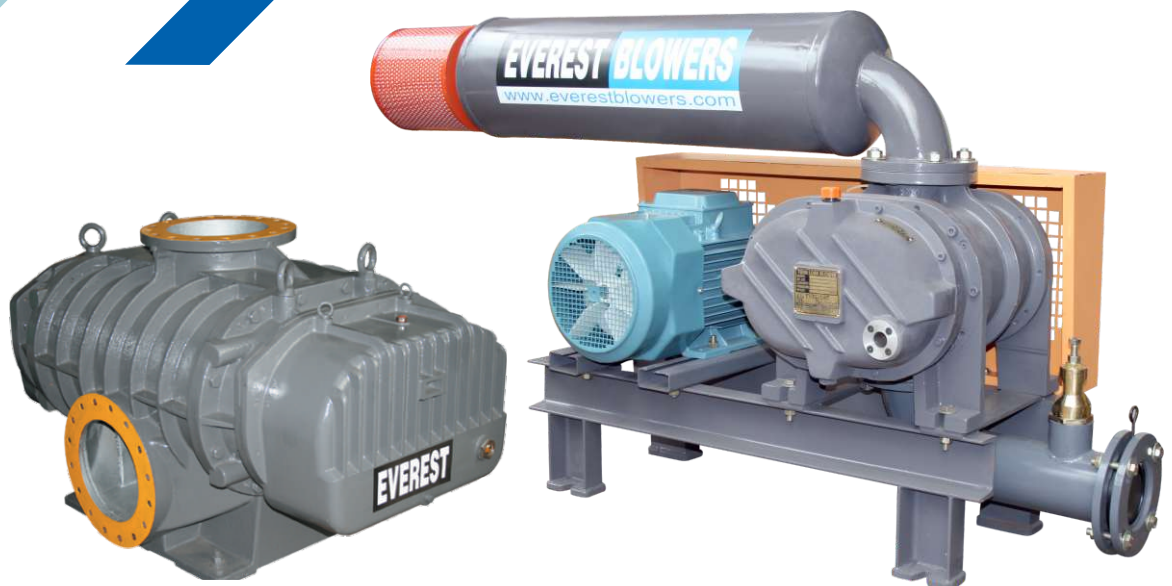


POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

TWIN LOBE & TRI-LOBE SERIES

CATALOGUE INCLUDES

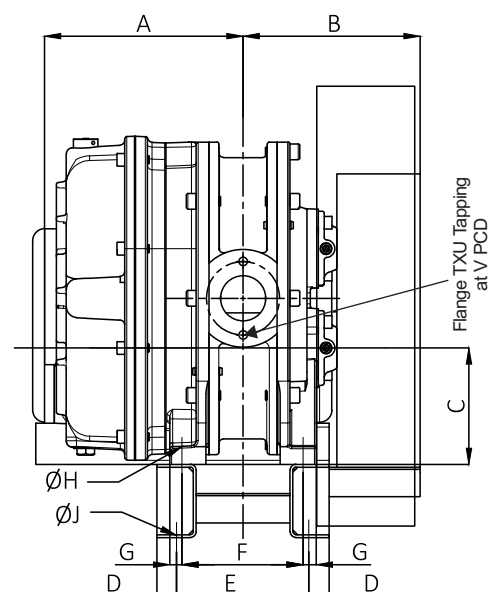
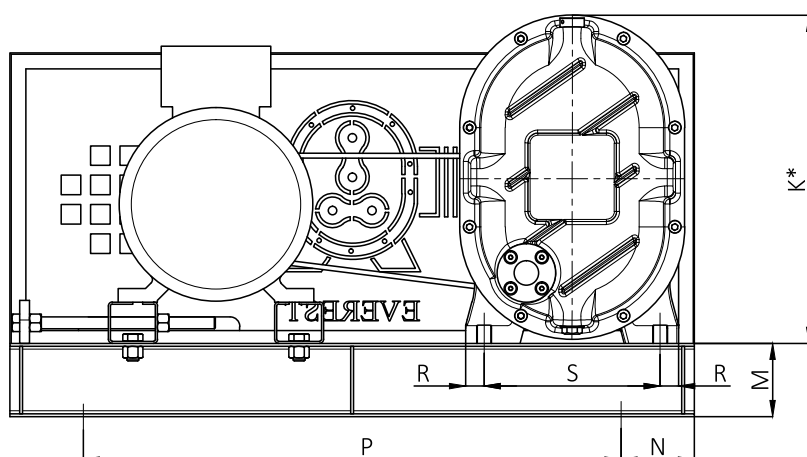
Twin-lobe Rotary Air Blowers | Compressors
Tri-lobe Rotary Air Blowers | Compressors
Tri-lobe Vertical Rotary Air Blowers | Compressors
Twin Lobe Rotary Gas Blowers | Compressors
Integral Gear Box Design - High Seppd Turbo Blowers
Multistage Centrifugal Blowers
Acoustic Hoods | Enclosures
Vacuum Pumps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



