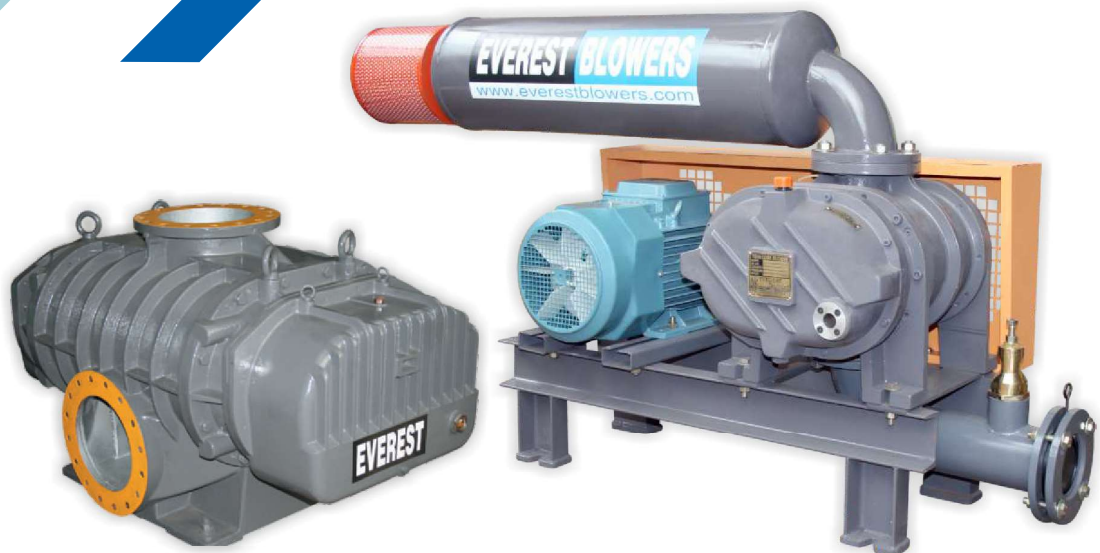


POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

TWIN LOBE & TRI-LOBE SERIES

CATALOGUE INCLUDES

Twin-lobe Rotary Air Blowers | Compressors
Tri-lobe Rotary Air Blowers | Compressors
Tri-lobe Vertical Rotary Air Blowers | Compressors
Twin Lobe Rotary Gas Blowers | Compressors
Integral Gear Box Design – High Speed Turbo Blowers
Multistage Centrifugal Blowers
Acoustic Hoods | Enclosures
Vacuum Pumps
Spares



QUALITY MANUFACTURE TRI-LOBE

Seal:

Low-wear, non-contacting, labyrinth-type seals ensure performance and long life.

Casing:

All Everest Blowers units are single-piece construction and precision machined cast iron, with ribs for strength and consistent thermal behavior.

Shafts:

Rotor shafts are alloy steel forgings that allow higher operating pressure and rotating speed

Bearings:

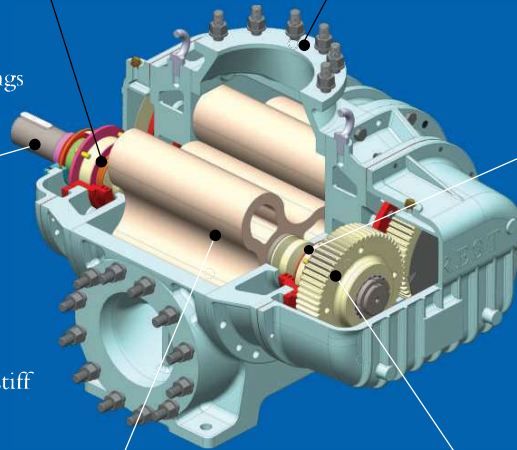
All Everest Blower units are using SKF/FAG bearings with long life. Anti-friction type vary with machine.

Rotors:

Made from CI or SG iron with stiff design for maximum life. By CNC and 3D machinery control to ensure the highest performance providing with trouble-free performance and durability.

