



sandometal[®]
Metalomecânica e Ar Condicionado, SA

We handle you breath

Recirculation and Purification Air Unit

Structure

1. 40 mm thick anodised aluminium profile frame.
2. Rock wool panels (or polyurethane as an alternative) with exterior and interior Aluzinc sheet metal.
3. Monoblock construction.
4. Removable door for maintenance, cleaning and filter replacement.
5. Mobile unit with casters for easy transport and installation.
6. Pre-filter quick replacement pre-filter (no panel removal required).



Fan

1. Plug fan, integrated EC motor, providing high efficiency and optimum acoustic behaviour.
2. High resistance turbine made of composite material.
3. Electronic protection against overheating by active temperature management.
5. IP55 Protection, thermal class THCL155. Compliant with ErP 2015. Motor efficiency class higher than IE4.
6. Statically and dynamically balanced fan/motor according to ISO 1940 Part 1.
7. Speed regulation by potentiometer (flow regulation optional).



Filter

1. HEPA (High Efficiency Particulate Arrestance) filter H13 or H14 (optional).
2. MPPS (Most Penetrating Particle Size) of 99.995% or 99.90%.
3. HEPA filter panel with galvanized frame.
4. Glass microfiber paper as filtering material.
5. Polyurethane sealing.
6. Prefilter G4 or M5 (optional) at admission.
7. Pressure switch with light indication on HEPA filter.



Optional

1. Flow control and regulation equipment.
2. M5 filter at admission.
3. HEPA filter H14.



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TECHNICAL FEATURES		
STRUCTURE	15µm Anodised aluminium profile frame	
PANEL	Rock wool panels with exterior and interior Aluzinc sheet metal	
	HIGH	LOW
DIMENSIONS	a-520 mm; b-735 mm; c-1100 mm	a-440 mm; b-440 mm; c-1000 mm
AIRFLOW	(400-1000) m ³ /h	(200-600) m ³ /h
MOTOR	1(200-277) V	1(200-277) V
	50 / 60 Hz	50 / 60 Hz
	0.5 kW	0.17 kW
FAN	3080 rpm	2810 rpm
	50 Hz	50 Hz
SURROUNDING NOISE	49 dB(A) (700m ³ /h)	51 dB(A) (400m ³ /h)

Schematic:

