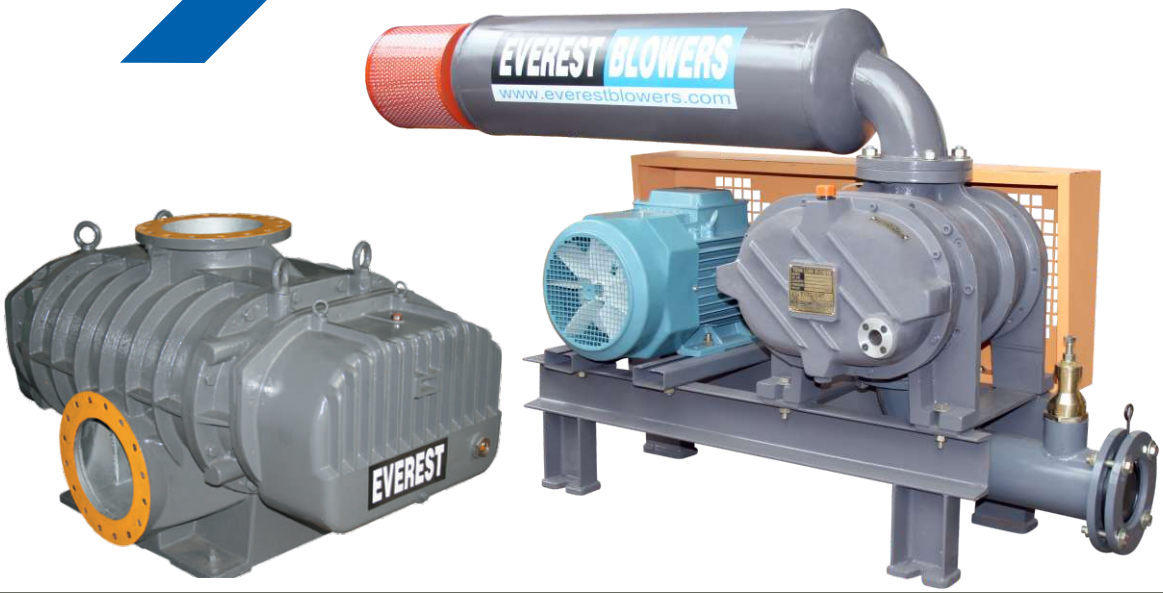
EVEREST
PRESSURE & VACUUM SYSTEMS

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 Seppd Turbo Blowers
Multistage Centrifugal Blowers
Acoustic Hoods | Enclosures
Vacuum Pumps
Spares

