



TUTHILL ASIA-PACIFIC

EXCELLENCE IN BLOWER TECHNOLOGY

TUTHILL CORPORATION - A BRIEF OUTLOOK

Tuthill Corporation is a global manufacturer of highly reliable products used in a variety of industrial markets. It was founded in 1892 by James B. Tuthill in Chicago and has remained a family-owned company whilst growing to its current worldwide presence. It now has more than 2000 employees dedicated to serve the best value-minded customers, anywhere on the planet.

An entrepreneurial spirit and insightful leadership provided by four generations of Tuthill family management has driven Tuthill Corporation's growth from a small Chicago based industrial company to a worldwide enterprise with operations on five continents.

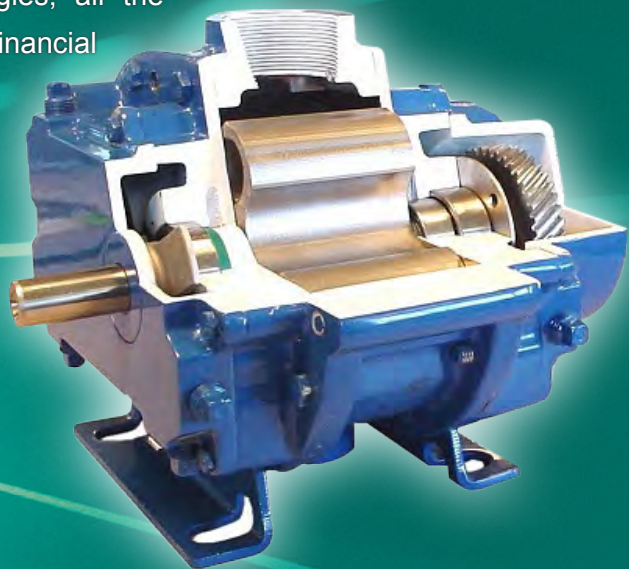


TUTHILL CORPORATION - A BRIEF OUTLOOK



Tuthill Corporation headquarters based in Chicago

Today, Tuthill Corporation is strongly influenced by the voice of its customers which lead us to better meet global requirements, build employee capabilities and pursue innovative growth strategies, all the while improving the financial performance and health of the company.



FEATURES OF THE COMETITOR SL BLOWER RANGE

Connection ports are either BSP threads or Din 10 flanges depending on model.

Tuthill noise reduction housing/rotor combination is standard.

Blowers are timed with hardened, precision helical gears, keyed to the rotor shafts, not taper fit spur gears offered by other manufacturers which have greater backlash, and can slip and lose timing. Helical gears are also quieter, further reducing mechanical noise.

Splash lubrication on both gear and drive ends for better heat dissipation and longer mechanical seal life.

End cover design improves lubrication to bearings and seals.

Drive shaft is supported by cylindrical roller bearing for greater overhung load capacity.

Double row ball bearings on gear end of every model.

Metric drive shaft for all models.

Viton lip seal and teflon labyrinth seal for elevated temperature operation.

Drive shaft surface in contact with seal is polished to reduce seal wear and risk of leakage.

End clearances are positively established at the blower gear end, eliminating the risk of shifting end clearances when installing or removing drive components. This also eliminates the need for those special fork and saddle tools required by other brands to reset end clearances.

Blower can be mounted either horizontally or vertically with the same feet.

