



3-5" POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

Sutorbilt[®] LEGEND[®] Tri-lobe Series



It's all about...

Inspiring Progress

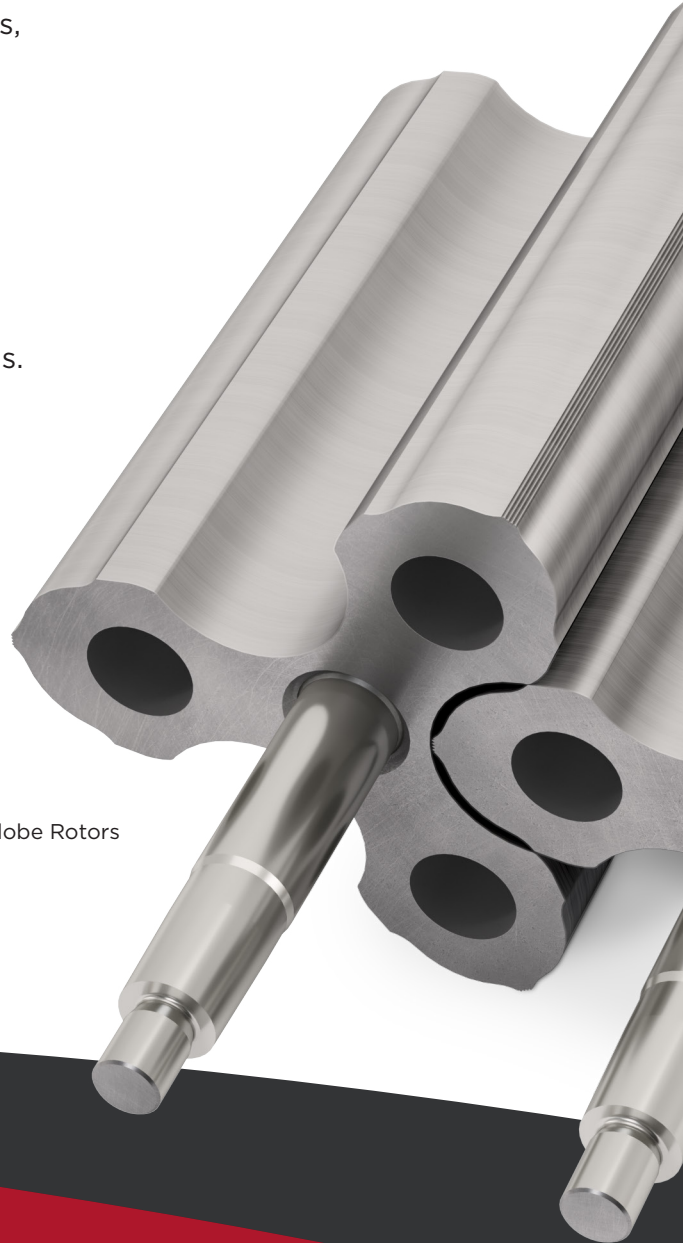
Gardner Denver continues to lead the industry in new product development and innovation. Our new Legend Tri-Lobe combines reliable Sutorbilt performance with improved noise levels. With over 150 years of proven results, we're your trusted partner for industrial applications.

