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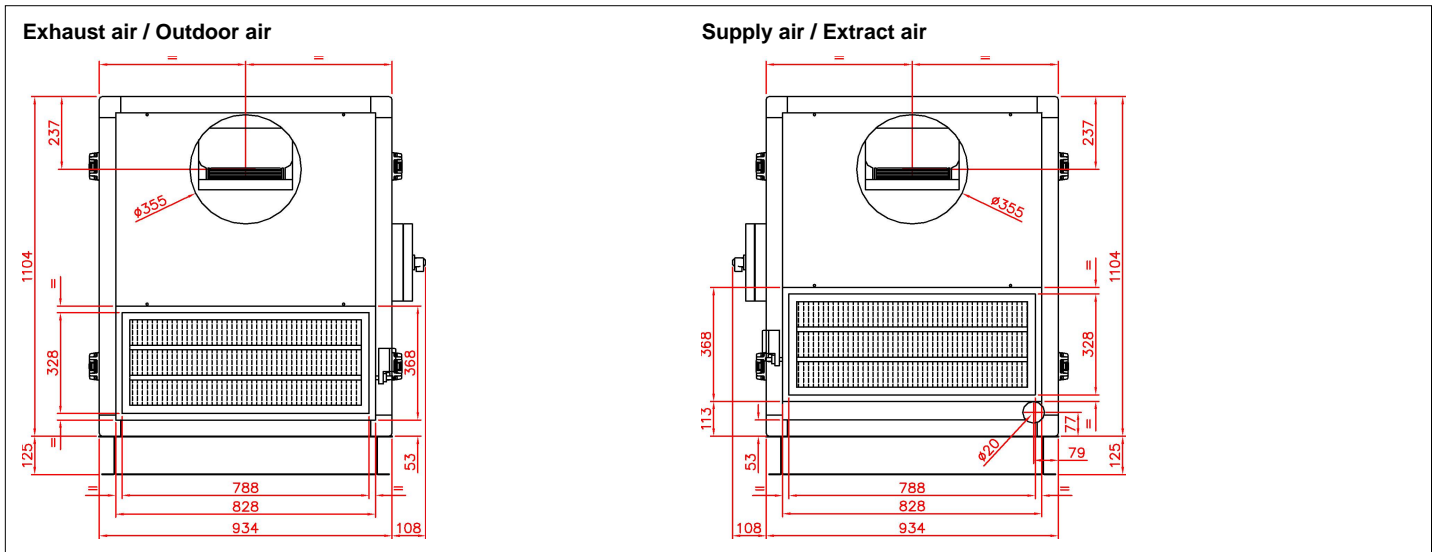
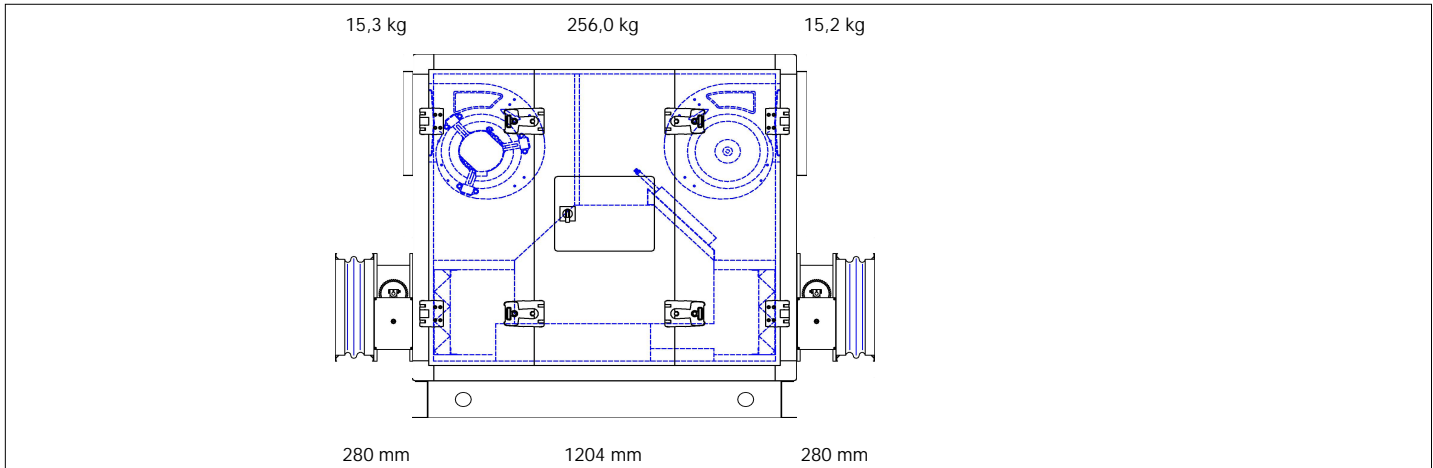
Model :	GLOBAL PX 1200 FW R
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The GLOBAL PX FW series is a range of mechanical home ventilation units (up to 6.000 m³/h or 1.666 l/s) with high efficiency (>90% acc. EN308) heat recovery, consisting of aluminium counterflow heat exchangers, a stainless steel drain pan, M5 and F7 class filters and of TAC technology centrifugal fans with high efficiency electronic motors. It will be delivered ready to use, entirely pre-cabled (the options as well) and with a remote control which will allow to control the unit without opening it. All that'll need to be done is to connect the power (outside the unit), to connect the remote control and to set the parameters and that's it ! The device will be delivered as standard with a modulating by-pass (100%), and its pre-cabled control. The new control is designed to receive and monitor the different options available according to your needs.