Timing Gears:

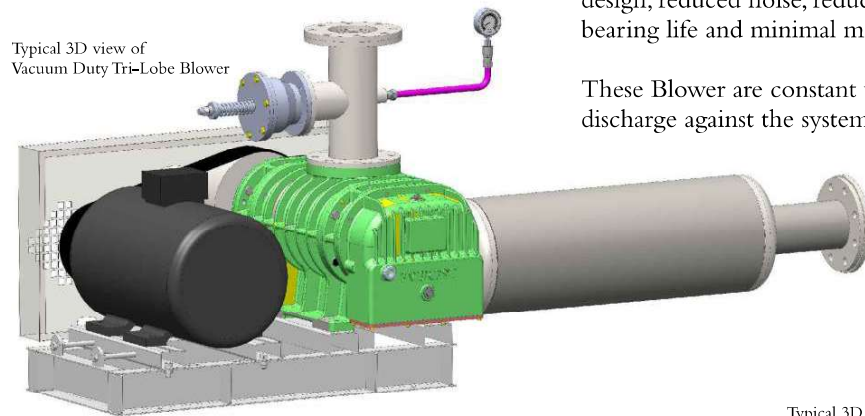
Forged steel gears with hardened and ground spur teeth to reduced vibrations and ensures accurate rotor to rotor timings for smooth and efficient operation.



ENQUIRY

- ⊙ Everest develops positive displacement blowers for a full range of application.
- ⊙ When enquiring, please inform us the following:
 - Application: Water Aeration, Pneumatic Conveying etc.
 - Specifications:
 - Suction Capacity (Air Flow Requirements)
 - Differential Pressure
 - Temperature
 - Humidity
 - Drive: Motor Type, Condition
 - Installation: Indoor or Outdoor, Ambient Temperature
 - Type of Gas: Name and Properties

TRI-LOBE BLOWER COMPLETE SET



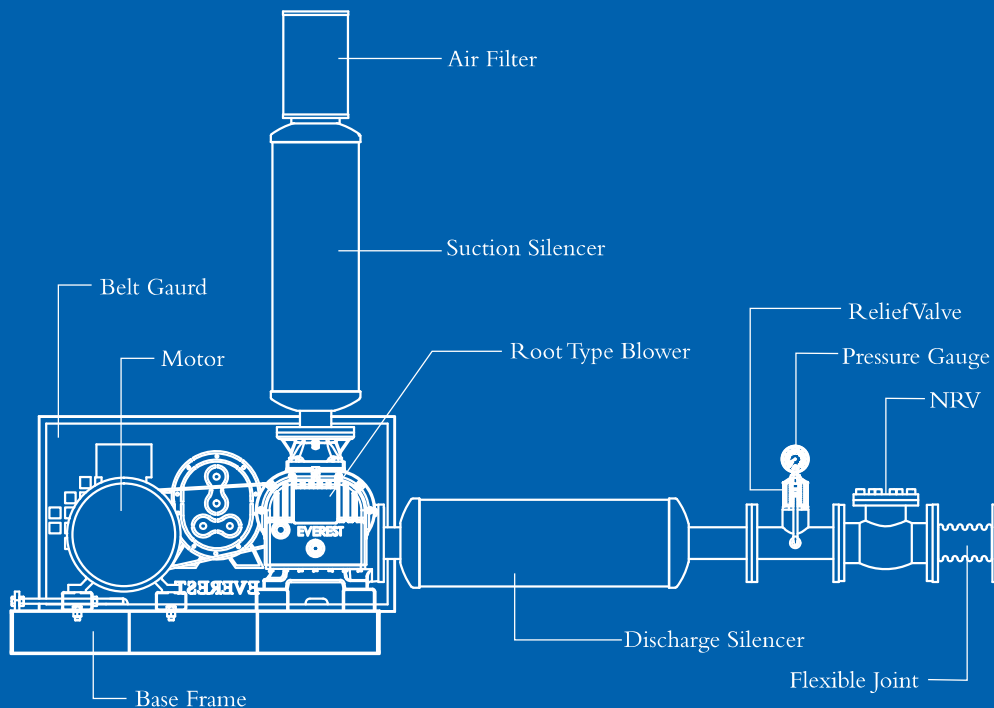
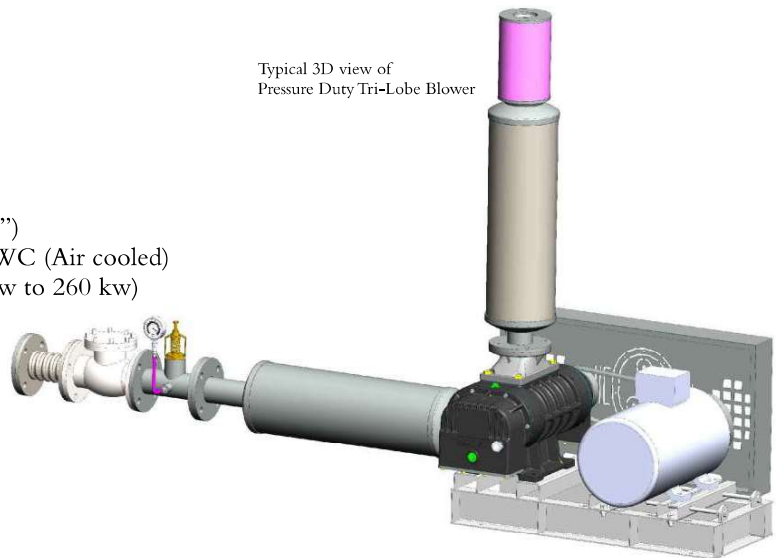
Everest Tri-lobe Rotary Air Blower have been designed keeping the specific demands of the industry of continuous duty operation, sturdy design, reduced noise, reduced pulsations and vibrations, longer bearing life and minimal maintenance in mind.

