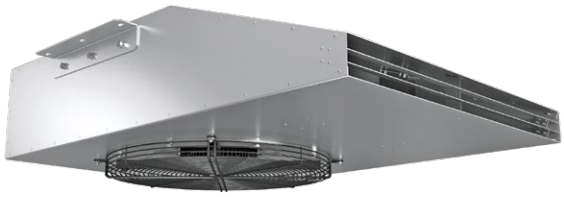
Centro-Jet-50N-EC-230V

Induction centrifugal fans

Impulse centrifugal fans **Centro-Jet** are designed for general purpose ventilation of underground and semiopened parkings, smoke extraction in case of fire as a part of smoke extract system. The fans generate a high-speed and high-pressure directed air jet.



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Design

- Centro-Jet casing is made of polymer coated steel.
- Due to low height of the casing the fan is recommended for use in low-ceilinged room.
- The protecting grille on the intake side prevents ingress of foreign objects into the fan.
- Deflector plates on the exhaust side of the fan ensure correct air flow distribution.

Motor

- The motor ingress protection rating is IP55.
- The motors are rated for 230 (208) V power mains voltage and 50/60 Hz frequency.

Impeller

- The impeller with backward curved steel blades.

Mounting

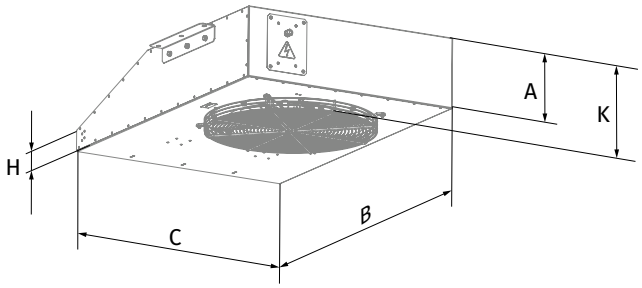
- Centro-Jet fans are designed for ceiling mounting and fixation by means of the supplied fixing brackets.
- Power is supplied through the internal terminal box.

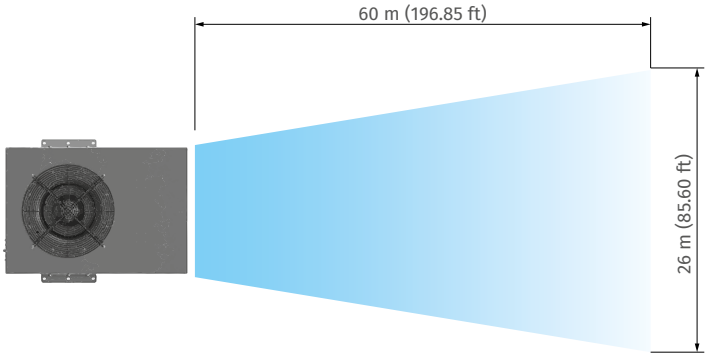
Technical Data

Calculations	
Airflow [cfm]	3650
Thrust [N]	50
Air speed [ft/s]	73
Nominal power at shaft [kW]	1.5
Fan impeller speed RPM [min⁻¹]	1500
Sound power [dBA]	64
Temperature [°F (°C)]	131 (55)
Phases [~]	3

Dimensions [in]

Model	A	B	C	H	K	Weight [lbs]
Centro-Jet-50N-EC-230V	10.43	53.34	36.81	3.54	12.8	202.82





Designation Key

Model		Fan pull [N]		Engine type		Phase		Voltage [V]
Centro-Jet: Impulse Centrifugal Fan	–	**22N** **30N** **50N**	–	**EC:** synchronous electronically commutated motor	–	**E:** single-phase **_:** three-phase	–	**230V:** 230 V **380V:** 380 V