

 www.kayblowers.com

KAY PRECISION
PERFECTION
PRIDE



PRODUCTS
THAT DEFINE
KAY



ABOUT US

Founded in 1966 by K.L. Arora, Chairman & Managing Director, KAY International is an iconic brand ruling the sector with advanced technology, practical vision and professional workforce. From a micro unit with small infrastructure to an industry giant, today KAY International is catering to consumers based in various countries including India.



An ISO 9001:2015 & CE
Certified company



Over 350+ highly trained staff equipped
with technical abilities to fulfil client's requirement



A global clientele of over
5000+ companies across the world



State-of-the-art plant spreading
over 30,000+ sq. yards



Received awards and accolades
for innovation and finesse



50+ years of Global Presence
in Pressure & Vacuum Technology



PRODUCTS THAT MAKE US PROUD



Blowers

Roots blower/lobe compressor is a positive displacement, constant volume machine to operate against varying pressures. With each revolution, the compressor delivers a metered amount of media measured at inlet conditions.

It employs two lobe impellers mounted on parallel shafts rotating in opposite directions within a casing closed at the ends by side plates. As the impellers rotate, media is drawn into one side of the casing and forced out of the opposite side against the existing pressures.

- ▲ Twin & Tri Lobe Blower
- ▲ Helical Lobe Blower
- ▲ Truck Mounted Blower
- ▲ Side Channel Blower

Vacuum Products

Vacuum technology is needed in the manufacture of countless products of our daily life and enables future technologies. With our comprehensive product portfolio, we offer solutions for all types of vacuum applications. We are not only driven by highest quality standards and the ambition to develop pioneering technologies, but also focus on sustainability. We act responsibly hence are a reliable partner. It is our vision to be the most sustainable and fastest growing market player in our industry to drive technology for a sustainable future.

- ▲ Single Stage Oil Lubricated
- ▲ Double Stage Rotary Vane
- ▲ Dry Running Vacuum Pump & Compressor
- ▲ Vertical/Horizontal Claw Vacuum Pump & Compressor
- ▲ Vertical/Horizontal Dry Screw Vacuum Pump
- ▲ Mechanical Vacuum Booster
- ▲ Liquid Ring Vacuum Pump
- ▲ Vacuum Pumping System





Acoustic Hood

Acoustic hood covers the complete blower and motor arrangement. Its soundproof cabin decreases the overall sound of the system to the accepted norms as per IS specifications. Provision of exhaust fan decreases heat in the chamber and fixing of the anchor bolts results in rigid base to the acoustic hood. This is a very effective enclosure to provide noise reduction of 15 to 20 dBA or more, to comply with international noise levels. It is also available for all blowers and models.

The sound reduction enclosures are specially designed to reduce noise pollution to suit the local environment and to control current climate crisis.

Truck Mounted Blower

The unique DRY HIGH VACUUM PUMP (Positive Displacement Type) is capable of attaining 28" Hg vacuum and eliminates the need for water or oil sealing. The 3HVP Series pumps do not require Heat Exchanger and are suitable for inlet temperatures without the use of pre-coolers.

HEAVY – DUTY CONSTRUCTION

The Kay DRY HIGH VACUUM PUMP is a positive displacement pump with two tri-lobes rotors that are fitted with one another and maintain small but definite clearances that are perfect for industrial use. The 3HVP Series pumps are designed for 24 hour (continuous) duty operation and have a self-cooling construction and do not require a Vacuum Relief Valve. These pumps are capable of handling Wet or Dry products and are available with top, bottom, left or right shaft and a clockwise or anti-clockwise rotation for adaptation as immediate replacement for existing units.





PRODUCT DESIGN FEATURE



EFFICIENCY & RELIABILITY

Each product has computer calculated profiles and is precision machined on the latest CNC equipment ensuring close tolerance between the impellers, casing and side plates to minimise "back slippage" of air, improving efficiency and reliability.



HIGH STANDARDS

Performance tests are conducted on all our machines and components as per BS standard 1571 Part II under the most arduous design conditions before dispatch. Kay Rotary Twin/ Tri-Lobe Compressors are designed, manufactured and supported with maintenance as per ISO 9001:2015 standards.



