

- Indoor
- Circular
- Galvanized steel
- EC
- 230 V
- France Air



Circular duct fans BCS type Canal'air C ECM

Centrifugal duct fan

In line fan for indoor installation in normal ventilation application, energy efficient fan to be used in constant/variable flow.

Brand

France Air

Catalogue page

Page 605

Application

- Clean air ventilation.
- Can be used for supply or extraction with or without coil (Systair Cirec).
- Installation at any point along the building's duct network.
- Indoor installation only.
- Temperature of fluid transported: maximum + 60°C.

Range

- 8 models.
- Circular connections. Ø 100 to 315 mm.
- Flow rates: from 0 to 2000 m³/h.

Composition

- Casing:
 - Galvanised steel.
 - Connection using circular collars.
- Fan:
 - Sizes: C 100 to C 250 (plastic vanes).
 - Size: C 315 (steel vanes).
 - Dynamic balancing.
 - Attached directly to the motor.
- Motorisation:
 - EC (electronically commutated) motor with high efficiency external rotor.
 - Single-phase 230 V - 50/60 Hz, IP44, class F.

- Actuation by 0 - 10 V or PWM signal.
- Variable speed control via a built-in potentiometer, an external 0 - 10V signal, or an Evolys® One, Evolys® Touch, or Evolys® Sens remote control.
- IP55 connection enclosure, located outside of the unit with built-in potentiometer for adjusting the flow rate from 0 to 100 %.

Advantages

- Energy efficient motor with ECM technology.
- Compact and easy to install.
- Flow rate adjusted by the potentiometer built in as standard.
- Compatible with all Evolys® control systems (remote control, constant flow, constant pressure, etc.).

Order example

- Canal'air C ECM 250
- Canal'air C ECM: type of fan
250: diameter

Selection curves



Technical data					
Model	Rotation speed (rpm)	Input Power (W)	Nominal current (A)	Flow rate (m3/h)	LwA* (dB(A))
100 C	3640	95	0,8	371	47
125 C	3600	99	0,83	569	46
160 B	3640	99	0,82	612	45
160 C	3170	126	1,03	904	49
200 B	3200	166	1,37	1130	48
250 B	3200	169	1,35	1195	46
315 C	2370	215	1,69	1897	48
315 D	2880	319	2,3	2106	49

LpA* at 3 m (dB(A)): Radiated sound pressure level at 3 m, measured on a level surface, at maximum speed.



Model	Dimensions					
	Ø d (mm)	b (mm)	c (mm)	Ø D (mm)	a (mm)	Weight (kg)
100 C	100	136	26	243	26	2,6
125 C	125	134	27	243	27	2,6
160 B	160	133	32	271	30	2,6
160 C	160	164	32	345	30	3,9
200 B	200	160	35	345	33	4
250 B	250	160	35	345	33	4,1
315 C	315	194	40	402	32	6,2
315 D	315	194	40	402	32	5,4

Assembly and connection

