



| Air Requirements of Common Pneumatic Tools | | | |
|--|------------|---------------|---------------------------------|
| Pneumatic Tool | CFM @ Load | Suggested CFM | VMAC Compressor Options |
| Wrenches | | | |
| 3/8" Impact Wrench | 8-36 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR 40 |
| 1/2" Impact Wrench | 9-42 | 30-40 CFM | |
| 3/4" Impact Wrench | 9-55 | 30-40 CFM* | |
| 1" Impact Wrench | 9-102 | 60-70 CFM* | D60, H60, DTM70, VR70 |
| #5 Spline Impact Wrench | 60-95 | 100 CFM | VR150 |
| Ratchets | | | |
| 1/4" Ratchet | 10-20 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR40 |
| 1/2" Ratchet | 15-23 | 30-40 CFM | |
| 3/8" Ratchet | 11-24 | 30-40 CFM | |
| Drills | | | |
| 1/2" Drill | 17-35 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR40 |
| 3/8" Drill | 13-44 | 30-40 CFM | |
| Grinders | | | |
| 1/4" Die Grinder | 6-40 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR40 |
| Angle Grinders (5") | 16-76 | 60-70 CFM | D60, H60, DTM70, VR70 |
| Vertical Grinder | 50-93 | 60-70 CFM | |
| Sanders | | | |
| Tire Buffer | 13-15 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR40 |
| Orbital Sander | 14-22 | 30-40 CFM | |
| Polishing Sander | 22-39 | 60-70 CFM | |
| Percussive | | | |
| Air Hammer (Zip Gun) | 7-30 | 30-40 CFM | G30, D60, H40, DTM70, MF, VR40 |
| Scalers | 4-15 | 30-40 CFM | |
| Engraving Pens | 1-5 | 30-40 CFM | |
| Saws | | | |
| Reciprocating Saw | 6-51 | 60-70 CFM | D60, H60, DTM70, VR70 |
| Walk Behind Saw | 90-92 | 100 CFM | VR150 |
| Concrete | | | |
| Clay Digger | 36-47 | 60-70 CFM | DTM70, D60, VR70 |
| 30/35 lb. Pavement Breaker | 48-52 | 60-70 CFM | |
| 60 lb. Pavement Breaker | 64-70 | 60-70 CFM | |
| 90 lb. Pavement Breaker | 62-85 | 100 CFM | VR150 |

*Adding an air tank may allow you to use a smaller CFM air compressor in some scenarios!

The above chart serves as a guideline only, based on averages from several popular pneumatic tool brands. We recommend confirming all CFM requirements with your tool manufacturers before purchasing any air compressor.

6 Things to Consider When Choosing An Air Compressor

- 1. Normal Use** - Our charts are based on the typical way a tool is used. Tools used continuously need higher CFM capabilities than those that are only used a few seconds at a time.
- 2. Tool Requirements** - It's normal for some tools to have a massive range in CFM requirements, even when supplied by a single manufacturer. If you're in doubt about what you'll need, ask your tool manufacturers.
- 3. Multiple Tools** - If you're running multiple tools at the time, you'll need to combine the CFM requirements of each of the tools that will be running to determine the total CFM requirement.
- 4. Air Tanks** - Although all VMAC compressors run at 100% duty cycle, additional air tanks may reduce the need for a more powerful air compressor in some scenarios, which saves you money.
- 5. Energy Source** - VMAC customers typically choose their compressor based on energy source. We can use a truck's existing engine, hydraulics, or power takeoff, or we can provide a compressor with its own gas or diesel drive.
- 6. Cargo Space** - VMAC's UNDERHOOD series allows you to tuck an air compressor under your vehicle's hood, freeing up cargo space, while all our other solutions are **smaller, lighter** and **more powerful** than competing brands.

Questions? Call VMAC @ 1-888-514-6656

| Legend | | |
|------------------------------------|----------------|-----------------|
| VMAC Compressor | Power Source | Max CFM Options |
| G30 = Gas Driven | Gas Engine | 30 |
| D60 = Diesel Driven | Diesel Engine | 60 |
| H40 = Hydraulic Driven | Hydraulic | 40, 60 |
| MF = Multifunction 6 in 1 | Diesel Engine | 45 |
| DTM = Direct-Transmission™ Mounted | PTO | 70* |
| VR = UNDERHOOD™ Air Compressors | Vehicle Engine | 40, 70, 140* |

*Actual maximum CFM output of the air compressor varies by vehicle application. See VMAC's Application List for details