

hibon[®]

Air injection Vacuum Blower

VTB.XL Slaw/h SERIES



IR Ingersoll Rand[®]

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VTB.XL SERIES

Hibon Ingersoll Rand presents new state-of-the-art technology in three-lobe, positive displacement blowers. This model offers a wide range of design features and incorporates energy efficiency improvements, complying with the strictest operational requirements of a variety of applications. The VTB.XL series are ideally suited for the rigorous demand of the vacuum truck and industrial vacuum markets. Hibon is a worldwide leader in three-lobe positive displacement blower technology with thousands of units installed around the globe.

Characteristics of the VTB.XL series

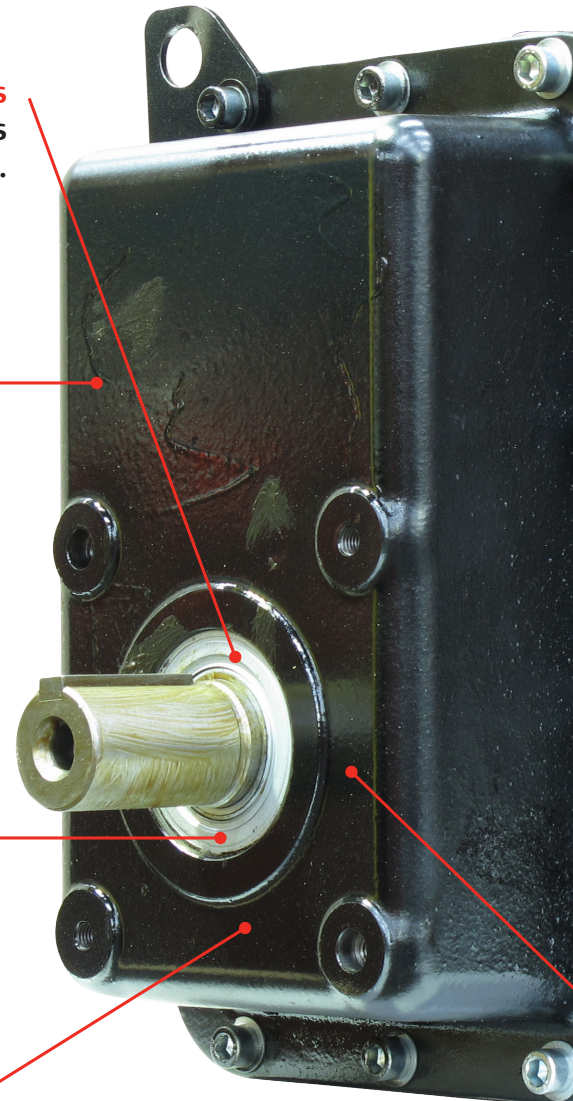
- Three-lobe Rotros construction with one-piece, integral lobe and shaft design for improved quality and reliability. Available in ATEX on request Ex II 2/2 G/D c, II BT3, 160°C X
- Unique air injection system
- Increased efficiency
- Clearances adjusted automatically during assembly
- Larger oil capacity
- High volume oil thrower
- High performance sealing arrangement using 4 piston rings

Shaft seals
Dynamic shaft seals arrangement.

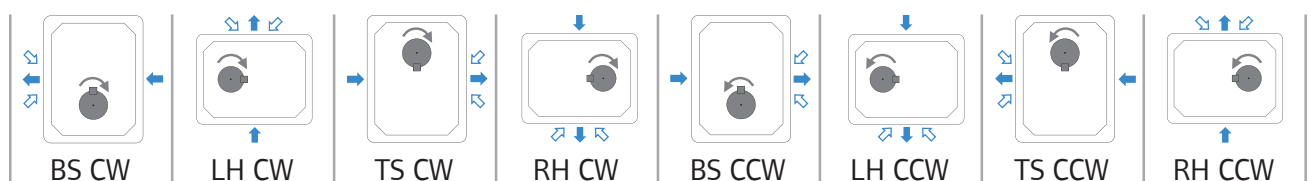
Seals
Four piston ring seals plus a shoulder by sealing for totally oil free operation.

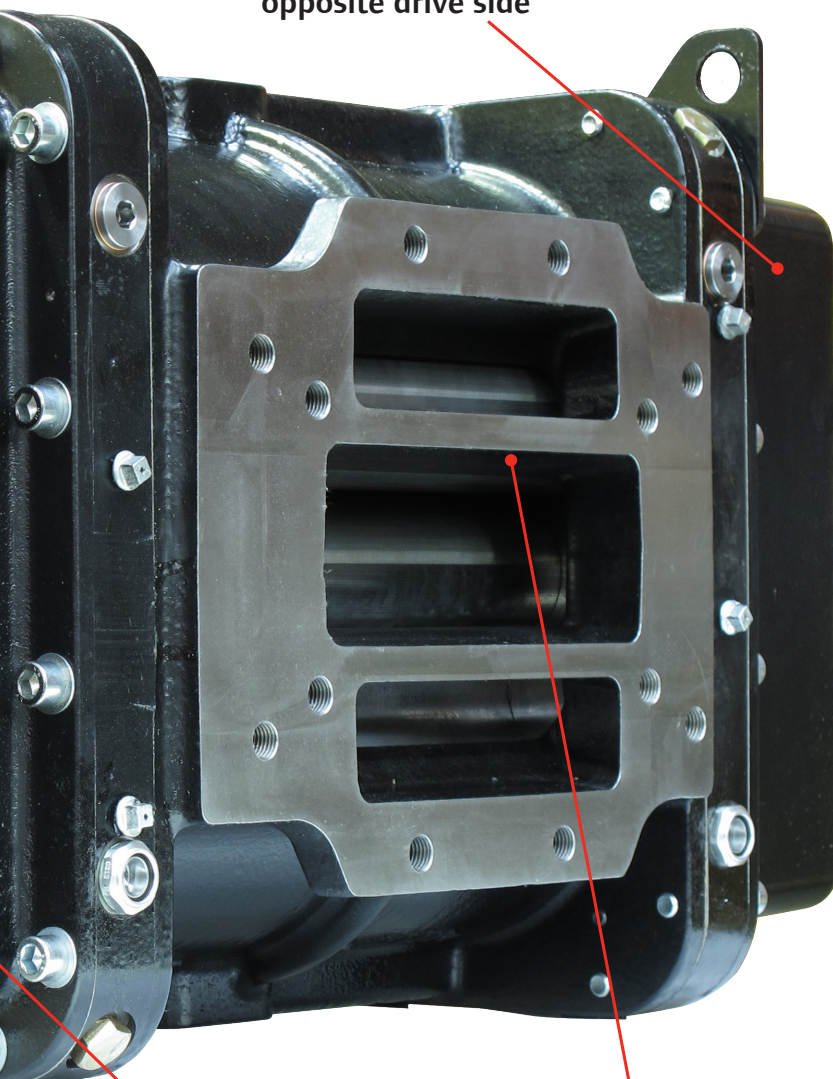
Bearings
Four oversized bearings for lifetime reliability.