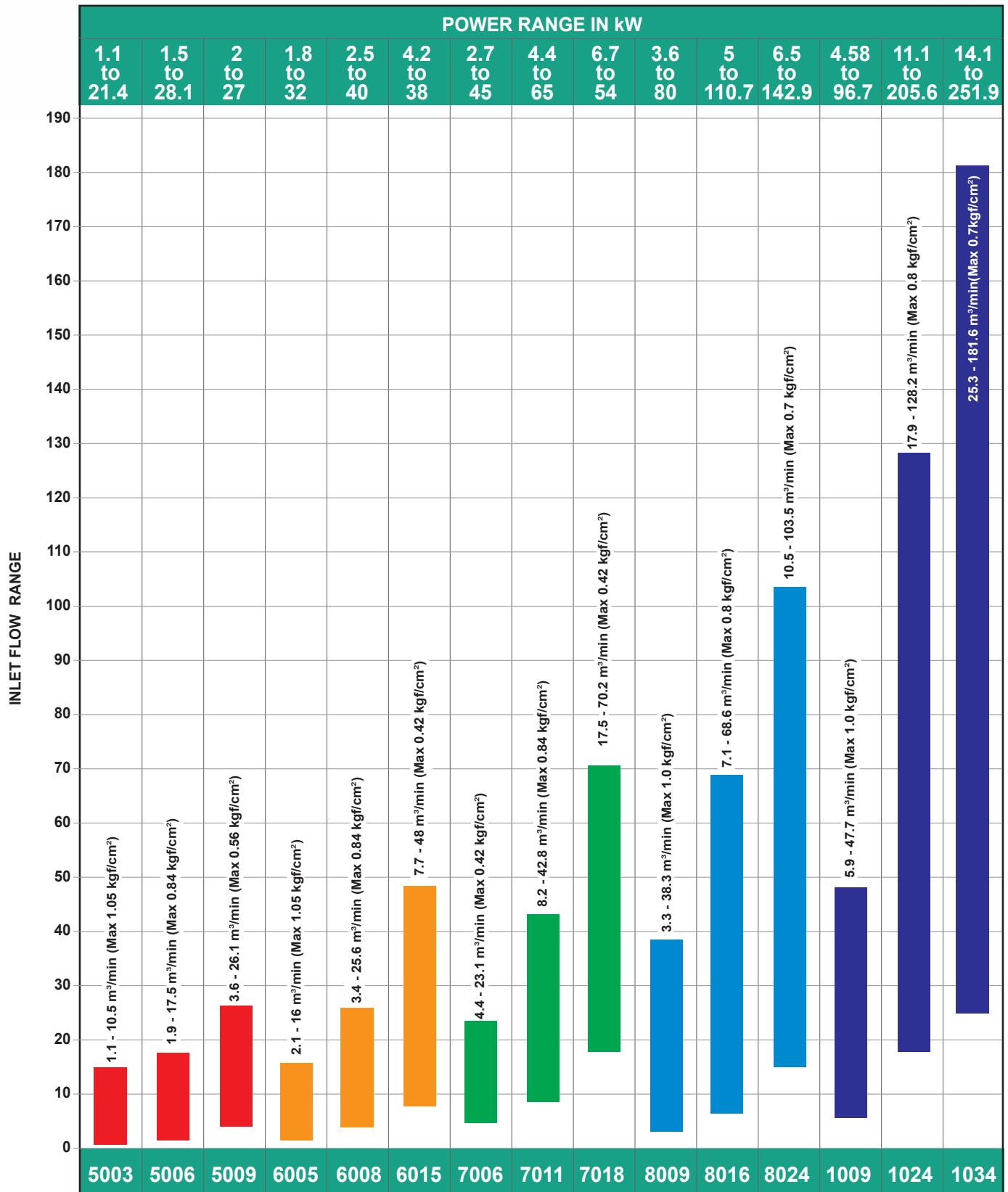
Precision machined ductile iron rotors with large, integrally cast shafts, not press fit and/or pinned shafts offered by other manufacturers, which can loosen over time and cause rotor clash. All rotors are dynamically balanced for vibration-free rotation.

Impeller cores have straight-through cores to reduce risk of loss and balance due to liquid entrapment.

WARRANTY

Every blower is backed by Tuthill limited warranty for a period of 18 months after installation or 2 years after original blower shipment, whichever occurs first.