These Blower are constant volume machines, which deliver a fixed discharge against the system back pressure.

ADVANTAGE

Wide range of volume, pressure & horse power

- Bore : 25NB to 350NB (1" to 14")
- Pressure : 1000mmWC to 8000mmWC (Air cooled)
- Horse Power : 0.3 HP to 345 HP (0.22 kw to 260 kw)
- Capacity : 10 to 14000 m³/hr



TYPE MODEL TRILOBE SERIES

ETL025
ETL40
ETL65
ETL80
ETL100
ETL125
ETL150
ETL200
ETL250
ETL300
ETL350

Model
ETL-275
to be
launched in
Nov-2019

PERFORMANCE TABLE TRILOBE ROTARY BLOWERS

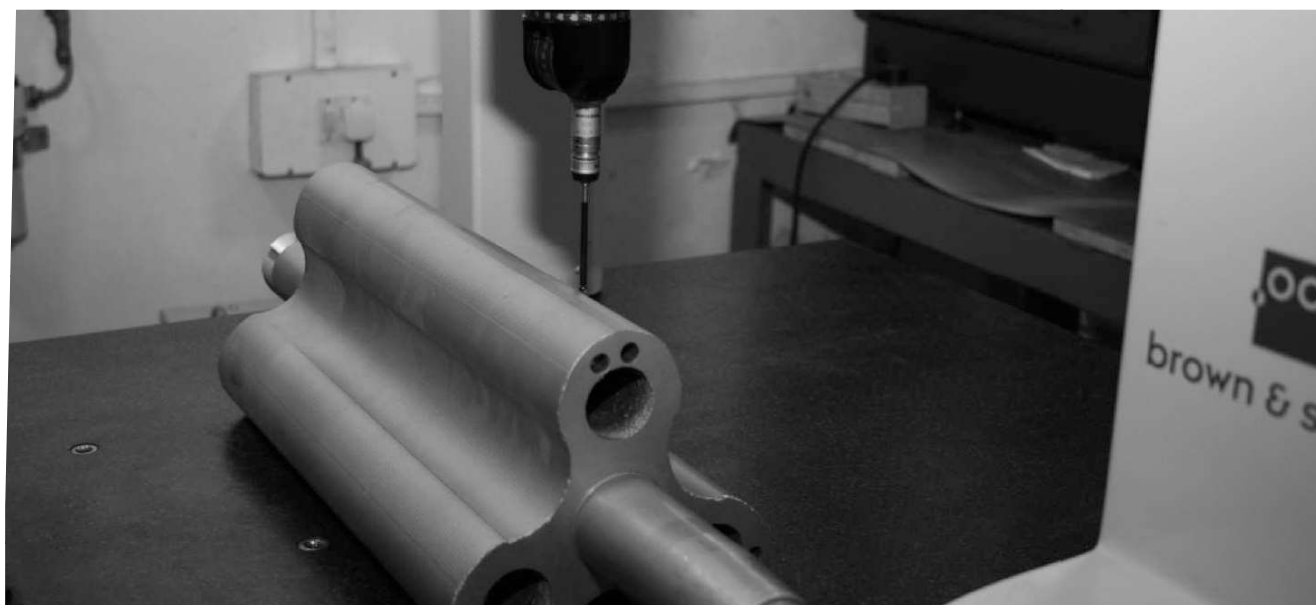
AIR COOLED																	
MODEL	SPEED	1000 mmWC		2000 mmWC		3000 mmWC		4000 mmWC		5000 mmWC		6000 mmWC		7000 mmWC		8000 mmWC	
	RPM	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW
ETL025	2850	26	0.3	23	0.4	20	0.5	18	0.6	16	0.7						
ETL40	1500	31	0.2	25	0.4	21	0.5	17	0.6	14	0.7	11	0.8				
	1800	40	0.3	34	0.4	30	0.6	26	0.7	23	0.9	20	1.0				
	2200	52	0.3	46	0.5	42	0.7	38	0.9	35	1.1	32	1.2				
	2500	61	0.4	55	0.6	51	0.8	47	1.0	44	1.2	41	1.4				
	2900	73	0.5	67	0.7	62	0.9	59	1.2	56	1.4	53	1.6				
	3200	81	0.5	76	0.8	71	1.0	68	1.3	64	1.5	61	1.8				
	3600	93	0.6	88	0.9	83	1.1	80	1.4	76	1.7	73	2.0				
ETL65	800	116	0.8	100	1.2	87	1.6	77	2.0	67	2.5	59	2.9	51	3.3	44	3.7
	1100	174	1.1	158	1.7	145	2.2	135	2.8	125	3.4	117	4.0	109	4.5	102	5.1
	1400	232	1.4	216	2.1	203	2.8	193	3.6	184	4.3	175	5.0	167	5.8	160	6.5
	1700	290	1.7	274	2.6	261	3.4	251	4.3	242	5.2	233	6.1	226	7.0	218	7.9
	2100	368	2.0	351	3.2	339	4.3	328	5.4	319	6.5	311	7.6	303	8.7	296	9.8
	2500	445	2.4	429	3.8	416	5.1	406	6.4	397	7.7	388	9.0	381	10.3	373	11.6
	2800			487	4.2	475	5.7	464	7.2	455	8.6	446	10.1	439	11.6	432	13.0
ETL80	800	209	1.4	179	2.1	155	2.9	136	3.7	118	4.4	102	5.2	88	6.0	74	6.8
	1100	315	1.9	285	2.9	261	4.0	242	5.1	224	6.1	209	7.2	194	8.2	181	9.3
	1400	422	2.4	391	3.7	368	5.1	348	6.4	330	7.8	315	9.1	300	10.5	287	11.8