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
M5175	700	206	1.1	174	1.9	150	2.7	129	3.4	111	4.2	94	5.0	79	5.8
	1000	327	1.6	295	2.7	271	3.8	250	4.9	232	6.0	216	7.1	200	8.2
	1500	530	2.4	498	4.1	473	5.7	453	7.4	434	9.0	418	10.7	403	12.3
	1900	691	3.1	660	5.2	635	7.3	614	9.3	596	11.4	580	13.5	565	15.6
	2200	813	3.6	781	6.0	756	8.4	736	10.8	718	13.2	701	15.7		
	2500	934	4.1	902	6.8	878	9.5	857	12.3	839	15.0				
	2800	1056	4.5	1024	7.6	999	10.7	978	13.8	960	16.9				

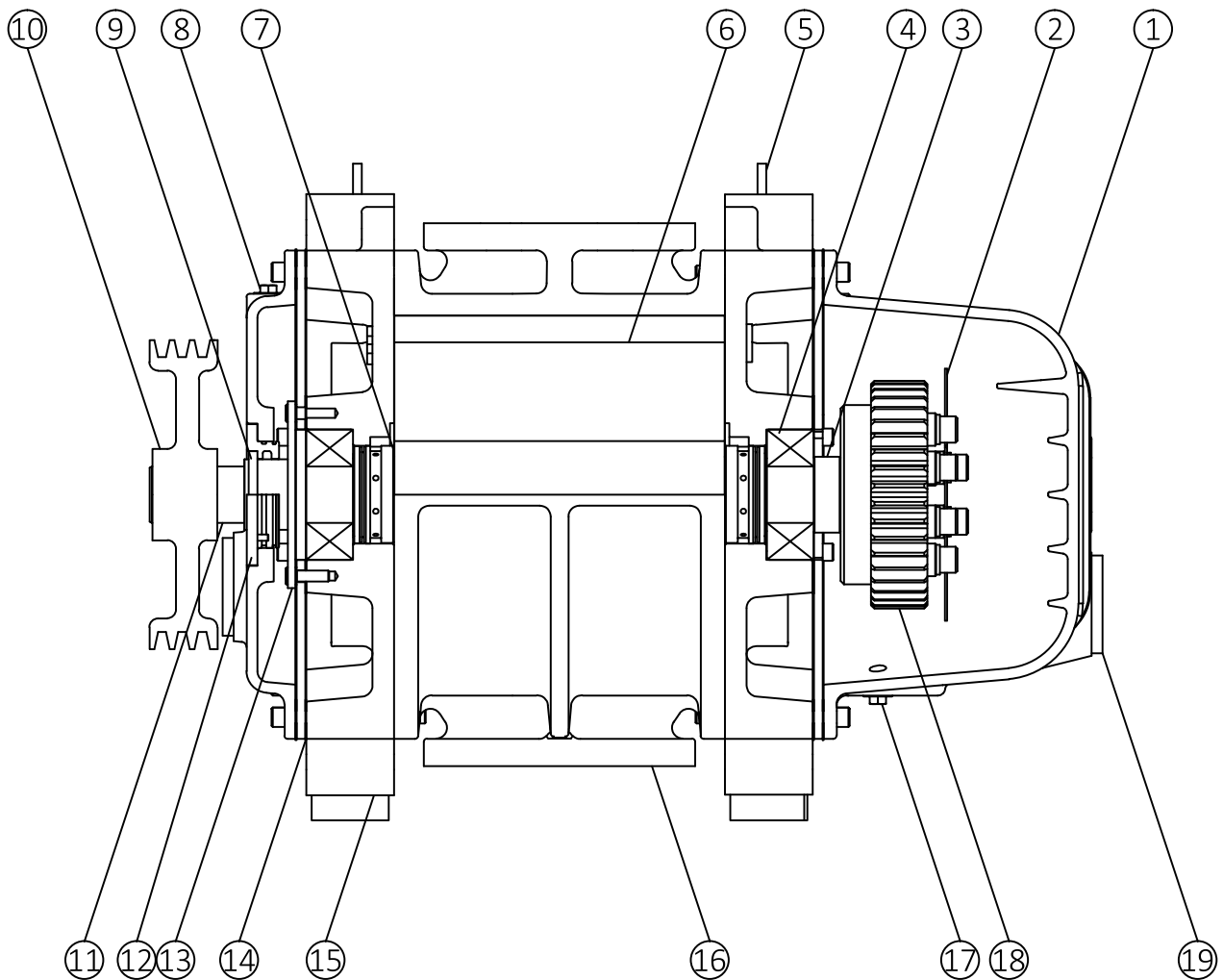
TWIN-LOBE DIMENSIONS AND WEIGHT



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
