

Gardner
Denver[®]

POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

Carpet Cleaning Solutions



Carpet Cleaning Solutions

Backed by over 150 years of experience, Gardner Denver understands the complex needs and challenges of the carpet cleaning industry. Our range of products are exclusively used by leading Original Equipment Manufacturers (OEMs) worldwide for their applications.

Trust & Reliability

Supported by a network of experienced and trusted sales and service professionals, our carpet cleaning blowers/vacuum pumps are known for their excellent performance and low maintenance.

Manufactured in the USA

- Built under rigid ISO:2015 quality standards.
- Multiple product offerings to suit a range of unique applications.
- All models thoroughly tested to meet the highest performance standards for unrivaled service life under the most severe operating conditions.



**Sutorbilt
Legend DSL**



TriFlow



HeliFlow



Coverage from Coast to Coast

Our regional distributor network ensures that we're here when you need us. With over 30 domestic locations, we're there when you require expert service.

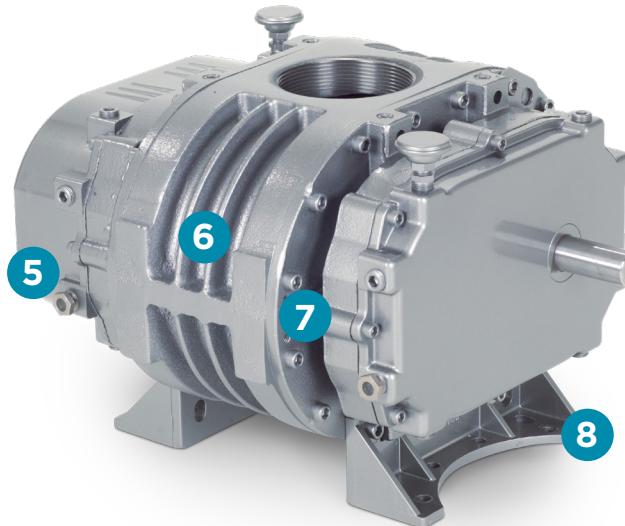
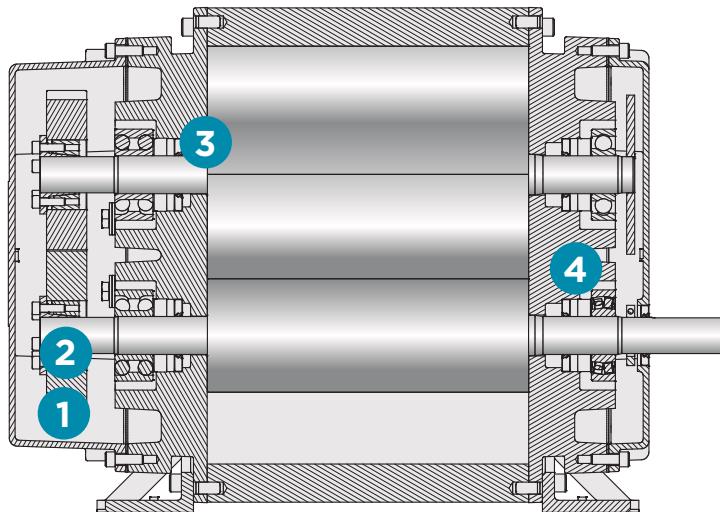


Sutorbilt Legend DSL

Sutorbilt Legend DSL 5M shown below

Key Features

1. Large sump capacity to reduce bearing temp
2. Dual splash lubricated for longer product life
3. Viton seals for leak free operation
4. Greater overhung load capacity for increased blower life
5. Sight glass can be readily converted in the field when configuration is changed
6. Integral ribs for improved heat dissipation
7. Engineered air gap to isolate oil sumps from hot air
8. Universal mounting feet for flexible mounting

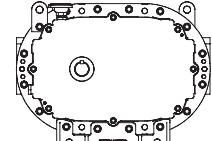
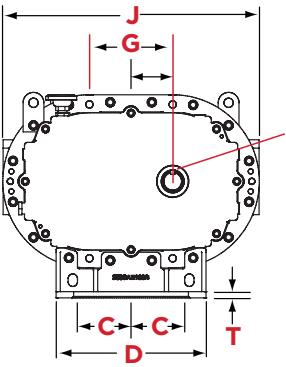
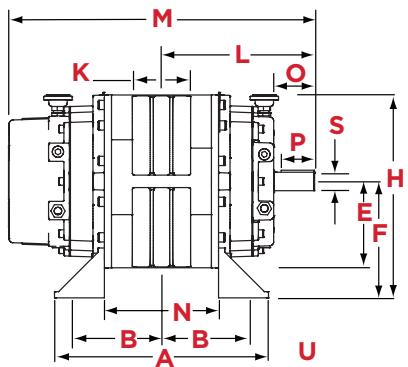