The structure of the unit is in extruded anodized aluminium profile, articulated around strengthened polypropylene modules. Panels are 50 mm double skin. The outside is made of polyester pre-painted steel, and the inside is made of galvanized steel. The heat and sound insulation is made of mineral wool. The GLOBAL PX FW series is mounted on base frame, and is made in one piece (mono block). The doors are equipped with handles and hinges. Airtightness of the group allows to classify the device in class 1 for the internal leaks and class 2 for the external leaks according to standard EN 13141-7.

EN1886 Classification :

Mechanical resistance class of the envelope: D1
 Thermal transmittance class U : T3
 Thermal bridge class Kb : TB3
 Airtightness of the envelope class (exhaust and supply airstreams) : L2
 Airtightness around the filters class (exhaust and supply airstreams) : F9



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Internal post-heating (Warm water) - NVr

A post-heating water coil is placed inside the unit and makes it possible to control either the supply air temperature in the room, or to manage a comfort temperature of the room by controlling the temperature at the inlet of exhaust air. This coil is delivered ready to be connected to the heating network, with a complete set of controls including a motorized 3 way valve. The 3-way valve has been selected so that 50% of the available pressure drop is above the valve (authority of 0,5). Just key in the desired temperature and the controls will modulate the coil capacity to reach this set value, according to the supply or exhaust temperature (depending on the option chosen). The outside panel of the AHU equipped with plug fans (Backwards) is factory drilled to facilitate the passage of hydraulic connections.

Coil name :	HRg 1200-1	Air inlet T° :	12,5 °C	Connection diam. :	1/2"
Number of rows :	1	Outlet air T° :	20,1 °C	Fluid type :	Water
Number of circuits :	1	Airflow :	1200 m ³ /h	Glycol %age :	0 %
Total capacity :	3,16 kW	Air speed :	2,04 m/s	Fluid T° in/out :	80,0 / 60,0 °C
		Air pressure drop :	13 Pa	Fluid flow :	139 l/h
				Fluid pressure drop :	1,30 kPa

Filter - G/F

The heat recovery ventilation unit is equipped with M5 class plane filters at the inlet of the polluted air and F7 class plane filters at inlet of the fresh air, to correctly protect the heat exchanger and guarantee optimum air quality inside the building. Filters are easily accessible through the access doors for maintenance purposes. F7 plane filters on both sides (supply & exhaust) are available as an additional option.

				<u>Supply</u>	<u>Exhaust</u>	
Filter class :	F7	Dimensions :	830 x 287 x 50 mm	Air speed :	1,40	m/s
		Quantity :	1	Filter pressure drop :	92	Pa
Filter class :	M5	Dimensions :	830 x 287 x 50 mm	Air speed :	1,40	m/s
		Quantity :	1	Filter pressure drop :	26	Pa

Damper(s) - CTm

The dampers are motorized and pre-wired, to cut the draft during the powering off of the device. It comes with a pre-wired servo motor and is controlled by the controller of the air handling unit. The frame is in galvanised steel, the blades in aluminum and the bearings and bushes are in nylon. The external gears, in plastic material, allow a transmission without looseness or deformation. The blades are fitted with a rubber sealing.

