House power of Fan

Fan hp = \frac{cfm \times \text{static pressure (in. wg)}}{6356 \times \text{Efficiency}}

- Casalas
- Sand P
- Woods
- CBI
- TLT

- 65% 55% 65% 55% 55%

Fresh air enters the fan through the fresh air intake. The exhaust air is drawn out.

Fresh air is a fresh air intake. It is not mixed with the exhaust air. The exhaust air is not mixed with the fresh air.

Induction Fan
Engine room Ventilation

CFM/exh = \frac{H}{\rho \times C_P \times \Delta T}

H : Heat dissipation (Radiation) \text{ Btu/min}

\rho : Density of air kg/m³

\Delta T : Change in temperature °C

C_P : Specific heat of air = 0.24

ASRAE Standard 62.1