Operation Specifications & Benefits

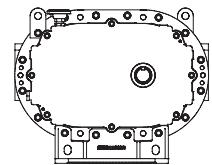
- Pressure to 15 psig
- Vacuum to 16 inHg
- Airflow to 950 cfm
- Over 75 years of proven results
- Lowest initial cost
- Each Legend DSL is individually tested to meet performance specifications
- Unmatched weight, rigidity and strength protect against bearing wear, rotor contact and overall package vibration
- Operating temperatures are up to 15° F cooler compared to leading competitive brands for longer bearing life
- Built under rigid ISO:2015 quality standards
- 18/24 month warranty

DIMENSIONAL DATA | HORIZONTAL CONFIGURATIONS

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3H	71	S	6.75	2.69	2.69	7.75	3.88	5.00	3.50	8.88	11.26	1.25	5.86	12.05	3.50	1.78	1.63	0.19	0.75	0.25	.62 x 1.12
3M	79	S	7.62	3.13	2.69	7.75	3.88	5.00	3.50	8.88	11.26	2.00	6.30	12.92	4.36	1.78	1.63	0.19	0.75	0.25	.62 x 1.12
3L	95	S	10.24	4.44	2.69	7.75	3.88	5.00	3.50	8.88	11.26	2.5	7.61	15.55	7.00	1.78	1.63	0.19	0.75	0.25	.62 x 1.12
4H	98	S	7.25	3	3	8.25	4.19	6.25	4	10.44	12.38	1.5	6.88	13.75	4	2.38	1.81	.19	.875	.38	.5 x .75
4M	117	S	9.5	4.13	3	8.25	4.19	6.25	4	10.44	12.38	2.5	8	16	6.25	2.38	1.81	.19	.875	.38	.5 x .75
4L	142	S	12	5.38	3	8.25	4.19	6.25	4	10.44	12.38	3	9.25	18.5	8.75	2.38	1.81	.19	.875	.38	.5 x .75
5H	196	S	10.88	3.5	3.5	9	5.19	7	5	12.19	15.38	2.5	8.19	16.38	4.88	2.5	2	.25	1.125	.38	.5625 x .75
5M	215	S	12.88	4.5	3.5	9	5.19	7	5	12.19	15.38	4	9.19	18.38	6.88	2.5	2	.25	1.125	.38	.5625 x .75
5L	255	S	16.88	6.5	3.5	9	5.19	7	5	12.19	15.38	4	11.19	22.38	10.88	2.5	2	.25	1.125	.38	.5625 x .75
6H	329	S	9.75	3.94	4	16.5	6.19	8.75	6	14.75	18	3	9.19	18.63	5.75	2.94	2	.31	1.375	.5	.75 x 1
6M	377	S	13	5.56	4	16.5	6.19	8.75	6	14.94	18	5	10.81	21.88	9	2.94	2	.31	1.375	.5	.75 x 1
6L	549	F	20	9.06	4	16.5	7.5	8.75	6	16.25	18	6	14.31	28.88	16	2.94	2	.31	1.375	.5	.75 x 1



LHC
Left hand
(Optional Assembly)