PERFORMANCE DATA

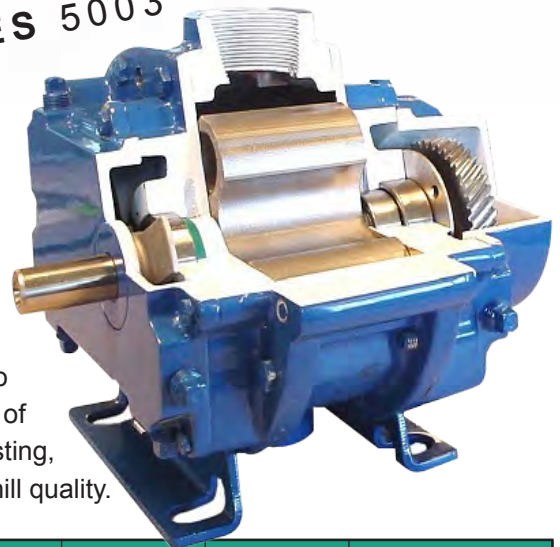


Performance data is based on air inlet conditions of 101.3kPa(a) and 20°C. In conjunction with our program of continuous testing and upgrading, all specifications are subject to change without notice. All data is approximate. Always request confirmation for your specific application.

COMPETITOR SL SERIES 5003 - 7018



COMPETITOR SL blowers include splash oil lubrication at both the gear end and drive end of the blower. Splash lubrication provides for longer bearing life by better dissipating heat.

