

hibon

FRASERWOODS

FABRICATION & MACHINING LTD.



Air injection Vacuum Blower

VTB 810.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.

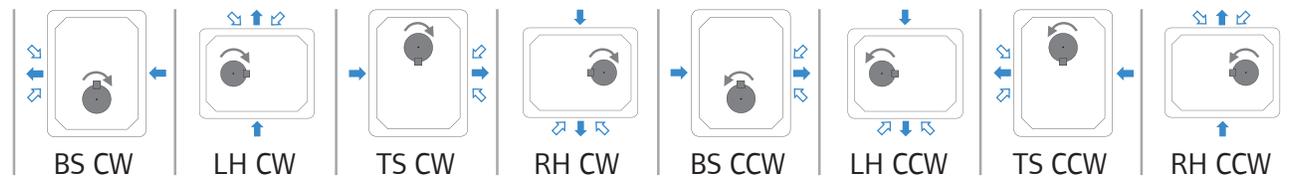
Characteristics of the VTB XL Series Blower

- 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

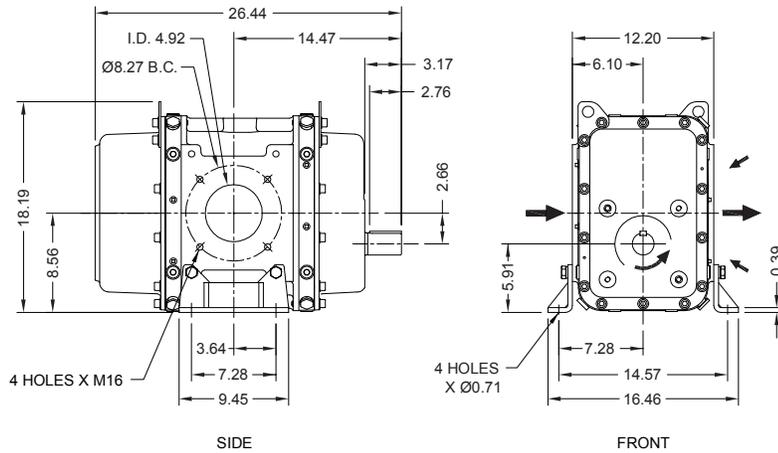
- ↻ Shaft rotation
- ➡ Air flow
- ⬇ Air injection
- RH = Right hand shaft
- LH = Left hand shaft
- BS = Bottom shaft
- TS = Top shaft
- CW = Clockwise rotation
- CCW = Counter clockwise rotation

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
2200	573	15	558	18	535	21	503	25	458	29	336	33	97	37
2600	700	18	686	22	665	26	634	31	593	35	478	39	231	44
2800	764	19	750	24	731	28	699	33	661	38	548	42	298	48
3000	827	21	814	26	796	30	765	36	729	41	619	46	365	52
3200	891	22	878	28	861	32	830	39	797	44	690	49	432	56
3400	955	24	942	30	927	35	896	42	864	47	760	53	499	60
3600	1019	26	1007	32	992	38	961	45	932	51	831	56	566**	63**
3800	1082	28	1071	35	1057	40	1027	49	1000	54	902**	60**	-	-

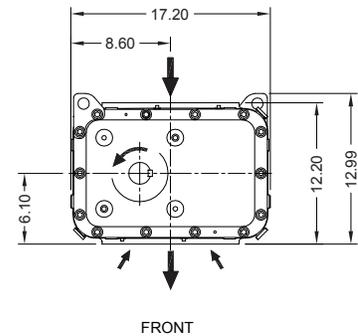
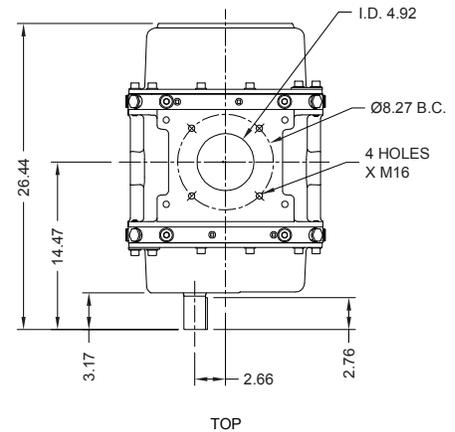
Volume displacement at maximum speed.
 ** For intermittent use only. (15 min / hour)

VTB810XL Dimensions

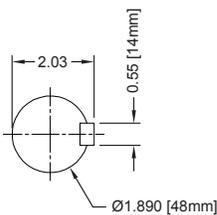
VERTICAL GEARS



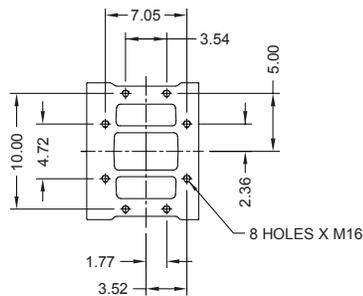
HORIZONTAL GEARS



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

Kit 1 - STANDARD MAINTENANCE KIT No. R015210100	Kit 2 - SET OF RING HOLDERS No. R015092100	Kit 3 - SET OF GEARS No. P158502042	Kit 4 - HEAD PLATE No. P155200497	HIBON LUBE LUBE - 46086567

HIB 015 RT8 - VTB Imperial letter V7

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