## **Build Your Own Gas/Diesel Reciprocating Compressor**

Company	Drive Engine Options	How To Size Reciprocating Compressors.
GX390 Honda 23CFM@175PSI	(All engines are electric start)	Body Shops.
CH440 Kohler 24CFM@175PSI   by 8. Which is the average amount of CFM used by any one person through out the day. This makes sure that the compressors as stays within its desired 50% duty cycle. (or any shop that does a lot of sanding and grinding)   Example:	☐ GX270 Honda 17.5CFM@175PSI	To properly size a body shop application, first find the total
KD440 Kohler Diesel 22CFM@175PSI   GX630 Honda 35CFM@175PSI   KDW702 Kohler Diesel 35CFM@175PSI   KDW702 Kohler Diesel 35CFM@175PSI   Series Desired   Basic   For this shop to operate within the 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.   Week and the street of t	☐ GX390 Honda 23CFM@175PSI	number of workers in the shop. Second multiply that number
GX630 Honda 35CFM@175PSI     KDW702 Kohler Diesel 35CFM@175PSI     Series Desired     Basic     Ellie     Compressor Mounting Options     Base mount     Portable     Ba Gallon (Portable Only)     30 Horizontal     Bo Horizont	☐ CH440 Kohler 24CFM@175PSI	by 8. Which is the average amount of CFM used by any one
Series Desired   Basic   For this shop to operate within the desired 50% duty cycle you would need 56CFM of air delivered.    Compressor Mounting Options   Tank mount   Tank Size (Gallons)   T	☐ KD440 Kohler Diesel 22CFM@175PSI	
Example:   Series Desired	☐ GX630 Honda 35CFM@175PSI	
Series Desired	☐ KDW702 Kohler Diesel 35CFM@175PSI	
□ Basic   □ Elite   For this shop to operate within the desired 50% duty cycle you would need 56CFM of air delivered.    Compressor Mounting Options   Tank mount   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.    Air filtration options   Total CFM Usage.   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   31x2-62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.    NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/ SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.   Service Representative Representative Representative Representative Representative Representative Representative Representative Representat		•
Compressor Mounting Options  □ Tank mount □ Base mount □ Portable  Tank Size (Gallons) □ 30 Horizontal □ Horizontal □ Porticulate filitration □ Coalescing Filitration □ Additional Options □ Heavy duty deep cycle battery □ Standard battery (On basic units)  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  Mechanic Shops.  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:  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:  31x2=62 CFM For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Phone  Company  Compan		•
Compressor Mounting Options  Tank mount  Base mount  Portable  Tank Size (Gallons)  B Gallon (Portable Only)  D Horizontal  D Horizontal  Horizontal  Horizontal  Horizontal  Horizontal  D Horizontal  Horizontal  D Horizontal  Horizontal  Horizontal  Horizontal  Horizontal  Horizontal  D Horizontal  Horizo		
Tank mount	Elite	would need 56CFM of air delivered.
Base mount Portable  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.  Air filtration options Particulate filtration Coalescing Filtration Additional Options Additional Options Heavy duty deep cycle battery Standard battery (On basic units)  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  NAME Company Email Phone  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SELECTION.  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SELECTION.  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/SE	<b>Compressor Mounting Options</b>	Mechanic Shops.
Portable   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 its desired 50% duty cycle 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   31x2=62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Por this compressor at a Great Price.   Port of the compressor at a Great Price.	☐ Tank mount	To properly size a mechanic shop first find the total number of
Tank Size (Gallons)  □ 8 Gallon (Portable Only)  □ 30 Horizontal  □ 50 Horizontal  □ 80 Ho	☐ Base mount	workers in the shop. Second take that number and multiply it
B Gallon (Portable Only)	☐ Portable	by 5. The average amount of CFM used by a mechanic through
8 Gallon (Portable Only)   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   31x2=62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   Portion of the compressor of the com	Tank Sina (Callana)	out the day. This makes sure that the compressor stays within
30 Horizontal   Total Number of workers-6 6 People x 5 CFM = 30     50 Horizontal   For this shop to operate within the desired 50% duty cycle you would need 30CFM air delivered.    Air filtration options   Particulate filtration   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:	•	its desired 50% duty cycle.
Sol Horizontal   For this shop to operate within the desired 50% duty cycle you would need 30CFM air delivered.    Air filtration options   Particulate filtration   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   31x2=62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.	·	•
80 Horizontal		•
Air filtration options   Particulate filtration   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   31x2=62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.   SELECTION.   SELECTION.   SELECTION   SELECTION		
Particulate filtration	☐ 80 Horizontal	would need 30CFM air delivered.
□ 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 REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  Name □ Company □ Coalescing Filtration  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  31x2=62 CFM  For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Phone □ Quality Air Compressor at a Great Price.  www.industrialgold.com	Air filtration options	Total CFM Usage.
Coalescing Filtration	☐ Particulate filtration	_
Adjustable belt tensioning base   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 31x2=62 CFM   For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.   STRIAL Gold   Quality Air Compressor at a Great Price.   www.industrialgold.com   Www.industri	☐ Coalescing Filtration	
□ Adjustable belt tensioning base □ Heavy duty deep cycle battery □ Standard battery (On basic units)  NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/ SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  Name □ Company □ Comp	Additional Ontions	that the shop uses on a daily basis. First add all of these totals
□ Heavy duty deep cycle battery □ Standard battery (On basic units) NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/ SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION. Name Company Email Phone Quality Air Compressor at a Great Price. www.industrialgold.com		up and then multiply the total by 2. This makes sure that the
Standard battery (On basic units)  DA Sander-10 CFM Air Impact-6 CFM HVLP Paint Gun-15 CFM Total 31 CFM 31x2=62 CFM For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Name  Company  Email  Phone  DA Sander-10 CFM Air Impact-6 CFM HVLP Paint Gun-15 CFM Total 31 CFM 31x2=62 CFM For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Quality Air Compressor at a Great Price. www.industrialgold.com	-	compressor stays within the desired 50% duty cycle.
NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/ SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  Name  Company  Email  Phone  DA Sander-10 CFM Air Impact-6 CFM HVLP Paint Gun-15 CFM Total 31 CFM 31x2=62 CFM For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Value of the provided HVLP Paint Gun-15 CFM Total 31 CFM  All Sander-10 CFM Air Impact-6 CFM HVLP Paint Gun-15 CFM Total 31 CFM  31x2=62 CFM For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Quality Air Compressor at a Great Price.  www.industrialgold.com		Example:
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SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR SELECTION.  For this compressor to operate within the desired 50% duty cycle you would need 62 CFM of air delivered.  Name  Company  Email  Phone  Quality Air Compressor at a Great Price.  www.industrialgold.com		HVLP Paint Gun-15 CFM Total 31 CFM
SELECTION.  Company  Email  Phone  cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.  Cycle you would need 62 CFM of air delivered.	NOTICE: ALWAYS CONSULT YOUR FACTORY AUTHORIZED SALES/	31x2=62 CFM
Name Company   INDUSTRIAL   Quality Air Compressor at a Great Price.  Www.industrialgold.com	SERVICE REPRESENATIVE BEFORE MAKING A FINAL COMPRESSOR	
Company INDUSTRIAL Quality Air Compressor at a Great Price.  Www.industrialgold.com	SELECTION.	cycle you would need 62 CFM of air delivered.
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Email Quality Air Compressor at a Great Price.  Www.industrialgold.com	Company	INDUSTRIAL
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	Email this sheet to indgoldair@yahoo.com or fax to 417-206-633	0.6