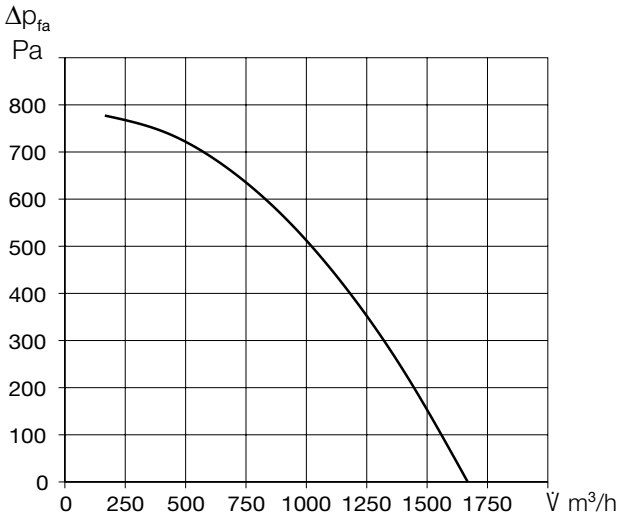
AIR1 XVP 1250



Performance curve AIR1 XVP 1250



Unit type	
	AIR1 XVP 1250
Ref. no.	40613
Heat exchanger	Cross-counterflow

Technical data		
Mechanical data		
Area of application	Inside	
Installation position	standing	
Maintenance access	both sides	
Min. air volume	400 m³/h	
Max. air volume ERP	1,200 m³/h (1)	
Max. air volume (free blowing)	1,700 m³/h	
Weight, unit operational	275 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	230 V 1N ~, 50 Hz (4)
Max. output Fans	2 x 500 W	2 x 500 W
Max. output Elec. pre-/post-heater	3,600 / 4,520 W (3)	2,605 / – W (3)
Nominal current		
– Ventilation unit	4.7 / 0 / 0 A	4,7 A
– Electrical pre-heater	5.2 / 5.2 / 5.2 A (3)	11.3 A (3)
– Electrical auxiliary heater	6.5 / 6.5 / 6.5 A (3)	nicht zulässig
– max. total	16.4 / 11.8 / 11.8 A	16 A
Connection (wiring diagram no.)	1507	1507

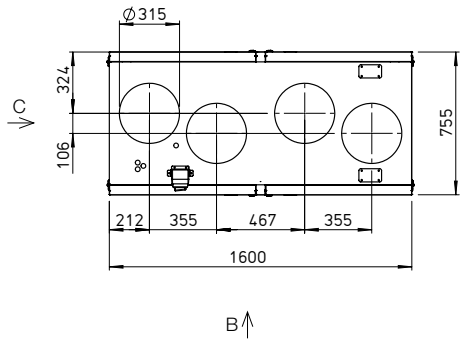
(1) = at 250 Pa external pressure loss ERP-compliant
(2) = Other filter classes see optional accessories
(3) = Optional accessory
(4) = Note: The 230 V supply of the unit is only permissible without electrical post-heating, but with preheater AIR1-EVH XVP 1250-2,6.

Sound data			
Sound power level L_{WA} dB(A) at 250 Pa external pressure			
	450 m³/h	800 m³/h	1,200 m³/h
Supply air (L_{WA})	72	74	76
Extract air (L_{WA})	63	59	59
Outside air (L_{WA})	63	59	60
Exhaust air (L_{WA})	71	73	75
Sound pressure level L_{PA} dB(A) of sound radiated from housing			
	450 m³/h	800 m³/h	1,200 m³/h
Housing rad. 1 m	42	42	45
Housing rad. 3 m	33	32	35
Housing rad. 5 m	28	28	31

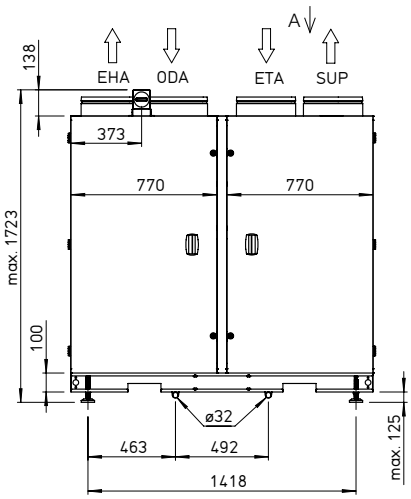
The sound power at the connectors is calculated for the simultaneous operation of both fans. The sound pressure level is determined for the simultaneous operation of both fans at distances of 1, 3 and 5 m.

Dimensions AIR1 XVP 1250

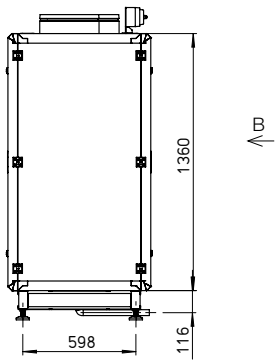
View A (from above)



View B



View C



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 1250-3,6 Electrical, internal	Ref. no. 40480	Page 54
AIR1-EVH XVP 1250-2,6 Electrical, internal	Ref. no. 40481	Page 54
Auxiliary heater		
AIR1-ENH XVP 1250 Electrical, internal	Ref. no. 40483	Page 54
AIR1-NH WW XVP 1250 Hot water, internal	Ref. no. 40484	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 1250 L (1) Cold water, external	Ref. no. 40485	Page 56
AIR1-KR KW XVP 1250 R (1) Cold water, external	Ref. no. 40486	Page 56
AIR1-CO DX XVP 1250 L (1) Change-over, external	Ref. no. 40487	Page 57
AIR1-CO DX XVP 1250 R (1) Change-over, external	Ref. no. 40488	Page 57
Cooling register accessories		
AIR1-KS D for use with ceiling mounted units and cooling register	Ref. no. 07170	Page 59

Air routing		
Motorised duct shutter		
RVMD 315/24V	Ref. no. 40247	Page 58

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 1250 ePM10 50%/48 (M5)	Ref. no. 40519	Page 61
ELF-AIR1 XVP 1250 ePM10 50%/96 (M5)	Ref. no. 40518	Page 61
ELF-AIR1 XVP 1250 ePM1 55%/96 (F7)	Ref. no. 40520	Page 61
ELF-AIR1 XVP 1250 ePM1 80%/96 (F9)	Ref. no. 40521	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.