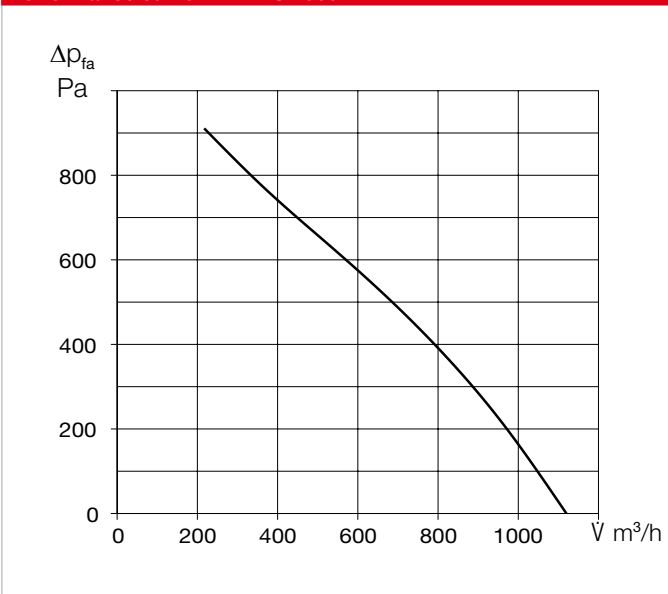


AIR1 XC 1000



Performance curve AIR1 XC 1000



Unit type

	AIR1 XC 1000 L	AIR1 XC 1000 R
Ref. no.	40736	40735
Heat exchanger	Cross-counterflow	Cross-counterflow

Technical data

Mechanical data	
Area of application	Inside
Installation position	Ceiling
Maintenance access	Side and underside
Min. air volume	320 m ³ /h
Max. air volume ERP	960 m ³ /h ⁽¹⁾
Max. air volume (free blowing)	1,100 m ³ /h
Weight, unit operational	178 kg
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 (operation)	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 200 W
Max. output Elec. pre-heater	3,600 W
Nominal current	
– Ventilation unit	7 / 7 / 5,5 A ⁽³⁾
– Electrical auxiliary heater	5.2 / 5.2 / 5.2 A ⁽⁴⁾
– max. total	12.2 / 12.2 / 10.7 A
Connection (wiring diagram no.)	1526

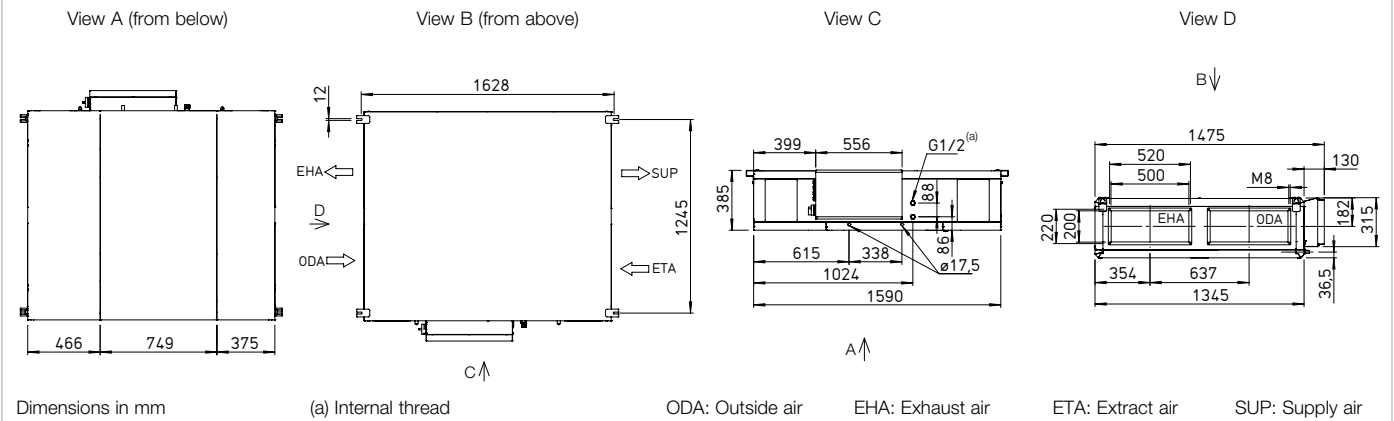
(1) = at 200 Pa external pressure loss ERP-compliant
 (2) = Other filter classes see optional accessories
 (3) = includes electrical pre-heater
 (4) = Optional accessory

