

# Calculation Guideline

## Domestic fan

Lebih Banyak Bintang  
Lebih Jimat Tenaga  
More Stars  
More Energy Saving

**PENGUNAAN TENAGA**  
**ENERGY CONSUMPTION**

Appliance type Brand and model

**5**

**Penggunaan Tenaga Purata Setahun**  
Average Energy Consumption Per Year

XXX kWj  
kWh

Produk ini menggunakan XX% kurang tenaga daripada produk bertaraf 2-Bintang terendah.  
This product consumes XX% less energy than the lowest 2-Star rated product.  
Diuji mengikut / Tested according to XX:xxxx:xxxx

A = Annual Energy Consumption (kWh) =  
365 x 8 x Power input measured from the test report (kW)

B = Energy consumption per year for the lowest 2-Stars rating model (kWh) =  
$$\frac{365 \times 8 \times (\text{Tested air delivery capacity (m}^3/\text{min)} / \text{COP}_{\text{Lowest 2-Stars model}})}{1000}$$
  
Tested air delivery capacity (m<sup>3</sup>/min) = From test report  
COP<sub>Lowest 2-Stars model</sub> =  
2.58 m<sup>3</sup>/minW (Ceiling fan)  
1.01 m<sup>3</sup>/minW (Pedestal, Wall and Desk fan)

Thus,  
B (kWh) =  $\frac{365 \times 8 \times (\text{Tested air delivery capacity (m}^3/\text{min)} / 2.58)}{1000}$   
for Ceiling fan  
or  
B (kWh) =  $\frac{365 \times 8 \times (\text{Tested air delivery capacity (m}^3/\text{min)} / 1.01)}{1000}$   
for Pedestal, Wall and Desk fan

Percentage energy saving compared to the lowest 2-Stars rating model =  
$$100\% - ((100 \times (A / B)))$$