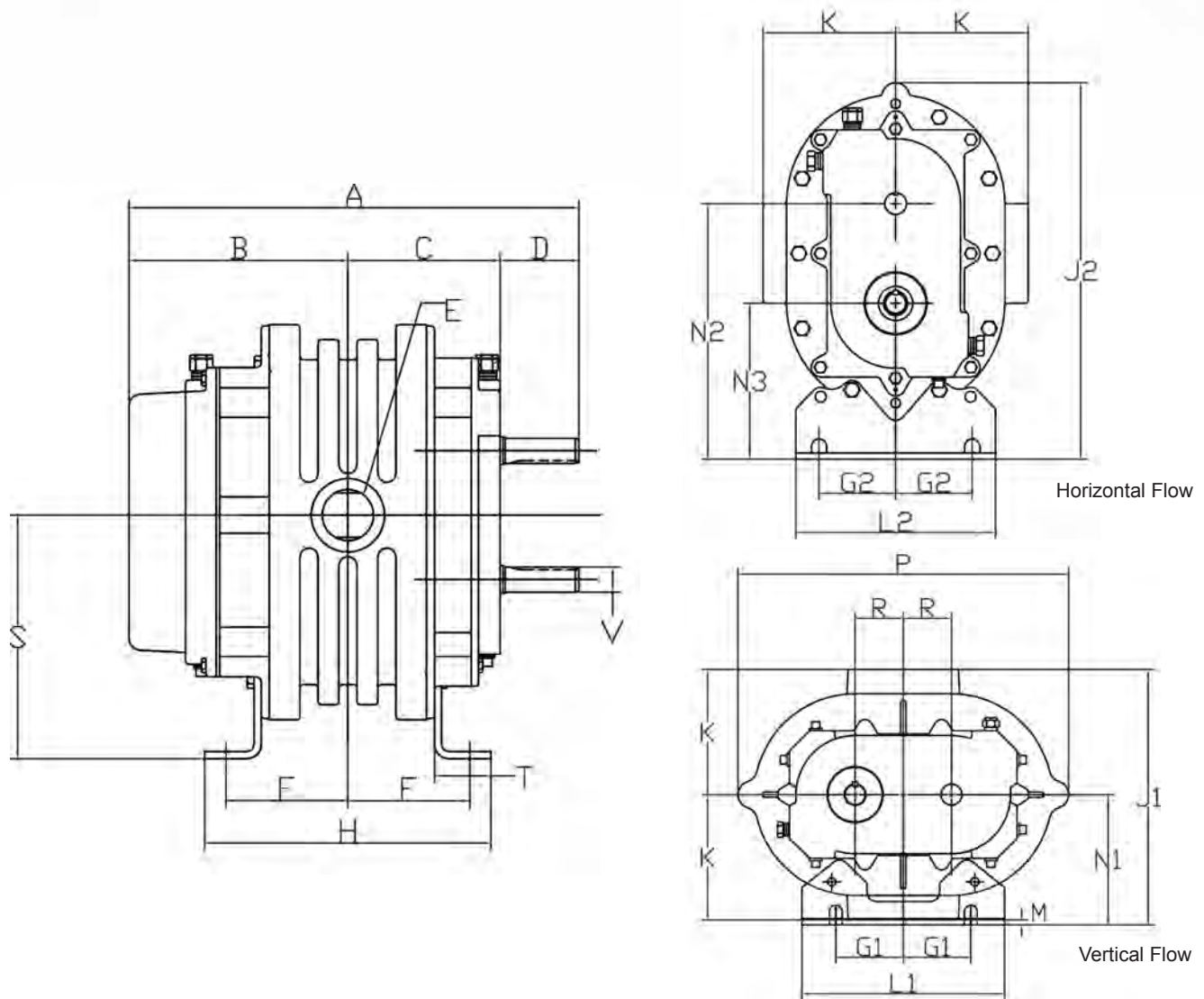


COMPETITOR SL blowers include tri-lobe rotors specially designed for maximum displacement and special porting on the discharge side to significantly reduce noise. Every blower is factory tested to assure you of the highest quality. While some manufacturers perform only sample testing, Tuthill goes the distance to insure that your blower meets our rigid Tuthill quality.

Model	Speed RPM	0.14 kgf/cm ²		0.28 kgf/cm ²		0.42 kgf/cm ²		0.56 kgf/cm ²		0.70 kgf/cm ²		0.84 kgf/cm ²		1.05 kgf/cm ²		Max. Vacuum		
		m ³ / min	kW	m ³ / min	kW	m ³ / min	kW	m ³ / min	kW	m ³ / min	kW	m ³ / min	kW	m ³ / min	kW	mbar	m ³ / min	kW
5003	710	1.9	1.1	1.5	1.7	1.1	2.4									330	1.0	2.0
	1450	4.8	2.2	4.4	3.6	4.1	4.9	3.8	6.2	3.6	7.6	3.4	8.9			470	3.3	5.5
	1760	6.1	2.7	5.7	4.3	5.4	5.9	5.1	7.6	4.9	9.2	4.6	10.8			490	4.5	6.9
	2850	10.5	4.4	10.1	7.0	9.7	9.6	9.5	12.2	9.2	14.9	9.0	17.5	8.7	21.4	500	8.8	11
5006	710	3.1	1.5	2.4	2.6	1.9	3.7									320	1.7	3.0
	1450	8.1	3.1	7.4	5.4	6.9	7.6	6.4	9.8	6.1	12.1	5.7	14.3			450	5.7	8.2
	1760	10.2	3.8	9.5	6.5	9.0	9.2	8.5	11.9	8.1	14.6	7.8	17.4			470	7.7	10
	2850	17.5	6.2	16.9	11	16.3	15	15.9	19.3	15.5	23.7	15.1	28.1			500	14.7	18
5009	710	5.0	2.0	4.2	3.6	3.6	5.2									310	3.5	4.1
	1450	12.3	4.2	11.5	7.4	10.9	11	10.4	14							390	10.1	10
	1760	15.4	5.1	14.6	9.0	14.0	13	13.5	17							400	13.1	13
	2850	26.1	8.2	25.3	15	24.7	21	24.2	27							400	23.8	20
6005	710	3.7	1.8	3.1	3.0	2.6	4.2	2.1	5.4							390	1.9	4.0
	1450	9.3	3.7	8.6	6.2	8.1	8.6	7.7	11	7.3	14	7.0	16	6.5	20	510	6.5	10
	1760	11.6	4.5	10.9	7.5	10.4	10	10.0	13	9.6	16	9.3	20	8.8	24	530	8.7	13
	2350	16.0	6.0	15.3	10	14.8	14	14.4	18	14.0	22	13.7	26	13.2	32	550	12.9	18
6008	710	6.0	2.5	4.9	4.5	4.1	6.4	3.4	8.3							390	3.0	6.1
	1450	14.8	5.2	13.8	9.1	12.9	13	12.3	17	11.7	21	11.1	25			500	10.5	16
	1760	18.5	6.3	17.5	11	16.7	16	16.0	21	15.4	25	14.8	30			530	13.8	20
	2350	25.6	8.4	24.5	15	23.7	21	23.0	28	22.4	34	21.9	40			550	20.6	28
6015	710	11.2	4.2	9.2	7.9	7.7	12									300	7.6	8.5
	1450	27.8	8.6	25.8	16	24.3	23									380	22.5	22
	1760	34.7	10	32.8	20	31.3	29									400	29.1	28
	2350	48.0	14	46.0	26	44.5	38									400	42.3	37
7006	710	6.8	2.7	6.0	4.7	5.4	6.7	4.9	8.7	4.4	11					450	4.1	7.2
	1450	15.8	5.5	15.0	9.6	14.4	14	13.9	18	13.5	22	13.1	26	12.5	32	550	12.1	18
	1760	19.6	6.7	18.8	12	18.2	17	17.7	21	17.2	26	16.8	31	16.3	39	550	15.9	21
	2050	23.1	7.8	22.3	14	21.7	19	21.2	25	20.8	31	20.4	36	19.8	45	550	19.4	25
7011	710	12.7	4.4	11.4	8.0	10.4	12	9.6	15	8.8	19	8.2	23			440	8.4	12
	1450	29.3	8.9	28.0	16	27.0	24	26.2	31	25.4	39	24.7	46			500	24.0	29
	1760	36.3	11	35.0	20	33.9	29	33.1	38	32.4	47	31.7	56			500	30.9	35
	2050	42.8	13	41.4	23	40.4	34	39.6	44	38.9	55	38.2	65			500	37.4	40
7018	710	21.1	6.7	19.1	13	17.5	19									400	15.2	18
	1450	48.2	14	46.2	26	44.6	38									400	42.4	37
	1760	59.6	17	57.5	31	56.0	46									400	53.7	45
	2050	70.2	19	68.2	36	66.6	54									400	64.3	52

