



Indispensable parameters for choosing an air compressor: PSI, CFM and HP

When you choose the right [air compressor](#), PSI, CFM and HP are indispensable and important factors that need to be taken into consideration.

If you've been in the air compressor industry for a while, you're probably very familiar with the abbreviations PSI (pressure), CFM (flow), and HP (power). These parameters are crucial in choosing which air compressor to suit your application. That is to say, PSI, CFM and HP are indispensable and important factors that need to be taken into consideration when choosing the right air compressor. middle.



PSI, CFM, and HP are the three main ratings that accurately demonstrate a compressor's capabilities.

PSI

Pounds per square inch, a measure of the pressure on a square inch of space. Likewise, the PSI parameter is a measure of the power an air compressor can provide.

CFM

Cubic feet per minute, an expression of a compressor's flow rate or the amount of air a compressor can produce at a given pressure level. Compressors with higher CFM ratings are able to deliver more air, making them ideal for most applications.

HP

Having a powerful function, or the amount of work the motor can perform. Pressure and flow don't matter when using HP to determine if a compressor is right for your application, as newer, more efficient compressors can do more with less HP! Doing more with less HP will save you energy and provide you with a greater return over the life of your compressor.

Things to consider

No matter what your application scenario is, it is crucial to understand the PSI, CFM and HP required for the application scenario. This will ensure that your application is getting adequate air flow (CFM) at the correct pressure (PSI) - and that the air compressor is delivering your pressure and flow as efficiently as possible.

If you have any questions about the air compressor, please contact us.

Phone: 0086-18055324865

Email: yuri@compressor-yt.com

Atlas Copco Air Compressor Supplier - Youteng Machinery

[Wuxi Youteng Machinery Co., Ltd.](#) was established in 2012, mainly engaged in air compression system, vacuum system design consulting, engineering project and repairing services etc. Our company mainly provides air compressor equipments and for compressors of world-famous brands. We also support OEM. In addition, The company has a number of experienced technicians to perform maintenance work on various air compressors, dryers and filters, which have a certain influence in China. At the same time, the company also participates in motor overhaul projects and maintains various motors. We have a complete service system and sufficient [compressor spares](#) to relieve customers from worries. If you are interested in atlas copco compressors, please [contact us](#).