Air tightness circular dampers according EN 1751: Class 3

Air tightness rectangular dampers according EN 1751: Class 2

				<u>Supply</u>	<u>Exhaust</u>	
External dimensions :	365 x 825 mm	Air speed :	1,57	1,57		m/s
Internal dimensions :	285 x 745 mm	Damper pressure drop :	3	3		Pa

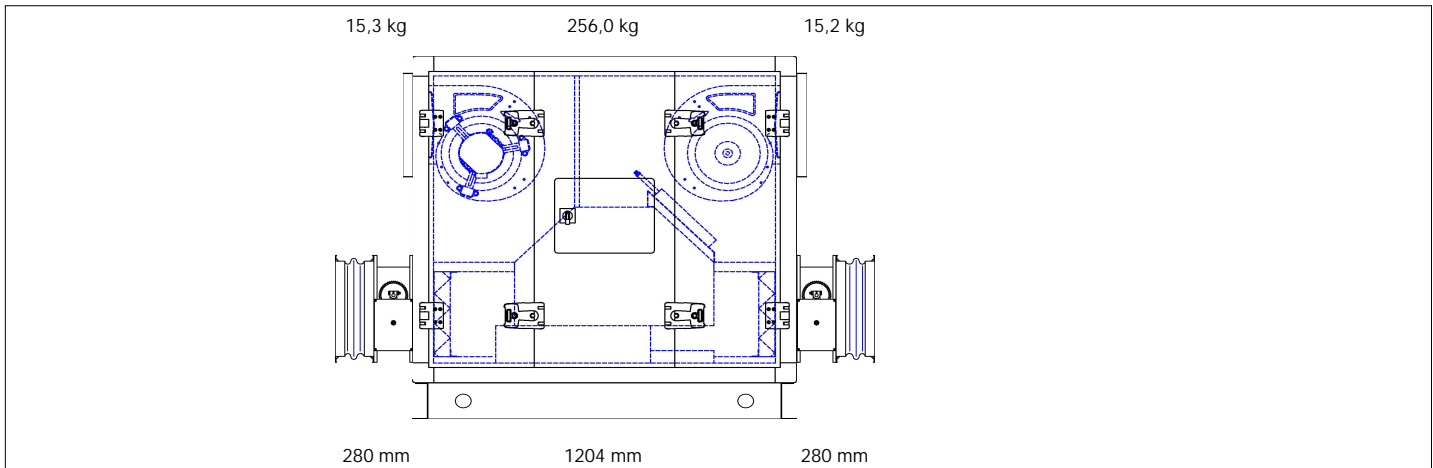
Circular outlet - SR ø 355 mm

Base frame - BA

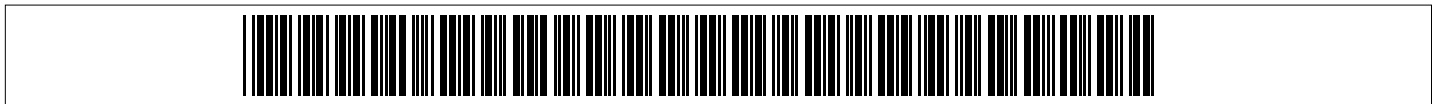
Flexible connection + Slip Clamp (air in) - MS

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Manufacturing info		
885308	882037	882037
882032	880562	880562
882640	882644	



Detail	
<u>IDCode</u>	<u>Description</u>
885308	GLOBAL PX 1200 FW R
882032	GLOBAL PX 1200 NV
882640	GLOBAL PX 1200 SR (in)
882037	GLOBAL PX 1200 CT
880562	GLOBAL PX 1200 MSA
882644	GLOBAL PX 1200 SR (out)
882037	GLOBAL PX 1200 CT
880562	GLOBAL PX 1200 MSA

Accessories (included)		
<u>IDCode</u>	<u>Quantity</u>	<u>Description</u>
372096	1	HMI TACtouch touchscreen user interface
370005	1	SAT3 Relay satellite (fan ON or CT+ AL dPA)

Options (not included)		
<u>IDCode</u>	<u>Quantity</u>	<u>Description</u>
510090	1	GF Filter kit GLOBAL PX 1200 (M5/F7)
372004	1	KIT SAT TAC5 BA/KW Regulation satellite for external coil (0-10V)
025006	1	SAT TAC5 MODBUS Communication satellite Modbus RTU
370015	1	SENS Wallmounting air quality sensor
370016	1	SENS Duct air quality sensor

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