Oil reservoir
Large oil reservoir for improved bearing lubrication.



Configurations





Gears

Helical gears located on the opposite drive side

Oil thrower

Oil thrower and oil passages for good bearing lubrication and long life.

Rotors

One-piece three-Lobe rotors.

Range

Blowers	Free air delivery* maxi
VTB 805.XL	1 028 m ³ /h - 605 CFM
VTB 807.XL	1 570 m ³ /h - 942 CFM
VTB 810.XL	1 901 m ³ /h - 1119 CFM
VTB 820.XL	2 822 m ³ /h - 1661 CFM
VTB 822.XL	4 636 m ³ /h - 2779 CFM
VTB 840.XL	6 492 m ³ /h - 4 000 CFM

* at maximum speed

Vacuum up to 95%

Pressure up to 1 barg; To 1.2 bar g. from VTB 840.XL

Main application

- Mobile waste handling units, industrial, municipal wet and dry
- Pneumatic conveying (fly ash, chemicals, pharmaceuticals products...)
- Central vacuum systems (packaging, envelope manufacturing...)

Benefits

- Quieter operation than two-lobe impeller construction
- Allows high vacuum including "dead end" operation without overheating
- No oil or water cooling system (100% oil free air)
- Requires less horsepower for the same performance
- Easier maintenance
- Runs cooler
- Better lubrication of bearings
- Less frequent oil changes

- ↻ Shaft rotation
- ➡ Air flow
- ⇨ Air injection
- RH = Right hand shaft
- LH = Left hand shaft
- BS = Bottom shaft
- TS = Top shaft
- CW = Clockwise rotation
- CCW = Counter clockwise rotation

Cleaner
Lower running costs
Maintenance free

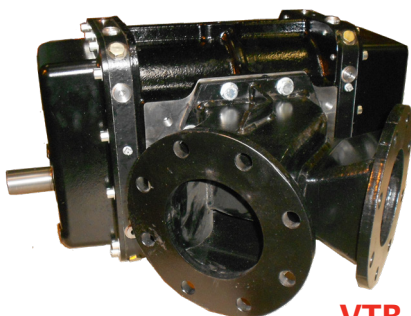
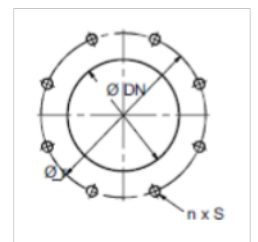
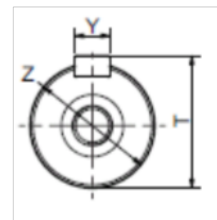
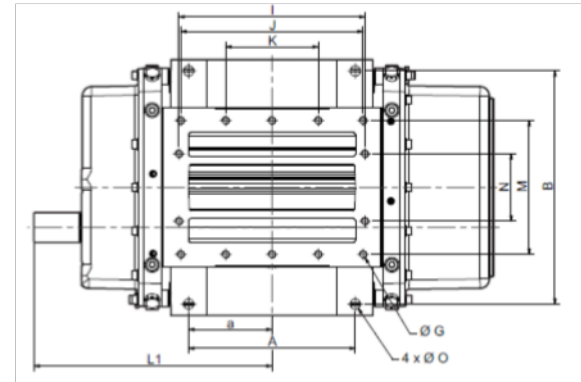
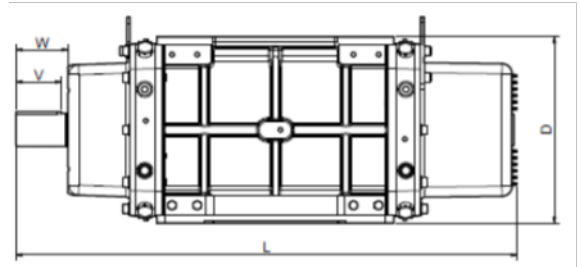
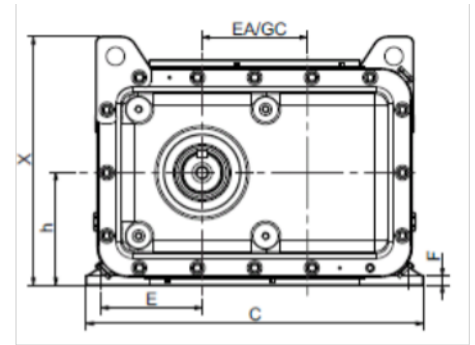
Better by design

