page 84
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AIR1-NH WW XHP 2500 Hot water, internal	Ref. no. 40586	Page 84
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Hydraulic unit for hot water heater register

WHSB HE 24 V (0 – 10 V)	Ref. no. 08318	Page 84
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Cooling register

AIR1-KR KW XHP 2500 L ⁽¹⁾ Cold water, external	Ref. no. 40587	Page 86
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AIR1-KR KW XHP 2500 R ⁽¹⁾ Cold water, external	Ref. no. 40588	Page 86
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AIR1-CO DX XHP 2500 L ⁽¹⁾ Change-over, external	Ref. no. 40589	Page 88
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AIR1-CO DX XHP 2500 R ⁽¹⁾ Change-over, external	Ref. no. 40590	Page 88
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■ Air routing

Motorised duct shutter

RVMD 400/24V	Ref. no. 40249	Page 90
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Recirculation kit

AIR1-ULK XHP 2500	Ref. no. 40594	Page 91
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■ Condensate drainage

Ball siphon

AIR1-KS 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

AIR1-AAD XHP 2500 Weather protection cover for the unit	Ref. no. 40591	Page 93
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AIR1-AAD KR KW + DX XHP 2500 Weather protection cover for cooling register cold water or direct evaporator	Ref. no. 40592	Page 94
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Terminal box heater

AIR1-AAHK	Ref. no. 07064	Page 95
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■ Controls

Controllers

AIR1-BE ECO	Ref. no. 06186	Page 97
AIR1-BE TOUCH 2	Ref. no. 40751	Page 97

Controller connection cable

AIR1-SL 4/10 10 m	Ref. no. 07073	Page 97
AIR1-SL 4/20 20 m	Ref. no. 07121	Page 97

Sensoren

AIR1/KWL-VOC 0-10V Mixed gas sensor	Ref. no. 20250	Page 97
AIR1/KWL-CO2 0-10V Carbon dioxide sensor	Ref. no. 20251	Page 97
AIR1/KWL-FTF 0-10V Humidity-temperature sensor	Ref. no. 20252	Page 97
AIR1-CO2 K Carbon dioxide sensor duct	Ref. no. 07124	Page 98

Signal converter for sensors

AIR1-SK	Ref. no. 06019	Page 98
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Extension kit for constant pressure control

AIR1-CAP	Ref. no. 06756	Page 98
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■ Air filters

Spare air filter and other filter classes

ELF-AIR1 XHP 2500/ePM10 50%/48 (M5)	Ref. no. 40620	Page 99
ELF-AIR1 XHP 2500/ePM10 50%/96 (M5)	Ref. no. 40605	Page 99
ELF-AIR1 XHP 2500/ePM1 55%/96 (F7)	Ref. no. 40606	Page 99
ELF-AIR1 XHP 2500/ePM1 80%/96 (F9)	Ref. no. 40607	Page 99

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.