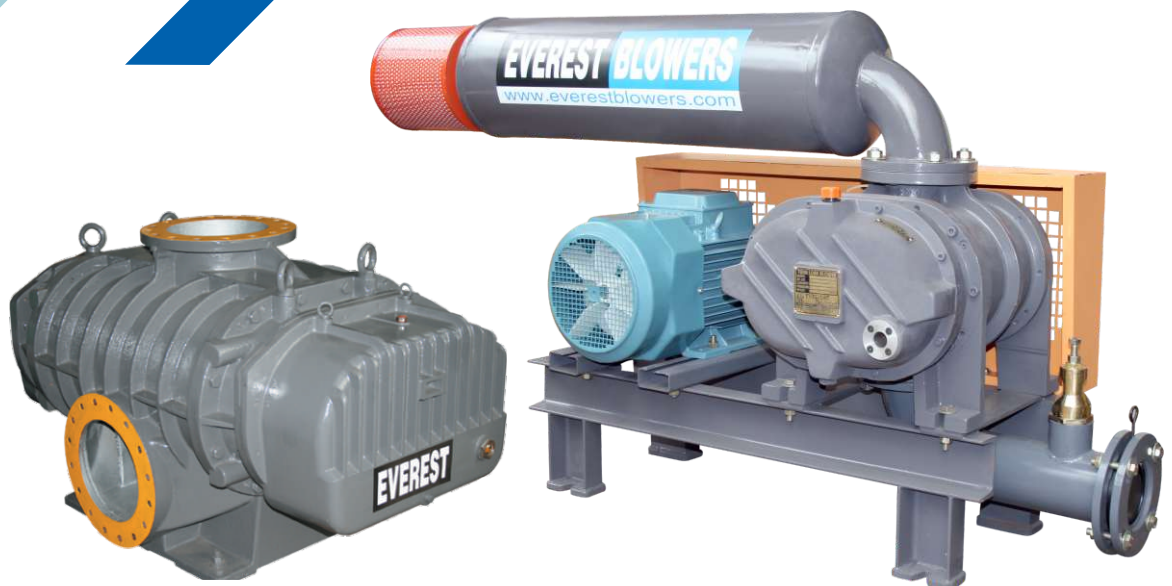


POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS

TWIN LOBE & TRI-LOBE SERIES

CATALOGUE INCLUDES

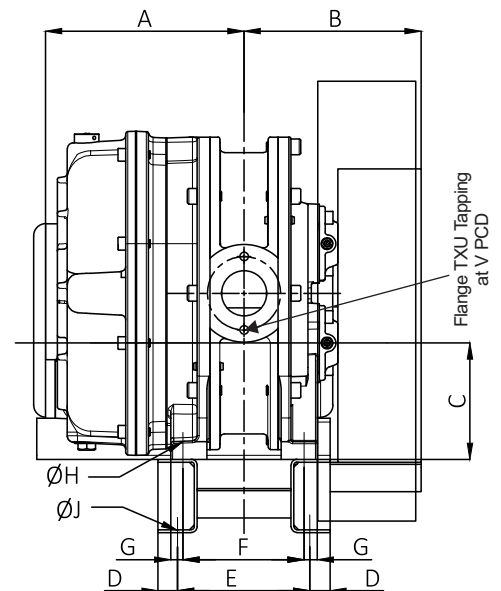
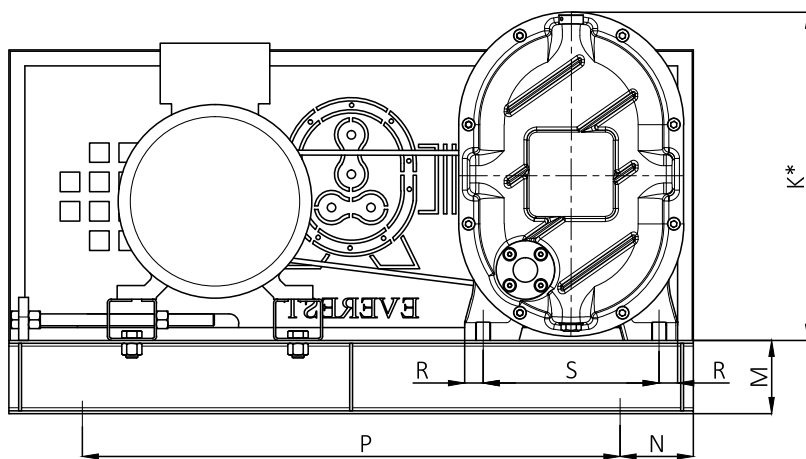
Twin-lobe Rotary Air Blowers | Compressors
Tri-lobe Rotary Air Blowers | Compressors
Tri-lobe Vertical Rotary Air Blowers | Compressors
Twin Lobe Rotary Gas Blowers | Compressors
Integral Gear Box Design - High Seppd Turbo Blowers
Multistage Centrifugal Blowers
Acoustic Hoods | Enclosures
Vacuum Pumps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