Performance data is based on air inlet conditions of 101.3kPa(a) and 20°C. In conjunction with our program of continuous testing and upgrading, all specifications are subject to change without notice. All data is approximate. Always request confirmation for your specific application.

COMPETITOR SL SERIES 5003 - 7018



COMPETITOR SL5-6-7M22L3N

BLOWER MODEL	A	B	C	D	E	F		G ₁		G ₂		H	J ₁	J ₂	K	L ₁	L ₂	M	N ₁	N ₂	N ₃	P	R	S	T	U	ØV	KEYWAY	WEIGHT KG
						MIN	MAX	POS1	POS2	POS1	POS2																		
5003	387	187	122	78	2.5 BSP	86	90	89		89		214	304	440	163	267	267	8	171	286	159	436	63.5	222	48	16	28	8x7	75
5006	454	220	156	78	4 BSP	119	124	89		89		282	304	440	163	267	267	8	171	286	159	436	63.5	222	48	16	28	8x7	90
5009	532	259	194	78	4 BSP	157	162	89		89		358	304	440	163	267	267	8	171	286	159	436	63.5	222	48	16	28	8x7	108
6005	475	238	143	94	3 BSP	108	108	105	181	28	104	255	404	550	182	433	279	40	222	374	222	504	76	298	54	19	35	10x8	115
6008	551	276	181	94	5 BSP	146	146	105	181	28	104	331	404	550	182	433	279	40	222	374	222	504	76	298	54	19	35	10x8	145
6015	729	365	270	94	150 DN	235	235	105	181	28	104	509	415	550	193	433	279	29	222	374	222	504	76	298	54	19	35	10x8	210
7006	532	262	170	100	4 BSP	124	124	140	229	51	140	299	522	664	243	534	355	36	279	458	280	590	89	369	60	22	42	12x8	195
7011	660	326	234	100	150 DN	188	188	140	229	51	140	427	495	664	216	534	355	63	279	458	280	590	89	369	60	22	42	12x8	252
7018	838	415	323	100	200 DN	277	277	140	229	51	140	605	495	664	216	534	355	63	279	458	280	590	89	369	60	22	42	12x8	306

