



## EVEREST TWIN LOBE ROTARY AIR COMPRESSORS

A complete range of Standard, Positive Displacement Air Blowers are available for flow rates ranging from 15-cfm (25-m<sup>3</sup>/hr) to 4,120-cfm (7,000-m<sup>3</sup>/hr) in single stage configuration and up to any capacity in parallel configurations, for working pressures up to 14.2-psi (1-kg/cm<sup>2</sup>). Blowers are available as total package units, ready to install or as bare blower units for replacement.

Our technology is so flexible, we can custom manufacture "Special Air Blowers" by alloying and cross linking diverse designs to suit individual requirements and import substitutes.

### STANDARD DESIGN AND CONSTRUCTION FEATURES

- ✦ 100% "Oil Free Air" Delivery.
- ✦ Factory engineered, factory guaranteed, superior product.
- ✦ Alloy steel hardened and ground timing gears.
- ✦ Anti-friction bearings.
- ✦ Rotary oil sealings.
- ✦ Rigid one piece CI casing and side plates.
- ✦ Horizontal and vertical configurations available.
- ✦ Easy rotor timing setting.
- ✦ No vanes, valves or rings to wear.
- ✦ Large inlet and outlet connections for minimum loss.
- ✦ Improved volumetric efficiency and reduced operating temperatures.
- ✦ Alloy steel toughened shafts ground to close tolerances.



### APPLICATIONS

- ✦ **Water Treatment Plants** For backwashing of filter/mixed beds.
- ✦ **Effluent Treatment Plants** For diffused aeration and agitation of effluent.
- ✦ **Cement Plants** For Blending, Aeration, Fluidization, Conveying.
- ✦ **Aquaculture** For maintaining the dissolved Oxygen level.
- ✦ **Chemical Plants** For supplying of process air.
- ✦ **Electroplating Plants** For Oil Free air agitation of electrolyte.
- ✦ **Paper Plants** Knife edge coating, Drying, Conveying, Vacuum pickup.
- ✦ **Yarn Drying** Vacuum/Pressure Drying of Yarn.
- ✦ **Vacuum Molding** For creating quick vacuum.
- ✦ **Polyester Chip Conveying & Drying** For transfer of polyester Chips and other similar materials.
- ✦ **Bag Filters** For reverse cleaning of Filter bags.
- ✦ **Pneumatic Conveying** Vacuum, Pressure and Combination Conveying of cereals, cement, husk, bagasse, granules, powders and other similar material.
- ✦ **Regeneration of Dryers & Molecular Sieves.**

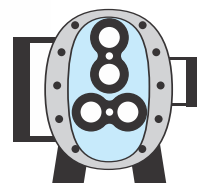
WE JUST DON'T OFFER BLOWERS, WE OFFER SOLUTIONS!



### OUR ADVANTAGE

Retain your advantage with factory genuine replacement parts.

- ✦ All parts meet original manufacturing specifications and tolerances and are guaranteed for fit and function.
- ✦ Pre-packaged overall kits with detailed service manuals are available on request.