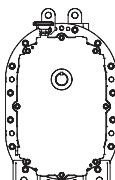
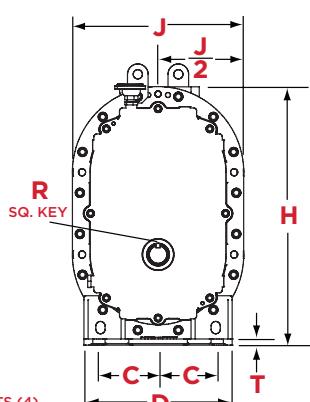
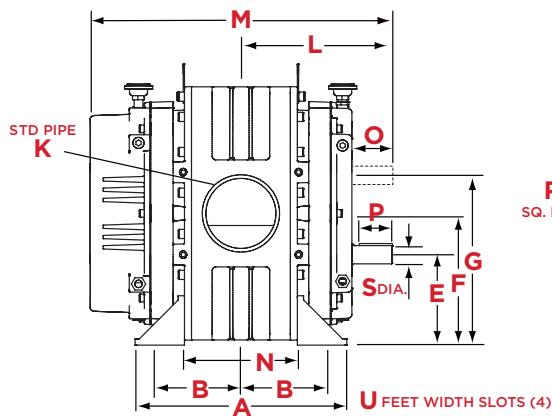
RHC
Right Hand
(Standard Assembly)
Center timed for
rotation in either
direction.

DIMENSIONAL DATA | VERTICAL CONFIGURATIONS

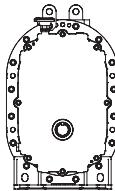
SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3H	71	S	6.75	2.69	2.69	7.75	4.50	6.25	8.00	11.88	7.75	1.25	5.86	12.05	3.5	1.78	1.63	0.19	.75	0.25	.62 x 1.12
3M	79	S	7.62	3.13	2.69	7.75	4.50	6.25	8.00	11.88	7.75	2.00	6.30	12.92	4.36	1.78	1.63	0.19	.75	0.25	.62 x 1.12
3L	95	S	10.24	4.44	2.69	7.75	4.50	6.25	8.00	11.88	7.75	2.50	7.61	15.55	7.00	1.78	1.63	0.19	.75	0.25	.62 x 1.12
4H	98	S	7.25	3	3	8.25	4.5	6.5	8.5	12.69	8.38	1.5	6.88	13.75	4	2.38	1.81	.19	.875	.38	.5 x .75
4M	117	S	9.5	4.13	3	8.25	4.5	6.5	8.5	12.69	8.38	2.5	8	16	6.25	2.38	1.81	.19	.875	.38	.5 x .75
4L	142	S	12	5.38	3	8.25	4.5	6.5	8.5	12.69	8.38	3	9.25	18.5	8.75	2.38	1.81	.19	.875	.38	.5 x .75
5H	196	S	10.88	3.5	3.5	9	5.5	8	10.5	15.88	10.38	2.5	8.19	16.38	4.88	2.5	2	.25	1.125	.38	.5625 x .75
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5L	255	S	16.88	6.5	3.5	9	5.5	8	10.5	15.88	10.38	4	11.19	22.38	10.88	2.5	2	.25	1.125	.38	.5625 x .75
6H	329	S	9.75	3.94	4	10.5	8.75	11.75	14.75	20.75	12	3	9.19	18.63	5.75	2.94	2	.31	1.375	.5	.75 x 1
6M	377	S	13	5.56	4	10.5	8.75	11.75	14.75	20.75	12.38	5	10.81	21.88	9	2.94	2	.31	1.375	.31	.75 x 1
6L	549	F	20	9.06	4	10.5	8.75	11.75	14.75	20.75	15	6	14.31	28.88	16	2.94	2	.31	1.375	.31	.75 x 1

S = Threaded connections standard NPT. F = flange connections. Inlet and outlet connections are the same type and size.

Dimensions are in inches. Weights are in pounds and approximate.



THC
Top Hand
(Optional Assembly)