MATERIAL SPECIFICATIONS

Housing: Cast iron. **End Plates:** Cast iron. **End Covers:** Cast iron. **Rotors:** Ductile iron. **Shafts:** Ductile iron cast integrally with rotors

Bearings: Gear end - Double row ball, both rotors. Drive end - Cylindrical roller. Driven end - Single row ball. **Drive Shaft:** Ductile iron, cast integrally with drive rotor. **Gears:** Heat treated alloy steel, helical cut. **Seals:** Lip seals on rotor shafts and drive shaft. **Lubrication:** Oil splash on both ends

COMPETITOR SL SERIES 8009 - 1034



The BI-LOBE, METRIC Rotary Positive Blowers are rated up to 1.00kgf/cm² discharge pressure or 500 mbar dry vacuum.

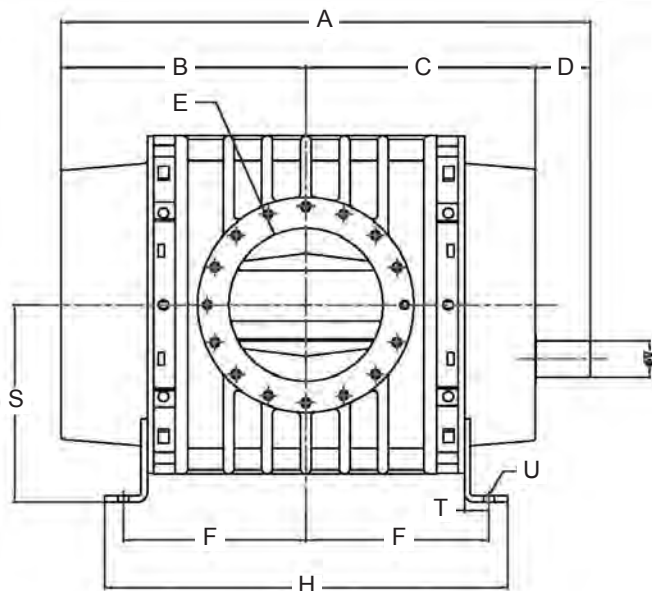


All blowers include double row ball bearings at the gear end, stronger than single row ball bearings offered by other manufacturers. Drive shaft bearing is cylindrical roller type for additional strength against side loading from V-belt drives. As a result of this superior design, this blower offers design bearing life as much as 50% greater than models offered by other manufacturers.

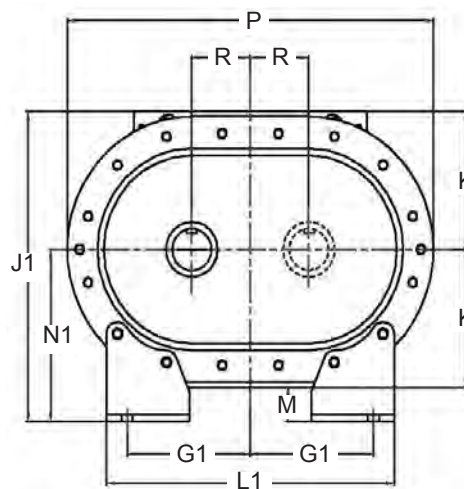
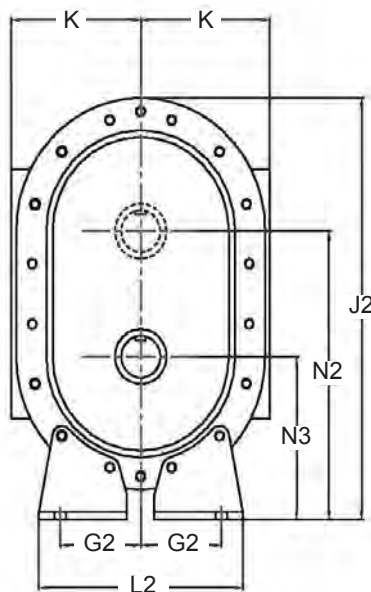
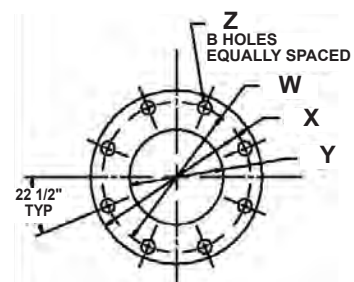
All blowers can be field converted from horizontal to vertical flow, or vice versa, without any special tools or additional components.