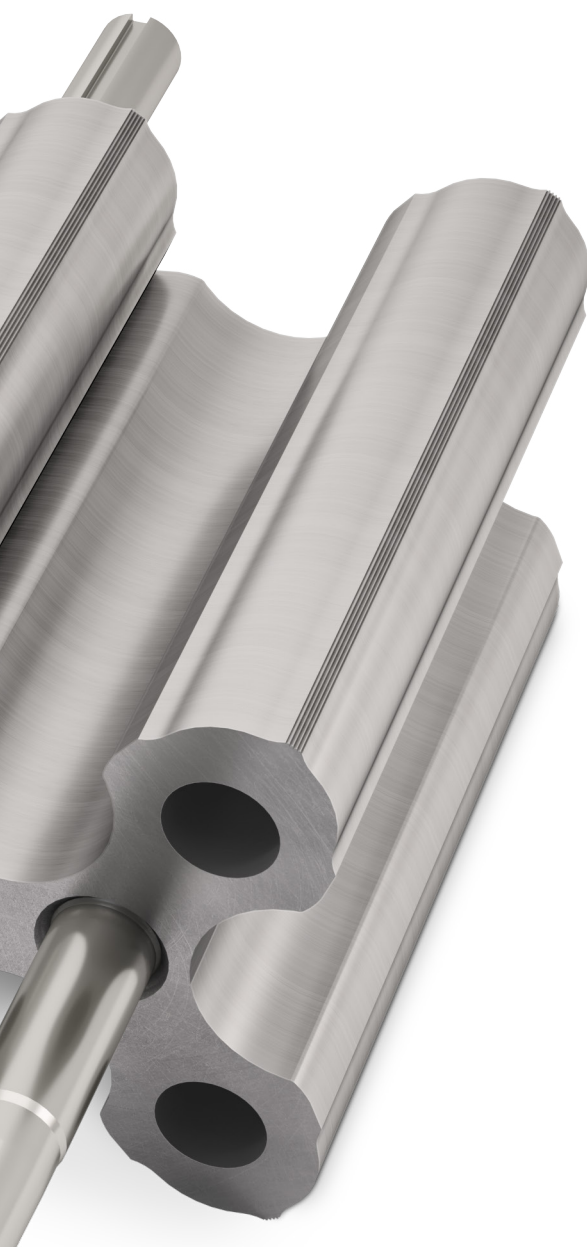
At the heart of every design is a Legend®.

Engineered for a wide range of applications, the Legend Tri-lobe is the choice of leading Original Equipment Manufacturers (OEMs). Assembled in the USA and backed by a network of experienced sales and service professionals.

- Pressure to 13 psig
- Vacuum to 15" Hg
- Airflow to 972 cfm
- Rigorously tested to meet high performance standards in the harshest environments
- Available in both Grease/Splash Lubricated and Dual Splash Lubrication models
- Legendary Warranty
 - 18 months from date of shipment or
 - 24 months from date of install, whichever occurs first

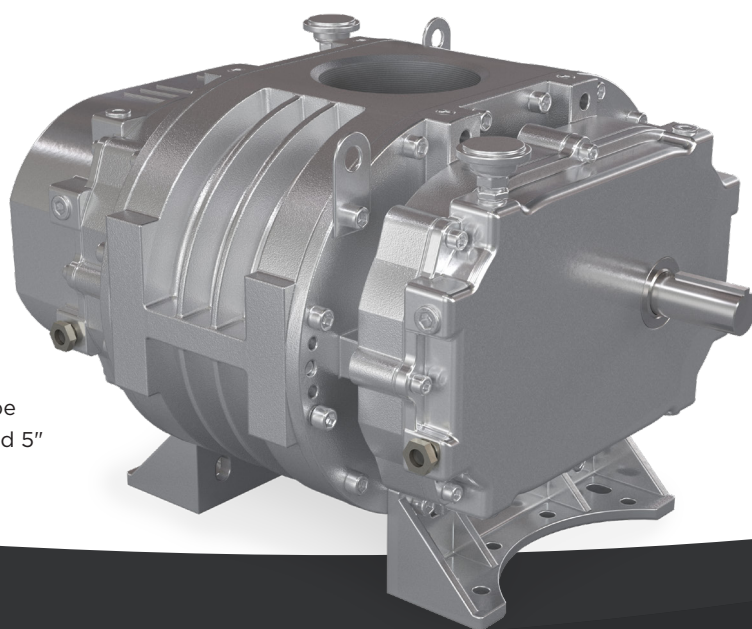
Tri-lobe Rotors





INDUSTRY	APPLICATION
Aquaculture	Aeration
Cement & Lime	Fluidization & Conveying
Chemical	Vacuum Processing & Conveying
Coal Bed/Landfill	Methane Gas Recovery
Dairy	Automated Milking
Dry Bulk Hauling	Trailer Unloading & Aeration
Environmental Services	Sewer Cleaning & Portable Restroom Services
Industrial	Material Vacuuming
Milling & Baking	Blending & Conveying
Oil & Gas	Gas Collection & Sparging
Power Generation	Fly Ash Conveying & Aeration
Process Gas	Gas Boosting
Pulp & Paper	Chip Conveying & Process Vacuum
Resin & Plastic	Processing & Conveying
Soil Remediation	Vacuum Extraction & Sparging
Vacuum Excavation	Potholing & Slurry Recovery
Wastewater	Aeration & Backwashing

