

BERITA BAHAN

Unit Kawalan Bahan & Forensik

Cawangan Kejuruteraan Elektrik, Tingkat 15, Blok G, Ibu Pejabat JKR Malaysia



HIGH VOLUME LOW SPEED (HVLS) FAN

HVLS fan blades are typically 8' to 24' in diameter to move large volumes of air at very low speeds. This creates a gentle, but significant air flow that has an immediate cooling effect in a hot room. In short, HVLS fans;

- *keeps fresh air constantly circulating.*
- *actually changes the molecular structure of the room to lower temperature.*

HVLS Specification :

Blade Diameter	Hanging Weight	Max. Area Covered
8'	87.7 kg	336 m ²
24'	108.8 kg	1673 m ²

Estimated Cost :

Blade Diameter 8' (RM15k ~ RM16k)
Blade Diameter 24' (RM35k ~ RM36k)

Important Notes:

- **Must follow guideline for safety requirement for each installations and during maintenance.**
- **The fan assembly, as a system must be certified by an accredited certification body.**
- **Must ensure that the building structure could safely support the fan.**

An HVLS fan has two requirements in order to be labelled as such:

✓ The volume of air passing through the fan in one single revolution must be no less than 500 cubic feet.

✓ The tip speed of the fan's blades must not be greater than 60 miles per hour.

Benefits of HVLS;

\$\$\$\$ Energy Cost Savings \$\$\$\$

"HVLS fans move very slowly, and can move large amounts of air at low rotational speed, hence the name "high volume, low speed."