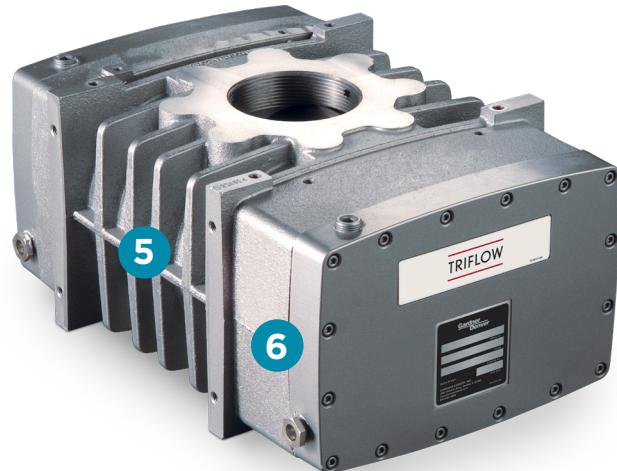
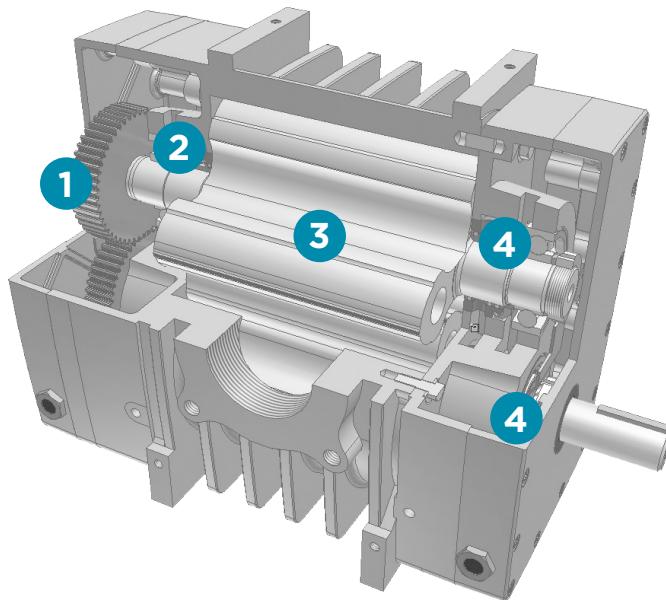
BHC
Bottom Hand
(Standard Assembly)
Center timed for
rotation in either
direction.

TriFlow Industrial Series

TriFlow shown below

Key Features

1. High strength timing gears for longer service life
2. Heavy duty bearings for greater reliability
3. Tri-lobe impeller reduces noise and vibration
4. Piston ring and shaft lip seals prevent oil leakage
5. Large fins provide greater heat dissipation and clearance stability extending operating life
6. Dual splash lubrication for reduced maintenance intervals and superior durability



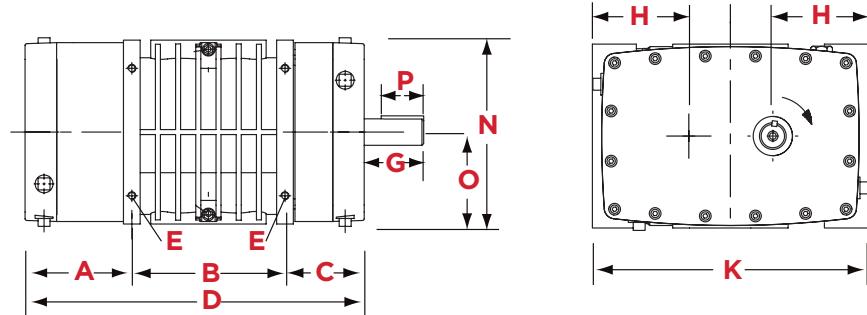
Operation Specifications & Benefits

- Vacuum to 16 inHg
- Airflow to 700 cfm
- Three sizes to fit your needs
- Lower pulsations, quieter operation
- Independent oil sumps prevent cross contamination & allow the vacuum pump to operate safely on an incline when used in carpet cleaning applications
- Integral mounting surfaces for ease of installation
- Inlet and outlet ports include both flange and FNPT connections for ease of plumbing
- 18/24 month warranty

