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Average Horsepower Required to Compress Air

by Brian S. Elliott

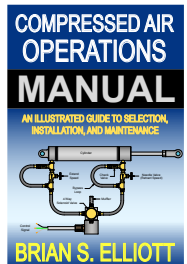
The following chart is intended as a general guide for the average horse power that is required to compress air in normal operations. Actual horse power required for any given compression application must be determined with the equipment that is being utilized and in the environment in which the system must operate.

Average Horsepower Required to Compress Air

Horsepower required to compress one cubic foot of air per minute.
(HP plus 15% to compensate for inefficiencies.)

PSI	Required Horsepower
10	0.041
20	0.071
30	0.096
40	0.118
50	0.136
75	0.175
90	0.195
100	0.207
125	0.234
150	0.258
175	0.282

Comprehensive information on compressed air systems is provided in the book "Compressed Air Operations Manual" by Brian S. Elliott, ISBN: 0-07-147526-5 Published by the McGraw-Hill Book Co.



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