



Domestic MVHR unit with high efficiency counterflow heat exchanger (up to 92%) and low consumption EC motors. The unit assures a continuous and balanced ventilation system, extracting moist stale air from the wet rooms and at the same time introducing a tempered and filtered fresh air to the habitable rooms. The optimized design allows compliance with the highest standards assuring a very low leakage level, high thermal insulation and a minimal sound level. The integrated humidity sensor allows an automatic function tracking the indoor humidity and proportionally adjusting the fans speed.

Inlet/extraction filter G4 (ISO coarse 65%, at 140 m³/h), F7 (ISO ePM1 70%, at 140 m³/h). Option, M5 (ISO ePM10 50%, at 140 m³/h). An integrated 100% bypass is activated either automatically or manually. The bypass is particularly useful when the indoors temperature is higher than outdoors and free cooling is preferable.

INSTALLATION FRIENDLY

A versatile product with advantages for installation. A range of accessories lets the end user tailor the functions of the system to their specific requirements.

Characteristics:

- High efficiency counterflow heat exchanger.
- Low consumption EC motors.
- Minimal sound level.
- Automatic/manual bypass.
- Install friendly.
- User friendly.
- Customisable.
- Ceiling or wall installation.

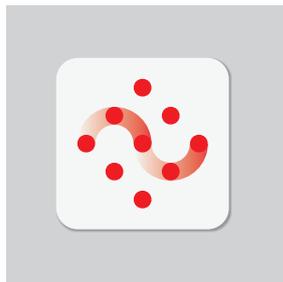
Optional accessories:

- Integrable pre heater.
- Integrable voc sensor.
- Communication module.
- Integrable constant airflow module (Servoflow).

Specific applications



Touch screen
 Remote (wired) touch screen display panel.
 Functions:
 - Easy control.
 - Speed settings.
 - Manual bypass.
 - Boost activation.
 - Automatic mode activation.
 - Dirty filter alarm.



Connectair
 Through the optional SPCM module, the unit can access Connectair, S&P's IoT that provides access to a new way to enjoy your ventilation.



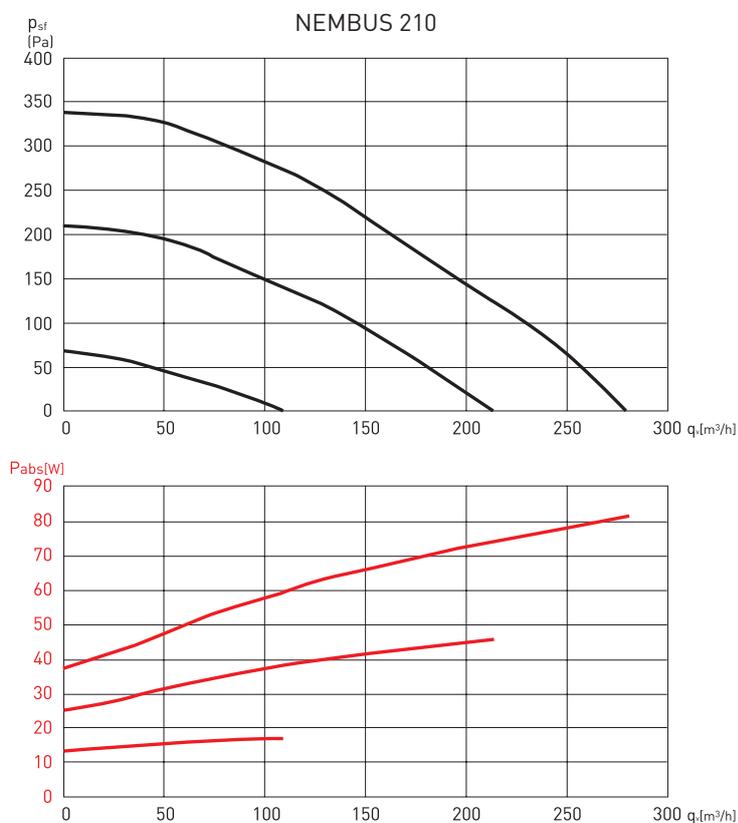
Installer friendly
 Simple access to all the components.

