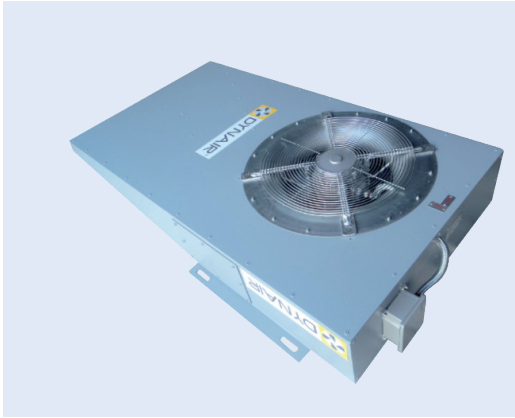


> CC-JC HT



Centrifugal induction fans for car park ventilation



Applus⁺



F300/120

F400/120

DESCRIPTION

Centrifugal induction fans designed and suitable for installation in underground car parks and/or tunnels, especially designed and certified for fire smoke and hot gases extraction in case of fire. CC-JC HT are "dual purpose" fans, i.e. they can provide both normal ventilation (carbon monoxide removal) and smoke extract in case of fire.

The series is suitable for continuous running at the temperature of +50°C and is CE certified to F300 class, in compliance with Standard EN12101-3 and guaranteed to operate at 300°C for 2 hours, 400°C for 2 hours by the independent notified body Applus.

The special impulse and induction fans technology represents the most innovative and cost-effective alternative to traditional duct mechanical extraction systems: the drastic reduction of installation costs (complete removal of ducted and grilled systems) and the considerable running cost savings ensured by the system distinctive features (ventilation / extraction can be partial and only if necessary) are only two of the multiple benefits of car park ventilation systems based on CC-JC/D fans.

CONSTRUCTION

- Hub impeller and airfoil profile blades made in steel sheet. Balanced according to ISO 1940.
- Housing in steel sheet protected against atmospheric agent HDG.
- Protection guard on inlet side.
- Fixing brackets in HDG steel sheet for ceiling/wall installation supplied pre-assembled.
- External terminal box resistant to high temperature.

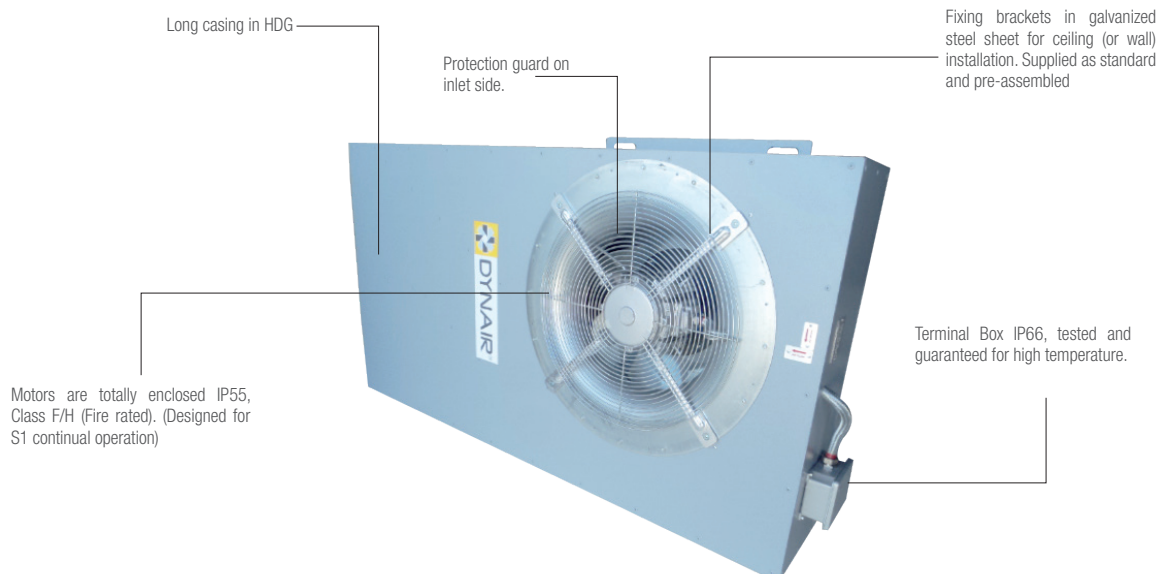
MOTOR

Asynchronous three-phase double polarity motor 415V - 50 Hz suitable to work up to a maximum temperature of 50°C (service S1) and 300°C for 120 minutes in case of fire emergency (service S2). CE marked, IP55 protection, Class H.