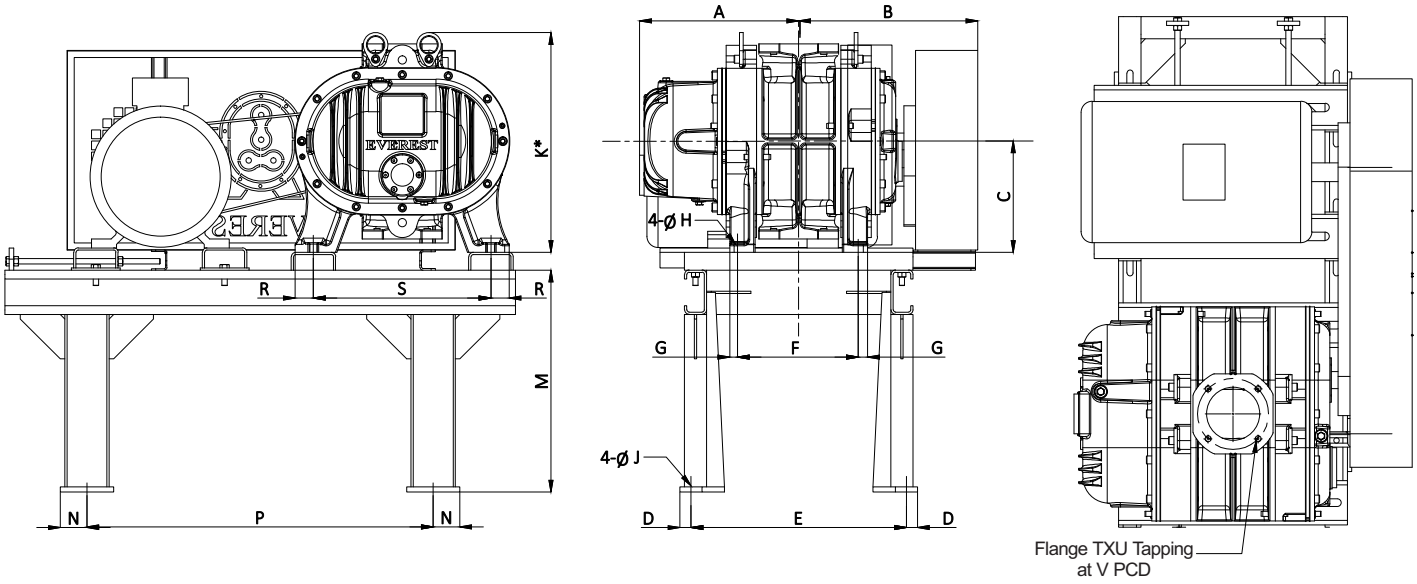


FILTRA CONSULTANTS AND ENGINEERS LTD.
Gala No. 2 & 3, Ground Floor, Neminath Industrial Estate No. 2, Navghar, Vasai (East), Dist.: Palghar - 401 219
Tel.: +91 8691009127/26 Email: filtraw@gmail.com Website: www.ewatertreatmentindia.com

PERFORMANCE TABLE TWIN-LOBE ROTARY BLOWERS

AIR COOLED															
MODEL	SPEED	1000 mmWC		2000 mmWC		3000 mmWC		4000 mmWC		5000 mmWC		6000 mmWC		7000 mmWC	
	RPM	m^3/hr	BKW	m^3/hr	BKW	m^3/hr	BKW	m^3/hr	BKW	m^3/hr	BKW	m^3/hr	BKW	m^3/hr	BKW
M5125	700	147	0.9	124	1.5	107	2.0	92	2.6	79	3.1	67	3.7	57	4.2
	1000	234	1.3	211	2.1	194	2.9	179	3.7	166	4.4	154	5.2	143	6.0
	1500	378	2.0	356	3.1	338	4.3	323	5.5	310	6.7	298	7.8	288	9.0
	1900	494	2.5	471	4.0	454	5.5	439	7.0	426	8.5	414	9.9	403	11.4
	2200	581	2.9	558	4.6	540	6.3	526	8.1	513	9.8	501	11.5	490	13.2
	2500	667	3.3	644	5.2	627	7.2	612	9.2	599	11.1	587	13.1	577	15.0
	2800	754	3.7	731	5.9	714	8.1	699	10.3	686	12.5	674	14.7	663	16.9