Air injection Vacuum Blower

VTB.XL SERIES

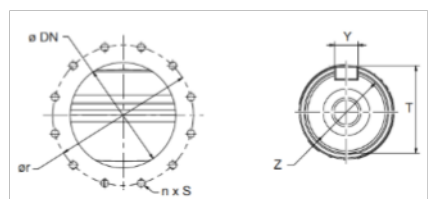
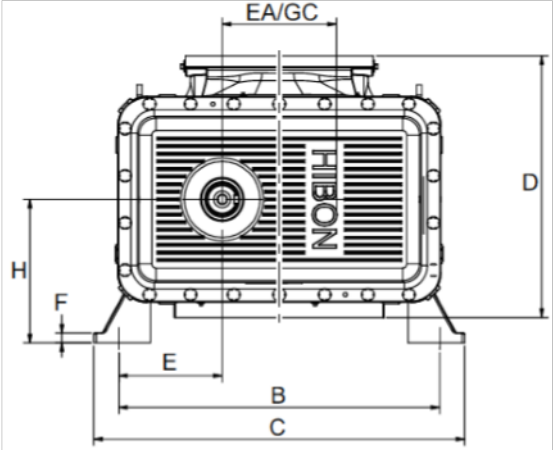
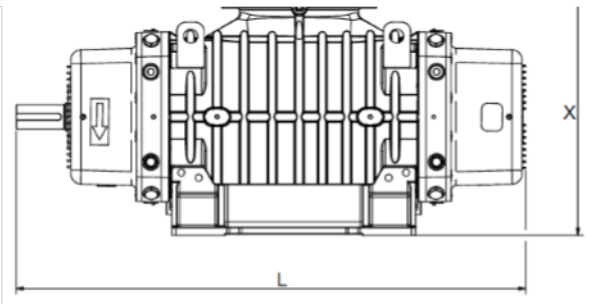
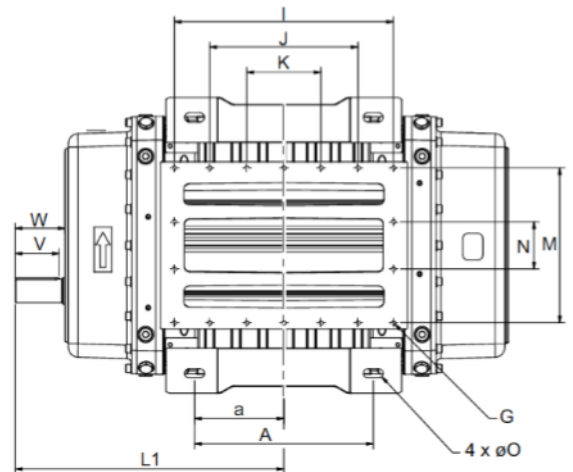
Dimensions (LH /RH)

	VTB 805.XL		VTB 807.XL		VTB 810.XL		VTB 820.XL		VTB 822.XL	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
A	/	/	/	/	/	/	/	/	360	14.17
a	/	/	/	/	/	/	/	/	180	7.09
B	/	/	/	/	/	/	/	/	505	19.88
C	346	13.62	346	13.62	425	16.73	425	16.73	554	21.81
D	252	9.92	252	9.92	310	12.20	310	12.20	370	14.57
E	/	/	/	/	/	/	/	/	166	6.54
F	/	/	/	/	/	/	/	/	15	0.59
GC	106	4.17	106	4.17	135	5.31	135	5.31	173	6.81
G	8 x M12		8 x M12		8 x M16		8 x M16		14 x M16	
h	126	4.96	126	4.96	155	6.10	155	6.10	185	7.28
I	150	5.91	198	7.80	179	7.05	230	9.06	402	15.83
J	64	2.52	120	4.72	90	3.54	100	3.94	394	15.51
K	/	/	/	/	/	/	/	/	200	7.87
L	555	21.85	650	25.59	672	26.46	792	31.18	994	39.13
L1	280	11.02	328	12.91	368	14.49	427.5	16.83	514	20.24
M	256	10.08	268	10.55	254	10	254	10	290	11.42
N	120	4.72	128	5.04	120	4.72	120	4.72	146	5.75
øO	/	/	/	/	/	/	/	/	22	0.87
ør	180	7.09	210	8.27	210	8.27	240	9.45	295	11.61
n x s	4 x M14		4 x M14		4 x M16		4 x M20		8 x M20	
T	45	1.77	45	1.77	51.5	2.03	51.5	2.03	69	2.72
øDN	100	3.94	125	4.92	125	4.92	150	5.91	200	7.87
V	50	1.97	50	1.97	70	2.76	70	2.76	90	3.54
W	57	2.24	57	2.24	81	3.19	81	3.19	102	4.02
X	274	10.79	274	10.79	330	12.99	330	12.99	409	16.10
Y	12	0.47	12	0.47	14	0.55	14	0.55	18	0.71
øZ*	42	1.65	42	1.65	48	1.89	48	1.89	65	2.56
Weight	127 kg	280 lb.	157 kg	346 lb.	221 kg	487 lb.	263 kg	580 lb.	540 kg	1190 lb.



VTB.XL with manifold

VTB 840.XL		
	mm	in.
A	375	14.76
a	217.5	8.56
B	600	23.62
C	667	26.26
D	460	18.11
E	191.5	7.54
F	21	0.83
GC	217	8.54
G	16 x M12	
h	270	10.63
I	/	
J	424	16.69
K	212	8.35
L	1159	45.63
L1	660	25.98
M	385	15.16
N	192	7.56
øO	27	1.06
ør	350/400	13.78/15.75
n x s	24 x M20	
T	65	2.56
øDN	250	9.84
V	105	4.13
W	125	4.92
X	500	19.68
Y	18	0.71
øZ*	65	2.56
Weight	775 kg	1708 lb.