SMOOTH OPERATION

Precision hardened and ground helical gears are used to ensure smooth, silent running and accurate timing of the rotating impellers. A controlled lubrication system is provided to ensure efficient operation without wastage of energy in the gear case.



ECO-FRIENDLY MACHINES

Our research for energy conservation, safety during operation and optimisation of the manufacturing processes is undertaken to meet our clients expectations, while preserving the environment and natural resources. Committed to persistent innovative effort, Kay engages important resources for research and development to offer state-of-the-art solutions.



A COMPLETE SOLUTION

Kay products are supplied as a self-contained package unit consisting base frame, safety valve, suction filter, suction silencer, discharge silencer, non-return valve, pressure gauge, anti-vibration pads, v-belts and v-belt guards / coupling and coupling guards, drive and driven pulleys, set of special tools, foundation bolts and interconnecting piping with flange or alternatively with any of the above items, specified as optional equipment.

We can supply the material in standard MOC configuration, i.e., Cast iron along with special MOC such as Stainless Steel, Cast Steel, Nickel Chrome or Bronze coated, etc. for critical application, as per clients requirement.



SOLID DESIGN

Our compact, sturdy design is engineered for continuous service when operated in accordance with speed and pressure/vacuum ratings.

Timing gears are secured to the shaft with taper mounting and locknuts. This eliminates the need for unreliable taper pins, aiding field maintenance. Roller bearings are engineered for reliable and long service life. All rotating parts like impellers and pulleys are dynamically balanced to avoid undue load on the bearings.



STRINGENT TEST

Measurement of characteristics like flow, pressure, power and vibration measurements analysis is taken and precisely recorded. Noise level measurement can be done after the installation of the compressor at site. We also offer quality control programmes, technical documentation, special calculations, or certificates of compliance to ASTM, DIN AND ISI codes, if required.



Performance Data

2KHC series

MODEL	INLET/ OUTLET MM	DISPL. CFR	2000		4000		6000		7000		8000		10000		
			MMWG		MMWG		MMWG		MMWG		MMWG		MMWG		
			RPM	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP	M3/hr	BHP
1620	350	7.02	750	8072	76	7711	142	7433	207	7312	239	7199	272	6993	337
			1150	12843	140	12481	240	12204	340	12083	390	11970	440	11764	540
1627	400	9.47	750	11114	99	10719	187	10416	275	10284	319	10160	363		
			1150	17550	175	17155	310	16852	445	16719	512	16596	580		
1630	450	10.52	750	12346	109	11907	207	11571	304	11424	353				
			1150	19495	190	19057	340	18720	490	18573	565				
1633	500	11.57	750	13578	119	13096	226	12726	334	12564	388				
			1150	21441	205	20959	369	20589	534	20427	617				
1642	600	14.73	750	17287	148	16672	285	16201	422						
			1150	27297	250	26683	460	26212	670						
1648	600	16.83	750	19751	167	19049	324								
			1150	31189	280	30487	520								
1824	400	10.65	750	12499	119	12054	218	11714	317	11565	367	11426	416	11173	515
			950	16117	167	15673	292	15333	418	15184	480	15045	543	14792	668
1833	500	14.87	750	17451	159	16831	297	16355	435	16147	504				
			950	22504	216	21884	391	21408	567	21200	654				
1838	500	16.9	750	19933	177	19270	335	18761	492	18539	570				
			950	25676	240	25013	439	24504	638	24282	738				
1842	600	18.64	750	21986	194	21254	367	20693	540						
			950	28320	261	27588	480	27027	700						
1849	600	21.8	750	25907	223	25131	426	24536	628						
			950	33314	298	32539	555	31944	812						
1854	600	24	750	28948	243	28270	467								
			950	37103	324	36426	607								
2024	400	13	750	15757	142	15422	264		385	15053	445	14949	506	14758	626
			950	20174	198	19839	351	15165	504	19470	581	19366	657	19175	810
2033	600	18.2	750	22114	191	21667	360	19583	530	21175	614	21036	699		
			950	28298	259	27851	473	21325	688	27359	795	27220	902		
2037	600	20.3	750	24725	211	24252	400	27509	588	23731	683				
			950	31623	284	31150	523	23889	762	30629	882				
2044	600	24.1	750	29425	246	28893	470	30787	694	28306	806				
			950	37614	328	37082	612	28485	896	36496	1038				
2048	600	26.1	750	31944	265	31400	507	36674	750						
			950	40813	352	40269	659	30982	967						
2064	750	35.07	750	43130	348	42485	674	39851							
			950	55047	458	54402	871								
2224	450	15.9	750	19131	180	18663	328		476	18147	550	18001	624	17734	772
			950	24533	253	24065	441		628	23549	722	23404	815	23137	1003
2231	600	20.55	750	24908	224	24379	415	18303	606	23795	701	23630	797		
			950	31891	308	31362	550	23706	792	30778	913	30613	1034		
2242	600	27.85	750	33756	291	33039	550	23973	809	32248	939				
			950	43220	394	42502	722	30955	1050	41711	1214				
2248	600	31.82	750	38568	328	37748	624	32488	920						
			950	49380	441	48561	816	41952	1191						
2266	750	43.76	750	53299	439	52279	846	37120							
			950	68169	582	67149	1097	47932							

