

COMMANDAIR | .5-1 HP RECIPROCATING COMPRESSORS

Pump Model B1 & B1S

The Solution to Your Application

Champion offers a full line of compact Commandair reciprocating air compressors, which are manufactured to the same quality standards as our larger, industrial models. These packages are sized for smaller air requirements such as small industrial plants, schools, small automotive centers, and do-it-yourselfers.

Standard Features

- Cast iron cylinders
- Lightweight aluminum alloy pistons
- Two compression rings and one oil-control ring
- High density, high silicon die-cast aluminum alloy connecting rods
- High-quality steel reed-type valves
- Precision balanced flywheel
- Rugged ductile iron crankshaft
- Rugged cast-iron crankcase
- Convenient oil level sight gauge
- Removable cartridge-type intake filter
- 1-Year package warranty
- 1-Year pump warranty

Available Options

- Pneumatic or electric tank drain
- Vibration isolators



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
B1 & B1S	6.3 x 7.2 x 10.8	24.3	2.6	2	.19	400/1020

SIMPLEX BASE MOUNTED UNITS

MOTOR HP	COMPRESSOR PUMP MODEL	COMMANDAIR CESCAA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLIN- DERS	BOLT DOWN L x W INCHES	90 PSI	
									RPM	CFM DEL'Y
0.5	B1S	BMB1S5	38.8 x 20.6 x 20.5	64	2.38	2	1	25.6 x 14.5	525	1.8
0.75	B1	BMB17	38.8 x 20.6 x 20.5	71	2.38	2	1	25.6 x 14.5	715	3.67
1	B1	BMB110	38.8 x 20.6 x 20.5	84	2.38	2	1	25.6 x 14.5	919	4.71

SIMPLEX VERTICAL TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	COMPRESSOR PUMP MODEL	COMMANDAIR CESCAA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLIN- DERS	BOLT DOWN L x W INCHES	90 PSI	
										RPM	CFM DEL'Y
0.5	30	B1S	30B1S5V	32.3 x 22.4 x 56.6	130	2.38	2	1	4 on 18" BC	525	1.8
0.75	30	B1	30B17V	32.3 x 22.4 x 56.6	139	2.38	2	1	4 on 18" BC	715	3.67
1	30	B1	30B110V	32.3 x 22.4 x 56.6	168	2.38	2	1	4 on 18" BC	919	4.71

SIMPLEX HORIZONTAL TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	COMPRESSOR PUMP MODEL	COMMANDAIR CESCAA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLIN- DERS	BOLT DOWN L x W INCHES	90 PSI	
										RPM	CFM DEL'Y
0.5	30	B1S	30B1S5H	42 x 21 x 33.4	128	2.38	2	1	20 x 12.8	525	1.8
0.75	30	B1	30B17H	42 x 21 x 33.4	137	2.38	2	1	20 x 12.8	715	3.67
1	30	B1	30B110H	42 x 21 x 33.4	166	2.38	2	1	20 x 12.8	919	4.71

SPRINKLER SYSTEMS: 40 PSIG SYSTEM (30 MINUTES MAXIMUM PUMPING TIME)

MOTOR HP	MAX VOLUME GALLON	COMPRESSOR PUMP MODEL	COMMANDAIR CEWCAA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLIN- DERS	BOLT DOWN L x W INCHES	40 PSI	
										RPM	CFM DEL'Y
0.5	214	B1	BMB1-5SS	38.8 x 20.6 x 20.5	64	2.38	2	1	25.6 x 14.5	673	2.6
0.75	230	B1	BMB1-7SS	38.8 x 20.6 x 20.5	71	2.38	2	1	25.6 x 14.5	715	2.8
1	305	B1	BMB1-10SS	38.8 x 20.6 x 20.5	84	2.38	2	1	25.6 x 14.5	950	3.7

CHAMPION

1301 North Euclid Avenue
Princeton, Illinois 61356 USA
www.ChampionPneumatic.com/ContactUs.aspx
866-276-4330
www.ChampionPneumatic.com



©2015 Gardner Denver, Inc. Printed in U.S.A.
CR-CA-B1 1st Ed. 11/15