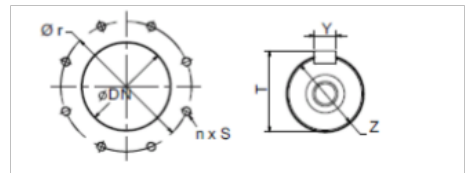
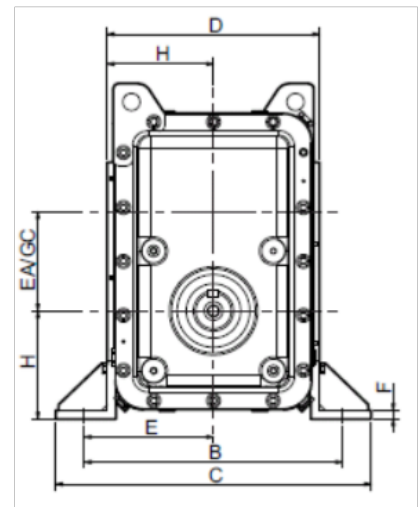
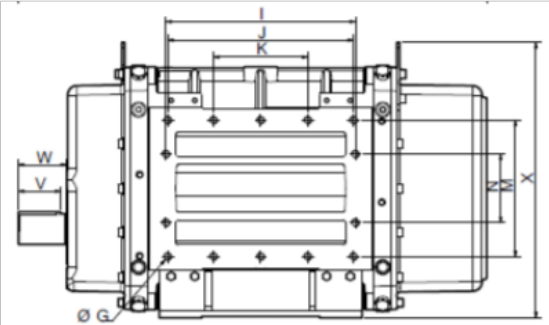
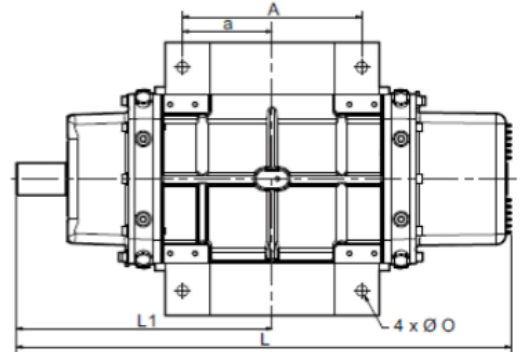


Air injection Vacuum Blower

VTB.XL SERIES

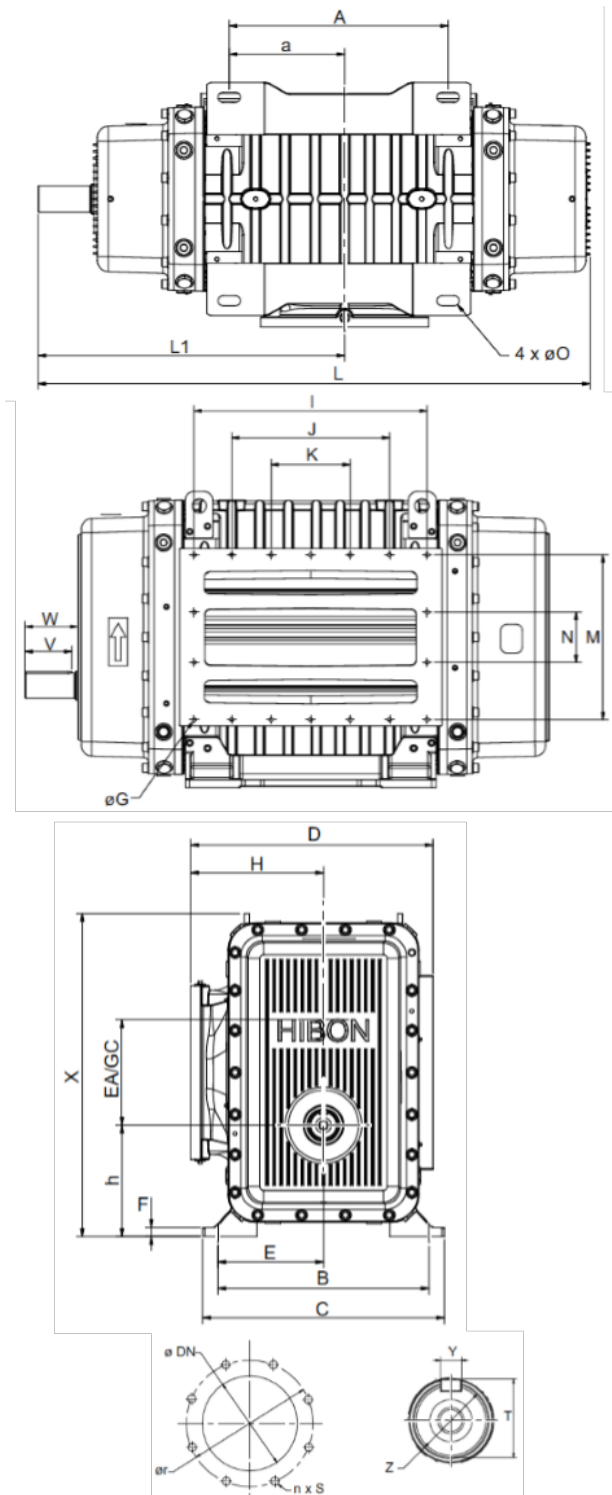
Dimensions (TS/BS)

