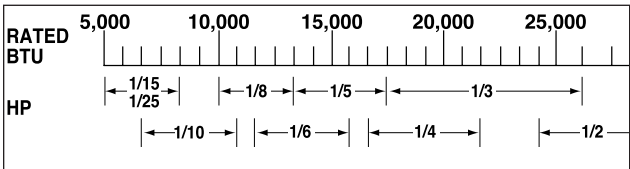


## RATING MOTORS WITH BTUs

The following helpful guides have been used successfully to approximate the motor horsepower, based on BTU rating of a window air conditioner. This is for cases where the motor nameplate has no horsepower listed. Notice that some horsepower ratings overlap. For example, you might find a 1/10 or 1/8 horsepower motor in a 10,000 BTU window air conditioner. Please keep in mind that there will be exceptions to these guides.

### Window Air Conditioner



There are 12,000 BTUs in one ton of air conditioning.

A similar system can be used to approximate the motor based on the rating of a central air conditioning system.

Central A/C System Condenser Fan Motors	
System	HP
2 TON	1/5
2 1/2 TON	1/4
3 TON	1/3
3 1/2 TON	1/2
4-5 TON	3/4
7 1/2 TON	1