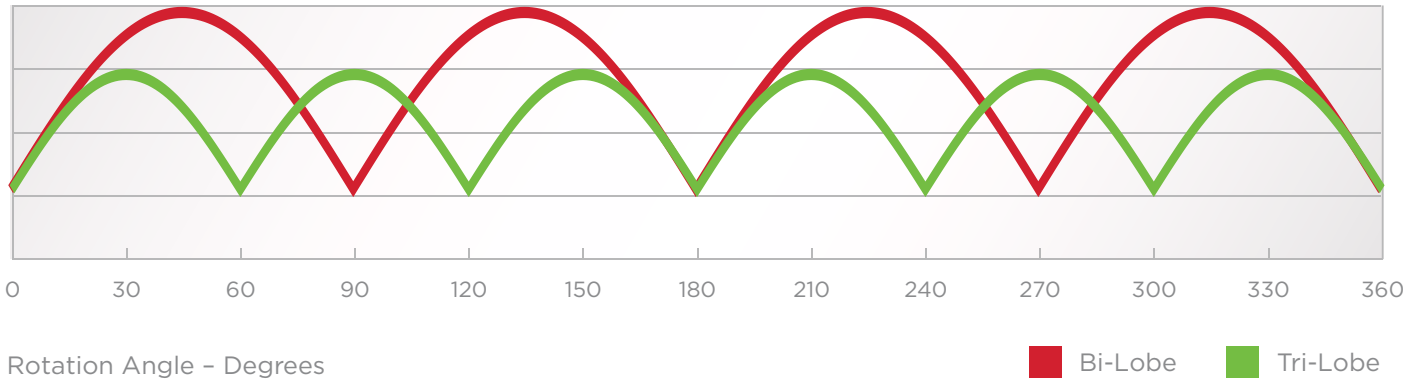
Tri-lobe
Legend 5"



It's all about...