	1800	563	3.1	533	4.8	509	6.5	489	8.3	472	10.0	456	11.7	442	13.5	428	15.2
	2200	705	3.8	674	5.9	651	8.0	631	10.1	614	12.2	598	14.3	583	16.4	570	18.6
	2500					757	9.1	737	11.5	720	13.9	704	16.3	689	18.7	676	21.1
	2700													760	20.2	747	22.8
ETL100	800	306	1.7	270	2.7	242	3.8	218	4.9	197	6.0	179	7.0	161	8.1	145	9.2
	1100	454	2.3	418	3.8	390	5.2	366	6.7	345	8.2	326	9.7	309	11.1	293	12.6
	1400	602	2.9	565	4.8	537	6.7	514	8.5	493	10.4	474	12.3	457	14.2	441	16.0
	1700	750	3.5	713	5.8	685	8.1	662	10.4	641	12.7	622	14.9	605	17.2	589	19.5
	2100	947	4.4	911	7.2	883	10.0	859	12.8	838	15.6	819	18.4	802	21.3	786	24.1
	2500	1144	5.2	1108	8.6	1080	11.9	1056	15.3	1035	18.6	1016	22.0	999	25.3		
	2800	1292	5.8	1256	9.6	1228	13.3	1204	17.1	1183	20.8	1164	24.6				
ETL125	800	640	2.8	589	4.9	550	7.0	517	9.0	488	11.1	462	13.2	438	15.3	416	17.3
	1000	831	3.5	780	6.1	741	8.7	708	11.3	679	13.9	653	16.5	629	19.1	606	21.7
	1200	1022	4.2	971	7.3	932	10.4	899	13.6	870	16.7	844	19.8	820	22.9	797	26.0
	1400	1212	4.9	1161	8.6	1122	12.2	1090	15.8	1061	19.4	1034	23.1	1010	26.7	988	30.3
	1600	1403	5.6	1352	9.8	1313	13.9	1280	18.1	1251	22.2	1225	26.4	1201	30.5	1179	34.7
	1800	1594	6.3	1543	11.0	1504	15.7	1471	20.3	1442	25.0	1416	29.7	1392	34.3	1369	39.0
	2000	1784	7.0	1734	12.2	1695	17.4	1662	22.6	1633	27.8	1606	33.0	1582	38.1	1560	43.3
ETL150	800	863	3.4	813	6.1	775	8.8	743	11.4	715	14.1	689	16.8	665	19.4	643	22.1
	1000	1109	4.3	1059	7.6	1021	11.0	989	14.3	960	17.6	935	21.0	911	24.3	889	27.6
	1200	1355	5.1	1305	9.1	1267	13.1	1235	17.1	1206	21.2	1181	25.2	1157	29.2	1135	33.2
	1400	1600	6.0	1551	10.7	1512	15.3	1480	20.0	1452	24.7	1426	29.4	1403	34.0	1381	38.7
	1600	1846	6.8	1796	12.2	1758	17.5	1726	22.9	1698	28.2	1672	33.5	1649	38.9	1627	44.2
	1800	2092	7.7	2042	13.7	2004	19.7	1972	25.7	1944	31.7	1918	37.7	1894	43.8	1872	49.8
	2000	2338	8.5	2288	15.2	2250	21.9	2218	28.6	2189	35.3	2164	41.9	2140	48.6	2118	55.3

