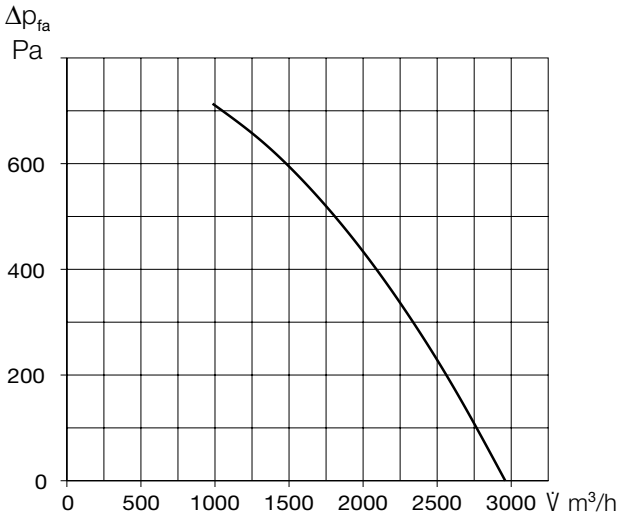
AIR1 XHP 2500



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 m³/h
Max. air volume ERP	2,300 m³/h (1)
Max. air volume (free blowing)	2,900 m³/h
Weight, unit operational	389 kg
Delivery unit	1-part
Unit segments	1
Housing class (DIN 1886)	T2 / TB2 / D2
Filter Outside air	ISO ePM₁ 55% (F7) (2)
Filter Extract air	ISO ePM₁₀ 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

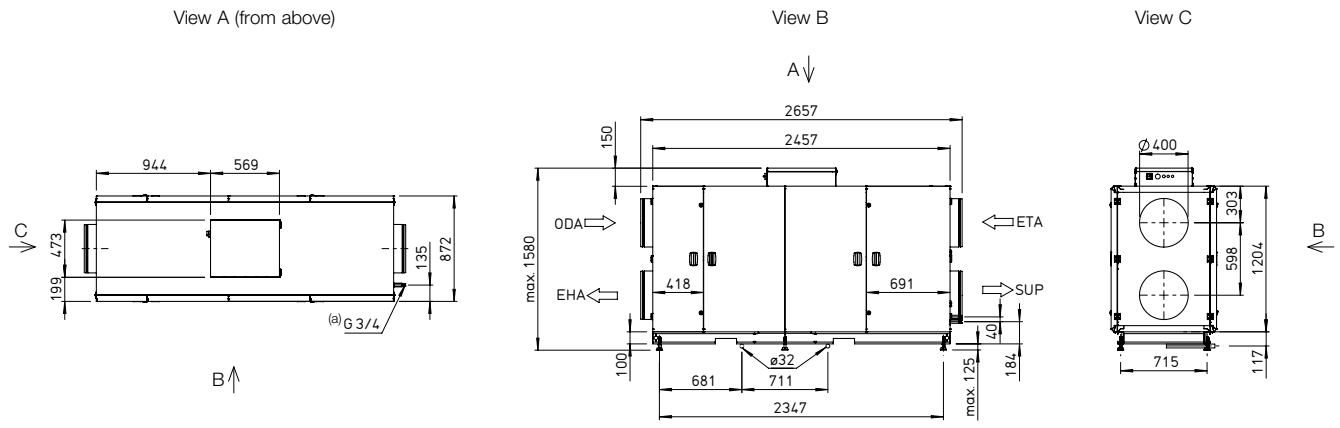
	750 m³/h	1,700 m³/h	2,300 m³/h
Supply air (L_{WA})	69	73	76
Extract air (L_{WA})	61	55	57
Outside air (L_{WA})	61	55	57
Exhaust air (L_{WA})	71	75	78

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

	750 m³/h	1,700 m³/h	2,300 m³/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
Auxiliary heater		
AIR1-ENH XHP 2500 Electrical, internal	Ref. no. 40585	Page 84
AIR1-NH WW XHP 2500 Hot water, internal	Ref. no. 40586	Page 84
Hydraulic unit for hot water heater register		
WHSH HE 24 V (0 – 10 V)	Ref. no. 08318	Page 84
Cooling register		
AIR1-KR KW XHP 2500 L (1) Cold water, external	Ref. no. 40587	Page 86
AIR1-KR KW XHP 2500 R (1) Cold water, external	Ref. no. 40588	Page 86
AIR1-CO DX XHP 2500 L (1) Change-over, external	Ref. no. 40589	Page 88
AIR1-CO DX XHP 2500 R (1) Change-over, external	Ref. no. 40590	Page 88

Air routing		
Motorised duct shutter		
RVMD 400/24V	Ref. no. 40249	Page 90
Recirculation kit		
AIR1-ULK XHP 2500	Ref. no. 40594	Page 91

Condensate drainage		
Ball siphon		
AIR1-KS B for use with floor-mounted units and cooling register	Ref. no. 07169	Page 92

(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.

External installation		
Cover for external installation		
AIR1-AAD XHP 2500 Weather protection cover for the unit	Ref. no. 40591	Page 93
AIR1-AAD KR KW + DX XHP 2500 Weather protection cover for cooling register cold water or direct evaporator	Ref. no. 40592	Page 94
Terminal box heater		
AIR1-AAHK	Ref. no. 07064	Page 95

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
Extension kit for constant pressure control		
AIR1-CAP	Ref. no. 06756	Page 98

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.