Model	Speed	0.1 kgf/cm ²		0.3 kgf/cm ²		0.5 kgf/cm ²		0.7 kgf/cm ²		0.8 kgf/cm ²		0.9 kgf/cm ²		1.0 kgf/cm ²		Max. Vacuum		
		m ³ /min	kW	m ³ /min	kW	m ³ /min	kW	m ³ /min	kW	m ³ /min	kW	m ³ /min	kW	m ³ /min	kW	mbar	m ³ /min	kW
8009	500	6.47	3.6	4.6	6.8	3.3	9.7									300	3.7	6.1
	1100	17.4	7.9	15.5	15.0	14.2	21.4	13.1	28.5	12.6	32.0	12.2	35.6	11.7	39.1	300	14.6	13.4
	1700	28.3	12.2	26.4	23.1	25.1	33.1	24.0	44.0	23.5	49.5	23.1	55.0	22.6	60.5	500	22.7	31.0
	2250	38.3	16.2	36.4	30.6	35.1	43.8	34.0	58.3	33.5	65.5	33.0	72.8	32.6	80.0	500	37.2	45.6
8016	500	12.1	5.0	9.1	10.7	7.1	16.0									300	7.7	9.6
	1100	31.5	10.9	28.5	23.6	26.5	35.2	24.8	47.8	24.1	54.1					300	27.1	21.2
	1700	50.9	16.9	47.9	36.5	45.9	54.4	44.2	73.9	43.5	83.6					500	42.0	51.0
	2250	68.6	22.3	65.7	48.3	63.6	72.0	62.0	97.8	61.2	110.7					500	59.8	67.5
8024	500	18.7	6.5	14.5	14.6	11.7	23.2									300	12.6	13.6
	1100	47.8	14.3	43.6	32.0	40.8	50.9	38.5	69.8							300	41.6	30.0
	1700	76.8	22.2	72.7	49.5	69.9	78.7	67.6	107.9							500	64.5	73.8
	2250	103.5	29.3	99.4	65.6	96.5	104.2	94.2	142.9							500	91.1	97.6
1009	500	10.80	4.58	8.30	9.65	6.59	14.27									300	7.2	10.3
	1100	27.84	10.1	25.34	21.24	23.64	31.39	22.25	42.47	21.65	48.01	21.05	53.54	20.51	59.1	500	20.6	33.0
	1150	39.21	13.7	36.71	28.96	35.01	42.81	33.61	57.91	33.02	65.46	32.42	73.01	31.88	80.6	500	31.9	45.0
	1800	47.73	16.5	45.23	34.75	43.53	51.37	42.14	69.49	41.54	78.56	40.94	87.62	40.40	96.7	500	40.4	54.0
1024	500	29.70	11.1	23.71	24.6	19.70	37.0									300	21.0	22.1
	1100	75.15	24.3	69.17	54.2	65.15	81.4	61.82	110.9	60.30	125.7					500	57.6	76.3
	1500	105.5	33.2	99.47	73.9	95.46	111.0	92.12	151.2	90.61	171.4					500	87.7	104.0
	1800	128.2	39.8	122.2	88.7	118.2	133.1	114.9	181.5	113.3	205.6					500	110.4	124.8
1034	500	42.1	14.1	33.59	33.4	27.90	51.0									300	29.7	29.9
	1100	106.5	31.0	98.0	73.5	92.3	112.1	87.46	154.0							300	94.0	65.8
	1500	149.4	42.3	140.9	100.2	135.2	152.9	130.4	209.9							500	124.2	143.3
	1800	181.6	50.8	173.1	120.2	167.4	183.5	162.6	251.9							500	156.4	172.0

