

Build Your Own Gas/Diesel Reciprocating Compressor

Drive Engine Options

(All engines are electric start)

GX270 Honda 17.5CFM@175PSI

GX390 Honda 23CFM@175PSI

CH440 Kohler 24CFM@175PSI

KD440 Kohler Diesel 22CFM@175PSI

GX630 Honda 35CFM@175PSI

KDW702 Kohler Diesel 35CFM@175PSI

Series Desired

Basic

Elite

Compressor Mounting Options

Tank mount

Base mount

Portable

Tank Size (Gallons)

8 Gallon (Portable Only)

30 Horizontal

50 Horizontal

80 Horizontal

Air filtration options

Particulate filtration

Coalescing Filtration

Additional Options

Adjustable belt tensioning base

Heavy duty deep cycle battery

Standard battery (On basic units)

NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SERVICE REPRESENTATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.

Name _____

Company _____

Email _____

Phone _____

Email this sheet to sales@compressed-air-systems.com or fax to 972-352-6364

How To Size Reciprocating Compressors.

Body Shops.

To properly size a body shop application, first find the total number of workers in the shop. Second multiply that number by 8. Which is the average amount of CFM used by any one person through out the day. This makes sure that the compressor stays within its desired 50% duty cycle. (or any shop that does a lot of sanding and grinding)

Example:

Total Number of workers-7 7 People x 8 CFM=56 CFM

For this shop to operate within the desired 50% duty cycle you would need 56CFM of air delivered.

Mechanic Shops.

To properly size a mechanic shop first find the total number of workers in the shop. Second take that number and multiply it by 5. The average amount of CFM used by a mechanic through out the day. This makes sure that the compressor stays within its desired 50% duty cycle.

Example:

Total Number of workers-6 6 People x 5 CFM =30

For this shop to operate within the desired 50% duty cycle you would need 30CFM air delivered.

Total CFM Usage.

To properly size a compressor based on total tool consumption you would need the manufacture spec CFM of all the tools that the shop uses on a daily basis. First add all of these totals up and then multiply the total by 2. This makes sure that the compressor stays within the desired 50% duty cycle.

Example:

DA Sander-10 CFM Air Impact-6 CFM

HVLP Paint Gun-15 CFM Total 31 CFM

$31 \times 2 = 62$ CFM

For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.

Simplicity. It's What We Do.

www.compressed-air-systems.com