TECHNICAL CHARACTERISTICS

Model	Efficiency at 160 m ³ /h [%]	Supply	Maximum flow rate at 100 Pa (m ³ /h)	Sound pressure level, at 1.5m (160 m ³ /h - 100 Pa) [dB(A)]	Maximum absorbed power (W)
NEMBUS 210	84	230V 50/60Hz	230	36	75

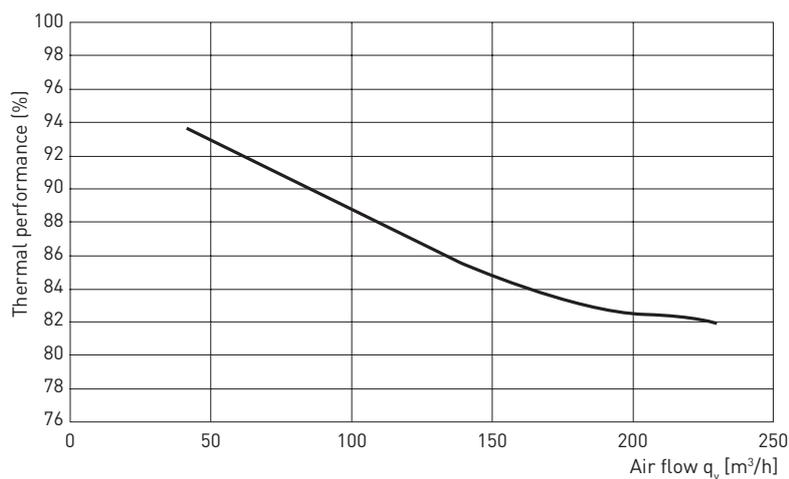
CHARACTERISTIC CURVES

- q_v = Flow rate (m³/h).
- p_{sf} = Static pressure in mmcda and Pa.
- P_{abs} = Absorbed power (W).