1. Pressure rating based on inlet air at standard pressure of 14.7 psia. Standard temperature of 70° F and specific gravity of 1.0.
2. Forced lubrication for oil cooling shall be provided in 18" to 22" model.
3. All specifications are subject to change without notice.
4. Performance testing as per BS 1571 Part-II.



Performance Data

K3H SERIES

		INLET/OUTLET (mm)	200mbar		300mbar		400mbar		500mbar		600mbar		700mbar		800mbar		900mbar		1000mbar	
MODEL	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	M ³ /hr	BKW	M ³ /hr	BKW
K3H 3440	800	200/200	924	6.2	879	9.3	841	12.4	808	15.4	777	18.5	749	21.5	723	24.6	699	27.7	676	30.7
	1200		1487	9.5	1442	14.1	1404	18.7	1370	23.3	1340	27.9	1312	32.5	1286	37.1	1262	41.7	1239	46.3
	1600		2050	13.0	2005	19.2	1967	25.3	1933	31.4	1903	37.6	1875	43.7	1849	49.8	1824	55.9	1801	62.1
	2100		2753	17.9	2708	25.9	2670	34.0	2636	42.0	2606	50.0	2578	58.1	2552	66.1	2528	74.2	2505	82.2
K3H 3533	800	200/200	1154	7.6	1105	11.3	1064	15.1	1028	18.8	995	22.5	-	-	-	-	-	-	-	-
	1200		1841	11.6	1792	17.2	1750	22.8	1714	28.4	1681	34.0	-	-	-	-	-	-	-	-
	1600		2527	15.9	2478	23.3	2437	30.8	2400	38.3	2367	45.7	-	-	-	-	-	-	-	-
	2100		3385	21.7	3336	31.5	3295	41.3	3258	51.1	3225	60.9	-	-	-	-	-	-	-	-
K3H 3475	800	250/250	1631	10.8	1563	16.1	1505	21.3	1454	26.6	1409	31.8	1367	37.1	1327	42.4	1291	47.6	1256	52.9
	1200		2598	16.7	2530	24.6	2472	32.5	2422	40.4	2376	48.3	2334	56.2	2294	64.1	2258	72.0	2223	79.8
	1600		3565	23.1	3497	33.7	3439	44.2	3389	54.7	3343	65.2	3301	75.8	3262	86.3	3225	96.8	3190	107.4
	2100		4774	32.2	4706	46.1	4648	59.9	4597	73.8	4552	87.6	4510	101.4	-	-	-	-	-	-
K3H 3660	800	300/300	2381	15.3	2299	22.8	2230	30.2	2169	37.7	2114	45.2	2063	52.7	-	-	-	-	-	-
	1100		3410	21.4	3328	31.7	3259	42.0	3198	52.3	3143	62.6	3093	72.8	-	-	-	-	-	-
	1600		5126	32.7	5044	47.6	4975	62.5	4914	77.5	4859	92.4	4809	107.4	-	-	-	-	-	-
	2100		6842	45.4	6760	65.0	6691	84.7	6630	104.3	6575	123.9	-	-	-	-	-	-	-	-
K3H 3812	800	350/350	2964	18.8	2870	28.0	2790	37.3	2720	46.5	2656	55.7	-	-	-	-	-	-	-	-
	1200		4656	29.0	4562	42.8	4482	56.6	4412	70.5	4349	84.3	-	-	-	-	-	-	-	-