Reduced Pulsation

REDUCED PULSE = LOWER NOISE LEVELS = INCREASED EFFICIENCY



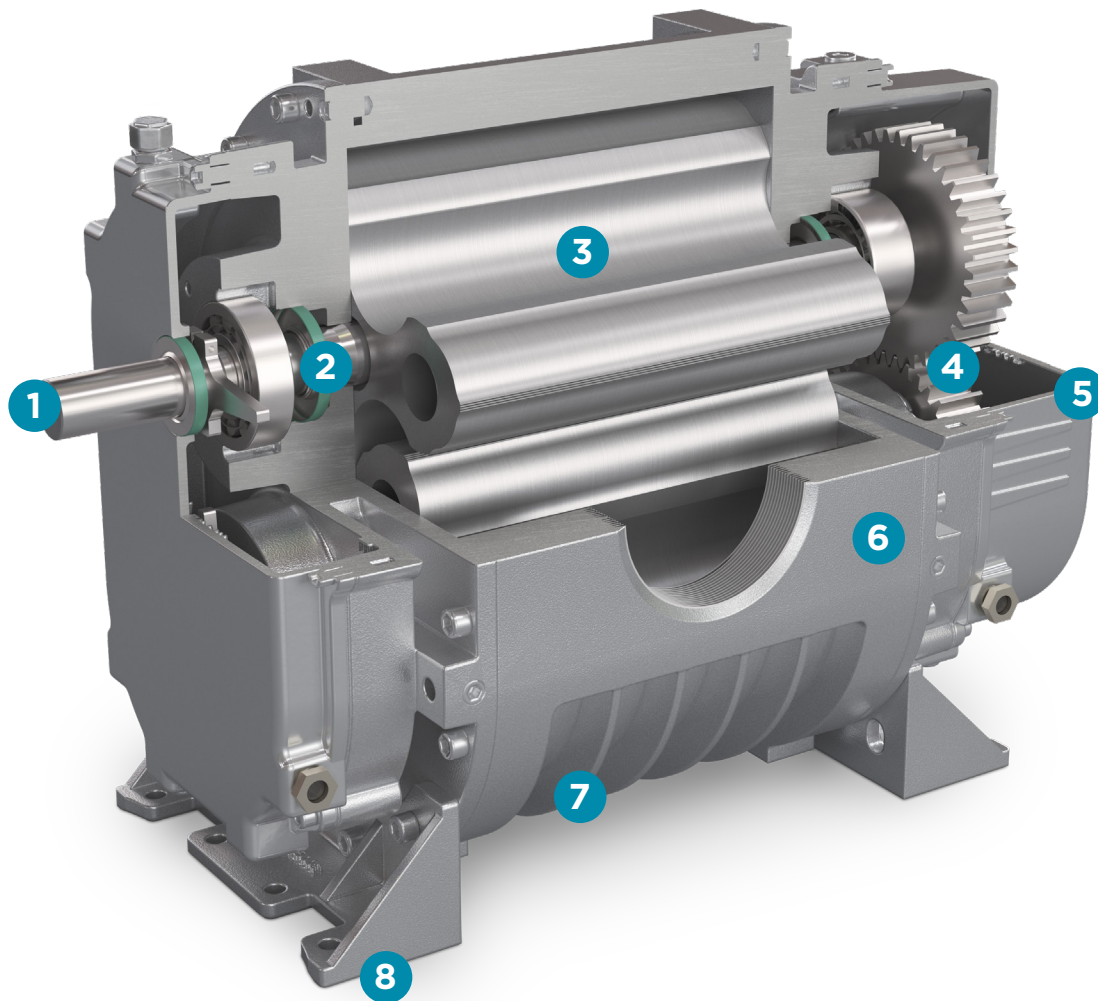
Lower Noise

Discharge pulsation is the chief contributor to high noise levels. The tri-lobe rotor profile provides a lower pressure pulse compared to similar sized bi-lobe blowers, reducing overall noise levels.

Tri-lobe rotor profiling offers more consistent flow variation and smoother rate of transfer, reducing the potential for damage to downstream instrumentation.

Preserve your environment

Protect your WORKFORCE



Key Features

- 1.** High strength drive shaft allows for overhung load capabilities
- 2.** High temperature Viton Oil Seals to maximize seal life in continuous, severe-duty applications*
- 3.** Tri-lobe impeller design for reduced pulsation noise levels
- 4.** Anti-friction bearings for increased blower life and added overhung load capacity
- 5.** Large sump capacity for cooler running bearings
- 6.** Single piece cylinder for greater strength and rigidity
- 7.** Integral ribs for improved heat dissipation
- 8.** Universal feet for flexible installation

Sutorbilt Legend Pressure Performance Data

	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	2 PSIG		3 PSIG		4 PSIG		5 PSIG		6 PSIG		7 PSIG	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
LOW PRESSURE UNITS	3LS 3LVS	2½"-S	0.109	1760	150	2.1	143	2.9	137	3.7	131	4.5	125	5.3	120	6.1
				2265	202	2.9	195	4.0	189	5.0	183	6.1	177	7.1	173	8.1
				2770	252	4.1	245	5.3	239	6.6	234	7.8	229	9.1	224	10.3
				3600	331	6.4	325	8.0	320	9.7	315	11.3	310	12.9	306	14.5
				4000	368	7.7	363	9.5	357	11.4	352	13.2	348	15.0	344	16.8
	4LS 4LVS	3"-S	0.178	1760	250	3.2	241	4.5	232	5.9	224	7.2	216	8.5	208	9.8
				2190	322	4.3	313	6.0	304	7.7	296	9.3	288	11.0	281	12.6
				2620	393	5.8	384	7.8	376	9.8	368	11.8	360	13.8	353	15.7
				3600	549	10.1	540	12.9	533	15.7	525	18.4	518	21.2	512	23.9
				4000	610	12.3	602	15.4	595	18.5	587	21.6	581	24.6	574	27.6
	5LS 5LVS	4"-S	0.350	1500	430	5.3	419	7.6	407	9.9	396	12.1	386	14.3	375	16.5
				1760	515	6.8	504	9.5	492	12.1	481	14.8	471	17.3	460	19.9
				2100	625	9.1	614	12.3	602	15.5	591	18.6	580	21.7	569	24.7
				2850	863	15.9	851	20.2	840	24.5	828	28.7	817	32.9	806	37.1
				3200	972	19.8	960	24.6	948	29.4	936	34.1	925	38.9	914	43.6