	VTB 805.XL		VTB 807.XL		VTB 810.XL		VTB 820.XL		VTB 822.XL	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
A	128	5.04	205	8.07	185	7.28	300	11.81	360	14.17
a	64	2.52	102.5	4.04	92.5	3.64	150	5.91	180	7.09
B	316	12.44	316	12.44	370	14.57	370	14.57	450	17.72
C	362	14.25	362	14.25	418	16.46	418	16.46	550	21.65
D	252	9.92	252	9.92	310	12.20	310	12.20	370	14.57
E	158	6.22	158	6.22	185	7.28	185	7.28	225	8.86
F	10	0.39	10	0.39	10	0.39	10	0.39	15	0.59
GC	106	4.17	106	4.17	135	5.31	135	5.31	173	6.81
G	8 x M12		8 x M12		8 x M16		8 x M16		14 x M16	
H	126	4.96	126	4.96	155	6.10	155	6.10	185	7.28
h	129	5.08	129	5.08	150	5.91	150	5.91	188.5	7.42
I	150	5.91	198	7.80	179	7.05	230	9.06	402	15.83
J	64	2.52	120	4.72	90	3.54	100	3.94	394	15.51
K	/		/		/		/		200	7.87
L	555	21.85	650	25.59	672	26.46	792	31.18	994	39.13
L1	280	11.02	327.5	12.89	368	14.49	427.5	16.83	514	20.24
M	256	10.08	268	10.55	254	10	254	10	290	11.42
N	120	4.72	128	5.04	120	4.72	120	4.72	146	5.75
øO	18	0.71	18	0.71	18	0.71	18	0.71	22	0.87
ør	180	7.09	210	8.27	210	8.27	240	9.45	295	11.61
n x s	4 x M14		4 x M14		4 x M16		4 x M20		8 x M20	
T	45	1.77	45	1.77	51.5	2.03	51.5	2.03	69	2.72
øDN	100	3.94	125	4.92	125	4.92	150	5.91	200	7.87
V	50	1.97	50	1.97	70	2.76	70	2.76	90	3.54
W	57	2.24	57	2.24	81	3.19	81	3.19	102	4.02
X	382	15.04	382	15.04	462	18.19	462	18.19	585	23.03
Y	12	0.47	12	0.47	14	0.55	14	0.55	18	0.71
øZ*	42	1.65	42	1.65	48	1.89	48	1.89	65	2.56
Weight	127 kg	280 lb.	157 kg	346 lb.	221 kg	487 lb.	263 kg	580 lb.	540 kg	1190 lb.



VTB.XL ATEX version

VTB 840.XL		
	mm	in.
A	375	14.76
a	217.5	8.56
B	460	18.11
C	530	20.87
D	460	18.11
E	230	9.06
F	23	0.81
GC	217	8.54
G	16 x M12	
H	230	9.06
h	235	9.25
I	/	
J	424	16.69
K	212	8.35
L	1159	45.63
L1	660	25.98
M	385	15.16
N	192	7.56
øO	27	1.06
ør	350/400	13.78/15.75
n x s	24 x M20	
T	69	2.72
øDN	250	9.84
V	105	4.13
W	125	4.92
X	681	26.81
Y	18	0.71
øZ*	65	2.56
Weight	775 kg	1708 lb.



Air injection Vacuum Blower

SIAV/h SERIES

As the VTB.XL series, The Hibon SIAV Series are the only dry positive displacement blowers capable of attaining 28" Hg vacuum/92% vacuum.

Siav unit special design eliminates:

- water cooling
- heat exchangers
- sewerage

Reduces: pre-cooler requirements

Provides: oil-free and water-free operation

Benefits

The Hibon SIAV series blowers are self cooling, requiring no vacuum relief valve and are designed for continuous industrial use, 24 hours a day.

The self-cooling design enables warm gases to be handled and eliminates or reduces the need for precooling.

The Hibon SIAV series blowers are very efficient for vacuuming a large variety of products, wet or dry.

Range

Blowers	Free air delivery* maxi
SIAV/H 8702	9 000 m ³ /h - 5250 CFM
SIAV /H 8902	11 160 m ³ /h - 6600 CFM

Heavy duty construction of the SIAV Series High Vacuum Blowers

1 Heavy-duty bearing holders on thrust end for more axial load capability.

8 Oil thrower and oil passages for good bearing lubrication & long life.

7 Piston ring seals for lifetime reliability.

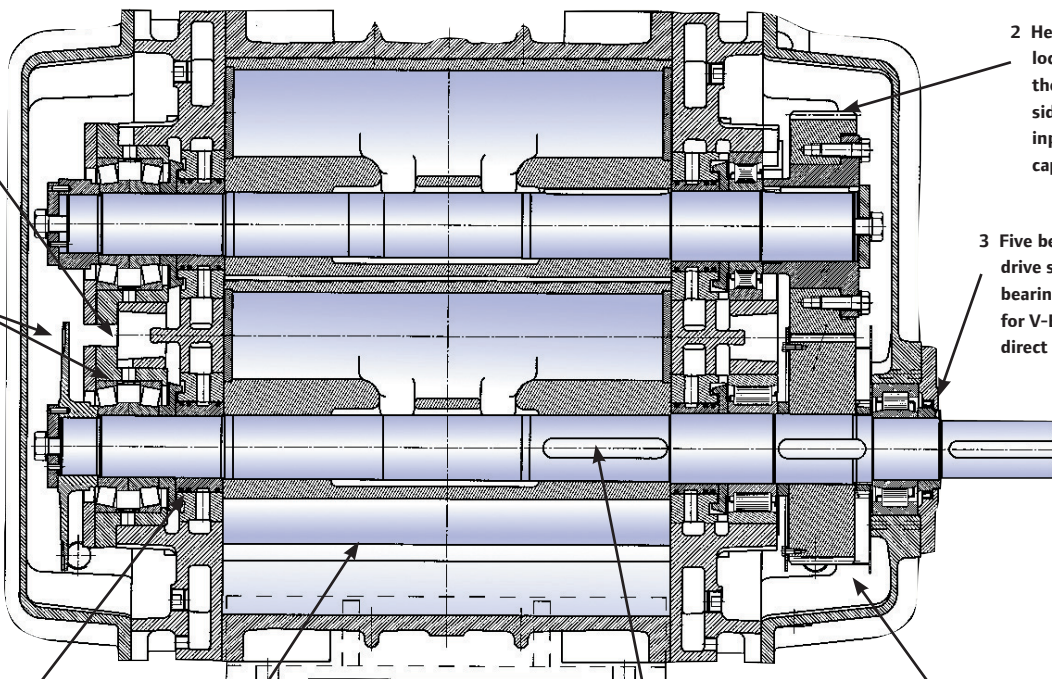
6 Trilobes for smoother operation with less vibration and pulsating noise.

