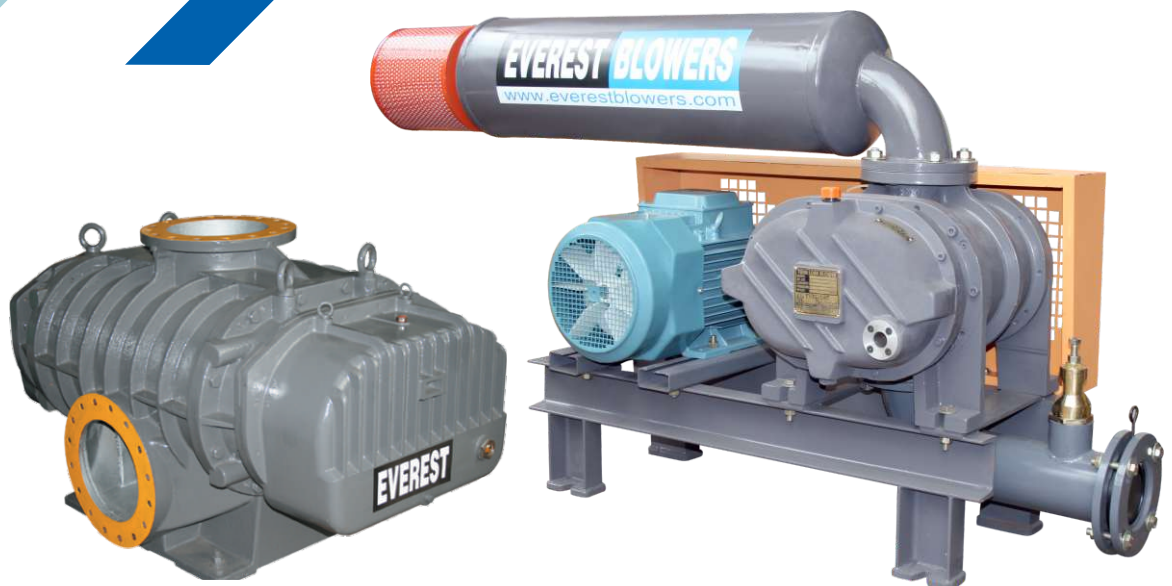


POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

TWIN LOBE & TRI-LOBE SERIES

CATALOGUE INCLUDES

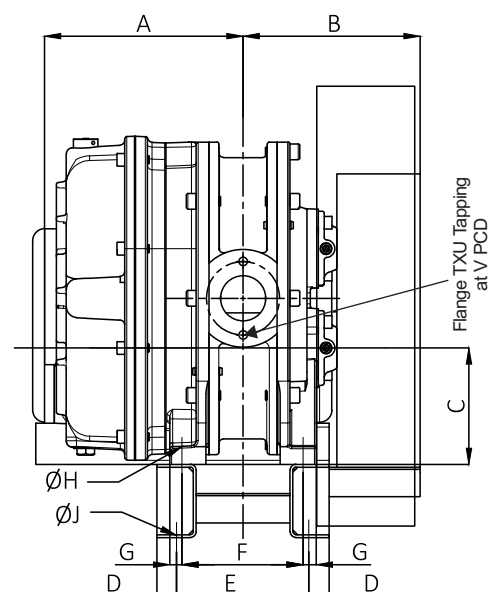
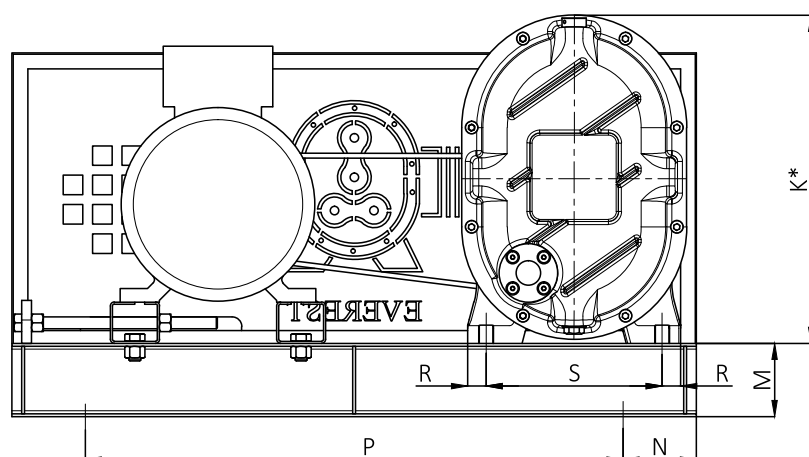
Twin-lobe Rotary Air Blowers | Compressors
Tri-lobe Rotary Air Blowers | Compressors
Tri-lobe Vertical Rotary Air Blowers | Compressors
Twin Lobe Rotary Gas Blowers | Compressors
Integral Gear Box Design - High Seppd Turbo Blowers
Multistage Centrifugal Blowers
Acoustic Hoods | Enclosures
Vacuum Pumps
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
M450	700	45	0.4	34	0.6	25	0.8	18	1.0	12	1.2	6	1.4	1	1.5
	1000	75	0.5	64	0.8	56	1.1	49	1.4	42	1.7	36	1.9	31	2.2
	1400	116	0.8	105	1.2	96	1.5	89	1.9	83	2.3	77	2.7	72	3.1
	1800	157	1.0	146	1.5	137	2.0	130	2.5	124	3.0	118	3.5	113	4.0
	2000	177	1.1	166	1.6	158	2.2	150	2.8	144	3.3	138	3.9	133	4.4
	2200	198	1.2	187	1.8	178	2.4	171	3.0	165	3.6	159	4.2	154	4.9
	2400			207	2.0	198	2.6	191	3.3	185	4.0	179	4.6	174	5.3

