

Compressor Package Quick Quote Reference Sheet

This sheet is meant only as a guide. Site visits and evaluations are still recommended to ensure the proper compressor package is quoted for the application.

Step 1 Count Tools

Count the total number of tools in use at one time and we'll calculate the cfm required to operate

Tools	CFM	Tools	CFM	Tools	CFM
_____ x 3/8 Impact Wrench(s) = _____		_____ x 6 inch Orbital Sander(s) = _____		Sandblasting Nozzles	
_____ x 1/2 Impact Wrench(s) = _____		_____ x 8 inch Orbital Sander(s) = _____		_____ x 3/32 inch @ 90PSI = _____	
_____ x 3/4 Impact Wrench(s) = _____		_____ x 7 inch Air Sander(s) = _____		_____ x 1/8 inch @ 90PSI = _____	
_____ x 1 Impact Wrench(s) = _____		_____ x 6 inch DA Sander(s) = _____		_____ x 5/32 inch @ 90PSI = _____	
_____ x 1/4 Air Ratchet(s) = _____		_____ x 7 inch DA Sander(s) = _____		_____ x 3/16 inch @ 90PSI = _____	
_____ x 3/8 Air Ratchet(s) = _____		_____ x Nail Gun(s) = _____		_____ x 1/4 inch @ 90PSI = _____	
_____ x 1/2 Air Ratchet(s) = _____		_____ x Staple Gun(s) = _____		_____ x 5/16 inch @ 90PSI = _____	
_____ x 1/4 Die Grinder(s) = _____		_____ x 1/4 Inch Nozzle		_____ x 3/8 inch @ 90PSI = _____	
_____ x High Speed Grinder(s) = _____		_____ Blow Gun(s) = _____		_____ x 7/16 inch @ 90PSI = _____	
_____ x 3 inch Cut Off tool(s) = _____		_____ x 1/4 Air Drill(s) = _____		_____ x 1/2 inch @ 90PSI = _____	
_____ x HVLP Paint Spray Gun(s) = _____		_____ x 3/8 Air Drill(s) = _____			
_____ x 5 inch Orbital Sander(s) = _____		_____ x 1/2 Air Drill(s) = _____			
				Total tool CFM Demand =	

Other Equipment

Count ALL other equipment that uses air.

Other Equipment CFM = _____

Total CFM Demand of

Equipment and Tools =

Or Use the Technician Count Method

When using the technician only method it is critical to make sure and count **ALL** technicians that may be using tools at any one time to get a proper CFM total.

Type of tools used	Number of Techs	CFM
Impact Wrenches, Air ratchets, Staple/Nail Guns	x	=
Grinding/Sanding/Coating Applications	x	=
Total Technician CFM usage	x	=

**Total Air Demand
for Application**

Step 2 Choose Your Equipment

Reciprocating Compressor			Oil free Reciprocating Compressor			Rotary Screw Compressor		
The maximum operating duty cycle on a reciprocating compressor is 70% optimal is 50%			The maximum operating duty cycle on a oil free reciprocating compressor is 50% optimal is 30%			The maximum operating duty cycle on a rotary screw compressor is 100%, optimal is 70%		
50% Duty Cycle	60% Duty Cycle	70% Duty Cycle	30% Duty Cycle	40% Duty Cycle	50% Duty Cycle	60% Duty Cycle	70% Duty Cycle	80% Duty Cycle

Average Compressor CFM Production per horse power				
Reciprocating	CFM@175PSI	Rotary Screw	CFM@150PSI	CFM@125PSI
5HP	18	5HP	16	18
7.5HP	24	7.5HP	26	28
10HP	35	10HP	38	40
15HP	50	15HP	54	60
20HP	80	20HP	78	85
25HP	95	25HP	102	108
		30HP	125	130
		40HP	155	160
		50HP	185	200
		60HP	210	235

Quick Metric Conversions

Amount	CFM
Liters per minute to CFM	=
Cubic meters per minute to CFM	=
Amount	PSI
Bar to PSI	=



Compressed Air Systems, LLC
 600 S 2nd Ave
 Mansfield, TX, 76063
1-800-531-9656
 Fax 972-352-6364
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