	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	7 PSIG		9 PSIG		10 PSIG		12 PSIG		13 PSIG		14 PSIG	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
MEDIUM PRESSURE UNITS	3MS 3MVS	2"-S	0.063	1760	60.3	3.6	53.4	4.5	50.3	4.9	-	-	-	-	-	-
				2265	89.7	4.7	82.4	5.9	79.2	6.5	-	-	-	-	-	-
				2770	118	6	111	7.4	107.4	8.1	101.2	9.6	-	-	-	-
				3600	164	8.4	156	10	153	11	146	13	-	-	-	-
				4000	186	9.6	178	12	174	13	167	15	-	-	-	-
	4MS 4MVS	2½"-S	0.122	1760	145	6.9	136	8.7	131.9	9.6	9.6	-	-	-	-	-
				2190	194	8.8	185	11	181	12	12.2	-	-	-	-	-
				2620	242	11	233	14	229	15	14.9	-	-	-	-	-
				3600	350	16	342	20	337	22	21.8	-	-	-	-	-
				4000	394	19	385	23	381	25	24.8	-	-	-	-	-
	5MS 5MVS	4"-S	0.120	1500	215	9.9	201	13	194	14	181	16	-	-	-	-
				1760	265	12	251	15	245	17	232	20	226	21	-	-
				2100	332	15	318	18	312	20	299	24	293	26	-	-
				2850	479	22	466	27	460	30	448	35	443	37	-	-
				3200	549	26	536	32	530	34	518	40	513	43	-	-

Performance based on inlet air at standard temperature of 68° F, an ambient pressure of 14.7 psia and 36% relative humidity. For performance at non-standard conditions, contact your authorized Gardner Denver representative. S=Screwed connections std. NPT. F=flange connections. Intake and outlet pipe connections are same type and size.

Sutorbilt Legend Vacuum Performance Data

	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	2 inHg		4 inHg		8 inHg		10 inHg		12 inHg		14 inHg	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
LOW PRESSURE UNITS	3LS 3LVS	2½"-S	0.109	1760	156	1.4	149	2.1	132	3.6	122	4.4	112	5.1	-	-
				2265	208	2.1	200	3	184	4.8	174	5.8	164	6.7	-	-
				2770	258	3.1	251	4	235	6.1	225	7.3	215	8.4	204	9.5
				3600	338	4.9	331	6	315	8.6	306	10	296	12	285	13
				4000	375	5.9	369	7.1	353	10	344	12	333	13	323	15
	4LS 4LVS	3"-S	0.178	1760	261	1.9	251	3.1	226	5.8	212	7.1	197	8.3	-	-
				2190	333	2.9	322	4.3	298	7.4	284	8.9	269	10	253	12
				2620	404	4.2	393	5.7	369	9.2	355	11	340	13	324	14
				3600	560	7.7	550	9.6	526	14	512	16	497	19	481	22
				4000	622	9.4	612	12	588	16	574	19	559	22	544	25
	5LS 5LVS	4"-S	0.350	1500	433	3.4	420	5.4	391	9.6	373	12	352	14	-	-
				1760	518	4.8	505	6.9	476	12	458	14	437	16	414	18
				2100	628	6.8	615	9.2	586	15	568	17	547	20	524	23
				2850	864	12	852	15	822	22	805	26	785	30	762	34
				3200	972	16	960	19	930	26	913	30	893	35	870	40

	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	6 inHg		10 inHg		12 inHg		14 inHg		15 inHg		16 inHg	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
MEDIUM PRESSURE UNITS	3MS 3MVS	2"-S	0.063	1760	75	1.7	61	2.6	53.1	3	-	-	-	-	-	-
				2265	104	2.3	90.2	3.4	82.1	3.9	73.6	4.3	-	-	-	-
				2770	133	2.9	119	4.3	111	4.9	102	5.5	-	-	-	-
				3600	180	4.3	165	5.9	157	6.8	148	7.6	143	7.9	-	-
				4000	202	5	187	6.8	178	7.7	169	8.7	164	9.1	-	-
	4MS 4MVS	2½"-S	0.122	1760	166	3.2	148	5	138	5.9	126	6.5	-	-	-	-
				2190	215	4.2	198	6.4	187	7.4	175	8.3	-	-	-	-
				2620	263	5.3	246	7.8	236	9	224	10	-	-	-	-
				3600	370	8.1	353	11	342	13	330	15	324	16	-	-
				4000	413	9.4	395	13	385	15	373	17	366	18	-	-
	5MS 5MVS	4"-S	0.210	1500	242	4.5	216	7.2	201	8.4	184	9.3	-	-	-	-
				1760	292	5.5	267	8.6	252	10	235	11	-	-	-	-
				2100	358	7	333	11	319	12	303	14	294	14	-	-
				2850	502	11	479	15	466	18	451	20	443	21	-	-
				3200	570	13	547	18	534	20	520	23	512	25	-	-

Performance based on inlet air at standard temperature of 68° F, an ambient pressure of 14.7 psia and 36% relative humidity. For performance at non-standard conditions, contact your authorized Gardner Denver representative. S=Screwed connections std. NPT. F=flange connections. Intake and outlet pipe connections are same type and size.