5175	288	301	220	22	252	252	23	14	12	395	100	90	720	48	304	4	M16	160	390	100	85	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

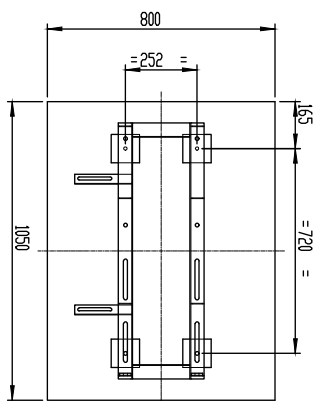
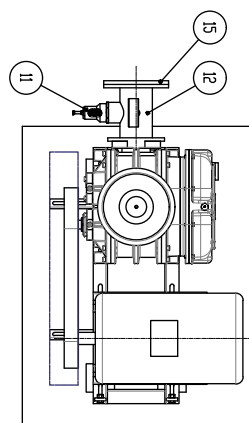
TWIN-LOBE STRUCTURE OF MATERIAL



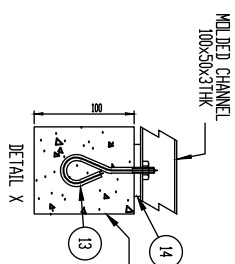
TWIN-LOBE BLOWER STRUCTURE & MATERIAL DETAIL

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	-	-

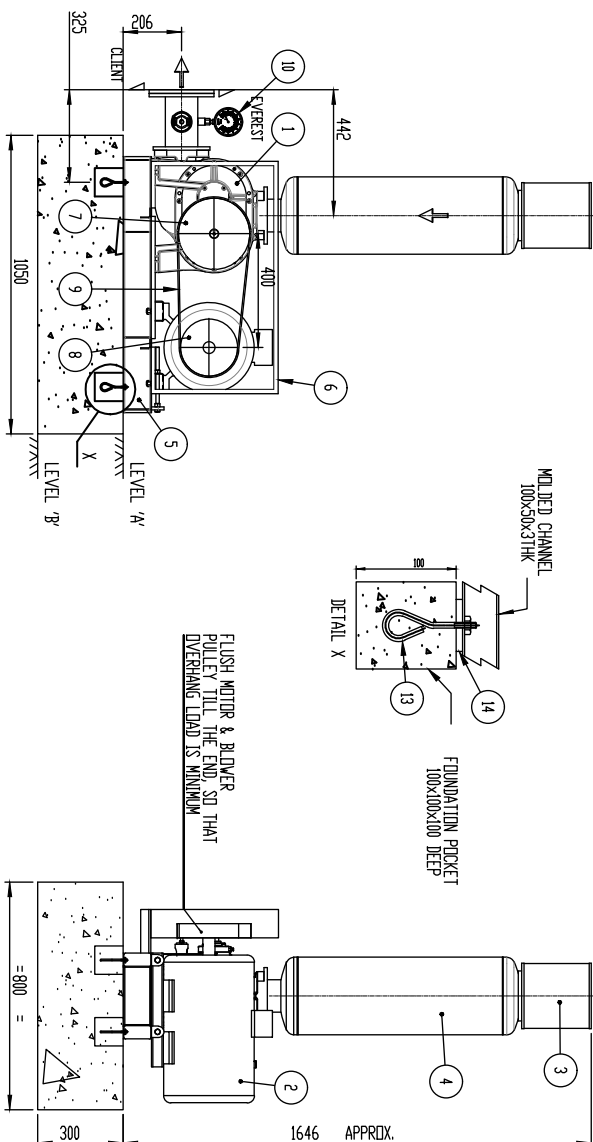
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF EVEREST BLOWERS. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF
EVEREST BLOWERS IS PROHIBITED.



