

Air Requirements of Common Air Tools

Air Tool	CFM @ Load	Suggested CFM	VMAC Compressor Option
Wrenches			
3/8" Impact Wrench	6-22	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
1/2" Impact Wrench	4-40	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
3/4" Impact Wrench	6-60	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
1" Impact Wrench	15-55	60-70 CFM	D60, H60, DTM70, DTM70-H, UH 70
#5 Spline Impact Wrench	40-95	100 CFM	UH 150
Ratchets			
1/4" Ratchet	12-20	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
1/2" Ratchet	11-24	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
3/8" Ratchet	11-24	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Drills & Screwdrivers			
1/2" Drill	12-33	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
3/8" Drill	17-33	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Screwdrivers	9-33	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Grinders			
1/4" Die Grinder	6-40	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Angle Grinders (5")	16-68	60-70 CFM	D60, H60, DTM70, DTM70-H, UH 70
Vertical Grinder	38-97	60-70 CFM	D60, H60, DTM70, DTM70-H, UH 70
Sanders			
Tire Buffer	13-15	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Orbital Sander	14-22	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Polishing Sander	22-39	60-70 CFM	D60, H60, DTM70, DTM70-H, UH 70
Percussive			
Air Hammer (Zip Gun)	7-30	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Scalers	4-20	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Engraving Pens	1-5	30-40 CFM	G30, D60, H40, DTM70, DTM70-H, MF, UH 40
Saws			
Reciprocating Saw	6-15	60-70 CFM	D60, H60, DTM70, DTM70-H, MF, UH 70
Walk Behind Saw	90-92	100 CFM	UH 150
Concrete			
Clay Digger	45-47	60-70 CFM	DTM70, DTM70-H, D60, UH 70
30/35 lb Pavement Breaker	37-50	60-70 CFM	DTM70, DTM70-H, D60, UH 70
60 lb Pavement Breaker	48-73	60-70 CFM	DTM70, DTM70-H, D60, UH 70
90 lb Pavement Breaker	62-85	100 CFM	UH 150

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 same 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, adding an air tank may reduce the need for a more powerful air compressor in some scenarios.

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 engine.

6. CARGO SPACE

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 the competing brands.

Questions? Call VMAC @ 1-877-912-6605

LEGEND

VMAC Compressor	Power Source	Max CFM Options
G30 = Gas Powered	Gas Engine	30
D60 = Diesel Driven	Diesel Engine	60
H40/H60 = Hydraulic Driven	Hydraulic	40, 60
MF = Multifunction 6 in 1	Diesel Engine	45
DTM = Direct-Transmission™ Mounted	PTO	70*
UH = 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.