5 Shafts are keyed to the lobes. High tensile steel provides superior resistance and minimum flexion.

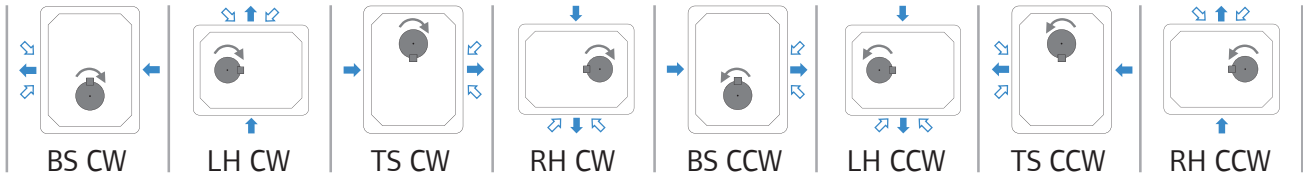
2 Helical gears located on the drive side for more input torque capability.

3 Five bearings with drive shaft roller bearings suitable for V-Belt and direct drives.

4 Large oil sumps for improved bearing lubrication.



Configurations

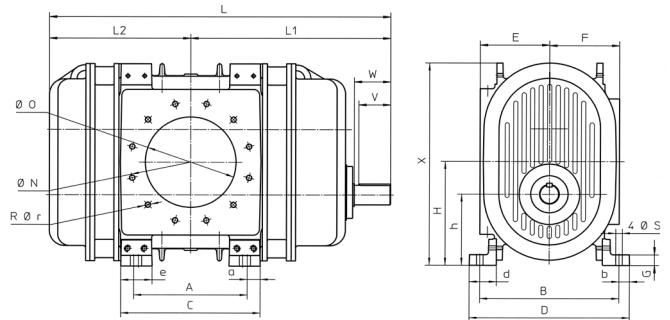


- Shaft rotation
- Air flow
- Air injection
- RH = Right hand shaft
- LH = Left hand shaft
- BS = Bottom shaft
- TS = Top shaft
- CW = Clockwise rotation
- CCW = Counter clockwise rotation

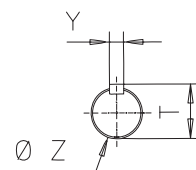
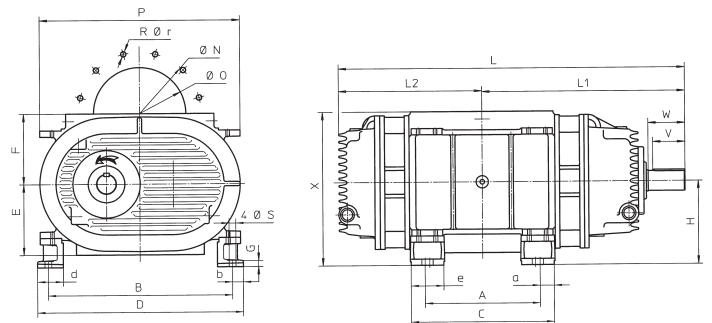
Dimensions

	SIAV 8702		SIAV 8902		SIAH 8702		SIAH 8902	
	mm	in.	mm	in.	mm	in.	mm	in.
A	430	16.93	590	23.23	430	16.93	580	22.83
a	50	1.97	45	1.77	50	1.97	50	1.97
B	540	21.26	540	21.26	710	27.95	710	27.95
b	35	1.38	35	1.38	40	1.57	40	1.57
C	530	20.87	680	26.77	530	20.87	680	26.77
D	610	24.02	610	24.02	790	31.10	790	31.1
d	80	3.15	115	4.53	100	3.94	100	3.94
E	340	13.39	340	13.39	340	13.39	340	13.38
e	95	3.74	680	26.77	100	3.94	100	3.94
F	280	11.02	280	11.02	280	11.02	280	11.02
G	18	0.71	20	0.79	20	0.79	20	0.79
H	420	16.54	420	16.54	340	13.39	340	13.89
h	285	11.22	285	11.22	340	13.39	340	13.89
L	1271	50.04	1421	55.94	1271	50.04	1421	55.94
L1	737	29.02	812	31.97	737	29.02	812	31.97
L2	534	21.02	609	23.98	534	21.02	609	23.98
N	400	15.75	400	15.75	400	15.75	400	15.75
O	300	11.81	300	11.81	300	11.81	300	11.81
P	-	-	-	-	790	31.10	790	31.1
Rø r	12 ø 22	12 ø 0.87	12 ø 22	12 ø 0.87	12 ø 22	12 ø 0.87	12 ø 0.22	12 ø 0.87
S	27	1.06	27	1.06	27	1.06	27	1.06
T	74.5	2.93	74.5	2.93	74.5	2.93	74.5	2.93
V	130	5.12	130	5.12	130	5.12	130	5.12
W	140	5.51	140	5.51	140	5.51	140	5.51
X	815	32.09	815	32.09	620	24.41	620	24.41
Y	20	0.79	20	0.79	20	0.79	20	0.79
Zm6	70	2.76	70	2.76	70	2.76	70	2.76
Weight	1010 kg	2227 lb.	1192 kg	2628 lb.	1010 kg	2227 lb.	1232 kg	2716 lb.