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**TMC Fluid Systems**

**EVEREST**

# PERFORMANCE TABLE

# AIR-COOLED SERIES

MODEL	Qnecb (RPM)	1.5 PSIG		3 PSIG		4 PSIG		5 PSIG		6 PSIG		7 PSIG		8 PSIG		10 PSIG		Opening Inches
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	
M450	800	30	0.6	23	0.9	19	1.1	16	1.3	13	1.5	10	1.8	7	2.0	2	2.4	1.5
	1100	48	0.8	41	1.3	37	1.5	34	1.8	31	2.1	28	2.4					
	1400	69	1.1	61	1.6	58	2.0	54	2.4									
42	1000	45	0.8	39	1.2	35	1.4	32	1.7	30	1.9	27	2.2	25	2.5	21	3.0	1.5
	1300	63	1.0	57	1.5	53	1.8	51	2.2	48	2.5	45	2.9	43	3.2	39	3.9	
	1600	81	1.2	75	1.8	72	2.3	69	2.7	66	3.1	64	3.5	61	4.0	57	4.8	
44	1000	65	1.0	56	1.6	51	1.9	47	2.3	43	2.7	39	3.1	36	3.5	30	4.2	2.5
	1300	92	1.3	83	2.0	78	2.5	73	3.0	69	3.5	66	4.0	62	4.5	56	5.5	
	1600	118	1.6	109	2.5	104	3.1	100	3.7	96	4.3	92	4.9	89	5.6	83	6.8	
47	1000	122	1.7	106	2.7	98	3.4	90	4.1	84	4.8							3
	1300	170	2.2	154	3.6	146	4.5	138	5.4	132	6.3							
	1600	218	2.7	202	4.4	194	5.5	186	6.6									
EB6HPM	1100	198	2.7	179	4.3	169	5.3	161	6.4	153	7.4	146	8.5	139	9.5	127	11.7	3
	1350	253	3.3	234	5.2	224	6.5	216	7.8	208	9.1	201	10.4	194	11.7	182	14.3	
	1500	286	3.7	267	5.8	257	7.3	249	8.7	241	10.1	234	11.6	227	13.0	215	15.9	
M5075	1000	109	1.6	100	2.5	95	3.1	91	3.6	87	4.2	83	4.8	80	5.4	74	6.5	3
	1300	149	2.1	140	3.2	135	4.0	130	4.7	126	5.5	123	6.2	119	7.0	113	8.5	
	1500	175	2.4	166	3.7	161	4.6	157	5.4	153	6.3	149	7.2	146	8.0	140	9.8	
M5125	1000	137	1.8	123	2.9	116	3.7	109	4.4	103	5.1	98	5.9	93	6.6	84	8.1	3
	1300	188	2.4	174	3.8	167	4.8	160	5.7	154	6.7	149	7.7	144	8.6	135	10.5	
	1500	222	2.7	208	4.4	201	5.5	194	6.6	188	7.7	183	8.8	178	9.9	169	12.2	
M5175	1000	191	2.3	172	3.8	162	4.9	153	5.9	145	6.9	137	8.0	130	9.0	118	11.1	4
	1300	263	2.9	243	5.0	233	6.3	224	7.7	216	9.0	209	10.4	202	11.7			
	1500	310	3.4	291	5.7	281	7.3	272	8.8	264	10.4	256	11.9					
M5225	1000	268	3.1	245	5.2	233	6.6	222	8.0	212	9.4							4
	1300	365	4.0	342	6.8	329	8.6	319	10.5	309	12.3							
	1500	429	4.7	406	7.8	394	9.9	383	12.1									
67	1000	265	3.2	239	5.3	224	6.8	212	8.2	201	9.6	190	11.1	181	12.5	163	15.4	5
	1300	364	4.1	338	6.9	323	8.8	311	10.7	300	12.5	289	14.4	280	16.3	262	20.0	
	1600	463	5.1	437	8.5	422	10.8	410	13.1	399	15.4	388	17.7	379	20.0	361	24.6	
610	1000	355	3.9	319	6.8	300	8.7	283	10.6	268	12.5	254	14.5	241	16.4	218	20.2	6
	1300	487	5.0	451	8.8	432	11.3	416	13.8	400	16.3	387	18.8	374	21.3	350	26.3	
	1600	619	6.2	583	10.8	564	13.9	548	17.0	533	20.1	519	23.1	506	26.2	482	32.4	
615	1000	539	5.4	489	9.7	462	12.6	439	15.5	418	18.4	398	21.2	380	24.1	347	29.9	6
	1300	737	7.0	687	12.7	660	16.4	637	20.1	616	23.9	596	27.6	578	31.4			
	1600	935	8.7	885	15.6	858	20.2	835	24.8	814	29.4	794	34.0					