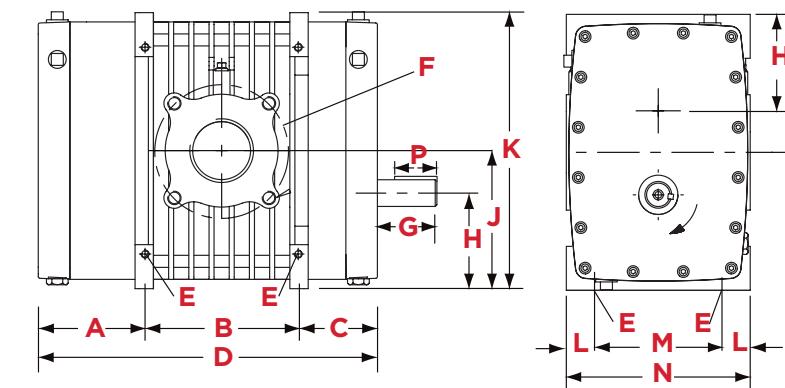
DIMENSIONAL DATA

MODEL	406	408	410
Port Size Conn.	2.5" NPT	3" NPT	4" NPT
Shaft Diam.	1.25	1.25	1.25
WEIGHT	LBS	KG	LBS
	141	64	168
			76
WEIGHT	LBS	KG	KG
	202		92
DIMENSIONS	INCHES	MM	INCHES
A	5.0	127.0	5.0
B	4.7	119.4	7.2
C	4.2	106.7	4.2
D	13.9	353.1	16.4
E	3/8-16 UNC	3/8-16 UNC	3/8-16 UNC
F	5.7	144.8	6.3
G	2.8	71.1	2.8
H	4.5	114.3	4.5
J	6.5	165.1	6.5
K	13.0	330.2	13.0
L	1.33	33.8	1.33
M	6.0	152.4	6.0
N	8.66	220.0	8.66
O	4.33	110.0	4.33
P	2.0	50.8	2.0
			50.8

HORIZONTAL CONFIGURATION



VERTICAL CONFIGURATION

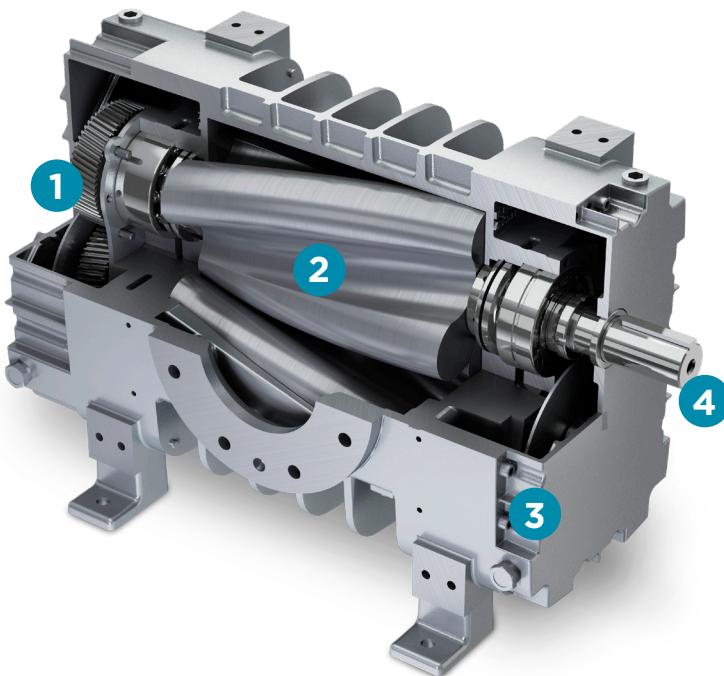


HeliFlow Industrial Series

HeliFlow HF 514 shown below

Key Features

1. Refined timing and gear locking device
2. Twisted tri-lobe helical rotor reduces pulsations and noise
3. Dual splash lubrication for reduced maintenance intervals
4. Large diameter shaft provides superior overhung load capacity



406 & 408 DIMENSIONAL DATA

MODEL	WEIGHT	SHAFT DIAM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
HF 406	173	1.25	13.0	6.5	6.0	16.27	5.5	4.71	2.36	6.53	2.8	8.66	5.39	9.76	4.33	4.5	0.25 x 0.25 x 2.0
HF 408	201	1.25	13.0	6.5	6.0	18.77	7.94	7.21	3.61	6.53	2.8	8.66	6.36	9.76	4.33	4.5	0.25 x 0.25 x 2.0

Dimensions shown in inches. Weights are in pounds and approximate (packaging materials included).

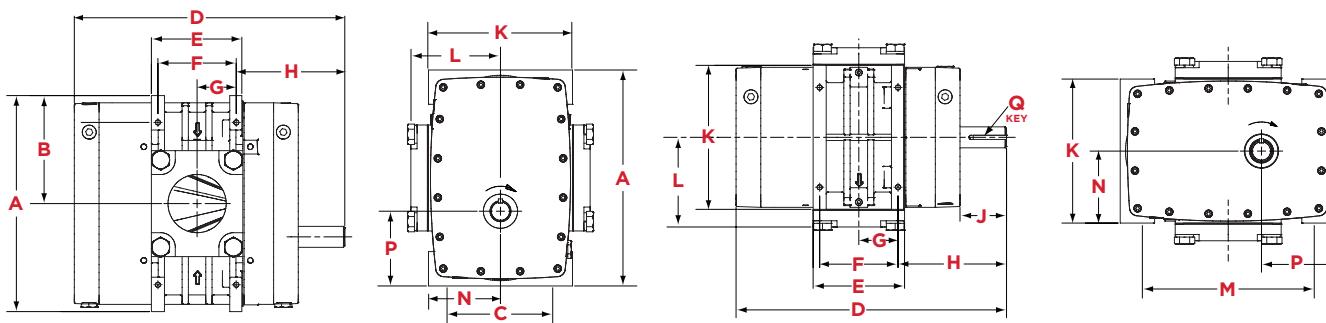
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Dimensions for installation purposes provided upon request.