SIAV



SIAH



Dimensions of bare shaft unit without manifold

Air injection Vacuum Blower

Performance chart

VTB 805.XL		VOLUME DISPLACEMENT (1028 m ³ /h)*														
Speed (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		87% Vacuum		90% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
2600	446	5	424	6	383	8	345	10	290	11	114	13	-	-	-	-
2900	505	6	484	7	446	9	408	11	351	13	173	14	-	-	-	-
3200	564	7	544	8	508	10	470	12	413	14	233	16	48	18	-	-
3500	623	8	604	10	570	11	532	14	474	16	292	17	109	19	-	-
3800	683	8	663	11	633	13	594	15	535	17	352	19	170	21	-	-
4000	722	9	703	11	674	13	636	16	576	18	392	20	210	22	-	-
4200	761	10	743	12	716	14	677	17	617	19	431	21	251	24	23	24
4400	801	10	783	13	757	15	719	18	658	20	471	22	292	25	69	26
4600	840	11	823	13	799	16	761	18	699	21	511	23	332	26	114	27
4800	880	11	863	14	840	16	802	19	740	22	551	24	373	27	160	28

VTB 807XL		VOLUME DISPLACEMENT (1570 m ³ /h)*														
Speed (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		87% vacuum		90% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
2600	695	8	661	10	598	12	538	15	452	18	177	20	-	-	-	-
2900	787	9	754	12	695	14	635	17	548	20	270	22	-	-	-	-
3200	879	10	848	13	792	16	732	19	643	22	363	25	76	27	-	-
3500	972	12	941	15	889	18	830	21	739	24	456	27	170	30	-	-
3800	1064	13	1034	17	986	20	927	23	834	27	549	30	265	33	-	-
4000	1125	14	1096	18	1051	21	991	25	898	28	611	31	328	35	-	-
4200	1187	15	1159	19	1116	22	1056	26	962	29	673	33	391	37	36	38
4400	1249	16	1221	20	1180	23	1121	27	1026	31	734	35	454	39	107	40
4600	1310	17	1283	21	1245	24	1186	29	1089	32	796	36	518	41	178	42
4800	1372	18	1345	22	1310	26	1250	30	1153	34	858	38	581	43	250	44

VTB 810.XL		VOLUME DISPLACEMENT (1901 m ³ /h)*													
Speed (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum		
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	
2200	973	11	947	14	908	16	855	19	778	22	571	24	164	28	
2600	1189	13	1165	16	1130	19	1077	23	1008	26	812	29	392	33	
2800	1298	14	1274	18	1241	21	1188	25	1123	28	932	32	506	36	
3000	1406	16	1383	19	1352	22	1300	27	1238	31	1052	34	620	39	
3200	1514	17	1492	21	1463	24	1411	29	1353	33	1172	37	734	42	
3400	1622	18	1601	22	1574	26	1522	31	1468	35	1292	39	848	44	
3600	1730	19	1710	24	1685	28	1633	34	1583	38	1412	42	962	47	
3800	1839	21	1819	26	1796	30	1744	36	1698	41	1532	45	-	-	

VTB 820.XL		VOLUME DISPLACEMENT (2822 m ³ /h)*													
Speed (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum		
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	
2200	1333	17	1297	21	1237	26	1143	30	1032	34	858	36	258	40	
2600	1611	20	1576	25	1520	31	1433	36	1322	40	1160	43	493	47	
2800	1750	22	1715	27	1661	33	1577	39	1467	43	1311	47	611	51	
3000	1888	23	1854	29	1802	36	1722	41	1613	46	1463	50	729	55	
3200	2027	25	1993	31	1943	38	1867	44	1758	50	1614	54	846	59	
3400	2166	27	2132	34	2085	41	2012	47	1903	53	1765	58	964	63	
3600	2304	29	2272	36	2226	44	2156	50	2048	56	1916	62	1082	67	
3800	2443	31	2411	39	2367	46	2301	52	2193	60	2067	65	-	-	

VTB822.XL VOLUME DISPLACEMENT *(4636 m ³ /h)*														
Speed (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
1600	2109	22	2002	29	1930	36	1784	43	1541	50	1175	57	768	64
1800	2423	25	2316	32	2235	40	2091	48	1852	56	1455	64	988	72
2000	2736	28	2630	36	2541	45	2398	54	2163	63	1735	71	1208	80
2200	3050	31	2944	39	2847	49	2706	59	2474	69	2015	79	1428	88
2400	3363	34	3259	43	3152	54	3013	64	2785	75	2295	86	1648	96
2600	3677	36	3573	46	3458	58	3320	70	3095	81	2575	93	1868	105
2800	3990	39	3887	50	3764	63	3628	75	3406	88	2855	100	2088	112
3000	4304	42	4201	54	4070	67	3935	80	3717	94	3135	107	2308	120

VTB 840.XL VOLUME DISPLACEMENT *(6492 m ³ /h)																
Feet (tr/min)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum		93% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
1000	2174	24	2057	31	1905	38	1680	45.9	1310	53	628	61	-	-		
1200	2704	28	2590	37	2442	46	2223	55,1	1862	64	1197	73	-	-		
1400	3234	33	3124	43	2979	53	2766	64,2	2414	75	1767	86	301	93,3		
1600	3764	38	3657	49	3516	61	3308	73,4	2966	86	2336	98	909	110		
1800	4294	42	4190	55	4053	69	3851	82,6	3518	96	2905	110	1518	124		
2000	4824	47	4723	61	4590	76	4393	91,8	4070	107	3475	122	2126	138		
2200	5354	52	4256	67	5127	84	4936	101	4622	118	4044	135	2735	151		
2400	5884	57	5789	73	5664	92	5479	110	5174	128	4613	147	3344	165		
2600	6375	61	6301	79	6188	99	6021	119	5711	139	5155	159	-	-	BO	185