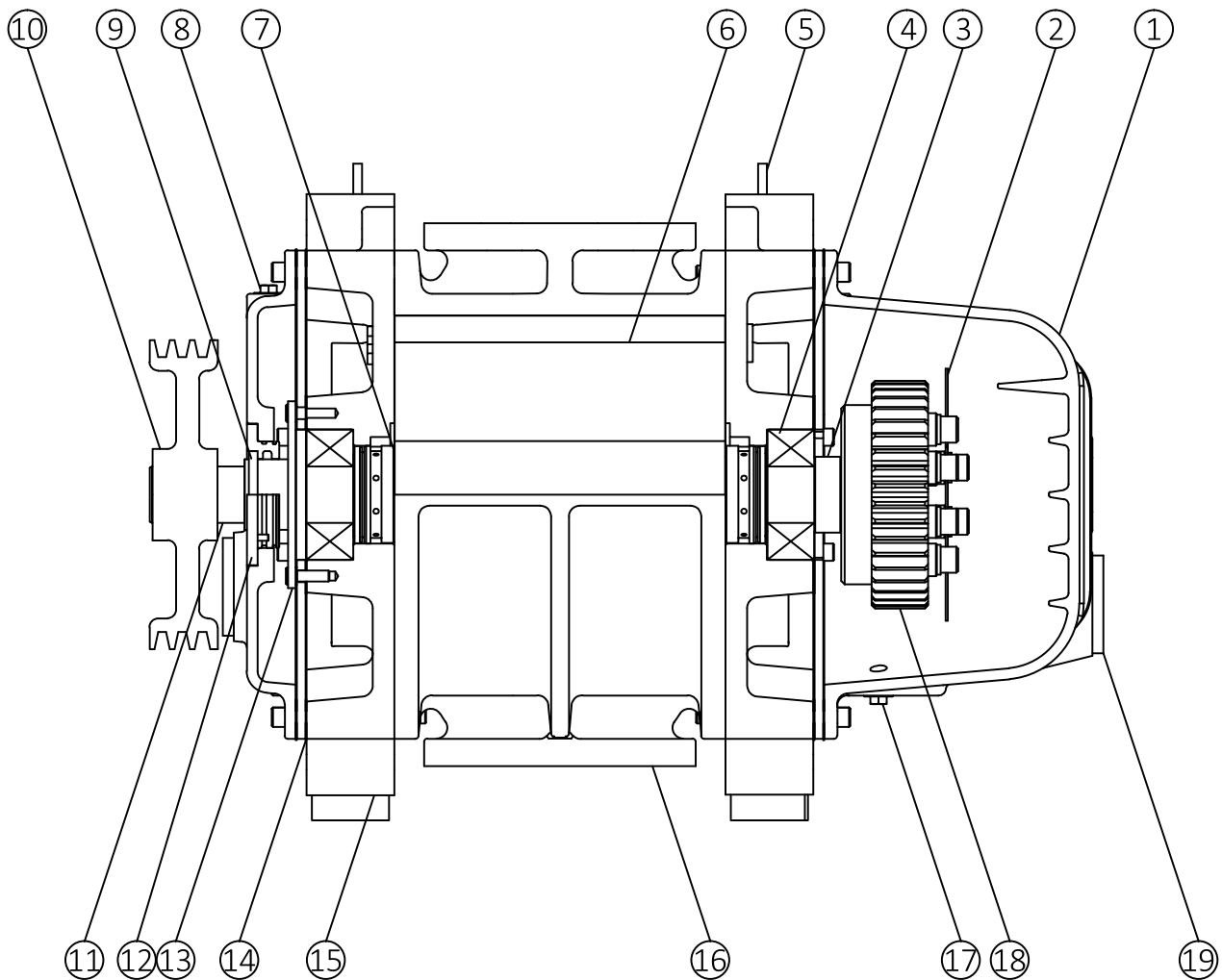
TWIN-LOBE DIMENSIONS AND WEIGHT



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
M450	203	181	119	20	136	134	8	14	12	333	75	75	550	19	180	2	M10	75	200	40	74	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

TWIN-LOBE STRUCTURE OF MATERIAL

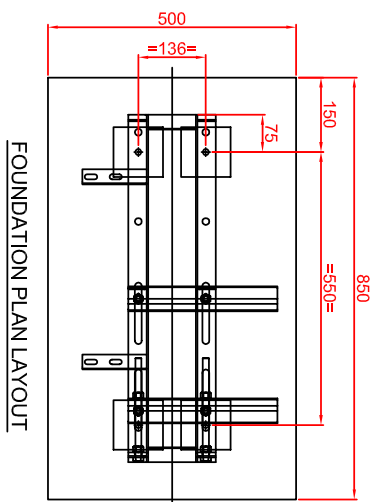
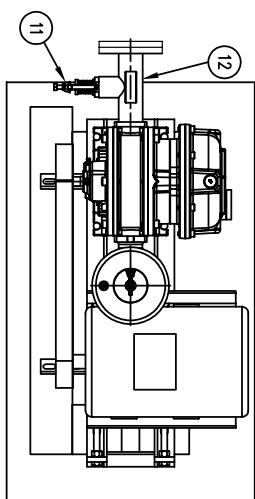


TWIN-LOBE BLOWER STRUCTURE & MATERIAL DETAIL

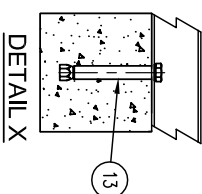
NO.	NAME	MATERIAL	NO.	NAME	MATERIAL
1	GSP Cover	C.I. FG200	12	Oil Seal Housing	C.I. FG260
2	Oil Splasher	CR Sheet / Aluminum	13	Bearing Clamp	M.S.
3	Spacer	M.S./EN8	14	Gasket	Non Asbestos
4	Bearing	Alloy Steel	15	Side Plate	C.I. FG260
5	Lifting Hook	M.S.	16	Body	C.I. FG260
6	Rotor	S.S./C.I./SG Iron	17	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	-	-