Execution 5: Impeller directly coupled on the motor shaft.

UPON REQUEST

- Service switch mounted, suitable for high temperature.
- Epoxy paint



TECHNICAL DATA FOR 50 Hz

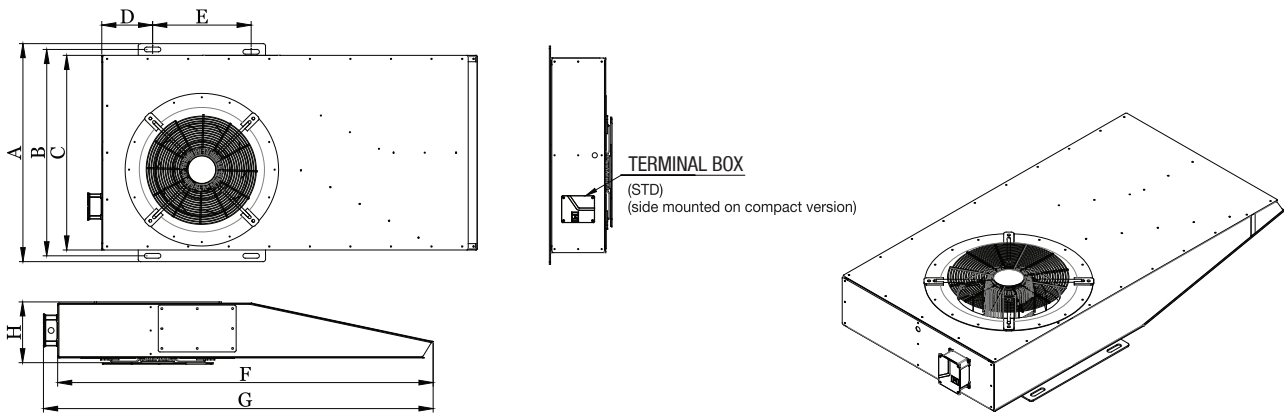
Type	Model	Speed (Rpm)	Motor power (Kw)	Rated Current (A)	Power Supply (V/Hz)	Temperature class °C
CC- JC-HT	250	1400/700	1.20/0.30	2.92/1.29	400 ± 5% 50Hz	 -20 /+50 C & F200, F300, F400/ 2HRS
CC- JC-HT	300	1400/700	2.20/0.55	4.84/2.00	400 ± 5% 50Hz	

PERFORMANCE DATA FOR STANDARD MODEL

Type	Model	Air flow (m³/s)	Air speed (m/s)	Thrust (N)	Lp (dB(A)@3m)
CC- JC-HT	250	1.50	26.90	55.30	70/53
CC- JC-HT	300	2.70	30.00	111.00	71/55

PERFORMANCE DATA FOR COMPACT MODEL

Type	Model	Air flow (m³/s)	Air speed (m/s)	Thrust (N)	Lp (dB(A)@3m)
CC- JC-HT	250	1.61/0.8	26/12.9	50	70/53
CC- JC-HT	300	2.16/1.07	28.9/16.4	75	71/55



FOR STANDARD MODEL

Model	MODEL	A	B	C	D	E	F	G	H	Kg
CC- JC- HT	250	930	880	830	215	418	1592	1652	267	125
CC- JC- HT	300	1124	1074	1000	231	548	1907	1967	320	175

FOR COMPACT MODEL

Model	MODEL	A	B	C	D	E	F	G	H	Kg
CC- JC- HT	250	930	880	830	215	465	1206	1206	262	110
CC- JC- HT	300	1124	1074	1000	231	575	1463	1463	345	140