406 = 3" NPT Flange, 408 = 4" NPT Flange; Mounting holes 3/8-16 UNC



REDUCED PULSE = LOWER NOISE =
QUIETER OPERATION

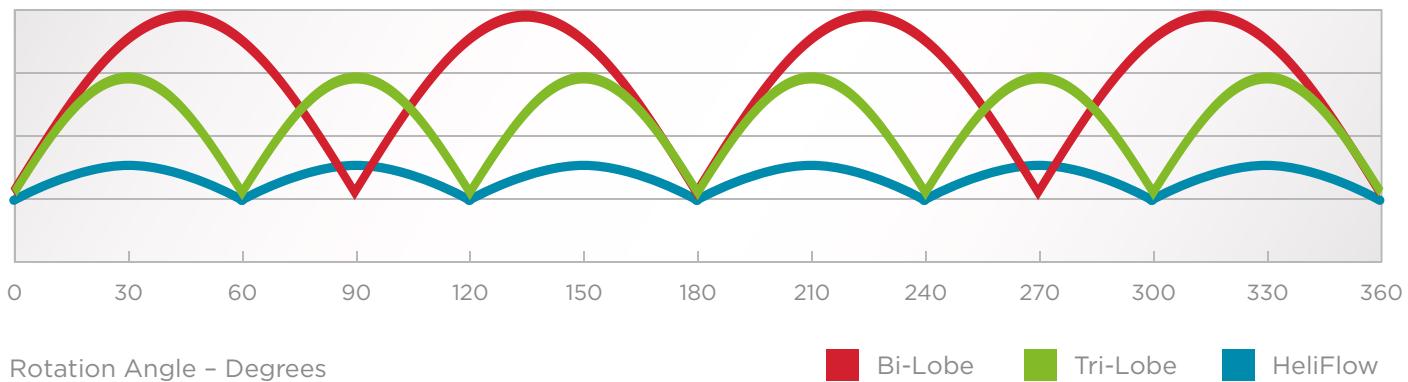
Operation Specifications & Benefits

- Pressure to 15 psig
- Vacuum to 16 inHg
- Airflow to 3200 cfm
- 18/24 month warranty

- HeliFlow provides the lowest pressure pulse in the lobe blower market and reduces noise levels by 4-7 dBA over similar sized, straight-lobe blowers

- Helical alloy steel timing gears, featured on 5" & 6" models provide quiet and smooth mechanical operation at all speeds