	1600		6349	40.1	6254	58.5	6174	76.9	6104	95.4	6041	113.8	-	-	-	-	-	-	-	-
	2100		8464	55.7	8369	79.9	8290	104.0	8220	128.2	8156	152.4	-	-	-	-	-	-	-	-
K3H 3540	800	250/250	2892	19.0	2887	28.2	2807	37.5	2736	46.8	2672	56.1	2614	65.3	2559	74.6	2508	83.9	2459	93.1
	1100		4259	26.6	4164	39.4	4084	52.1	4013	64.9	3949	77.6	3891	90.4	3836	103.1	3785	115.8	3736	128.6
	1500		5961	37.7	5866	55.7	5786	72.4	5716	89.8	5652	107.2	5593	124.5	5538	141.9	5487	159.3	5439	176.7
	1760		7068	45.5	6973	65.9	6893	86.2	6822	106.6	6758	127.0	-	-	-	-	-	-	-	-
K3H 3690	800	300/300	3919	24.6	3809	36.6	3716	48.6	3635	60.6	3561	72.6	3493	84.6	3429	96.6	-	-	-	-
	1100		5573	34.6	5463	51.1	5370	67.6	5288	84.1	5214	100.6	5146	117.1	5083	133.6	-	-	-	-
	1500		7777	49.0	7667	71.5	7575	94.0	7493	116.5	7419	139.0	7351	161.5	7288	184.0	-	-	-	-
	1760		9210	60.8	9100	85.6	9008	112.0	8926	138.4	8852	164.8	-	-	-	-	-	-	-	-
K3H 3840	800	350/350	4736	29.7	4609	44.1	4502	58.6	4407	73.0	4322	87.4	-	-	-	-	-	-	-	-
	1100		6725	41.8	6597	61.7	6490	81.5	6396	101.3	6310	121.2	-	-	-	-	-	-	-	-
	1500		9376	59.5	9248	86.6	9141	113.6	9047	140.7	8961	167.7	-	-	-	-	-	-	-	-
	1760		11099	72.2	10972	103.9	10864	135.7	10770	167.4	10685	199.2	-	-	-	-	-	-	-	-
K3H 3860	800	400/400	7693	48.7	7519	71.8	7372	94.8	7243	117.9	7126	140.9	7018	164.0	6918	187.0	6824	210.1	6735	233.1
	1000		9810	62.7	9636	91.5	9489	120.3	9360	149.2	9243	178.0	9135	206.8	9035	235.6	8941	264.4	8852	293.2
	1460		14679	99.9	14505	142.0	14358	184.1	14229	226.2	14112	268.2	14004	310.3	13904	352.4	13810	394.4	13721	436.5
K3H 31130	800	450/450	10272	63.4	10070	93.8	9899	124.3	9749	154.7	9613	185.1	9488	215.5	-	-	-	-	-	-
	1000		13065	81.1	12863	119.1	12692	157.2	12542	195.2	12406	233.2	12281	271.2	-	-	-	-	-	-
	1460		19489	126.8	19287	182.3	19116	237.8	18966	293.3	18830	348.9	18704	404.4	-	-	-	-	-	-
K3H 31050	700	500/500	13462	86.9	13173	127.1	12930	167.2	12715	207.4	12521	247.5	12343	287.7	12177	327.8	12021	368.0	11874	408.1
	1000		19783	134.1	19494	191.5	19250	248.8	19036	306.2	18842	363.5	18663	420.9	18497	478.2	18342	535.6	18194	592.9