PERFORMANCE TABLE TWIN-LOBE ROTARY BLOWERS

AIR COOLED											WATER COOLED										
MODEL	SPEED	1000 mmWC		2000 mmWC		3000 mmWC		4000 mmWC		5000 mmWC		6000 mmWC		7000 mmWC		8000 mmWC		9000 mmWC		10000 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	m³/hr	BKW	m³/hr	BKW
610	700	382	1.9	323	3.4	277	4.8	239	6.2	205	7.7	175	9.1	147	10.5	120	11.9	96	13.4	73	14.8
	1000	607	2.8	547	4.8	502	6.9	464	8.9	430	10.9	400	13.0	371	15.0	345	17.0	321	19.1	298	21.1
	1400	906	3.9	847	6.7	802	9.6	764	12.5	730	15.3	699	18.2	671	21.0	645	23.9	621	26.7	597	29.6
	1800	1206	5.0	1147	8.7	1102	12.3	1063	16.0	1030	19.7	999	23.3	971	27.0	945	30.7	920	34.3		
	2000	1356	5.6	1297	9.6	1252	13.7	1213	17.8	1180	21.9	1149	25.9	1121	30.0	1095	34.1				
	2200	1506	6.1	1447	10.6	1402	15.1	1363	19.6	1329	24.0	1299	28.5	1271	33.0						
	2400	1656	6.7	1597	11.6	1551	16.5	1513	21.3	1479	26.2	1449	31.1								