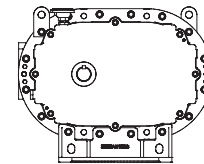
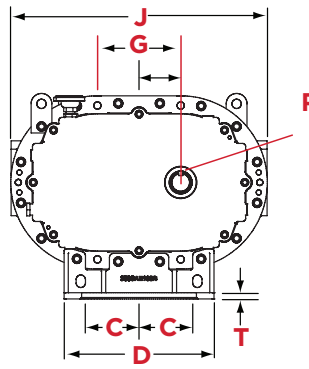
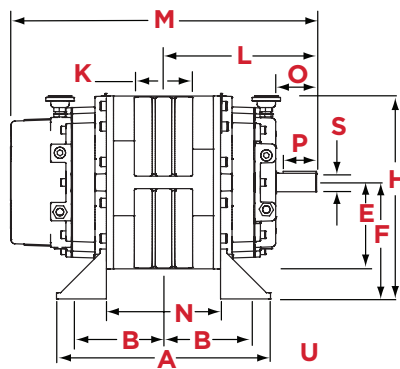
DIMENSIONAL DATA | HORIZONTAL CONFIGURATIONS | DSL

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3M	85	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	0.750	0.25	0.62 x 1.12
3L	104	S	10.24	4.44	2.69	7.75	3.88	5.00	3.50	8.88	11.26	2.50	7.61	15.55	7.00	1.78	1.63	0.19	0.750	0.25	0.62 x 1.13
4M	125	S	9.50	4.13	3.00	8.25	4.19	6.25	4.00	10.44	12.38	2.50	8.00	16.00	6.25	2.38	1.81	0.19	0.875	0.38	0.5 x 0.75
4L	150	S	12.00	5.38	3.00	8.25	4.19	6.25	4.00	10.44	12.38	3.00	9.25	18.50	8.75	2.39	1.62	0.19	0.875	0.38	0.5 x 0.75
5M	220	S	12.88	4.50	3.50	9.00	5.19	7.00	5.00	12.19	15.38	4.00	9.19	18.38	6.88	2.50	2.00	0.25	1.125	0.38	0.5625 x 0.75
5L	280	S	16.88	6.50	3.50	9.00	5.19	7.00	5.00	12.19	15.38	4.00	11.19	22.38	10.88	2.50	2.00	0.25	1.125	0.38	0.5625 x 0.75

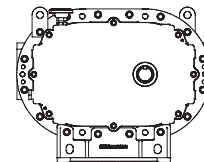
DIMENSIONAL DATA | HORIZONTAL CONFIGURATIONS | GREASE/SPLASH LUBRICATED

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3M	85	S	7.62	3.13	2.68	7.75	3.88	5.00	3.50	8.88	11.26	2.00	6.30	12.92	4.38	2.05	1.62	0.19	0.750	0.25	0.62 x 1.12
3L	104	S	10.25	4.44	2.68	7.75	3.88	5.00	3.50	8.88	11.26	2.50	7.61	15.55	7.00	2.05	1.62	0.19	0.750	0.25	0.62 x 1.13
4M	125	S	9.49	4.13	3.00	8.25	4.19	6.25	4.00	10.44	12.38	2.50	8.04	15.99	6.26	2.39	1.62	0.19	0.875	0.38	0.5 x 0.75
4L	150	S	11.99	5.38	3.00	8.25	4.19	6.25	4.00	10.44	12.38	3.00	9.29	18.49	8.76	2.39	1.62	0.19	0.875	0.38	0.5 x 0.75
5M	220	S	12.85	4.50	3.50	9.00	5.19	7.00	5.00	12.19	15.38	4.00	9.19	18.38	6.86	2.50	2.00	0.25	1.125	0.38	0.56 x 0.75
5L	280	S	16.85	6.50	3.50	9.00	5.19	7.00	5.00	12.19	15.38	4.00	11.19	22.38	10.86	2.50	2.00	0.25	1.125	0.38	0.56 x 0.75

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 include shipping cartons or pallets and are approximate.