	1200		23996	171.2	23707	240.0	23464	308.8	23249	377.6	23055	446.4	22877	515.3	22711	584.1	22555	652.9	22408	721.7
K3H 31480	700	600/600	21212	132.1	20800	194.9	20452	257.6	20145	320.4	19868	383.1	19613	445.9	-	-	-	-	-	-
	1000		31090	198.7	30678	288.3	30330	377.9	30023	467.6	29746	557.2	29451	646.8	-	-	-	-	-	-
	1200		37676	248.6	37263	356.2	36915	463.8	36608	571.3	36331	678.9	36077	786.5	-	-	-	-	-	-
K3H 31320	600	600/600	23430	145.1	23053	213.4	22736	281.8	22456	350.1	22202	418.5	21970	486.8	21753	555.2	21550	623.5	21357	691.9
	800		31800	202.1	31423	293.3	31105	384.4	30825	475.5	30572	566.7	30339	657.8	30122	748.9	29919	840.1	29726	931.2
	1000		40169	266.6	39792	380.5	39474	494.5	39194	608.4	38941	722.3	38708	836.2	38492	950.1	38288	1064.0	38096	1178.0
K3H 31860	600	750/750	33225	201.0	32740	297.3	32331	393.7	31971	490.0	31645	586.3	31346	682.6	-	-	-	-	-	-
	800		45020	276.7	44534	405.2	44125	533.6	43765	662.0	43439	790.4	43140	918.9	-	-	-	-	-	-
	1000		56814	359.9	56329	520.4	55920	680.9	55560	841.5	55234	1002.0	54934	1162.6	-	-	-	-	-	-
K3H 31600	500	750/750	36026	215.5	35516	319.7	35086	424.0	34708	528.2	34365	632.5	34050	737.7	33757	841.0	33482	945.2	33221	1049.5
	600		43685	262.3	43175	387.4	42745	512.5	42367	637.6	42024	762.7	41709	887.8	41416	1012.9	41141	1138.0	40880	1263.1
	750		55174	336.4	54664	492.7	54234	649.1	53855	805.5	53513	961.9	53198	1118.2	52905	1274.6	52629	1431.0	52369	1587.4
K3H 31980	500	900/900	44916	265.0	44359	394.0	43889	523.1	43476	652.1	-	-	-	-	-	-	-	-	-	
	600		54394	321.7	53837	476.6	53368	631.4	52954	786.2	-	-	-	-	-	-	-	-	-	-
	750		68612	410.7	68056	604.2	67586	797.7	67172	991.2	-	-	-	-	-	-	-	-	-	-
K3H 31560	500	900/900	49424	293.4	48811	435.4	48295	577.4	47840	719.4	47428	861.3	47050	1003.3	46697	1145.3	46367	1287.2	46054	1429.2
	600		59854	357.2	59241	527.5	58725	697.9	58270	868.2	57858	1038.6	57480	1209.0	57128	1379.3	56797	1549.7	56484	1720.1
	750		75500	458.0	74887	671.0	74370	883.9	73915	1096.9	73503	1309.8	73125	1522.8	72773	1735.7	72442	1948.7	72129	2161.6
K3H 31980L	500	1000/1000	62732	369.9	61954	550.1	61299	730.3	60721	910.5	-	-	-	-	-	-	-	-	-	
	600		75971	448.9	75193</															



