

AIR1 XH 3500

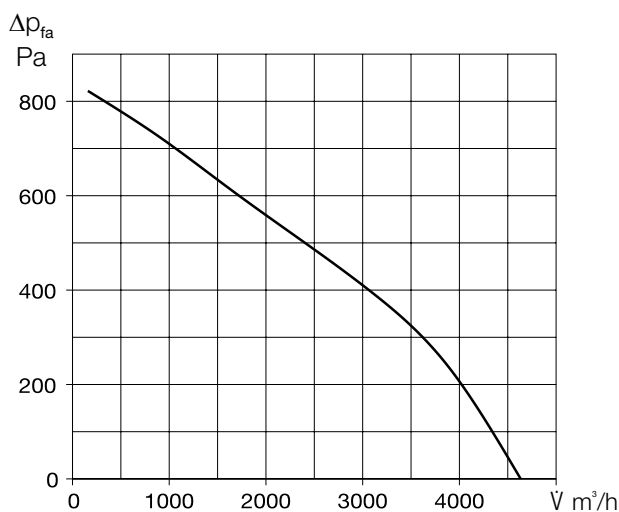


Separable casing design



Fig. shows accessories

Performance curve AIR1 XH 3500



Unit type

	AIR1 XH 3500
Ref. no.	04338
Heat exchanger	Cross-counterflow

Technical data

Mechanical data	
Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	825 m ³ /h
Max. air volume ERP	3,150 m ³ /h ⁽¹⁾
Max. air volume (free blowing)	4,650 m ³ /h
Weight, unit operational	687 kg
Delivery unit	3-part
Unit segments	3
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 1,500 W
Max. output elec. pre-heater	9,600 W
Nominal current	
– Ventilation unit	18.5 / 18.5 / 19.2 A ⁽³⁾
– Electrical auxiliary heater	13.9 / 13.9 / 13.9 A ⁽⁴⁾
– max. total	32.4 / 32.4 / 33.1 A
Connection (wiring diagram no.)	1329

(1) = at 250 Pa external pressure loss ERP-compliant

(2) = other filter classes see optional accessories

(3) = includes electrical pre-heater

(4) = Optional accessories

Sound data

Sound power level L_{WA} dB(A) at 250 Pa external pressure			
	1,000 m ³ /h	2,200 m ³ /h	3,150 m ³ /h
Supply air (L _{WA})	77	79	82
Extract air (L _{WA})	64	65	66
Outside air (L _{WA})	65	66	64
Exhaust air (L _{WA})	79	81	83
Sound pressure level L_{pA} dB(A) of sound radiated from housing			
	1,000 m ³ /h	2,200 m ³ /h	3,150 m ³ /h
Housing rad. 1 m	42	44	45
Housing rad. 3 m	33	34	35
Housing rad. 5 m	28	30	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.