CHANGE IN PRESSURE PULSE



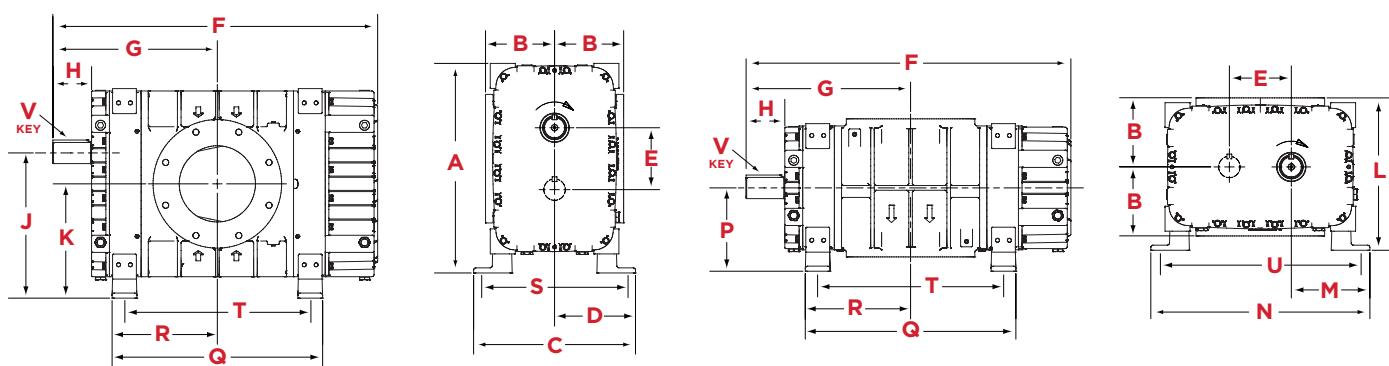
412 DIMENSIONAL DATA

MODEL	WEIGHT	SHAFT DIAM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
HF 412	291	1.5	13.32	4.81	9.62	4.81	4	23.98	13.29	3.89	8.66	6.66	9.62	4.66	13.32	4.81	13.32	6	7	10.75	11	.375 x .375 x 3.50

Dimensions shown in inches. Weights are in pounds and approximate. Dimensions for installation purposes provided upon request.

Hold down bolt hole diameter = .59"

412 = 6" Flange



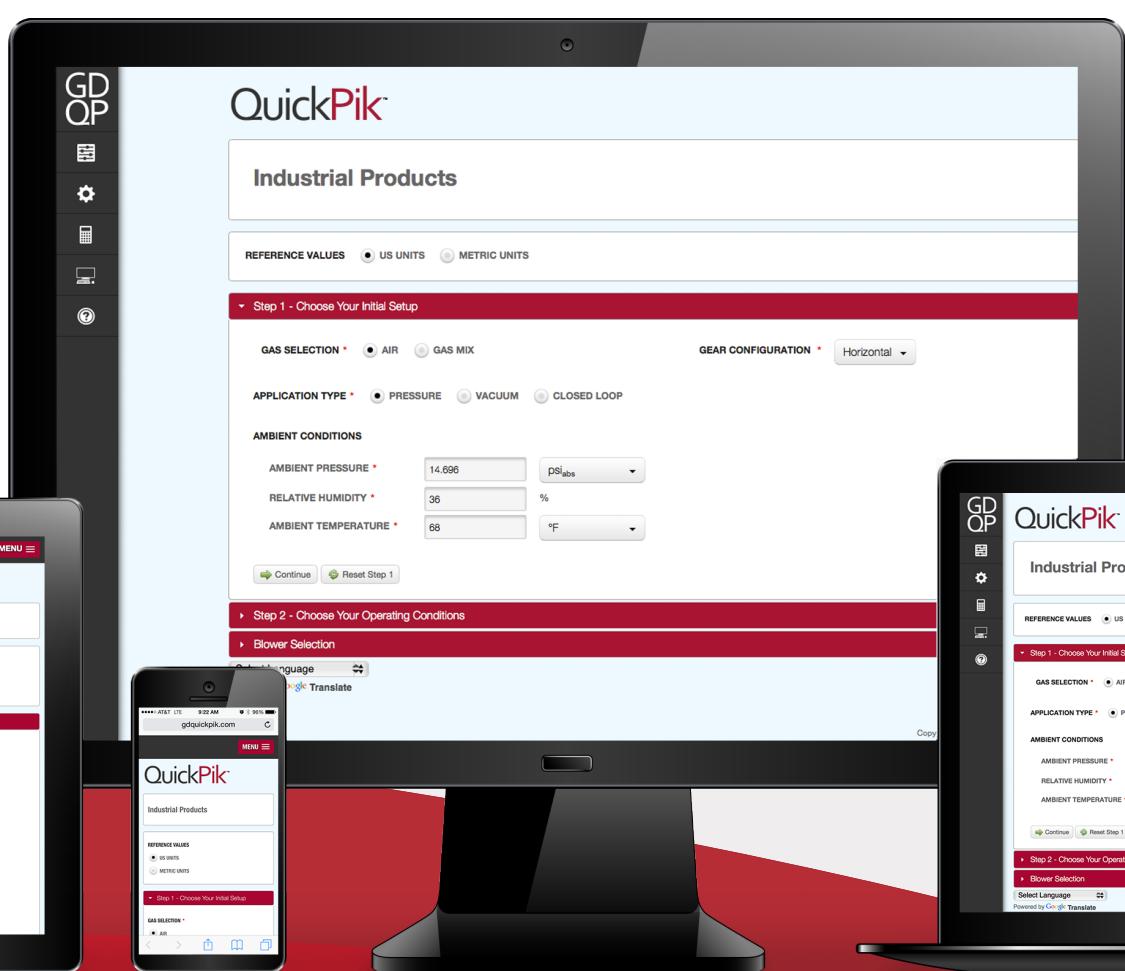
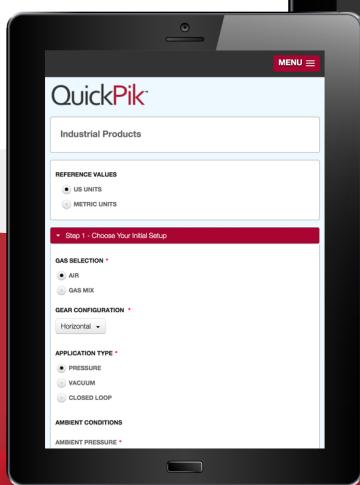
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CycloBlower - 5CDL9