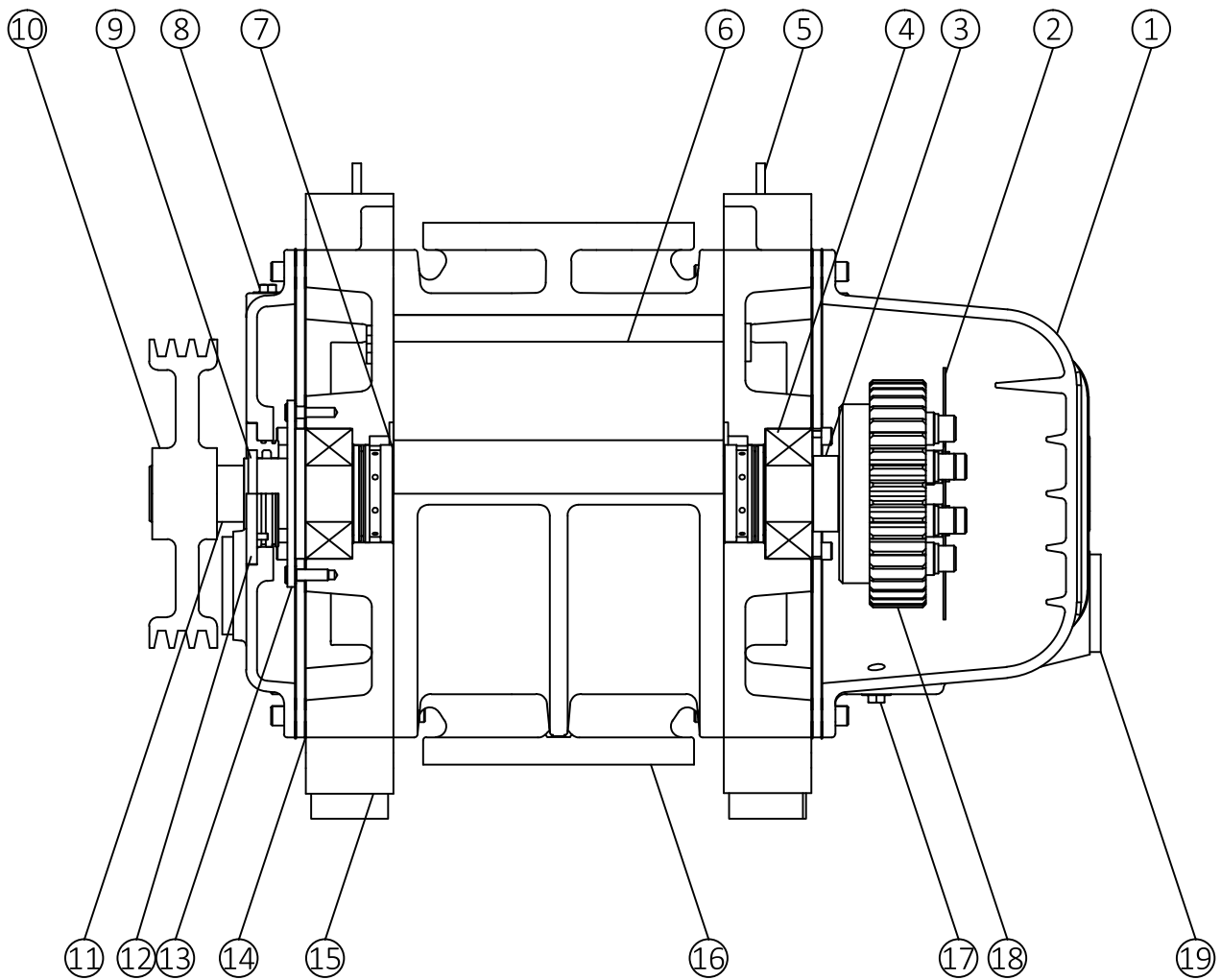
TWIN-LOBE DIMENSIONS AND WEIGHT



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
610	390	447	250	37	471	344	15	16	14	467	500	68	900	41	400	8	M16	180	760	125	88	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

