



Air Injection Vacuum Blower

VTB 807.xl

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 air-injected, high-vacuum blowers 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.

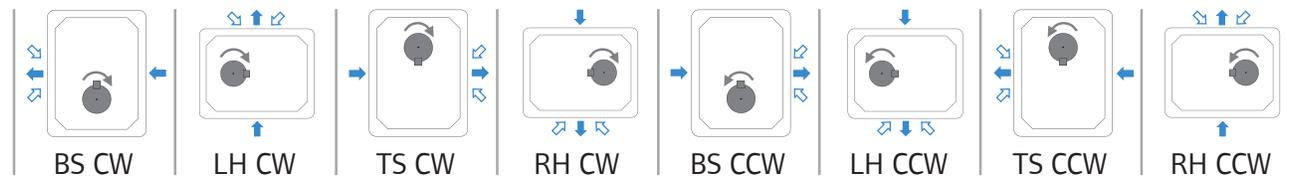
Characteristics of the VTB XL Series Blower

- Three-lobe impeller construction
- 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

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

Configurations



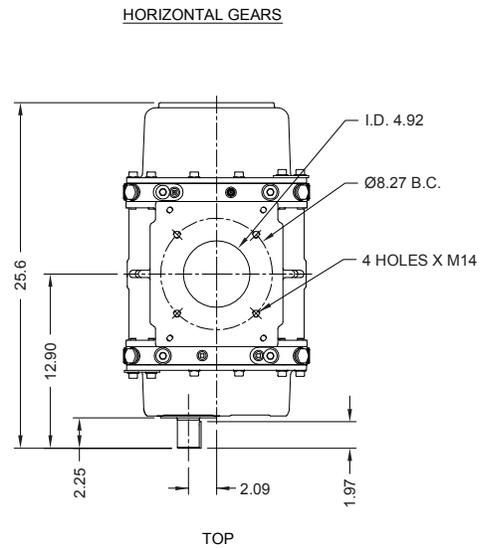
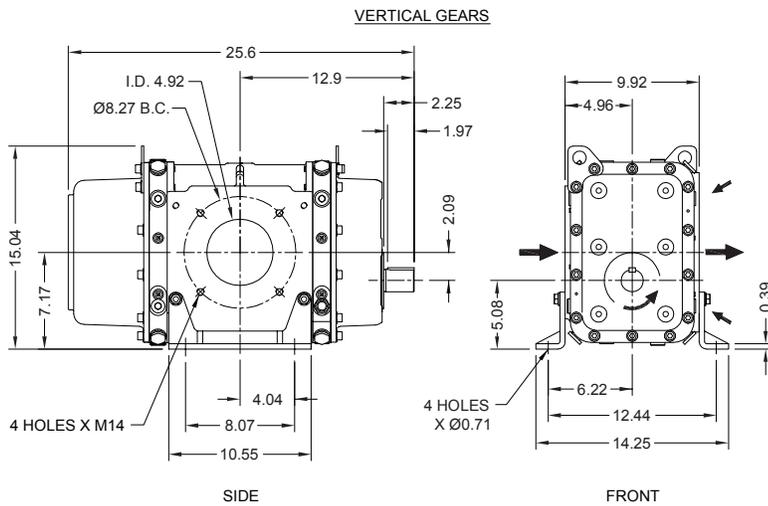
Configuration	With feet option	Without feet
BS CW	F0145701111	F014570111
LH CW	.	F014570101
TS CW	F0145701211	F014570121
RH CW	.	F014570131
BS CCW	F0145701101	F014570110
LH CCW	.	F014570100
TS CCW	F0145701201	F014570120
RH CCW	.	F014570130

- ↻ 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

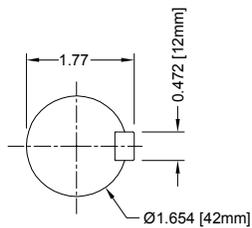
VOLUME DISPLACEMENT														
Speed (RPM)	9" HG		12" HG		15" HG		18" HG		21" HG		24" HG		27" HG	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
2600	409	10	389	13	352	17	317	20	266	24	104	26	-	-
2900	463	12	444	16	409	19	374	23	322	27	159	30	-	-
3200	518	14	499	18	466	22	431	26	379	30	214	33	-	-
3500	572	16	554	20	523	24	488	28	435	33	268	36	-	-
3800	626	18	609	22	580	26	545	31	491	36	323	40	-	-
4000	662	19	645	24	619	28	583	33	529	38	359	42	-	-
4200	699	20	682	25	657	30	622	35	566	40	396	44	-	-
4400	735	21	719	27	695	31	660	37	604	42	432	46	62	52
4600	771	22	755	28	733	33	698	38	641	43	469	49	105	55
4800	807	24	792	30	771	34	736	40	679	45	505	51	147 **	59 **

Volume displacement at maximum speed.
 ** For intermittent use only. (15 min / hour)

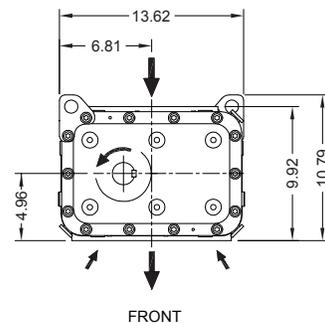
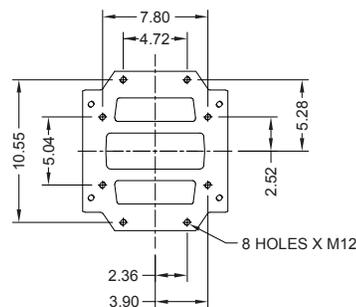
VTB807XL Dimensions



SHAFT DETAILS

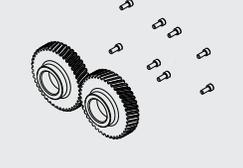
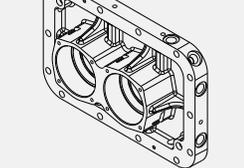


DISCHARGE FLANGE



- NOTES:
 1. ENGLISH UNITS (INCH) UNLESS OTHERWISE NOTED.
 2. WEIGHT: 344 lbs.
 3. C.W. SHAFT ROTATION ALSO AVAILABLE ON REQUEST.
 4. DO NOT USE FOR CONSTRUCTION.

Spare parts

<p>Kit 1 - STANDARD MAINTENANCE KIT No. R014210100</p>	<p>Kit 2 - SET OF RING HOLDERS No. R014092100</p>	<p>Kit 3 - SET OF GEARS No. P148502042</p>	<p>Kit 4 - HEAD PLATE No. P145200497</p>	<p>HIBON LUBE LUBE - 46086567</p>
				

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