

Air Compressors



PurePressure offers a variety of different hand selected air compressors to fit any operation's needs.

CFM stands for Cubic Feet per Minute and is the most common way to measure airflow. Areas are measured in square units (like square feet). Volumes (like a room full of air) are measured in cubic units. CFM determines how much cubic feet can be moved or exchanged each minute.

Max vs. Standard Operating Pressure

Air compressors have an operating window in regards to output pressure. The maximum pressure is the pressure at which the air compressor pump turns off while filling the tank. As air is consumed, the pressure drops. Once the pressure reaches the low end of the standard operating window the air compressor will turn back on and run until the max pressure is achieved.

Air Dryers / Drying

Once compressed, air rises in temperature and absorbs moisture. Moisture is the enemy in compressed air systems. Moist air reduces the life of your air compressor and the tools you operate. A properly sized air dryer will help remove moisture that naturally migrates into the compressed air during the compression process. All of our compressors include an air drying solution.

How to Calculate CFM Required

PurePressure Equipment CFM

Axis	Longs Peak Press	Pikes Peak Press	Pneumatic Hash Pump
0.5	2.7	2.2	5 - 12 CFM*

Base CFM = (Sum PP equipment CFM) + (Sum other equipment CFM)

Make sure to consider which pieces of equipment will be operating simultaneously now or in the future. You may find that there is a piece of equipment that consumes a lot of air but doesn't need to be run simultaneously to everything else. Put careful consideration into this as it can dramatically alter the compressor requirements.

Altitude Corrected CFM = Base CFM * (elevation in ft / 5000) * 1.21

Air density decreases approx 21% per 5000 ft of elevation. If at sea level enter an elevation of 1.

Compressor CFM Req = Altitude Corrected CFM * 1.15 (15% overage)

If you have a large facility with longer air runs, you may need to consider pressure drop within your compressed air circuit. Increasing the overage can help account for these types of system issues but sometimes additional storage or increases pipe diameter may be required.

California Air Tools 1.5 HP Ultra Quiet Air Compressor Package

\$750

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
3.8	145 - 175 psi	175 psi	110v / 60hz	12 amp	20 gal	70 dB	Desiccant
Compatibility		Pikes Peak Rosin Press			Longs Peak Rosin Press		



California Air Tools 4 HP Ultra Quiet Air Compressor w/ Optional Enclosure

\$2,516 / \$3,600

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
10.6	95 -125 psi	125 psi	220V 1 Ph	14 amp	20 gal	75 / 65 dB	Desiccant
Compatibility		Pneumatic Hash Pump					



Quincy 5 HP 60 Gallon Piston Air Compressor Package

\$3,810

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
15.2	150 - 175 psi	175 psi	230V 1 Ph	24 amp	60 gal	80 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press		Pneumatic Hash Pump		



Chicago
Pneumatic

Chicago Pneumatic Rotary-Screw Air Compressors

3HP 60 Gallon Tank



\$6,115

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
8.5	130 -150 psi	150 psi	230V 1 Ph or 230/208/460/575V 3Ph	19 or 11/13/6/3 amps	60 gal	61 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press		Pneumatic Hash Pump		

5HP 60 Gallon Tank

\$6,765

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
16.6	130 -150 psi	150 psi	230V 1 Ph or 230/208/460/575V 3Ph	27 or 16/19/8/3 amps	60 gal	62 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press	Pneumatic Hash Pump			

7.5HP 60 Gallon Tank

\$7,950

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
21.2	130 -150 psi	150 psi	230V 1 Ph or 230/208/460/575V 3Ph	36 or 20/22/10/3 amps	60 gal	64 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press	Pneumatic Hash Pump			

10HP 120 Gallon Tank

\$9,310

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
33	150 -175 psi	175 psi	230/208/460/575V 3Ph	30/32/15/6 amps	120 gal	66 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press	Pneumatic Hash Pump			

15HP 120 Gallon Tank

\$10,483

CFM	Pressure		Voltage	Amperage	Tank Size	Decibel Rating	Dryer
	Standard Operating	Max					
47	150 -175 psi	175 psi	230/208/460/575V 3Ph	30/42/20/6 amps	120 gal	68 dB	Refrigerated
Compatibility		Pikes Peak Rosin Press	Longs Peak Rosin Press	Pneumatic Hash Pump			