Performance Data 3HVP SERIES

MODEL	RPM	INLET/OUTLET (mm)	VACUUM 20%		VACUUM 30%		VACUUM 40%		VACUUM 50%		VACUUM 60%		VACUUM 70%		VACUUM 80%		VACUUM 90%		VACUUM 93%	
			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	M ³ /hr	BKW	M ³ /hr	BKW
KAIV 310	3500	125	1449	12	1417	16	1383	20	1344	24	1290	28	1195	33	965	37	267	41	-	-
	3110		1275	10	1243	14	1209	18	1170	22	1116	25	1021	29	791	33	93	37	-	-
	2920		1191	10	1159	13	1125	17	1086	20	1031	24	936	27	707	31	BO	34	-	-
	2640		1067	9	1035	12	1001	15	962	19	907	22	812	24	583	28	-	31	-	-
	2350		938	8	906	11	872	14	833	17	778	20	683	22	454	24	-	-	-	-
KAIV 320	3300	150	2092	16	2029	21	1964	27	1889	34	1784	40	1602	47	1159	52	145	59	-	-
	3110		1959	15	1896	20	1832	26	1757	32	1652	38	1470	44	1026	49	BO	56	-	-
	2940		1841	14	1778	19	1714	24	1639	30	1534	36	1352	41	908	47	-	53	-	-
	2740		1702	13	1639	18	1574	23	1499	28	1394	33	1212	39	769	44	-	-	-	-
	2550		1570	12	1507	16	1442	21	1367	27	1262	31	1080	36	637	41	-	-	-	-
	2150		1292	10	1229	14	1163	18	1088	23	983	26	801	30	359	34	-	-	-	-
KAIV 322	2900	200	3917	26	3854	38	3788	48	3713	60	3606	71	3423	82	2977	94	1955	106	BO	BO
	2660		3576	24	3512	35	3446	44	3371	55	3265	65	3082	75	2635	86	1613	97	-	-
	2370		3164	22	3100	31	3034	40	2959	49	2853	58	2670	67	2223	77	1201	87	-	-
	2090		2766	19	2702	27	2636	35	2561	43	2455	51	2272	59	1825	68	802	76	-	-
	1800		2353	17	2289	24	2223	30	2148	37	2042	44	1859	51	1412	58	390	65	-	-
	1550		1998	15	1934	20	1868	26	1793	32	1687	38	1504	44	1057	50	34	56	-	-
KAIV 340	2500	300	5817	40	5700	58	5577	75	5468	87	5278	104	4807	121	3783	138	1061	157	BO	BO
	2250		5190	36	5070	52	4944	68	4832	78	4639	93	4180	109	3178	125	426	141	-	-
	2090		4788	34	4667	48	4539	63	4426	72	4230	87	3778	101	2791	116	BO	131	-	-
	1780		4010	29	3886	41	3754	53	3638	62	3437	74	2999	86	2040	98	-	110	-	-
	1350		2931	22	2804	31	2665	41	2546	47	2338	56	1919	66	1000	75	-	-	-	-
	750		1426	12	1290	17	1146	23	1021	26	804	31	413	37	-	41	-	-	-	-
KAIV 3702	1900	300	7935	52	7826	71	7712	96	7585	121	7401	143	7085	165	6319	189	4559	213	BO	BO
	1700		7062	47	6953	66	6839	86	6712	108	6528	128	6212	148	5446	169	3686	199	-	-
	1520		6277	42	6168	59	6054	77	5927	97	5743	115	5427	132	4661	151	2901	170	-	-
	1340		5492	37	5382	52	5268	67	5141	85	4957	101	4641	117	3875	134	2116	150	-	-
	1150		4663	32	4553	45	4439	58	4312	73	4128	87	3812	100	3046	115	1287	129	-	-
	750		2918	21	2808	29	2694	37	2567	48	2383	56	2067	66	1301	75	BO	84	-	-

Note :

1. Actual capacities for inlet temperature t1=20°C (at sea level).
2. Performance guaranteed upto 40°C ambient temperature.
3. B O = Blanked off