Red value for BKW indicate suitable for Intermittent Duty Applications only. Not fit for continuous 24/7 running.

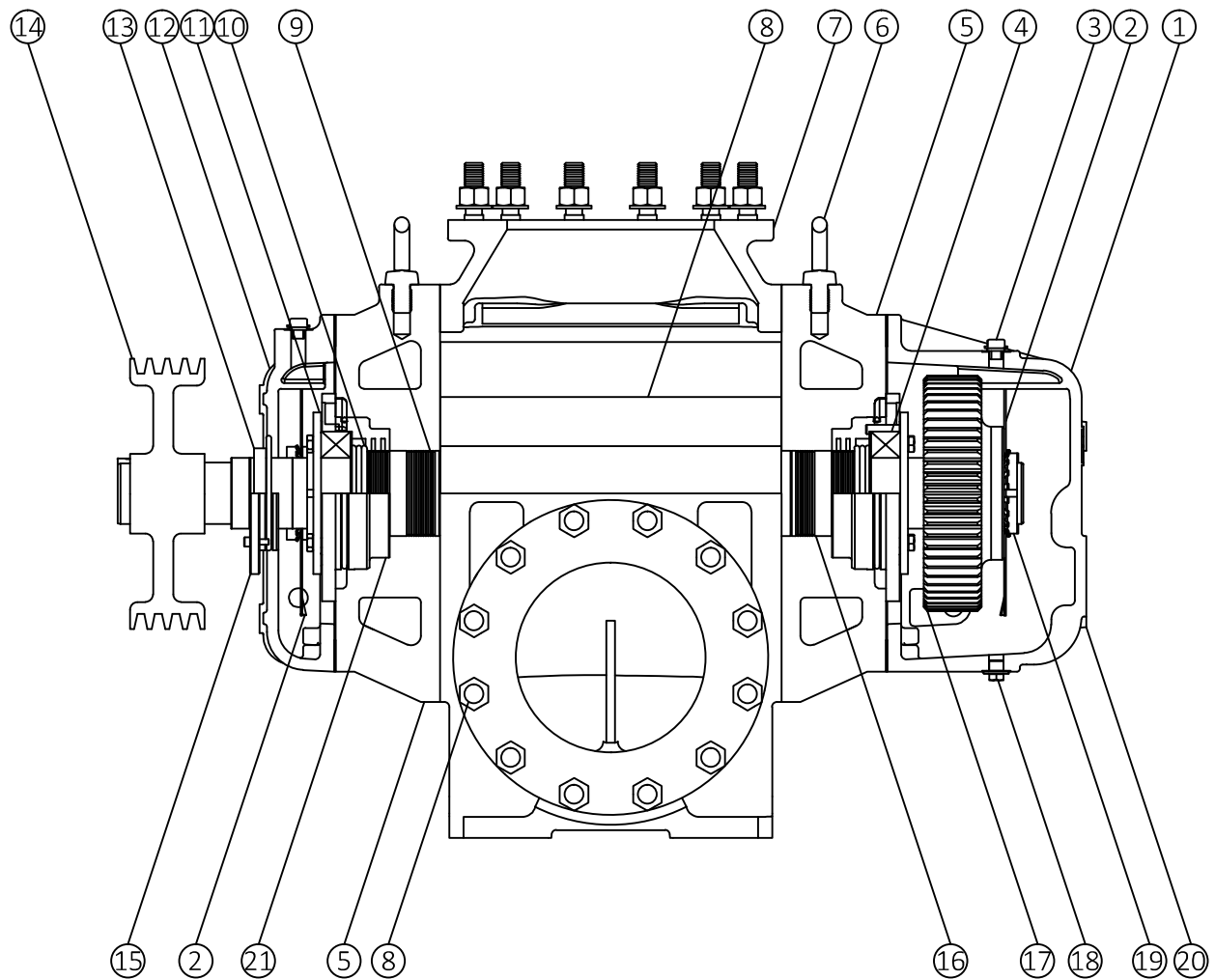
PERFORMANCE TABLE TRILOBE ROTARY BLOWERS