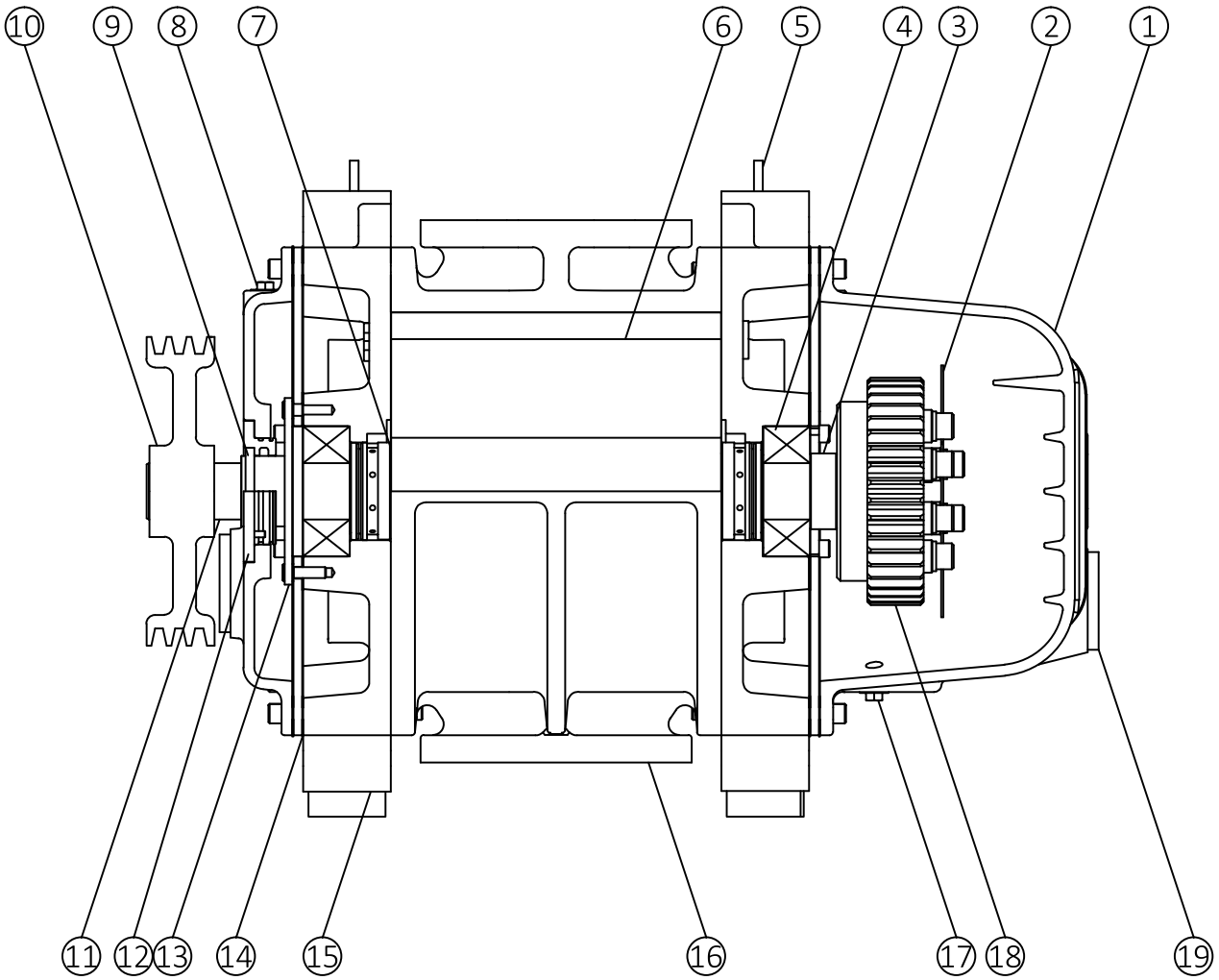
TWIN-LOBE DIMENSIONS AND WEIGHT



Model	A	B	C	D	E	F	G	H	J	K*	M	N	P	R	S	T	U	V	WT. (KG)	Line size (NB)	Noise Level dB(A)	Orientation
5125	265	286	220	22	316	201	23	14	12	357	260	60	720	49	304	2	M10	112	350	80	85	VF

* 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

TWIN-LOBE STRUCTURE OF MATERIAL



TWIN-LOBE BLOWER STRUCTURE & MATERIAL DETAIL

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

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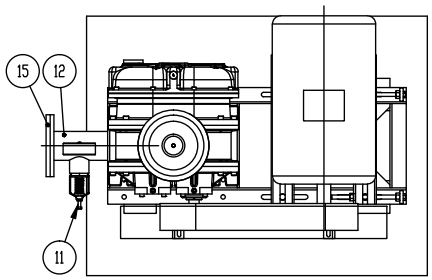
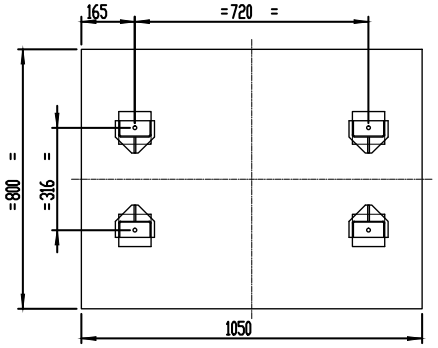
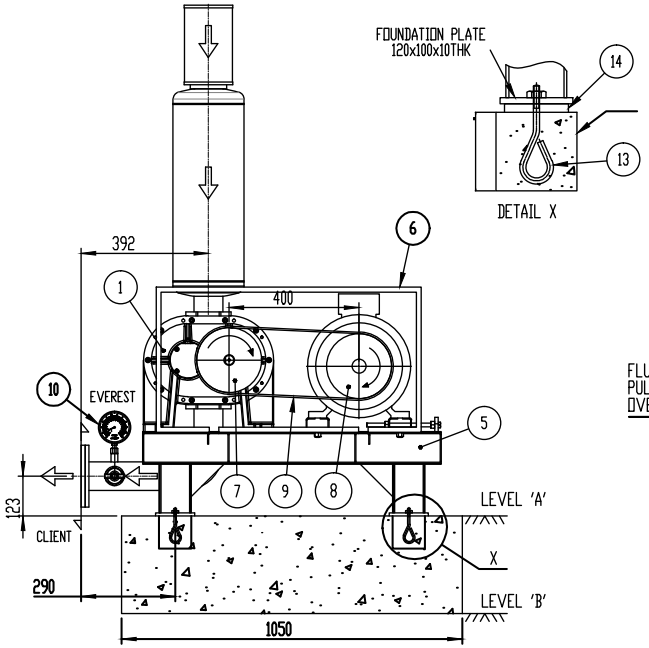
REVISIONS			
REV.	DISCRIPTION	DATE	APPD.