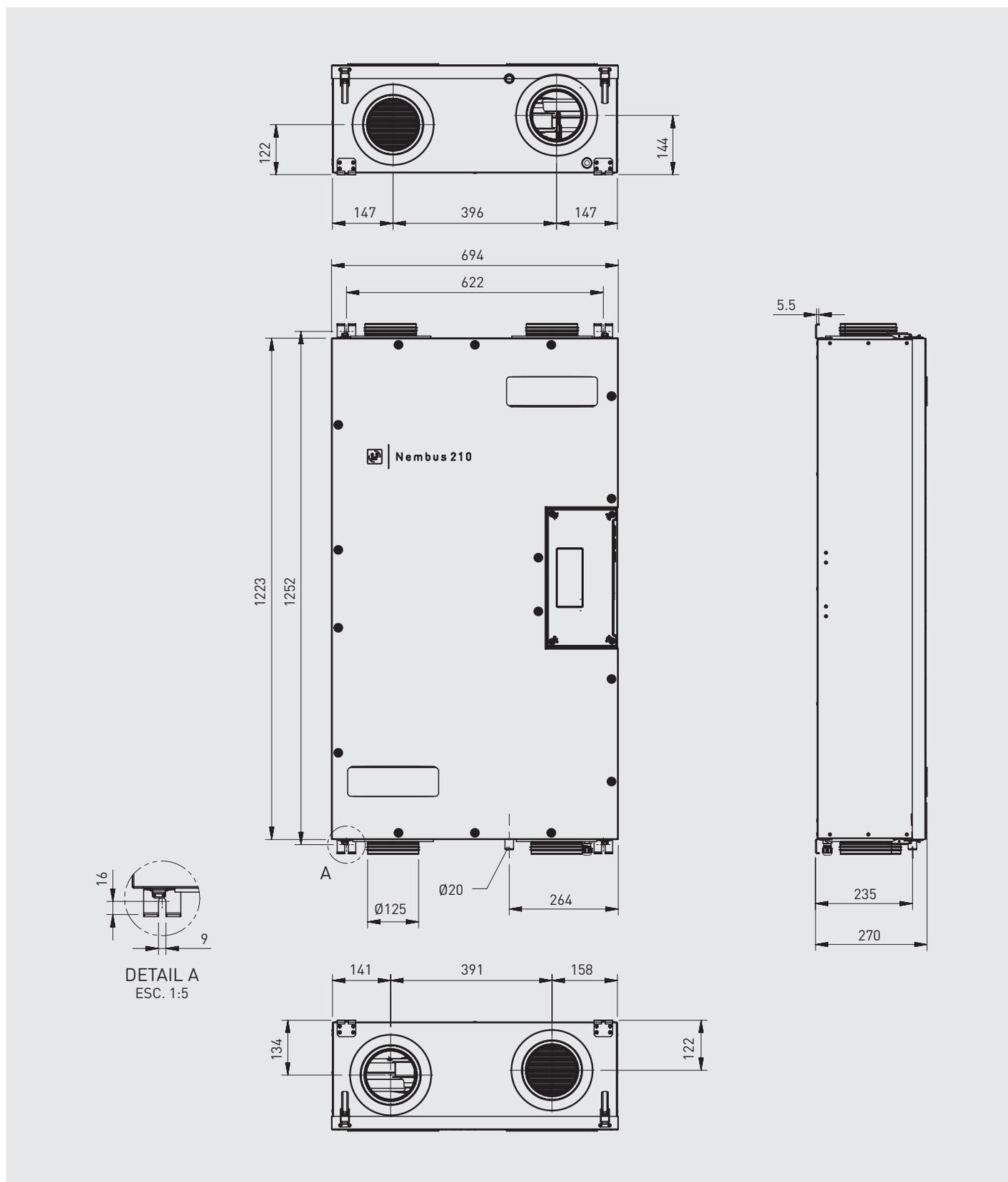


PERFORMANCE CURVE

Performance according to EN 13141-7:2011-01 [20°C ext. - 7°C int.].



DIMENSIONS (mm)



NEMBUS SPECIFIC ACCESSORIES



SPCM
 Communications module.



NEMBUS F
 Filter replacement sets G4/G4 and G4/F7.



NEMBUS-PH
 Preheating coils can be integrated into the equipment. Plug&Play.



NEMBUS-VOC
 VOC probe can be integrated into the unit. Plug&Play.



SABIK-NEMBUS-SF
 Constant flow module that can be integrated into the unit. Plug&Play.

ASSEMBLY ACCESSORIES



**BARJ
 BARP**
 Auto-adjustable suction inlets.



BDOP
 Supply and extraction inlets.



RDR
 Auto-adjustable flow regulators. To be installed inside the duct.



RD BP
 Auto-adjustable low-pressure flow regulators. (20-100 PA) To be installed inside the duct. 80mm diameter. Flow rate: 15 or 30 m³/h.



RD BP SM
 Auto-adjustable flow regulators. To be installed inside the cuff of the BDOP nozzles. 80mm diameter. Flow rate: 15 or 30 m³/h.



CT
 Roof covers.



ADRF 100/80
 Reducer to connect rigid different diameter ducts.



GPR-ISO
 Rigid insulated ducts.



**GP
 GPX
 GP-PRO
 GP-ISO**
 PVC ducts.



TUBREC
 Rectangular ducts in flame-retardant plastic.



LAF
 Flexible acoustic connection. Length: 0.5 and 1m models.



LA
 Acoustic connection.



FLEXIREC
 Semi-flexible oblong ducts.



PLENUM UNI EXT 6+1
 Isolated delivery plenum with outlet Ø 125/150-160 mm, 1 kitchen Ø 125 mm outlet and up to a maximum of 6 bathroom Ø 80 mm outlets.



PLENUM UNI IMP 8
 Isolated delivery plenum with suction Ø 125/150-160 mm, and up to a maximum of 8 outlets for dry areas (dining room, living room, bedrooms) Ø 80 mm.