AIR COOLED																	
MODEL	SPEED	1000 mmWC		2000 mmWC		3000 mmWC		4000 mmWC		5000 mmWC		6000 mmWC		7000 mmWC		8000 mmWC	
	RPM	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW	m³/hr	BKW
ETL200	800	1403	6.5	1309	11.0	1236	15.4	1175	19.8	1121	24.3	1072	28.7	1027	33.1	986	37.6
	1000	1811	8.2	1717	13.7	1644	19.2	1583	24.8	1529	30.3	1480	35.9	1435	41.4	1393	46.9
	1200	2219	9.8	2124	16.4	2052	23.1	1991	29.7	1937	36.4	1888	43.0	1843	49.7	1801	56.3
	1400	2627	11.4	2532	19.2	2460	26.9	2399	34.7	2345	42.5	2296	50.2	2251	58.0	2209	65.7
	1500	2831	12.2	2736	20.5	2664	28.9	2603	37.2	2549	45.5	2500	53.8	2455	62.1	2413	70.4
	1700	3239	13.9	3144	23.3	3072	32.7	3010	42.1	2957	51.5	2908	61.0	2863	70.4	2821	79.8
	1800	3443	14.7	3348	24.7	3276	34.6	3214	44.6	3161	54.6	3112	64.6	3067	74.5	3025	84.5
ETL250	800	2199	8.9	2076	15.7	1981	22.4	1902	29.2	1831	36.0	1768	42.8	1709	49.6	1655	56.4
	1000	2823	11.1	2700	19.6	2605	28.1	2526	36.5	2455	45.0	2392	53.5	2334	62.0	2279	70.4
	1200	3447	13.3	3324	23.5	3230	33.7	3150	43.8	3080	54.0	3016	64.2	2958	74.4	2903	84.5
	1400	4071	15.5	3948	27.4	3854	39.3	3774	51.1	3704	63.0	3640	74.9	3582	86.8	3528	98.6
	1600	4696	17.7	4572	31.3	4478	44.9	4398	58.4	4328	72.0	4264	85.6	4206	99.2	4152	112.7
	1700	5008	18.9	4884	33.3	4790	47.7	4710	62.1	4640	76.5	4576	90.9	4518	105.3	4464	119.8
	1800	5320	20.0	5196	35.2	5102	50.5	5022	65.8	4952	81.0	4889	96.3	4830	111.5	4776	126.8
ETL300	800	4911	18	4726	33	4583	47	4464	62	4358	76	4263	91	4175	105	4093	120
	1000	6250	23	6065	41	5923	59	5803	77	5698	95	5602	114	5515	132	5433	150
	1200	7589	27	7404	49	7262	71	7142	93	7037	115	6942	136	6854	158	6772	180
	1400	8929	32	8744	57	8602	83	8482	108	8376	134	8281	159	8193	185	8112	210
	1600	10268	36	10083	65	9941	95	9821	124	9716	153	9620	182	9533	211		
	1700	10938	39	10753	69	10611	100	10491	131	10385	162	10290	193	10202	224		
	1800	11607	41	11422	74	11280	106	11161	139	11055	172	10960	205	10872	237		
E3HF350	650	8958	35	8658	62	8418	90	8208	117	8022	144	7860	172				
	730	10170	40	9870	69	9630	101	9420	131	9234	162	9072	192				
	800	11220	43	10920	78	10680	110	10470	143	10284	177	10122	210				
	880	12438	47	12138	85	11898	121	11688	158	11502	195	11340	231				
	980	13944	52	13644	94	13404	135	13194	175	13008	216	12846	257				

Red value for BKW indicate suitable for Intermittent Duty Applications only. Not fit for continuous 24/7 running.