1 2 3 4 5 6 7 8

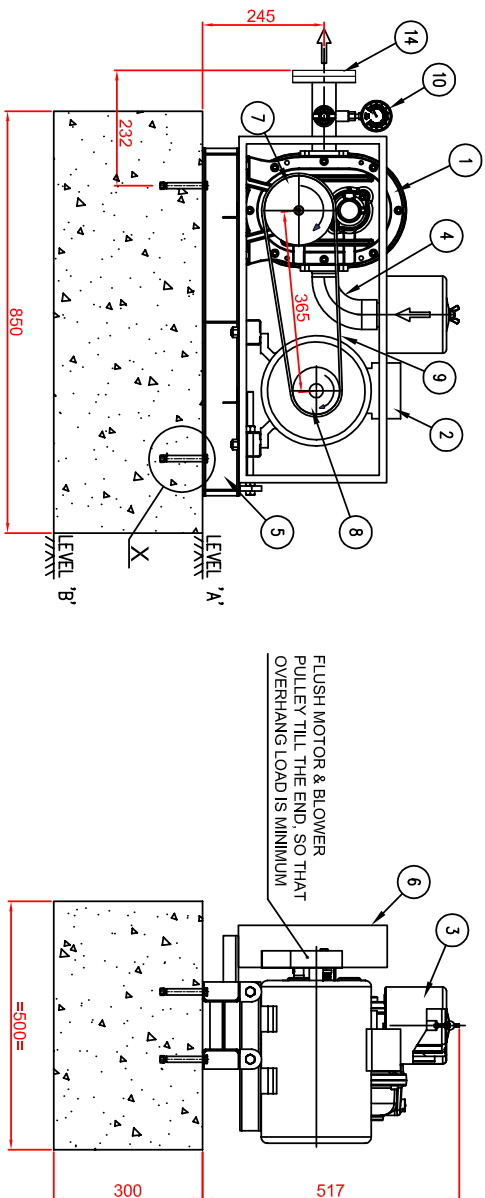
PROPRIETARY AND CONFIDENTIAL
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EVEREST BLOWERS IS PROHIBITED.



FOUNDATION PLAN LAYOUT



DETAIL X



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

- 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.
 4. TENTATIVE LAYOUT, MAY CHANGE DURING DETAILED ENGINEERING.

14	COMPANION FLANGE	DRILLING AS PER ANSI B16.5 #150	1	EVEREST
13	SLEEVE ANCHOR BOLT	SLEEVE ANCHOR BOLT M10 x 100L	4	EVEREST
12	INTER CONNECTING LINE	AT THE TIME OF DETAILED ENGINEERING	1	EVEREST
11	PR. RELIEF VALVE	1" SPRING LOADED	1	EVEREST
10	PRESSURE GAUGE	BOURDEN TYPE 0-1KG/CM², 1/4" BSP MALE	1	EVEREST
9	V-BELTS	STD.	1 set	EVEREST
8	MOTOR PULLEY	TAPER LOCKED PULLEY	1	EVEREST
7	BLOWER PULLEY	TAPER LOCKED PULLEY	1	EVEREST
6	BELT GUARD	M.S.FABRICATED	1	EVEREST
5	BASE FRAME	M.S.FABRICATED	1	EVEREST
4	REDUCER BEND	STD.	1	EVEREST
3	INLET FILTER CUM SILENCER	STD.	1	EVEREST
2	ELECTRIC MOTOR	AT THE TIME OF DETAILED ENGINEERING	1	CLIENT / EVEREST
1	AIR BLOWER	M450	1	EVEREST
S.NO	PART	DESCRIPTION	QTY	SUPPLY

NOTES:-DO NOT SCALE, ALL UNSPECIFIED DIMENSIONS ±25mm

TITLE:-
G.A.DRAWING FOR
MODEL M450

DRN:- AJTH DATE:- 12.07.2019
MATT:- AS PER BOM REV:00

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

CRR