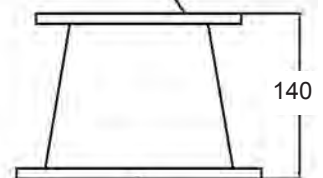
COMPETITOR SL SERIES 8009 - 1034



BLOWER MODEL	W	X	Y	Z
8009	240	285	157	8-Ø22
8016	295	340	203.2	8-M20*2.5-40
8024	350	395	275.5	12-M20*2.5-45
1009	295	340	221.5	8-Ø22
1024	460	505	359.5	16-M20*2.5-40
1034	460	505	359.5	16-M20*2.5-40



Square flange to blower



Round flange to pipe
Adaptor
(Only 8009/1009)

MODEL	FLANGE	A	B	C	D	E	F	G ₁		G ₂		H	J ₁	J ₂	K	L ₁	L ₂	M	N ₁	N ₂	N ₃	P	R	S	T	U	ØV	KEY	WEIGHT KG
								POS1	POS2	POS1	POS2																		
8009	DN150	759.0	352.9	281.3	124.8	Ø167	238.1	204.1		102.1		565.4	529	712.6	236	524.5	305.9	57	293.4	496.6	293.4	635.2	101.6	395	57	Ø25.5	Ø65	18*11	430
8016	DN200	936.8	441.8	370.2	124.8	Ø203.2	327	204.1		102.1		743.2	529	712.6	236	524.5	305.9	57	293.4	496.6	293.4	635.2	101.6	395	57	Ø25.5	Ø65	18*11	610
8024	DN250	1140.2	543.5	471.9	124.8	Ø275.5	428.7	204.1		102.1		946.6	529	712.6	236	524.5	305.9	57	293.4	496.6	293.4	635.2	101.6	395	57	Ø25.5	Ø65	18*11	776
1009	DN200	894	392.8	344.7	156.6	Ø221.5	235.7	171.4	266.4	59.5	154.5	561.2	624	869.2	280	617.8	394	68.6	344	599.2	344	794	127	472.2	56	Ø25.5	Ø85	22*14	718
1024	DN350	1275	583.2	535.2	156.6	Ø395.5	426.2	171.4	266.4	59.5	154.5	942.2	624	869.2	280	617.8	394	68.6	344	599.2	344	794	127	472.2	56	Ø25.5	Ø85	22*14	1043
1034	DN350	1529	710.2	662.2	156.6	Ø395.5	553.2	171.4	266.4	59.5	154.5	1196.2	624	869.2	280	617.8	394	68.6	344	599.2	344	794	127	472.2	56	Ø25.5	Ø85	22*14	1260

MATERIAL SPECIFICATIONS

Housing: Cast iron. **End Plates:** Cast iron. **End Covers:** Cast iron. **Rotors:** Ductile iron. **Shafts:** Ductile iron cast integrally with rotors

Bearings: Gear end - Double row ball, both rotors. Drive end - Cylindrical roller, both rotors. **Drive Shaft:** Ductile iron, cast integrally with drive rotor.

Gears: Heat treated alloy steel, helical cut. **Seals:** Lip and labyrinth type on rotor shafts; Lip seal on the drive shaft. **Lubrication:** Oil on both ends

JAPAN . SOUTH KOREA . TAIWAN . SINGAPORE . MALAYSIA . PHILIPPINES . VIETNAM
THAILAND . INDONESIA . AUSTRALIA . NEW ZEALAND . INDIA . PAKISTAN . SRI LANKA



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A NEW ERA IN BLOWER TECHNOLOGY

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