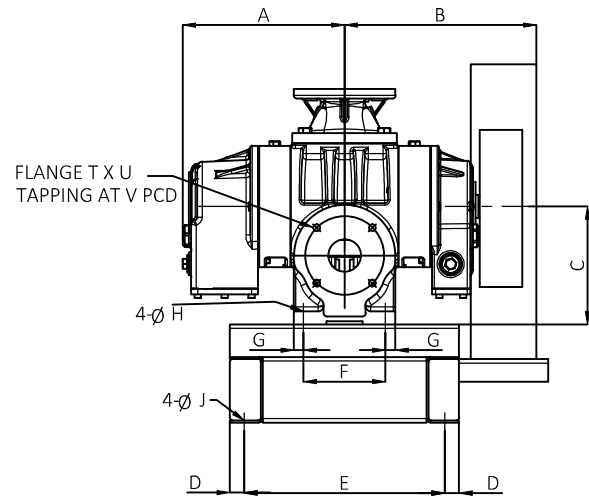
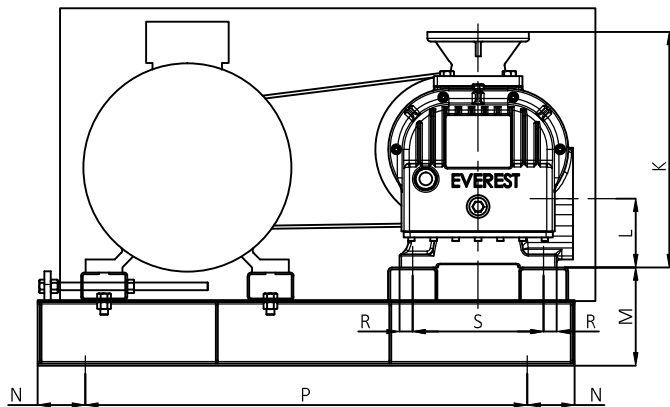
TRI-LOBE STRUCTURE OF MATERIAL



TRILOBE BLOWER STRUCTURE & MATERIAL DETAIL

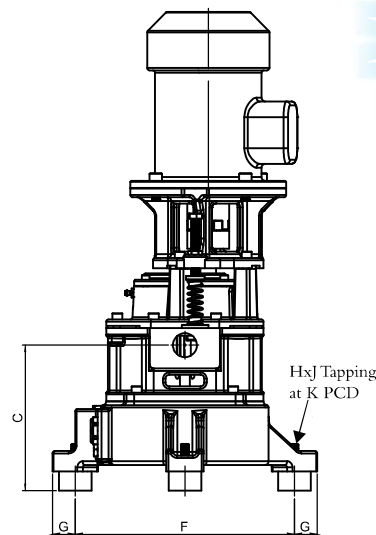
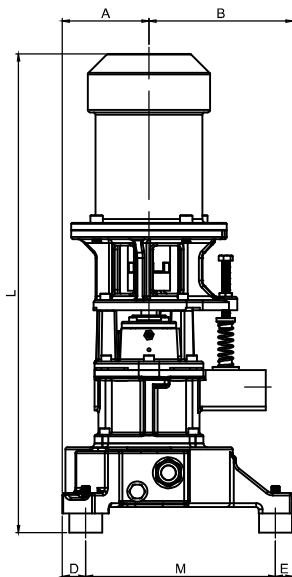
NO.	NAME	MATERIAL	NO.	NAME	MATERIAL
1	GSP Cover	C.I. FG200	12	PSP Cover	C.I. FG200
2	Oil Splasher	CR Sheet / Aluminum	13	Oil Seal	Nitrile/Viton
3	Oil Fill Plug	M.S. / Brass	14	Pulley	C.I.
4	Bearing	Alloy Steel	15	Oil Seal Housing	C.I. FG260
5	Side Plate	C.I FG260	16	Shaft	EN8/EN19
6	Lifting Hook	MS	17	Timing Gear	Alloy Steel
7	Body	C.I. FG260	18	Drain Plug	M.S. Magnetic
8	Rotor	CI/SG Iron	19	Chuck Nut	M.S.
9	Labyrinth Seal	SS/EN8	20	Oil Indicator	Aluminum
10	O-Ring	Viton/Nitrile	21	Bearing Housing	C.I.FG260
11	Bearing Clamp	M.S.	22	-	-

TRI-LOBE DIMENSIONS AND WEIGHT



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	WT. (KG)	Line size (NB)	Noise Level dB(A)	Orientation
ETL40	175	178	120	20	90	90	15	12	12	201	44	75	75	550	18	135	-	1.5" BSP	-	150	40	79	RAF
ETL65	290	340	180	22	306	200	20	15	12	360	105	150	73	675	20	200	4	M12	140	350	65	81	RAF
ETL80	326	400	225	25	300	190	20	15	12	370	120	150	100	675	25	250	4	M16	160	400	80	87	RAF
ETL100	376	450	225	25	400	290	20	15	12	370	120	150	100	675	25	250	8	M16	180	440	100	87	RAF
ETL125	434	520	310	33	535	320	24	19	15	515	155	200	200	900	25	350	8	M20	210	960	125	87	RAF
ETL150	489	566	310	33	635	424	24	19	15	515	155	200	200	900	25	350	8	M20	239	1090	150	94	RAF
ETL200	501	570	363	33	635	270	35	23	15	651	190	200	235	1180	30	570	12	M20	299	2150	200	103	RAF
ETL250	596	666	390	33	725	450	40	23	19	678	215	200	235	1180	30	570	12	M20	362	2380	250	105	RAF
ETL300	818	1030	490	33	1165	650	68	27	19	795	240	200	250	1325	35	710	12	M20	406	4150	300	108	RAF