78	1000	467	4.8	437	8.4	421	10.7	407	13.1	395	15.4	383	17.8	372	20.1	352	24.8	5
	1300	629	6.3	599	10.9	583	13.9	569	17.0	557	20.1	545	23.1	534	26.2	514	32.3	
	1600	791	7.7	761	13.4	745	17.1	731	20.9	719	24.7	707	28.4	696	32.2	676	39.8	
710	1000	586	5.7	549	10.1	529	13.1	512	16.0	496	19.0	482	21.9	469	24.8	444	30.7	6
	1300	788	7.4	751	13.2	732	17.0	714	20.8	699	24.6	685	28.5	671	32.3	647	39.9	
	1600	991	9.1	954	16.2	934	20.9	917	25.6	901	30.3	887	35.0	874	39.8	849	49.2	
713	1000	759	7.0	710	12.8	684	16.6	661	20.4	641	24.2	622	28.1	604	31.9	572	39.5	6
	1300	1022	9.1	973	16.6	947	21.6	924	26.5	904	31.5	885	36.5	867	41.5	835	51.4	
	1600	1285	11.3	1236	20.4	1210	26.6	1187	32.7	1167	38.8	1148	44.9	1130	51.0			
717	1000	993	9.2	929	16.7	895	21.7	866	26.7	839	31.7							6
	1200	1223	11.0	1159	20.1	1125	26.1	1095	32.1	1068	38.1							
	1500	1567	13.8	1503	25.1	1469	32.6	1440	40.1	1413	47.6							
LB17	1100	1108	10.1	1044	18.4	1010	23.9	980	29.4	953	34.9							8
	1350	1395	12.4	1331	22.6	1297	29.3	1267	36.1	1240	42.8							
	1600	1682	14.7	1618	26.7	1584	34.8	1554	42.8	1527	50.8							
812	1000	844	10.1	806	16.2	786	20.3	769	24.4	753	28.5	738	32.6	724	36.6	699	44.8	5
	1200	1031	12.1	994	19.5	973	24.4	956	29.3	940	34.2	925	39.1	911	44.0	886	53.8	
	1440	1256	14.6	1218	23.4	1198	29.3	1180	35.1	1164	41.1	1150	46.9	1136	52.8	1111	64.5	
816	1000	1126	12.2	1075	20.3	1048	25.8	1025	31.2	1003	36.6	984	42.1	966	47.5			8
	1200	1375	14.6	1325	24.4	1298	30.9	1274	37.4	1253	44.0	1233	50.5	1215	57.0			
	1440	1675	17.5	1624	29.3	1597	37.1	1574	44.9	1553	52.8	1533	60.6	1515	68.4			
820	1000	1407	14.2	1344	24.4	1310	31.2	1281	38.0	1254	44.8							8
	1200	1719	17.0	1656	29.3	1622	37.4	1593	45.6	1566	53.8							
	1440	2094	20.5	2030	35.1	1997	44.9	1967	54.7	1941	64.5							
1012	1000	1443	15.5	1378	25.9	1344	32.9	1314	39.9	1286	46.9	1261	53.8	1238	60.8	1195	74.8	6
	1200	1763	18.6	1698	31.1	1664	39.5	1634	47.9	1606	56.2	1581	64.6	1558	73.0	1515	89.7	
	1440	2147	22.3	2082	37.3	2048	47.4	2018	57.4	1990	67.5	1965	77.5	1942	87.6	1899	107.7	
1016	1000	1939	19.1	1852	33.1	1806	42.5	1765	51.9	1729	61.2	1695	70.6	1664	80.0	1606	98.7	8
	1200	2369	22.9	2282	39.7	2236	51.0	2195	62.2	2159	73.5	2125	84.7	2094	96.0	2036	118.5	
	1440	2885	27.4	2798	47.7	2752	61.2	2711	74.7	2675	88.2	2641	101.7	2610	115.2	2552	142.2	
1020	1000	2481	23.0	2369	41.0	2310	53.0	2258	65.0	2211	76.9	2168	88.9	2128	100.9			10
	1200	3031	27.6	2919	49.2	2860	63.6	2808	77.9	2761	92.3	2718	106.7	2678	121.1			
	1440	3691	33.1	3579	59.0	3520	76.3	3468	93.5	3421	110.8	3378	128.1	3338	145.3			
1024	1000	2914	26.1	2782	47.2	2713	61.3	2652	75.4	2597	89.5							10
	1200	3560	31.3	3428	56.7	3359	73.6	3298	90.5	3243	107.4							
	1440	4335	37.6	4204	68.0	4134	88.3	4073	108.6	4018	128.9							

