

**AIR1 XH 4500**

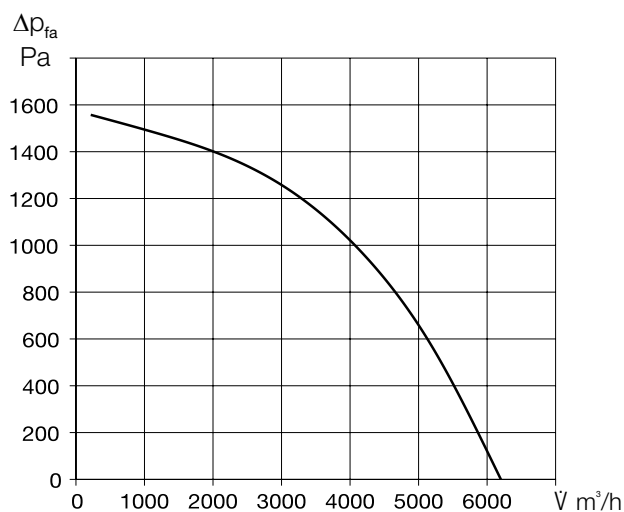


**Separable casing design**



Fig. shows accessories

**Performance curve AIR1 XH 4500**



**Unit type**

	<b>AIR1 XH 4500</b>
Ref. no.	04339
Heat exchanger	Cross-counterflow

**Technical data**

<b>Mechanical data</b>	
Area of application	Inside/outside
Installation position	standing
Maintenance access	Side, both sides
Min. air volume	665 m <sup>3</sup> /h
Max. air volume ERP	4,150 m <sup>3</sup> /h <sup>(1)</sup>
Max. air volume (free blowing)	6,100 m <sup>3</sup> /h
Weight, unit operational	750 kg
Delivery unit	3-part
Unit segments	3
Housing class (DIN 1886)	T2 / TB2 / D2
Filter Outside air	ISO ePM <sub>1</sub> , 55% (F7) <sup>(2)</sup>
Filter Extract air	ISO ePM <sub>10</sub> 50% (M5) <sup>(2)</sup>
Media temperature (air)	-20 to +50 °C
Ambient temperature (operation)	-20 to +50 °C
Protection class	IP31
<b>Electrical data</b>	
Central building control system	BACnet, Modbus TCP/IP
Voltage / Frequency	400 V 3N -, 50 Hz
Max. output Fans	2 x 2,500 W
Max. output elec. pre-heater	12,900 W
Nominal current	
– Ventilation unit	26.3 / 26.3 / 27 A <sup>(3)</sup>
– Electrical auxiliary heater	18.6 / 18.6 / 18.6 A <sup>(4)</sup>
– max. total	44.9 / 44.9 / 45.6 A
Connection (wiring diagram no.)	1330

(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**

<b>Sound power level L<sub>WA</sub> dB(A) at 250 Pa external pressure</b>			
	1,300 m <sup>3</sup> /h	2,900 m <sup>3</sup> /h	4,150 m <sup>3</sup> /h
Supply air (L <sub>WA</sub> )	72	76	83
Extract air (L <sub>WA</sub> )	58	60	67
Outside air (L <sub>WA</sub> )	62	58	63
Exhaust air (L <sub>WA</sub> )	70	75	81
<b>Sound pressure level L<sub>pA</sub> dB(A) of sound radiated from housing</b>			
	1,300 m <sup>3</sup> /h	2,900 m <sup>3</sup> /h	4,150 m <sup>3</sup> /h
Housing rad. 1 m	41	43	49
Housing rad. 3 m	32	33	39
Housing rad. 5 m	27	29	35

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.