Sound data

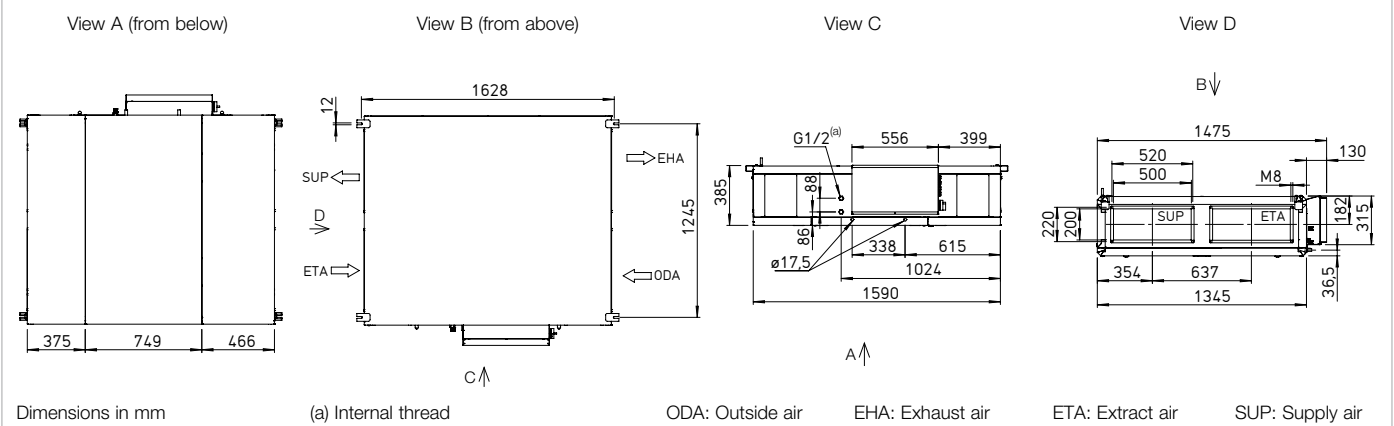
Sound power level L_{WA} dB(A) at 200 Pa external pressure			
	350 m ³ /h	650 m ³ /h	960 m ³ /h
Supply air (L _{WA})			
Extract air (L _{WA})			
Outside air (L _{WA})			
Exhaust air (L _{WA})			
Currently not available.			
Sound pressure level L_{pA} dB(A) of sound radiated from housing			
	350 m ³ /h	650 m ³ /h	960 m ³ /h
Housing rad. 1 m			
Housing rad. 3 m			
Housing rad. 5 m			
Currently not available.			

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 XC 1000 L



Dimensions AIR1 XC 1000 R



Accessories

Heating and cooling registers

Auxiliary heater

AIR1-ENH XC 1000 Electrical, internal	Ref. no. 40742	Page 32
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AIR1-NH WW XC 1000 L Hot water, internal	Ref. no. 40743	Page 32
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AIR1-NH WW XC 1000 R Hot water, internal	Ref. no. 40744	Page 32
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Hydraulic unit for hot water heating register

WHS HE 24 V (0 – 10 V)	Ref. no. 08318	Page 32
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Cooling register

AIR1-KR KW XC 1000 L Cold water, external	Ref. no. 40745	Page 33
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AIR1-KR KW XC 1000 R Cold water, external	Ref. no. 40746	Page 33
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AIR1-CO DX XC 1000 L Change-over, external	Ref. no. 40747	Page 34
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AIR1-CO DX XC 1000 R Change-over, external	Ref. no. 40748	Page 34
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AIR1-SM DX ⁽¹⁾ Control module	Ref. no. 40408	Page 35
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Air routing

Multi-leaf dampers

AIR1-JVK XC 1000	Ref. no. 40749	Page 35
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Flexible connector

AIR1-VS 50/20	Ref. no. 40740	Page 36
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Adapter square-round

AIR1-ÜS XC 1000	Ref. no. 40739	Page 36
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Condensate drainage

Condensate pump

AIR1-KP XC 500-1400	Ref. no. 06867	Page 37
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Ball siphon

AIR1-KS D for use with ceiling mounted units and cooling register	Ref. no. 07170	Page 37
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Controls

Controllers

AIR1-BE ECO	Ref. no. 06186	Page 37
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AIR1-BE TOUCH	Ref. no. 06187	Page 38
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Controller connection cable

AIR1-SL 4/10 10 m	Ref. no. 07073	Page 38
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AIR1-SL 4/20 20 m	Ref. no. 07121	Page 38
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Sensors

AIR1/KWL-VOC 0-10V Mixed gas sensor	Ref. no. 20250	Page 38
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AIR1/KWL-CO2 0-10V Carbon dioxide sensor	Ref. no. 20251	Page 38
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AIR1/KWL-FTF 0-10V Humidity-temperature sensor	Ref. no. 20252	Page 38
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AIR1-CO2 K Carbon dioxide sensor duct	Ref. no. 07124	Page 38
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Signal converter for sensors

AIR1-SK	Ref. no. 06019	Page 39
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Extension kit for constant pressure control

AIR1-CAP	Ref. no. 06756	Page 38
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Air filters

Spare air filter and other filter classes

ELF-AIR1 XC 1000/ePM10 50%/96 (M5)	Ref. no. 40737	Page 39
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ELF-AIR1 XC 1000/ePM1 55%/96 (F7)	Ref. no. 40738	Page 39
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ELF-AIR1 XC 1000/ePM1 80%/96 (F9)	Ref. no. 40750	Page 39
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The use of original spare air filters is mandatory to guarantee the specified technical data and air volumes.

(1) = Necessary accessory in connection with an AIR1-CO DX change-over register for connecting an AIR1 ventilation unit of the XC, XH and RH series to the control of an on-site cooling system.