* Max. height of blower (From hook top to foot bottom or Blower Discharge top to foot bottom) Units: mm, Weight (WT.): Blower weight in "Kg"
The above Noise Level are given considering Blower without Acoustic Hood at 1500 RPM and 4000 - 5000 mmWC



ETL025 VERTICAL AIR BLOWER

Model	A	B	C	D	E	F	G	H	J	K	L	M	WT. (KG)	Line size (NB)	Noise Level dB(A)	Orientation
ETL025	112	185	187	30	22.5	281	8	3	M10	325	615	244	42	25	85	HF

* Max. height of blower (From hook top to foot bottom or Blower Discharge top to foot bottom) Units: mm, Weight (WT.): Blower weight in "Kg"
The above Noise Level are given considering Blower without Acoustic Hood at 1500 RPM and 4000 - 5000 mmWC

SCOPE OF SUPPLY (TWIN LOBE & TRILOBE ROOTS AIR BLOWERS)



Everest Blowers are **available as package units, ready to install** or as bare blower units for replacement

A) Bare Blower:

1. Blower; 2. Suction & Discharge ICP/Companion Flanges; 3. Blower Pulley

B) Blower With Standard Accessories (Pressure Duty) Including Water Cooled Blowers:

1. Blower; 2. Common Motor & Blower Base Frame with Motor Rails & Belt Tightening Arrangement; 3. Belt Guard / Coupling Guard; 4. Suction Air Filter; 5. Suction Silencer; 6. Pressure Gauge; 7. Safety Relief Valve (Spring Loaded Type); 8. Pulleys & Vee Belts / Coupling; 9. Foundation Bolts; 10. Interconnecting Pipe with Companion Flange; 11. O&M Manual

C) Additional Accessories (Available As Per Requirements):

1. NRV; 2. V Belt; 3. Discharge Silencer; 4. AVP; 5. Motor; 6. Differential Pressure Gauge Across Filter; 7. Temp. Gauge; 8. Special Paint; 9. Inspection; 10. Packing

D) Blower with Standard Accessories (Vacuum Duty):

1. Blower; 2. Common Motor & Blower Base Frame with Motor Rails & Belt Tightening Arrangement; 3. Belt Guard / Coupling Guard; 4. Discharge Silencer; 5. Vacuum Gauge; 6. Vacuum Relief Valve (Spring Loaded Type); 7. Pulleys & Vee Belts / Coupling; 8. Foundation Bolts; 9. Interconnecting Pipe with Companion Flange; 10. O&M Manual

E) Blower with Standard Accessories (Gas Duty):

1. Blower; 2. Common Motor & Blower Base Frame with Motor Rails & Belt Tightening Arrangement



Due to constant improvements, technical specifications are subject to change without notice. For further clarifications, contact our technical team who shall be glad to assist you to overcome application related problems.

SPARES & ACCESSORIES

100% inhouse manufacturing.

Buy only GENUINE Everest Products.

Retain your advantage with factory genuine replacement parts & accessories. All parts meet original manufacturing specifications and tolerances for guaranteed fit and function. Pre-packaged overall kits with detailed service manuals are available on request.



FEATURES

- Readily available
- Fast delivery
- Guaranteed fit and function
- Service kits for routine product maintenance

SPARES

Bearings, Oil Seals, Gears, Rotors, Spacer Bushes, Blower lubricant, Gaskets, Piston Rings, Body, Plate

ACCESSORIES

Safety Relief Valves, Filters, Suction Silencers, Discharge Silencers, Pulleys, Vee Belts, Hubs, Drive couplings, Pressure Gauge, Vacuum Gauge, Non Return Valves, Base Frame, Beltguard

Due to constant improvements, technical specifications are subject to change without notice. For further clarifications, contact our technical team who shall be glad to assist you to overcome application related problems.

WE ARE BIGGEST ROOTS BLOWER MANUFACTURERS IN INDIA

- Leading By Innovation
- Technically Stronger
- Physically More Connected
- Ready to take INDIA Global

ROOTS BLOWER & VACUUM PUMP [CATALOGUE]

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More than 1,50,000 of Everest Blowers are running in over 38 countries world wide.