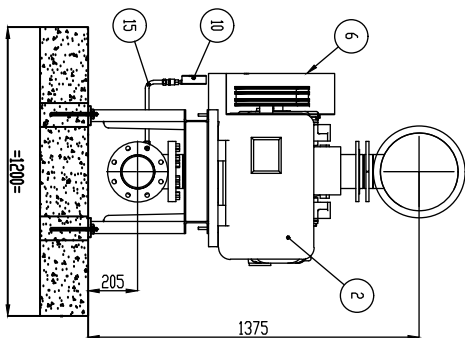
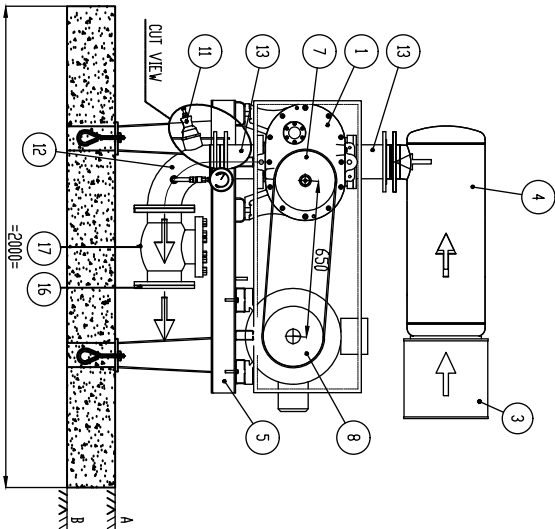
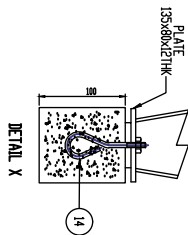
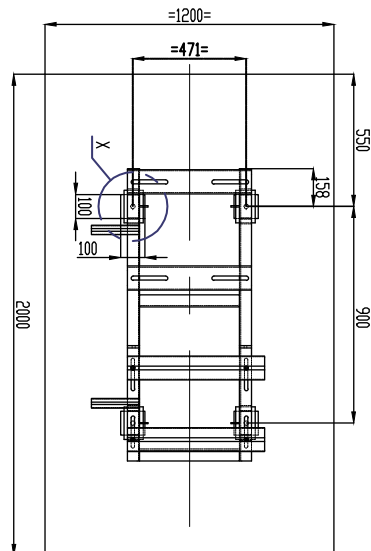
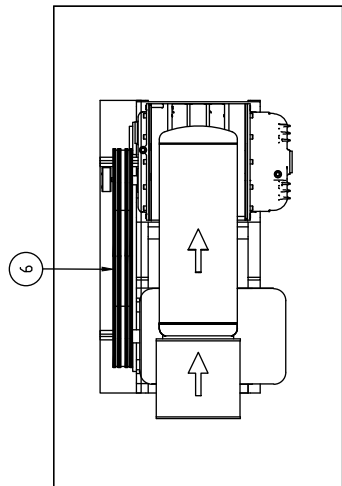
TWIN-LOBE STRUCTURE OF MATERIAL



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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EQUIPMENT NAME	
MODEL NO	610 ET
QUANTITY	
CLIENT	
P.O. REF.	
BLOWER DATA	
CAPACITY	
PRESSURE	
SPEED	
B.H.P	
MOTOR	

17	NRV/CHECK VALVE	1	EVEREST
16	COMPANION FLANGE	1	EVEREST
15	PRESSURE GAUGE MOUNTING TUBE	1	EVEREST
14	FOUNDATION BOLT	4	EVEREST
13	SPACER-BLOWER TO SILENCER	2	EVEREST
12	DISCHARGE BEND	1	EVEREST
11	P.R. RELIEF VALVE	1	EVEREST
10	PRESSURE GAUGE	1	EVEREST
9	V-BELTS	1	EVEREST
8	MOTOR PULLEY	1	EVEREST
7	BLOWER PULLEY	1	EVEREST
6	BELT GUARD	1	EVEREST
5	BASE FRAME	1	EVEREST
4	SUCTION SILENCER (25MM)	1	EVEREST
3	SUCTION AIR FILTER	1	EVEREST
2	ELECTRIC MOTOR	1	CLIENT SCOPE
1	AIR BLOWER ET 610	1	EVEREST
S.NO	PART	QTY	MAKE

TITLE- BLOWER GA DRAWING OF MODEL-610

GA FOR TENTATIVE USE

DATE	10/2/16
REF: GA	610ET-STD-RO
REV: 00	

QTY	01
CAST W.T.	TO SCALE
FINISH W.T.	TO SCALE

NOTES & RECOMMENDATIONS

1. CLIENT SCOPE- FOUNDATION, DISCHARGE LINE & ITS TREATMENT FOR CORROSION PROTECTION & SOUND PROOFING.
2. BLOWER ROTATION COUNTERWISE 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- NOTE - UNSPECIFIED DIM TOLERANCE ±5%

STATIC LOAD

1. STATIC WEIGHT OF BLOWER- 250 KG
2. STATIC WEIGHT OF MOTOR- 275 KG
3. WEIGHT OF ACCESSORIES- 255 KG
4. STATIC WEIGHT OF ASSEMBLY- 760 KG (APPROX)
5. DYNAMIC LOAD OF ASSEMBLY- 15x STATIC LOAD= 1140 KG (APPROX)