

Technical Data Sheet

CODE 16281

CA-RM 200 ES

In-line centrifugal fans in metal for radon gas extraction



Certifications

TECHNICAL AND PERFORMANCE DATA

Frequency (Hz)	50-60	Max airflow at 8V (l/s)	315
Insulation class	I°	Max airflow at 8V (m³/h)	1135
IP	IP47	Max pressure at 10V (Pa)	1030
Max absorbed current at 10V (A)	1,30	Max pressure at 4V (Pa)	186
Max absorbed current at 4V (A)	0,20	Max pressure at 6V (Pa)	422
Max absorbed current at 6V (A)	0,50	Max pressure at 10V (mmH2O)	105
Max absorbed current at 8V (A)	1	Max pressure at 4V (mmH2O)	19
Max absorbed power at 10V (W)	165	Max pressure at 6V (mmH2O)	43
Max absorbed power at 4V (W)	24	Max pressure at 8V (mmH2O)	73
Max absorbed power at 6V (W)	60	Max pressure at 8V (Pa)	716
Max absorbed power at 8V (W)	130	RPM at 10V	3380
Max ambient temperature for continuous operation (°C)	50	RPM at 4V	1660
Nominal diameter (mm)	200	RPM at 6V	2430
Voltage (V)	220-240	RPM at 8V	3150
Weight (Kg)	5,7	Sound power at extract side at 10V speed LWA [dB (A)]	76,6
Breakout sound power at 10V Lw [dB (A)]	65,2	Sound power at extract side at 4V speed LWA [dB (A)]	61,2
Breakout sound power at 4V Lw [dB (A)]	49	Sound power at extract side at 6V speed LWA [dB (A)]	67,7
Breakout sound power at 6V Lw [dB (A)]	58,3	Sound power at extract side at 8V speed LWA [dB (A)]	74
Breakout sound power at 8V Lw [dB (A)]	53,2	Sound power at supply side at 10V speed LWA [dB (A)]	73,9
Breakout sound pressure at 3m at 10V Lp [dB (A)]	44,6	Sound power at supply side at 4V speed LWA [dB (A)]	59,5
Breakout sound pressure at 3m at 4V Lp [dB (A)]	28,5	Sound power at supply side at 6V speed LWA [dB (A)]	66
Breakout sound pressure at 3m at 6V Lp [dB (A)]	37,8	Sound power at supply side at 8V speed LWA [dB (A)]	71,9
Breakout sound pressure at 3m at 8V Lp [dB (A)]	42,7	Sound pressure at extract side at 3m at 10V Lp [dB (A)]	59,1
Max airflow at 10V (l/s)	336	Sound pressure at extract side at 3m at 4V Lp [dB (A)]	43,6
Max airflow at 10V (m³/h)	1210	Sound pressure at extract side at 3m at 6V Lp [dB (A)]	50,2
Max airflow at 4V (l/s)	164	Sound pressure at extract side at 3m at 8V Lp [dB (A)]	56,5
Max airflow at 4V (m³/h)	590	Sound pressure at supply side at 3m at 10V Lp [dB (A)]	56,4
Max airflow at 6V (l/s)	246	Sound pressure at supply side at 3m at 4V Lp [dB (A)]	42
Max airflow at 6V (m³/h)	885	Sound pressure at supply side at 3m at 6V Lp [dB (A)]	48,5
		Sound pressure at supply side at 3m at 8V Lp [dB (A)]	54,4

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DESCRIPTION

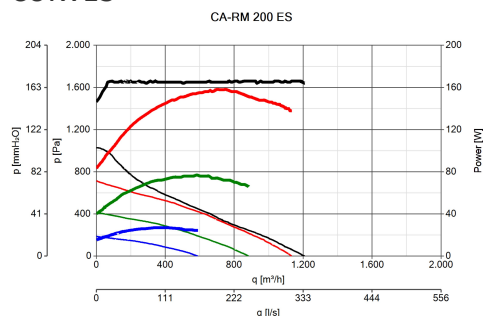
CA-RM 200 ES is a centrifugal extractor fan specifically designed for the mitigation of RADON gas. Product is designed for duct installation and boasts a very high (IPX7) degree of protection against water, which makes it particularly suitable for installation in underground manholes subject to flooding risks.

- Enclosures made of epoxy powder coated sheet steel, glued using water and light resistant epoxy resins, to guarantee perfect sealing over time.
- Motor support made of galvanized sheet steel integrating the flow rectifiers, with optimized geometry to maximize fan performance, reducing pressure drops and noise emissions caused by turbulence.
- Centrifugal fan consisting of a centrifugal impeller with backward blades, designed to ensure high pressure with low consumption for the continuous operation, 7/24, of the product. Electronically controlled motor (EC brushless), the same technology adopted by the most

modern electric cars, speed adjustable through 0-10 V signal and virtually maintenance-free.

- Remote control panel (available as optional) for wall installation, with wired connection, LCD display and access door with lock, to prevent inappropriate alterations on system settings. The device allows:
 - the independent setting of the performance provided by up to 2 fans,
 - the control of its correct power supply,
 - the monitoring of regular fans operation,
 - the control of the regular flow of extracted air (if the flow switch , available as optional, is installed),
 - to program, on an hourly basis and weekly scale, the fans operation,
 - to notify, by means of an acoustic signal and showing error codes on the display, of any system malfunctions. The device is also set up for connecting external alarm sirens.

CURVES



ACCESSORIES



VORT SICURBOX

Code 20204



KIT FSG 200

Code 20214



KIT FSG-FLS 200

Code 20219



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