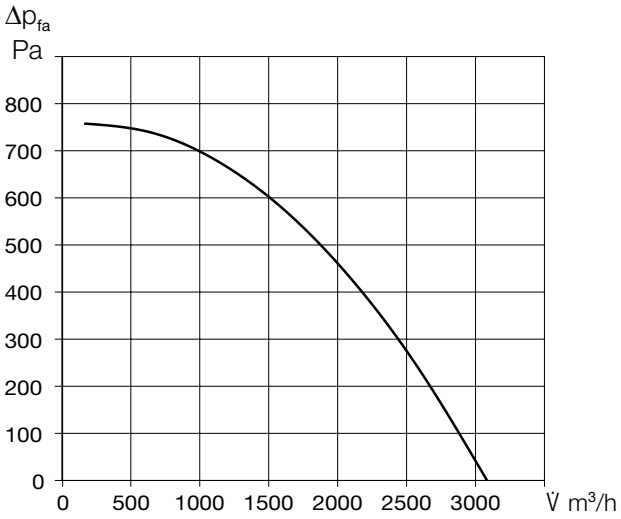
AIR1 XVP 2500



Performance curve AIR1 XVP 2500



Unit type	
	AIR1 XVP 2500
Ref. no.	40615
Heat exchanger	Cross-counterflow

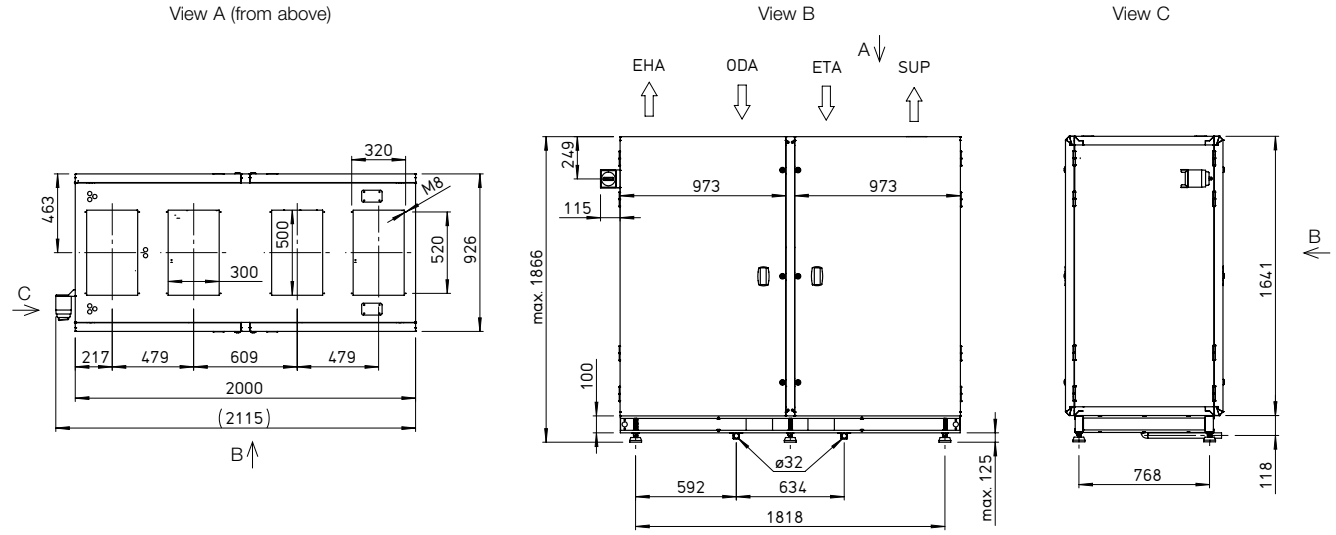
Technical data	
Mechanical data	
Area of application	Inside
Installation position	standing
Maintenance access	both sides
Min. air volume	700 m³/h
Max. air volume ERP	2,400 m³/h (1)
Max. air volume (free blowing)	3,000 m³/h
Weight, unit operational	427 kg
Housing class (DIN 1886)	T2 / TB2 / D2
Filter 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)	0 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	9,040 /9,040 W (3)
Nominal current	
– Ventilation unit	3.4 / 3.4 / 0.3 A
– Electrical pre-heater	13 / 13 / 13 A (3)
– Electrical auxiliary heater	13 / 13 / 13 A (3)
– max. total	29.4 / 29.4 / 26.3 A
Connection (wiring diagram no.)	1509