FOUNDATION PLAN LAYOUT



MOLDED CHANNEL
100x50x3mm
FOUNDATION POCKET
100x100x100 DEEP
DETAIL X



FLUSH MOTOR & BLOWER
PULEY TILL THE END, SO THAT
OVERHANG LOAD IS MINIMUM

NOTES & RECOMMENDATIONS

- CLIENT SCOPE - FOUNDATION, DISCHARGE LINE & ITS TREATMENT FOR
- OVERHANG PROTECTION & SOUND PROTECTING
- BLOWER ROTATION CLOCKWISE AS VIEWED FROM PULEY SHAFT END.
- GROUND LEVEL WILL BE AT LEVEL 'A' FOR DUGOUT BASE AND AT LEVEL 'B' FOR RAISED BASE.

STATIC LOAD

- STATIC WEIGHT OF BLOWER = 1455 KG
- STATIC WEIGHT OF MOTOR = 167 KG
- WEIGHT OF ACCESSORIES = 74 KG (APPROX)
- STATIC WEIGHT OF ASSEMBLY = 897 KG (APPROX)
- DYNAMIC LOAD OF ASSEMBLY = 15x STATIC LOAD = 580 KG (APPROX)

REV.		DISCRIPTION	REV.	DATE	APPR.

EQUIPMENT NAME		MODEL NO	QUANTITY	CLIENT	P.O. REF.	BLOWER DATA	CAPACITY	PRESSURE	SPEED	B.H.P	MOTOR
M5175		100 NB. DRILLING AS PER ANSI B16.5	1	EVEREST							
ANTI VIBRATION PAIS		RUBBER	4	EVEREST							
FOUNDATION BOLT		M10x100 N. IS 5624/993	4	STD/EVEREST							
ICP (100NB)		PDC0080104000	1	EVEREST							
PR. RELIEF VALVE		2" SPRING LOADED	1	EVEREST							
PRESSURE GAUGE		BURJENT TYPE/100MM DIAL (0-1KG/CN) 1/4" BSP MALE	1	EVEREST							
V-BELTS		E-TECH-032	1	EVEREST							
MOTOR PULEY		E-TECH-032	1	EVEREST							
BLOWER PULEY		E-TECH-032	1	EVEREST							
BELT GUARD		PDC004101002	1	EVEREST							
BASE FRAME		PDC002103702	1	EVEREST							
SUCTION SILENCER (100NB)		PDC0030104500	1	EVEREST							
SUCTION AIR FILTER		AF700	1	EVEREST							
ELECTRIC MOTOR		STD	1	EVEREST /CLIENT							
AIR BLOWER		M5175	1	EVEREST							
PART		DESCRIPTION/NO. NO/REF. NO.	QTY	SUPPLY							

TITLE:-		GA M5175/160L WITH STD ACCESSORIES		SCALE TO SCALE	
DRW- MK		COP- P-SINGH		DATE- 24/05/16	
DRG NO- PDC001002010		APPD- NM		MATERIAL- AS PER BOM	
		GA-M5175 FOR TENTATIVE USE		REV-01	

SHEET:-		QTY:-		SCALE TO SCALE	
01		1 OF 1		FINISH WT.	