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
0.0 x ⅜ Impact Wrench(s) =	0
0.0 x ½ Impact Wrench(s) =	0
0.0 x ¾ Impact Wrench(s) =	0
0.0 x 1 Impact Wrench(s) =	0
0.0 x ¼ Air Ratchet(s) =	0
0.0 x ⅜ Air Ratchet(s) =	0
0.0 x ½ Air Ratchet(s) =	0
0.0 x ¼ Die Grinder(s) =	0
0.0 x High Speed Grinder(s) =	0
0.0 x 3 inch Cut Off tool(s) =	0
0.0 x HVLP Paint Spray Gun(s) =	0
0.0 x 5 inch Orbital Sander(s) =	0

Tools	CFM
0.0 x 6 inch Orbital Sander(s) =	0
0.0 x 8 inch Orbital Sander(s) =	0
0.0 x 7 inch Air Sander(s) =	0
0.0 x 6 inch DA Sander(s) =	0
0.0 x 7 inch DA Sander(s) =	0
0.0 x Nail Gun(s) =	0
0.0 x Staple Gun(s) =	0
0.0 x ¼ Inch Nozzle Blow Gun(s) =	0
0.0 x ¼ Air Drill(s) =	0
0.0 x ⅜ Air Drill(s) =	0
0.0 x ½ Air Drill(s) =	0

Tools	CFM
Sandblasting Nozzles	
0.0 x 3/32 inch @ 90PSI =	0
0.0 x ⅛ inch @ 90PSI =	0
0.0 x 5/32 inch @ 90PSI =	0
0.0 x 3/16 inch @ 90PSI =	0
0.0 x ¼ inch @ 90PSI =	0
0.0 x 5/16 inch @ 90PSI =	0
0.0 x ⅜ inch @ 90PSI =	0
0.0 x 7/16 inch @ 90PSI =	0
0.0 x ½ inch @ 90PSI =	0

Total tool CFM Demand = 0

Other Equipment
Count ALL other equipment that uses air.

Other Equipment CFM = 0.0

Total CFM Demand of Equipment and Tools = 0

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	0.0	=	0.00
Grinding/Sanding/Coating Applications	x	0.0	=	0.00
Total Technician CFM usage	x		=	0.0

Total Air Demand for Application

0

Step 2 Choose Your Equipment

Reciprocating Compressor		
The maximum operating duty cycle on a reciprocating compressor is 70% optimal is 50%		
50% Duty Cycle	60% Duty Cycle	70% Duty Cycle
0	0	0

Oil free Reciprocating Compressor		
The maximum operating duty cycle on a oil free reciprocating compressor is 50% optimal is 30%		
30% Duty Cycle	40% Duty Cycle	50% Duty Cycle
0	0	0

Rotary Screw Compressor		
The maximum operating duty cycle on a rotary screw compressor is 100%, optimal is 70%		
60% Duty Cycle	70% Duty Cycle	80% Duty Cycle
0	0	0

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	0	=	0.00
Cubic meters per minute to CFM	0	=	0

	Amount		PSI
Bar to PSI	0	=	0

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Simplicity. It's What We Do.