Blowers are **SILENT**
only
PERFORMANCE speaks



Performance Data 3HVPT SERIES

MODEL	RPM	INLET/OUTLET (mm)	VACUUM 20%		VACUUM 30%		VACUUM 40%		VACUUM 50%		VACUUM 60%		VACUUM 70%		VACUUM 80%		VACUUM 90%		VACUUM 93%	
			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	M ³ /hr	BKW	M ³ /hr	BKW
KAIV 3440T	2900	200	3917	26	3854	38	3788	48	3713	60	3606	71	3423	82	2977	94	1955	106	BO	110
	2660		3576	24	3512	35	3446	44	3371	55	3265	65	3082	75	2635	86	1613	97	-	-
	2370		3164	22	3100	31	3034	40	2959	49	2853	58	2670	67	2223	77	1201	87	-	-
	2090		2766	19	2702	27	2636	35	2561	43	2455	51	2272	59	1825	68	802	76	-	-
	1800		2353	17	2289	24	2223	30	2148	37	2042	44	1859	51	1412	58	390	65	-	-
1550	1998	15	1934	20	1868	26	1793	32	1687	38	1504	44	1057	50	34	56	-	-		
KAIV 3475T	2500	300	5817	40	5700	58	5577	75	5468	87	5278	104	4807	121	3783	138	1061	157	BO	162
	2250		5190	36	5070	52	4944	68	4832	78	4639	93	4180	109	3178	125	426	141	-	-
	2090		4788	34	4667	48	4539	63	4426	72	4230	87	3778	101	2791	116	BO	131	-	-
	1780		4010	29	3886	41	3754	53	3638	62	3437	74	2999	86	2040	98	-	110	-	-
	1350		2931	22	2804	31	2665	41	2546	47	2338	56	1919	66	1000	75	-	-	-	-
	750		1426	12	1290	17	1146	23	1021	26	804	31	413	37	-	41	-	-	-	-
KAIV 540T	1900	300	7935	52	7826	71	7712	96	7585	121	7401	143	7085	165	6319	189	4559	213	BO	221
	1700		7062	47	6953	66	6839	86	6712	108	6528	128	6212	148	5446	169	3686	199	-	-
	1520		6277	42	6168	59	6054	77	5927	97	5743	115	5427	132	4661	151	2901	170	-	-
	1340		5492	37	5382	52	5268	67	5141	85	4957	101	4641	117	3875	134	2116	150	-	-
	1150		4663	32	4553	45	4439	58	4312	73	4128	87	3812	100	3046	115	1287	129	-	-
	750		2918	21	2808	29	2694	37	2567	48	2383	56	2067	66	1301	75	BO	84	-	-
KAIV 3690T	1800	300	9190	61	9070	88	8861	112	8760	141	8538	165	8147	192	7208	219	5052	247	BO	-
	1600		8121	54	8015	77	7830	98	7689	125	7458	144	7079	171	6139	196	3983	219	-	-
	1400		7053	48	6961	68	6801	86	6654	109	6394	124	6008	149	5070	171	2915	192	-	-
	1200		5982	40	5904	58	5768	73	5551	94	5431	109	5204	129	4000	147	1844	165	-	-
	800		3843	27	3793	39	3706	48	3413	62	3137	72	2800	86	1861	98	BO	110	-	-
KAIV 3860T	1460	400	14679	102	14505	145	14123	187	13645	230	13313	273	12865	316	12096	359	8097	402	BO	-
	1000		9810	64	9636	93	9254	123	8776	152	8444	181	7996	211	7227	240	3228	270	-	-
	800		7693	50	7519	73	7137	97	6659	120	6327	144	5827	167	5110	191	1111	214	-	-
KAIV 31050T	1200	500	23183	167	22904	233	22318	300	21452	366	20667	433	19779	499	18323	566	10654	632	BO	-
	1000		19112	130	18833	186	18247	241	17381	313	16606	352	15709	407	14253	463	6587	518	-	-
	700		13006	84	12727	123	12141	162	11275	201	10500	239	9602	278	8146	317	477	356	-	-
KAIV 31320T	1000	600	39950	267	39524	381	38649	494	37003	608	35404	722	32978	836	29886	950	14772	1064	BO	-
	800		21581	202	31155	293	30280	384	28634	476	27035	567	24608	658	21517	749	6403	840	-	-
	600		23212	145	22785	213	21911	282	20265	350	18666	418	16239	487	13147	555	BO	624	-	-

Note :

1. Actual capacities for inlet temperature t1=20°C (at sea level).
2. Performance guaranteed upto 40°C ambient temperature.
3. B O = Blanked off

Kay International's air-blower solution
chosen by
'Nuclear Power Corporation of India'