LHC
Left hand
(Optional Assembly)



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

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



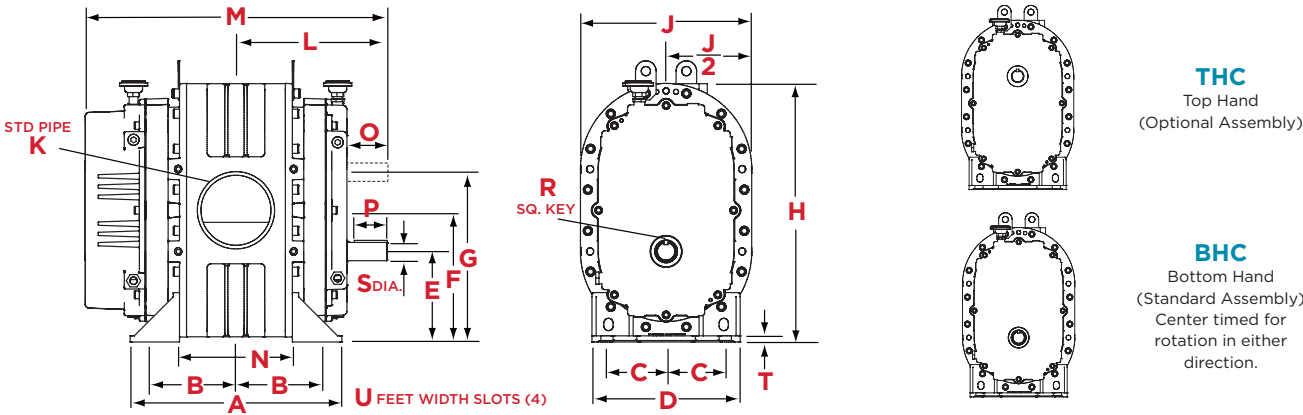
DIMENSIONAL DATA | VERTICAL CONFIGURATIONS | DSL

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3M	85	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	0.750	0.25	0.62 x 1.12
3L	104	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	0.750	0.25	0.62 x 1.13
4M	125	S	9.50	4.13	3.00	8.25	4.50	6.50	8.50	12.69	8.38	2.50	8.00	16.00	6.25	2.38	1.81	0.19	0.875	0.38	0.5 x 0.75
4L	150	S	12.00	5.38	3.00	8.25	4.50	6.50	8.50	12.69	8.38	3.00	9.25	18.50	8.75	2.39	1.81	0.19	0.875	0.38	0.5 x 0.75
5M	220	S	12.88	4.50	3.50	9.00	5.50	8.00	10.50	15.88	10.38	4.00	9.19	18.38	6.88	2.50	2.00	0.25	1.125	0.38	0.5625 x 0.75
5L	280	S	16.88	6.50	3.50	9.00	5.50	8.00	10.50	15.88	10.38	4.00	11.19	22.38	10.88	2.50	2.00	0.25	1.125	0.38	0.5625 x 0.75

DIMENSIONAL DATA | VERTICAL CONFIGURATIONS | GREASE/SPLASH LUBRICATED

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
3M	85	S	7.62	3.13	2.68	7.75	4.50	6.25	8.00	11.88	7.76	2.00	6.30	12.92	4.36	2.05	1.62	0.19	0.750	0.25	0.62 x 1.12
3L	104	S	10.25	4.44	2.68	7.75	4.50	6.25	8.00	11.88	11.26	2.50	7.61	15.55	7.00	2.05	1.62	0.19	0.750	0.25	0.62 x 1.13
4M	125	S	9.49	4.13	3.00	8.25	4.50	6.50	8.50	12.69	8.40	2.50	8.04	15.99	6.26	2.39	1.62	0.19	0.875	0.38	0.5 x 0.75
4L	150	S	11.99	5.38	3.00	8.25	4.50	6.50	8.50	12.69	8.40	3.00	9.29	18.49	8.76	2.39	1.62	0.19	0.875	0.38	0.5 x 0.75
5M	220	S	12.85	4.35	3.50	9.00	5.50	8.00	10.50	15.85	10.38	4.00	9.19	18.38	6.86	2.50	2.00	0.25	1.125	0.38	0.56 x 0.75
5L	280	S	16.85	6.50	3.50	9.00	5.50	8.00	10.50	15.85	10.38	4.00	11.19	22.38	10.86	2.50	2.00	0.25	1.125	0.38	0.56 x 0.75

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 include shipping cartons or pallets and are approximate.



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