# PERFORMANCE TABLE

# AIR-COOLED SERIES

MODEL	Q <sub>nceb</sub> (RPM)	1000-MMWG		2000-MMWG		3000-MMWG		4000-MMWG		5000-MMWG		6000-MMWG		7000-MMWG		Opening mm NB
		m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	m <sup>3</sup> /hr	BHP	
M450	800	52	0.6	40	0.9	31	1.2	23	1.5	16	1.8	10	2.1	4.0	2.4	40
	1100	83	0.8	71	1.2	62	1.6	54	2.0	47	2.4					
	1400	118	1.1	106	1.6	96	2.1	89	2.7							
42	1000	77	0.7	67	1.1	59	1.5	52	1.9	46	2.2	40	2.6	35	3.0	40
	1300	108	1.0	98	1.4	90	1.9	83	2.4	77	2.9	71	3.4	66	3.9	
	1600	139	1.2	128	1.8	120	2.4	114	3.0	108	3.6	102	4.2	97	4.8	
44	1000	112	0.9	97	1.5	85	2.0	75	2.6	66	3.1	58	3.7	51	4.2	65
	1300	157	1.2	142	1.9	130	2.6	120	3.4	111	4.1	103	4.8	96	5.5	
	1600	202	1.5	187	2.4	175	3.3	165	4.1	156	5.0	148	5.9	141	6.7	
47	1000	209	1.6	183	2.6	162	3.6	146	4.6							80
	1300	290	2.1	264	3.4	244	4.7	227	6.0							
	1600	372	2.6	346	4.2	326	5.8									
EB6HPM	1100	338	2.6	307	4.1	284	5.6	264	7.1	247	8.6	231	10.1	217	11.6	80
	1350	431	3.2	401	5.0	377	6.9	358	8.7	340	10.5	325	12.4	310	14.2	
	1500	487	3.5	457	5.6	434	7.6	414	9.7	397	11.7	381	13.8	366	15.8	
M5075	1000	187	1.6	171	2.4	160	3.2	150	4.0	141	4.8	133	5.7	125	6.5	65
	1300	254	2.0	239	3.1	227	4.2	217	5.2	208	6.3	200	7.3	193	8.4	
	1500	299	2.4	284	3.6	272	4.8	262	6.0	253	7.3	245	8.5	238	9.7	
M5125	1000	234	1.8	211	2.8	194	3.9	179	4.9	166	6.0	154	7.0	143	8.1	80
	1300	321	2.3	296	3.6	280	5.0	265	6.4	252	7.8	241	9.1	230	10.5	
	1500	378	2.6	356	4.2	338	5.8	323	7.4	310	8.9	298	10.5	288	12.1	
M5175	1000	327	2.2	295	3.6	271	5.1	250	6.6	232	8.1	216	9.5			100
	1300	449	2.8	417	4.7	392	6.7	372	8.6	353	10.5	337	12.4			
	1500	530	3.3	498	5.5	473	7.7	453	9.3	434	12.1					
M5225	1000	457	3.0	419	5.0	390	7.0	366	9.0							100
	1300	622	3.9	584	6.5	555	9.1	531	11.7							
	1500	732	4.5	694	7.5	665	10.5	640	13.5							
67	1000	454	3.0	410	5.1	376	7.1	347	9.2	322	11.2	299	13.3	278	15.3	125
	1300	622	4.0	578	6.6	544	9.3	515	11.9	490	14.6	467	17.2	446	19.9	
	1600	791	4.9	746	8.1	712	11.4	684	14.7	658	17.9	635	21.2	615	24.5	
610	1000	607	3.7	547	6.5	502	9.2	464	11.9	430	14.7	400	17.4	371	20.1	150
	1300	832	4.8	772	8.4	727	11.9	689	15.5	655	19.0	624	22.6	596	26.1	
	1600	1056	6.0	997	10.3	952	14.7	913	19.1	880	23.4	849	27.8	821	32.2	
615	1000	921	5.2	838	9.3	775	13.4	721	17.4							150
	1300	1258	6.7	1175	12.1	1111	17.4	1057	22.7							
	1600	1594	8.3	1511	14.8	1448	21.4	1394	27.9							
78	1000	798	4.6	748	8.0	709	11.3	677	14.7	649	18.0	623	21.4	600	24.7	125
	1300	1073	6.0	1023	10.4	985	14.7	953	19.1	924	23.4	898	27.8	875	32.1	
	1600	1348	7.4	1298	12.8	1260	18.1	1228	23.5	1200	28.8	1174	34.2	1150	39.5	