Performance Data INDIANA SERIES

FRAME SIZE	RPM	INLET/OUTLET	100mbar		200mbar		300mbar		400mbar		500mbar		600 mbar		700mbar	
			M ³ /hr	BHP	M ³ /hr	BHP	M ³ /hr	BHP	M ³ /hr	BHP	M ³ /hr	BHP	M ³ /hr	BHP	M ³ /hr	BHP
2LK	1160	50	37	0.27	24	0.55	14	0.82	5	1.09						
	2000		87	0.47	74	0.94	63	1.42	55	1.89	47	2.36				
	3600		182	0.85	169	1.70	159	2.55	150	3.40	142	4.25				
3MK	1160	50	87	0.47	74	0.94	64	1.41	56	1.88	49	2.35				
	2000		173	0.81	160	1.62	150	2.43	142	3.24	134	4.04	128	4.85	121	5.66
	3600		336	1.46	323	2.91	313	4.37	305	5.82	297	7.28	291	8.74	285	10.19
3LK	1160	65	157	0.81	137	1.63	122	2.44	109	3.25	98	4.07				
	2000		305	1.40	286	2.80	270	4.21	258	5.61	246	7.01				
	3600		588	2.52	568	5.05	553	7.57	540	10.09	529	12.62				
4MK	1160	65	177	0.91	155	1.83	138	2.74	124	3.66	111	4.57	100	5.49	89	6.40
	2000		344	1.58	322	3.15	305	4.73	291	6.31	278	7.89	267	9.46	256	11.04
	3600		662	2.84	640	5.68	623	8.52	609	11.36	596	14.20	585	17.03	574	19.87
4LK	1160	80	262	1.33	231	2.66	208	3.99	188	5.32	171	6.65				
	2000		504	2.29	474	4.58	451	6.88	431	9.17	414	11.46				
	3600		966	4.13	936	8.25	913	12.38	893	16.50	876	20.63				
5MK	700	100	190	0.99	165	1.98	146	2.97	130	3.96	116	4.95				
	1760		568	2.49	543	4.98	524	7.47	508	9.96	494	12.46	481	14.95	470	17.44
	2850		957	4.03	932	8.07	913	12.10	897	16.14	883	20.17	870	24.20	859	28.24
5LK	700	100	327	1.65	290	3.30	261	4.95	237	6.61	216	8.26				
	1760		957	4.15	920	8.30	892	12.46	868	16.61	847	20.76				
	2850		1605	6.72	1568	13.45	1540	20.17	1516	26.89	1495	33.62				
6MK	700	125	366	1.81	328	3.61	300	5.42	276	7.23	255	9.04				
	1760		1055	4.54	1018	9.09	990	13.63	966	18.17	944	22.72	925	27.26	908	31.80
	2350		1439	6.07	1402	12.13	1374	18.20	1350	24.27	1328	30.33	1309	36.40	1292	42.47
6LK	700	125	708	3.39	648	6.78	601	10.16	562	13.55	528	16.94				
	1760		2001	8.52	1941	17.04	1894	25.55	1855	34.07	1821	42.59				
	2350		2721	11.37	2660	22.75	2614	34.12	2575	45.49	2541	56.86				
7MK	575	150	590	2.84	538	5.68	498	8.52	464	11.36	435	14.20	408	17.05	383	19.89
	1400		1618	6.92	1566	13.83	1526	20.75	1492	27.67	1462	34.58	1435	41.50	1411	48.42
	2050		2427	10.13	2375	20.26	2335	30.38	2301	40.51	2272	50.64	2245	60.77	2220	70.90
7LK	575	200	991	4.65	916	9.30	859	13.95	811	18.60						
	1400		2673	11.32	2598	22.65	2541	33.97	2493	45.29						
	2050		3997	16.58	3924	33.16	3866	49.74	3818	66.32						
8LK	1100	250	3015	12.90	2917	25.80	2842	38.70	2778	51.60						
	1260		3488	14.78	3390	29.55	3315	44.33	3251	59.11						
	1575		4419	18.47	4321	36.94	4246	55.42	4182	73.89						

NOTES:

1. Pressure rating based on inlet air at standard pressure of 14.7 psia, standard temperature of 70° F, and specific gravity of 1.0.
2. Vacuum rating based on inlet air at standard temperature of 70° F, discharge pressure of 30" hg and specific gravity of 1.0.
3. All specifications are subject to change without notice.
4. Performance testing as per bs 1571 part-ii. Above 7000 mmwg pressure, watercooled arrangement shall be provided.

Kay International's air-blower solution

chosen by

'Bhabha Atomic Research Centre'



state-of-the-art INFRASTRUCTURE



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Thermal/Power



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