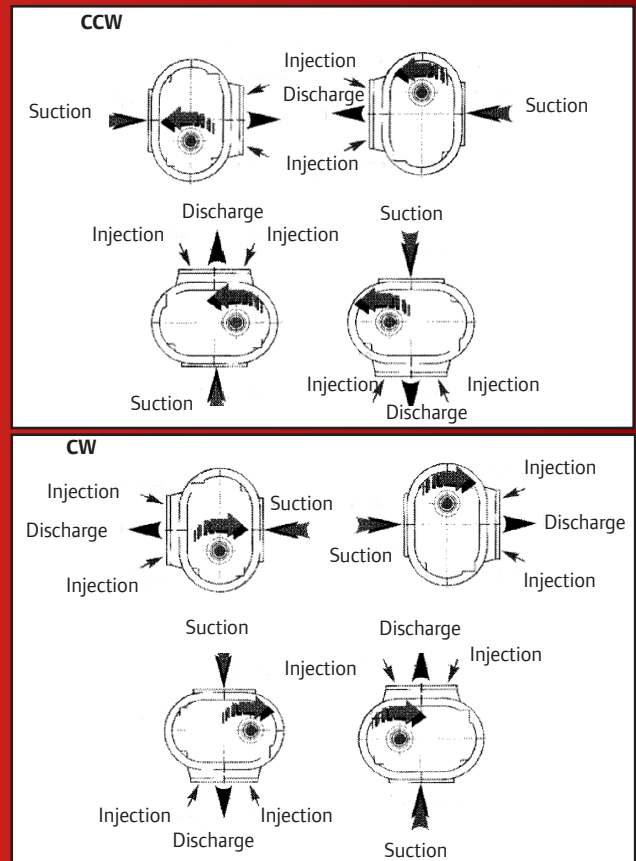
SIAV/H 8702 VOLUME DISPLACEMENT *(9000 m ³ /h)																
Speed (RPM)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum		93% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
800	3026	31	2912	40	2785	51	2601	60	2285	70	1519	80	BO	89		
1200	4773	47	4659	60	4530	77	4346	90	4030	104	3264	119	1505	135		
1400	5644	54	5530	71	5403	89	5219	106	4903	122	4137	139	2379	157		
1600	6517	63	6404	81	6274	102	6091	121	5777	139	5010	160	3250	180		
1800	7391	70	7277	91	7148	115	6964	210	6648	157	5882	180	4123	202		
2000	8262	78	8148	101	8021	128	7838	151	7521	174	6755	199	4995	224	BO	232

SIAV/H 8902 VOLUME DISPLACEMENT *(11 160 m ³ /h)																
Speed (RPM)	30% Vacuum		40% Vacuum		50% Vacuum		60% Vacuum		70% Vacuum		80% Vacuum		90% Vacuum		93% Vacuum	
RPM	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW
800	3793	39	3706	48	3413	62	3137	72	2800	86	1861	98	BO	110		
1200	5904	58	5768	73	5551	94	5431	109	5204	129	4000	147	1844	165		
1400	6961	68	6801	86	6654	109	6394	124	6008	149	5070	171	2915	192		
1600	8015	77	7830	98	7689	125	7458	144	7079	171	6139	196	3983	219		
1800	9070	88	8861	112	8760	141	8538	165	8147	192	7208	219	5052	247		
2000	10112	96	9879	124	9817	164	9606	185	9205	224	8268	256	6113	289	BO	299

* Volume displacement at maximum speed
 Actual capacities for inlet temperature of = 68°F at sea level
 Performances guaranteed for 100°F ambient temperature
 BO = Blanked off

BLOWERS	Configuration	With feet option	Without feet
VTB 805.XL	BS CW	F0145701111	F014570111
	LH CW	.	F014570101
	TS CW	F0145701211	F014570121
	RH CW	.	F014570131
	BS CCW	F0145701101	F014570110
	LH CCW	.	F014570100
	TS CCW	F0145701201	F014570120
	RH CCW	.	F014570130
	BS CW	F0146901111	F014690111
VTB 807.XL	LH CW	.	F014690101
	TS CW	F0146901211	F014690121
	RH CW	.	F014690131
	BS CCW	F0146901101	F014690110
	LH CCW	.	F014690100
	TS CCW	F0146901201	F014690120
	RH CCW	.	F014690130
	BS CW	F0156901111	F015690111
	VTB 810.XL	LH CW	.
TS CW		F0156901211	F015690121
RH CW		.	F015690131
BS CCW		F0156901101	F015690110
LH CCW		.	F015690100
TS CCW		F0156901201	F015690120
RH CCW		.	F015690130
BS CW		F0155701111	F015570111
VTB 820.XL		LH CW	.
	TS CW	F0155701211	F015570121
	RH CW	.	F015570131
	BS CCW	F0155701101	F015570110
	LH CCW	.	F015570100
	TS CCW	F0155701201	F015570120
	RH CCW	.	F015570130
	BS CW	F0165701111	F016570111
	VTB 822.XL	LH CW	.
TS CW		F0165701211	F016570121
RH CW		.	F016570131
BS CCW		F0165701101	F016570110
LH CCW		.	F016570100
TS CCW		F0165701201	F016570120
RH CCW		.	F016570130
BS CW		.	F017570111
VTB 840.XL		LH CW	.
	TS CW	.	F017570121
	RH CW	.	F017570131
	BS CCW	.	F017570110
	LH CCW	.	F017570100
	TS CCW	.	F017570120
	RH CCW	.	F017570130

BLOWERS	Configuration	With feet option
SIAV 8702	BS CW	F1868200101
	TS CW	F1868200500
	BS CCW	F1868200100
	TS CCW	F1868200501
SIAH 8702	LH CW	F1871200101
	RH CW	F1871200202
	LH CCW	F1869200100
	RH CCW	F1871200102
SIAV 8902	BS CW	F1869200101
	TS CW	F1869200500
	BS CCW	F1868200100
	TS CCW	F1869200501
SIAH 8902	LH CW	F1870200101
	RH CW	F1870200202
	LH CCW	F1870200200
	RH CCW	F1870200102



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