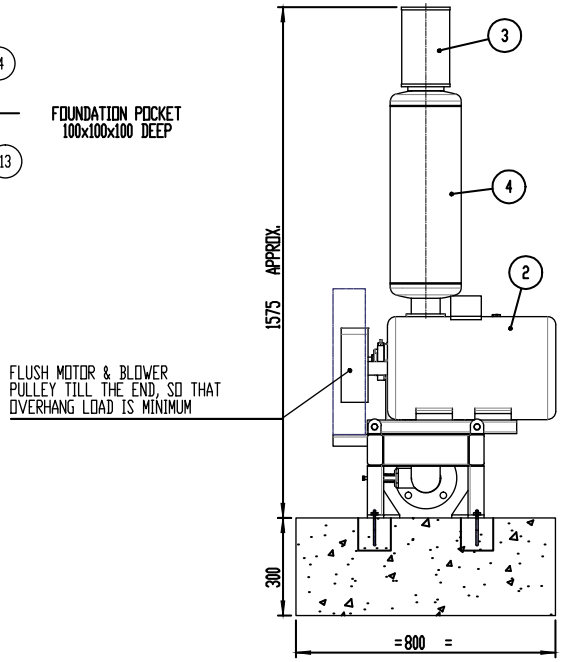




FOUNDATION PLAN LAYOUT

EQUIPMENT NAME	
MODEL NO	M5125
QUANTITY	
CLIENT	
P.O. REF.	
BLOWER DATA	
CAPACITY	
PRESSURE	
SPEED	
B.H.P	
MOTOR	





S.NO	PART	DESCRIPTION/DRG NO/REF.DOC	QTY	MAKE
15	COMPANION FLANGE	80 NB, DRILLING AS PER ANSI B16.5	1	EVEREST
14	ANTI VIBRATION PADS	RUBBER	4	EVEREST
13	FOUNDATION BOLT	FOUNDATION BOLT M10x100 N IS 5624:1993	4	EVEREST
12	DISCHARGE BEND 80NB	PDC012101100	1	EVEREST
11	PR. RELIEF VALVE	1.5" SPRING LOADED	1	EVEREST
10	PRESSURE GAUGE	BOURDEN TYPE/ 100MM DIAL (0-1KG/ CM^2) 1/4" BSP MALE	1	EVEREST
9	V-BELTS	E-TECH-032	1	EVEREST
8	MOTOR PULLEY	E-TECH-032	1	EVEREST
7	BLOWER PULLEY	E-TECH-032	1	EVEREST
6	BELT GUARD	PDC004101002	1	EVEREST
5	BASE FRAME	PDC002102502	1	EVEREST
4	SUCTION SILENCER (80NB)	PDC003105200	1	EVEREST
3	SUCTION AIR FILTER	AF300	1	EVEREST
2	ELECTRIC MOTOR	STD	1	EVEREST /CLIENT
1	AIR BLOWER	M5125	1	EVEREST

NOTES & RECOMMENDATIONS :-

1. CLIENT SCOPE- FOUNDATION, DISCHARGE LINE & ITS TREATMENT FOR CORROSION PROTECTION & SOUND PROOFING .
2. BLOWER ROTATION CLOCKWISE AS VIEWED FROM PULLEY SHAFT END.
3. GROUND LEVEL WILL BE AT LEVEL 'A' FOR DIGOUT BASE AND AT LEVEL 'B' FOR RAISED BASE.

STATIC LOAD :-

1. STATIC WEIGHT OF BLOWER = 117 KG
2. STATIC WEIGHT OF MOTOR= 167 KG
3. WEIGHT OF ACCESSORIES = 65 KG (APPROX.)
4. STATIC WEIGHT OF ASSEMBLY =349 KG (APPROX.)
5. DYNAMIC LOAD AS SLY= 1.5x STATIC LOAD= 523 KG (APPROX.)

TITLE:- GA M5125/160L WITH STD ACCESSORIES

GA FOR TENTATIVE USE

DRN:- M.K	CKD:- P.SINGH	APP'D:- DM	DATE:- 24.05.16	MATL:- AS PER BOM
DRG NO:- PDG001003901		GA-M5125_FOR TENTIVE USE		REV-01

SHEET:- A3

QTY:-	SHEET:-
01	1 OF 1

SCALE TO SCALE

CAST WT.	FINISH WT.
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