

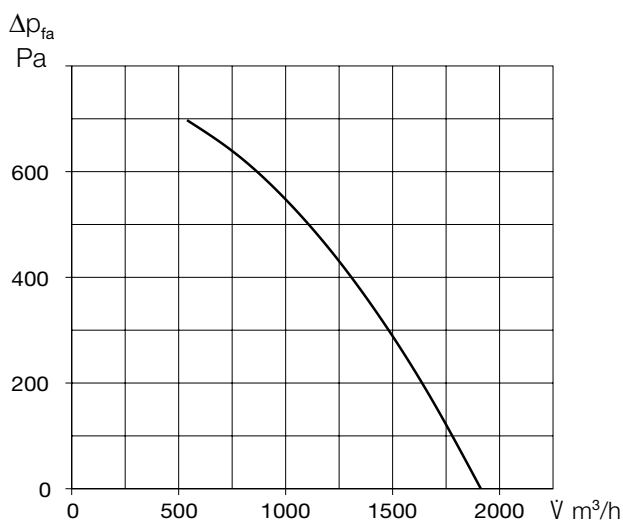
AIR1 XHP 1500



NEW



Performance curve AIR1 XHP 1500



Unit type

	AIR1 XHP 1500
Ref. no.	40610
Heat exchanger	Cross-counterflow

Technical data

Mechanical data	
Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	450 m ³ /h
Max. air volume ERP	1,375 m ³ /h ⁽¹⁾
Max. air volume (free blowing)	1,900 m ³ /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 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 500 W
Max. output elec. pre-/post-heater	3,600 / 5,420 W ⁽³⁾
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

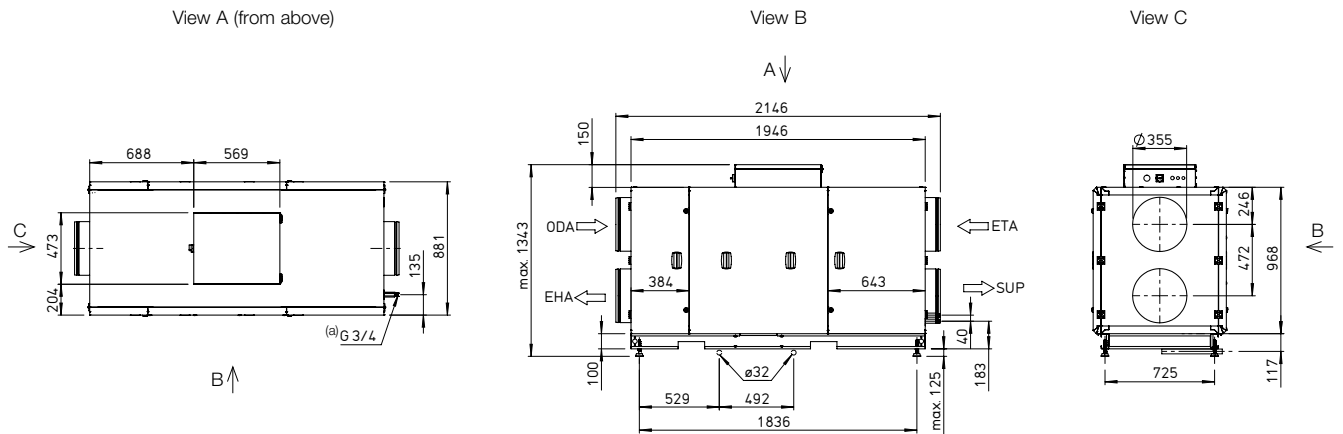
(3) = Optional accessories

Sound data

Sound power level L_{WA} dB(A) at 250 Pa external pressure			
	625 m ³ /h	900 m ³ /h	1,375 m ³ /h
Supply air (L _{WA})	70	71	74
Extract air (L _{WA})	58	56	57
Outside air (L _{WA})	58	55	56
Exhaust air (L _{WA})	72	73	76
Sound pressure level L_{pA} dB(A) of sound radiated from housing			
	625 m ³ /h	900 m ³ /h	1,375 m ³ /h
Housing rad. 1 m	37	38	38
Housing rad. 3 m	27	29	29
Housing rad. 5 m	23	24	24

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		
AIR1-EVH XHP 1500 Electrical, internal	Ref. no. 40571	Page 84
Auxiliary heater		
AIR1-ENH XHP 1500 Electrical, internal	Ref. no. 40573	Page 84
AIR1-NH WW XHP 1500 Hot water, internal	Ref. no. 40575	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 1500 L ⁽¹⁾ Cold water, external	Ref. no. 40576	Page 86
AIR1-KR KW XHP 1500 R ⁽¹⁾ Cold water, external	Ref. no. 40577	Page 86
AIR1-CO DX XHP 1500 L ⁽¹⁾ Change-over, external	Ref. no. 40578	Page 88
AIR1-CO DX XHP 1500 R ⁽¹⁾ Change-over, external	Ref. no. 40579	Page 88

■ Air routing

Motorised duct shutter		
RVMD 355/24V	Ref. no. 40248	Page 90
Recirculation kit		
AIR1-ULK XHP 1500	Ref. no. 40583	Page 91

■ Condensate drainage

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

■ External installation

Cover for external installation		
AIR1-AAD XHP 1500 Weather protection cover for the unit	Ref. no. 40580	Page 93
AIR1-AAD KR KW + DX XHP 1500 Weather protection cover for cooling register cold water or direct evaporator	Ref. no. 40581	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 1500/ePM10 50%/48 (M5)	Ref. no. 40619	Page 99
ELF-AIR1 XHP 1500/ePM10 50%/96 (M5)	Ref. no. 40601	Page 99
ELF-AIR1 XHP 1500/ePM1 55%/96 (F7)	Ref. no. 40602	Page 99
ELF-AIR1 XHP 1500/ePM1 80%/96 (F9)	Ref. no. 40603	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.