710	1000	1000	5.5	938	9.7	892	13.8	852	18.0	817	22.2	786	26.4	757	30.6	150
	1300	1344	7.1	1283	12.6	1236	18.0	1196	23.4	1161	28.9	1130	34.3	1101	39.7	
	1600	1688	8.8	1627	15.5	1580	22.1	1540	28.8	1506	35.5	1474	42.2	1445	48.9	
713	1000	1295	6.7	1214	12.2	1152	17.6	1100	23.0	1054	28.4	1012	33.9	974	39.3	150
	1300	1742	8.7	1662	15.8	1599	22.9	1547	29.9	1501	37.0	1459	44.0	1421	51.1	
	1600	2190	10.8	2109	19.5	2047	28.1	1994	36.8	1984	45.5	1906	54.2			
717	1000	1696	8.8	1590	15.9	1508	23.0	1440	30.1							150
	1200	2086	10.6	1980	19.1	1899	27.6	1830	36.2							
	1500	2671	13.2	2565	23.9	2484	34.5	2415	45.2							
LB17	1000	1891	9.7	1785	17.5	1703	25.3	1635	33.1							200
	1350	2378	11.9	2273	21.5	2191	31.1	2123	40.7							
	1600	2866	14.1	2760	25.5	2679	36.8	2610	48.2							
812	1000	1439	9.8	1376	15.6	1328	21.4	1288	27.2	1252	33.0	1219	38.8	1190	44.6	125
	1200	1757	11.8	1695	18.7	1646	25.7	1606	32.6	1570	39.6	1538	46.5	1508	53.5	
	1440	2139	14.1	2076	22.4	2028	30.8	1988	39.1	1952	47.5	1919	55.8	1890	64.2	
816	1000	1919	11.7	1835	19.5	1771	27.2	1717	34.9	1669	42.6	1626	50.4			200
	1200	2343	14.1	2260	23.3	2195	32.6	2141	41.9	2093	51.2	2050	60.4			
	1440	2852	16.9	2769	28.0	2704	39.1	2650	50.3	2602	61.4	2559	72.5			
820	1000	2399	13.7	2294	23.3	2214	33.0	2146	42.6							200
	1200	2929	16.4	2824	28.0	2744	39.6	2676	51.2							
	1440	3565	19.7	3461	33.6	3380	47.5	3313	61.4							
1012	1000	2460	14.9	2353	24.8	2271	34.7	2201	44.6	2140	54.5	2084	64.4	2034	74.3	150
	1200	3004	17.9	2897	29.8	2814	41.7	2745	53.5	2684	65.4	2628	77.3	2578	89.2	
	1440	3657	21.5	3550	35.7	3467	50.0	3398	64.3	3336	78.5	3281	92.8	3230	107.1	
1016	1000	3306	18.3	3162	31.6	3051	44.9	2958	58.2	2875	71.6	2801	84.9	2733	98.2	200
	1200	4037	22.0	3893	37.9	3782	53.9	3689	69.9	3606	85.9	3532	101.8	3464	117.8	
	1440	4914	26.4	4770	45.5	4659	64.7	4566	83.9	4483	103.0	4409	122.2	4341	141.4	
1020	1000	4229	22.0	4044	39.1	3902	56.1	3783	73.1	3678	90.1	3583	107.2			250
	1200	5163	26.4	4979	46.9	4837	67.3	4718	87.7	4613	108.2	4518	128.6			
	1440	6285	31.7	6101	56.2	5959	80.8	5840	105.3	5734	129.8	5639	154.3			
1024	1000	4967	25.0	4750	45.0	4584	65.0	4443	85.0	4320	105.0					250
	1200	6065	30.0	5848	54.0	5682	78.0	5541	102.0	5418	126.0					
	1440	7382	36.0	7166	64.8	6999	93.6	6859	122.4							

Values in Blue are subject to temperature and drive limitations and must be referred to factory for proper application.  
 Conversions: 1-m<sup>3</sup>/Hour = 0.588 CFM • 1000-mmWG = 1.42 PSIG = 0.1 Kg/cm<sup>2</sup>

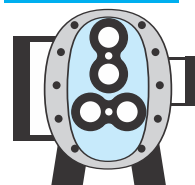
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