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Product Information

ORIGINAL UNITS

CONFIGURATIONS	FLOW ICFM	SPEED RPM	RPM % OF MAX	POWER HP	TEMP °F	NOISE DBA	TEMP % OF MAX
Original	500	3536	71	30.0	194	87	55
Current	500	3536	71	30.0	194	87	55

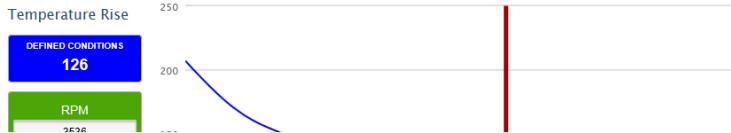
ENGLISH UNITS

CONFIGURATIONS	FLOW ICFM	SPEED RPM	RPM % OF MAX	POWER HP	TEMP °F	NOISE DBA	TEMP % OF MAX
Original	500	3536	71	30.0	194	87	55
Current	500	3536	71	30.0	194	87	55

METRIC UNITS

CONFIGURATIONS	FLOW M/H	SPEED RPM	RPM % OF MAX	POWER KW	TEMP °C	NOISE DBA	TEMP % OF MAX
Original	850	3536	71	22.4	90	87	55
Current	850	3536	71	22.4	90	87	55

Performance Curves



Comparison

			
PRODUCT	CycloBlower - 5CDL9	Sutorbilt Legend - 7H	HellFlow - 412
FLOW ICFM	500	500	500
SPEED RPM	3536	1669	2541
RPM % OF MAX	71	82	56
POWER HP	30	31	32
DISCHARGE TEMP °F	194	201	214
NOISE DBA	87	92	82
DISCHARGE TEMP % OF MAX	55	59	61
PRESSURE % OF MAX	52	70	70

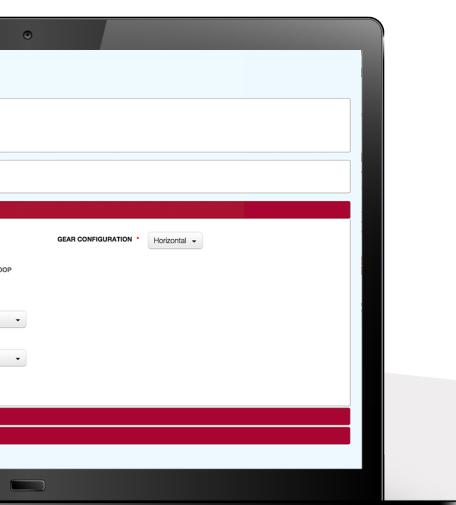
[View](#)

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Sizing Made Simple

- Accessible information at your fingertips
- Compare & contrast blowers
- Fit technology to your exact needs
- Mobile-friendly design for your laptop, tablet & phone
- Will work off-line
- Set up and customize your profile
- Save selections for future reference



Genuine Gardner Denver Parts & Lubricants

- Maintain the Gardner Denver performance advantage and reliability with Genuine GD Replacement Parts available through authorized sales and service representatives
- Protect your Gardner Denver investment with AEON® PD, the only lubricant specially formulated for all blowers in any environment
- Available for standard, food grade and extreme duty applications



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