



Brief Introduction :

1. This is a Centrifugal Fan including an ECM (Brushless Motor), a set of volute, a centrifugal fan and a plastic air-inlet device.
2. The ECM (Electronically Commutated Motor) is a high efficiency programmable brushless DC motor utilizing a **permanent magnet rotor** and a **built-in inverter**.
3. DC motor is significantly more energy efficient than AC motor and much easier to control. The energy saving is upto 65% in average compared to shaded pole motor, or 35% compared to PSC motor.
4. The motor is of long lifetime, wide range of applications and speed regulations.
5. It's generally available for products of low speed (generally less than 6000RPM).
6. It's with large rotation inertia, simple structure & not accurate starting position.

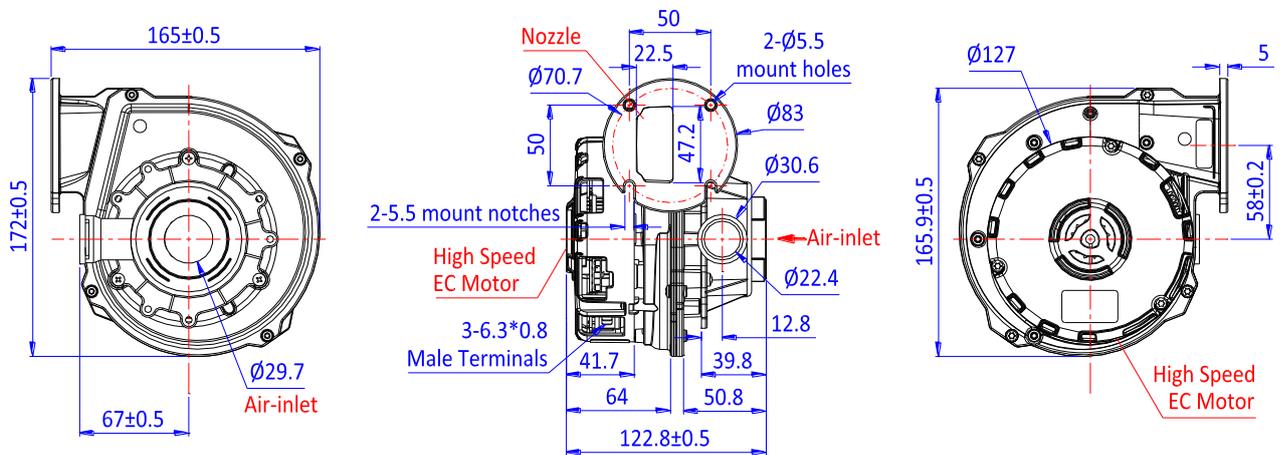
Main Characteristics :

- Motor Type: **3 Phase internal rotor** brushless motor.
- Control Driver Circuit: **built-in circuit**, sine wave drive (with lower noise and vibration, but the motor efficiency is also lower).
- Hall Sensor: No.
- Motor Rotation: In CW direction seeing from the wind wheel side.
- Fixing of the Blower: By the 2- ϕ 5.5 through holes and 2-5.5 notches in the aluminum nozzle of the volute (see from the drawing).

Typical Applications :

This blower is mostly used for **gas system water boiler, pellet stove, etc.** It can also be used for other applications that need high speed blower.

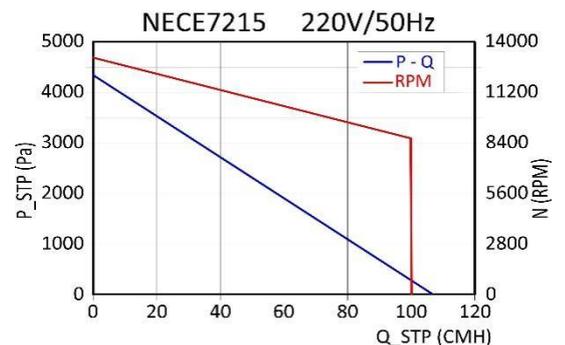
Outline Dimensions (All dimensions in millimeter) :



Technical Performances (tested under room temperature) :

Specs Models	Height of Stator Lamination (mm)	Rated Voltage (VAC)	Rated Freq'y (Hz)	On Load			
				Input Current (Amp)	Output Speed (RPM)	Input Power (Watts)	Wind Speed (m/s)
NECE7215	15	220	50	0.30	10000	65.0	≥22

Performance Curve :



Remarks: This catalog listed just some typical models. The performances as above are just for reference only. We can adjust our motor specifications according to what the customer needs. OEM & ODM are both welcome.