(1) = at 250 Pa external pressure loss ERP-compliant
(2) = Other filter classes see optional accessories
(3) = Optional accessory

Sound data			
Sound power level L_{WA} dB(A) at 250 Pa external pressure			
	880 m³/h	1,700 m³/h	2,400 m³/h
Supply air (L_{WA})	71	73	76
Extract air (L_{WA})	63	55	57
Outside air (L_{WA})	62	55	57
Exhaust air (L_{WA})	73	75	78
Sound pressure level L_{PA} dB(A) of sound radiated from housing			
	880 m³/h	1,700 m³/h	2,400 m³/h
Housing rad. 1 m	39	37	40
Housing rad. 3 m	29	28	31
Housing rad. 5 m	25	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 XVP 2500



Dimensions in mm

ODA: Outside air EHA: Exhaust air ETA: Extract air SUP: Supply air

Accessories

Heating and cooling registers		
Pre-heater		
AIR1-EVH XVP 2500 Electrical, internal	Ref. no. 40496	Page 54
Auxiliary heater		
AIR1-ENH XVP 2500 Electrical, internal	Ref. no. 40497	Page 54
AIR1-NH WW XVP 2500 Hot water, internal	Ref. no. 40498	Page 55
Hydraulic unit for hot water heater register		
WHSH HE 24 V (0 – 10 V)	Ref. no. 08318	Page 55
Cooling register		
AIR1-KR KW XVP 2500 L (1) Cold water, external	Ref. no. 40499	Page 56
AIR1-KR KW XVP 2500 R (1) Cold water, external	Ref. no. 40500	Page 56
AIR1-CO DX XVP 2500 L (1) Change-over, external	Ref. no. 40505	Page 57
AIR1-CO DX XVP 2500 R (1) Change-over, external	Ref. no. 40506	Page 57
Cooling register accessories		
AIR1-KS D for use with ceiling mounted units and cooling register	Ref. no. 07170	Page 59

Air routing		
Multi-leaf damper		
AIR1-JVK XC 2200/XVP 2500	Ref. no. 06000	Page 58
Flexible connector		
AIR1-VS 50/30	Ref. no. 07407	Page 59
Square-round adapter		
AIR1-ÜS XC 2200/XVP2500	Ref. no. 04364	Page 59

Condensate drainage		
Ball siphon		
AIR1-KS B for use with floor-mounted units and cooling register	Ref. no. 07169	Page 59

Controls		
Controllers		
AIR1-BE ECO	Ref. no. 06186	Page 60
AIR1-BE TOUCH 2	Ref. no. 40751	Page 60
Controller connection cable		
AIR1-SL 4/10 10 m	Ref. no. 07073	Page 60
AIR1-SL 4/20 20 m	Ref. no. 07121	Page 60
Sensors		
AIR1/KWL-VOC 0-10V Mixed gas sensor	Ref. no. 20250	Page 60
AIR1/KWL-CO2 0-10V Carbon dioxide sensor	Ref. no. 20251	Page 60
AIR1/KWL-FTF 0-10V Humidity-temperature sensor	Ref. no. 20252	Page 60
AIR1-CO2 K Carbon dioxide sensor duct	Ref. no. 07124	Page 60
Signal converter for sensors		
AIR1-SK	Ref. no. 06019	Page 61
Extension kit for constant pressure control		
AIR1-CAP	Ref. no. 06756	Page 60

Air filters		
Spare air filter and other filter classes		
ELF-AIR1 XVP 2500 ePM10 50%/48 (M5)	Ref. no. 40527	Page 61
ELF-AIR1 XVP 2500 ePM10 50%/96 (M5)	Ref. no. 40526	Page 61
ELF-AIR1 XVP 2500 ePM1 55%/96 (F7)	Ref. no. 40528	Page 61
ELF-AIR1 XVP 2500 ePM1 80%/96 (F9)	Ref. no. 40529	Page 61
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.