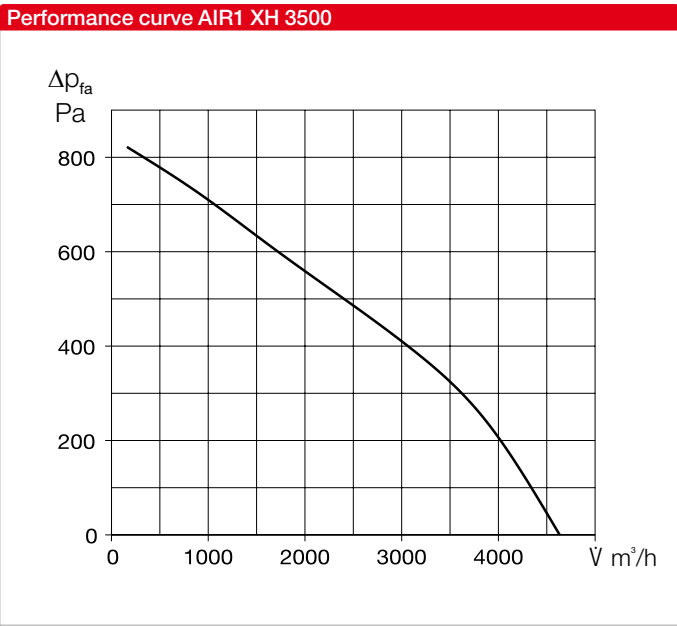




Unit type table with columns for Ref. no. and Heat exchanger, showing details for AIR1 XH 3500.

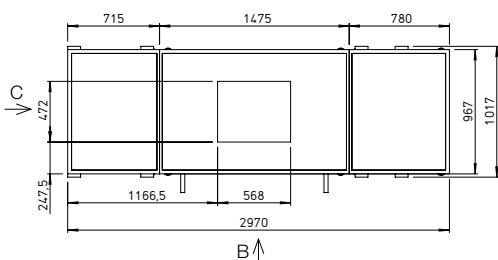
Technical data table containing mechanical and electrical specifications for the Helios AIR1 XH 3500 unit.

(1) = at 250 Pa external pressure loss ERP-compliant
(2) = other filter classes see optional accessories
(3) = includes electrical pre-heater
(4) = Optional accessories

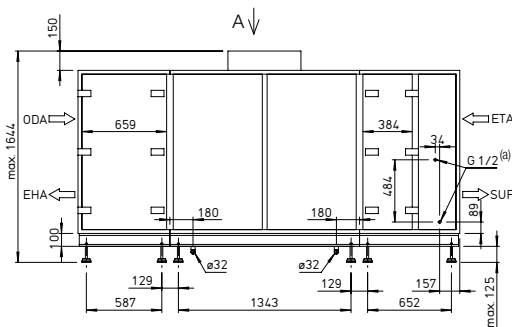
Sound data table containing sound power level and sound pressure level data at 250 Pa external pressure.

Dimensions AIR1 XH 3500

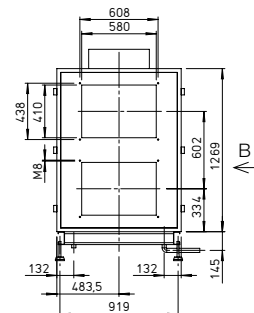
View A (from above)



View B



View C



Dimensions in mm

(a) External thread

ODA: Outside air

EHA: Exhaust air

ETA: Extract air

SUP: Supply air

■ Accessories

■ Heating and cooling registers

Auxiliary heater		
AIR1-ENH XH 3500 Electrical, internal	Ref. no. 03592	Page 94
AIR1-NH WW XH 3500 Hot water, internal	Ref. no. 03683	Page 96
Hydraulic unit for hot water heater register		
WHSH HE 24 V (0 – 10 V)	Ref. no. 08318	Page 96
Cooling register		
AIR1-KR KW XH 3500 L ⁽¹⁾ Cold water, external	Ref. no. 03910	Page 100
AIR1-KR KW XH 3500 R ⁽¹⁾ Cold water, external	Ref. no. 04268	Page 100
AIR1-CO DX XH 3500 L ⁽¹⁾ Change-over, external	Ref. no. 04408	Page 106
AIR1-CO DX XH 3500 R ⁽¹⁾ Change-over, external	Ref. no. 04878	Page 106
AIR1-SM DX ⁽²⁾ Control module	Ref. no. 40408	Page 110

- **Air routing**

Multi-leaf damper		
AIR1-JVK XH 3500-4500/RH 3000	Ref. no. 06009	Page 111
Recirculation kit		
AIR1-ULK XH 3500	Ref. no. 06025	Page 110
Flexible connector		
AIR1-VS 58/41	Ref. no. 04374	Page 113
Potential equalisation cable		
PAK M8	Ref. no. 40812	Page 113
Adapter square-round		
AIR1-ÜS XH 3500-4500/RH 3000 (DN 500)	Ref. no. 04369	Page 112

■ **Condensate drainage**

Ball siphon AIR1-KS B for use with floor-mounted units and cooling register			Ref. no. 07169	Page 114
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■ External installation

Cover for external installation		
AIR1-AAD XH 3500	Ref. no. 06316	Page 116
Weather protection cover for the unit		
AIR1-AAD KR KW + DX XH 3500	Ref. no. 06462	Page 118
Weather protection cover for cooling register cold water or direct evaporator		
Terminal box heater		
AIR1-AAHK	Ref. no. 07064	Page 114
Hoods		
AIR1-AAHA XH 3500-4500/RH 3000	Ref. no. 06487	Page 115
Intake hood outside air		
AIR1-AAHF XH 3500-4500/RH 3000	Ref. no. 06647	Page 115
Discharge hood exhaust air		

■ Controls

Controllers

AIR1-BE ECO	Ref. no. 06186	Page 119
AIR1-BE TOUCH	Ref. no. 06187	Page 119

Controller connection cable

AIR1-SL 4/10 10 m	Ref. no. 07073	Page 119
AIR1-SL 4/20 20 m	Ref. no. 07121	Page 119

Sensors

AIR1/KWL-VOC 0-10V Mixed gas sensor	Ref. no. 20250	Page 119
AIR1/KWL-CO2 0-10V Carbon dioxide sensor	Ref. no. 20251	Page 119
AIR1/KWL-FTF 0-10V Humidity-temperature sensor	Ref. no. 20252	Page 119
AIR1-CO2 K Carbon dioxide sensor duct	Ref. no. 07124	Page 119

Signal converter for sensors

AIR1-SK	Ref. no. 06019	Page 120
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Extension kit for constant pressure control

AIR1-CAP	Ref. no. 06756	Page 120
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Duct smoke detector with VdS approval

RMK Ref. no. 04982 Page 120

Duct smoke detector with DIBt approval

KRM	Ref. no. 40825	Page 120
KRM-MK Mounting bracket for KRM	Ref. no. 40826	Page 120
KRM-G Protective housing	Ref. no. 40847	Page 120
KRM-MKG Mounting bracket for protective housing	Ref. no. 40848	Page 120

■ **Air filters**

Spare air filter and other filter classes

ELF-AIR1 XH 3500/ePM10 50%/48 (M5)	Ref. no. 02180	Page 122
ELF-AIR1 XH 3500/ePM10 50%/96 (M5)	Ref. no. 02206	Page 122
ELF-AIR1 XH 3500/ePM1 55%/96 (F7)	Ref. no. 02230	Page 122
ELF-AIR1 XH 3500/ePM1 80%/96 (F9)	Ref. no. 02291	Page 122

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.

(2) = 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.