

Note :

1. The above ratings are based on inlet air temperature of 104 deg. F, ambient pressure 1 kg/cm², specific gravity 1.0
2. Vacuum ratings are based on inlet air at standard temperature of 104 deg. F, discharge pressure 30" Hg and specific gravity of 1.0
3. Performance testing as per BS 1571, Part-II
4. Above 7000 MMWG pressure, water cooled arrangement shall be provided.
5. All specifications are subject to change without notice.

PERFORMANCE CATALOGUE OF TRI LOBE K3H SERIES

MODEL	RPM	INLET & OUTLET SIZE mm	200mbar		300mbar		400mbar		500mbar		600mbar		700mbar		800mbar		900mbar	
			Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw	Cu.M/hr	Bkw
K3H-3160	800	65/65	87	0.91	73	1.37	61	1.82	51	2.28	41	2.73	-	-	-	-	-	-
	1200		163	1.37	149	2.05	137	2.73	126	3.42	116	4.10	108	4.78	100	5.47	92	6.15
	1400		201	1.59	186	2.39	174	3.19	164	3.99	154	4.78	145	5.58	137	6.38	130	7.17
	2000		314	2.28	300	3.42	288	4.55	277	5.70	267	6.84	259	7.98	250	9.11	243	10.25
K3H-3279	850	80/80	170	1.70	145	2.25	124	3.40	105	4.25	89	5.10	-	-	-	-	-	
	1100		253	2.20	228	3.30	207	4.40	188	5.50	172	6.60	156	7.70	142	8.80	128	9.90
	1500		386	3.00	361	4.50	339	6.00	321	7.50	304	9.00	289	10.50	274	12.00	261	13.50
	2000		551	4.00	526	6.00	505	8.00	486	10.00	470	12.00	454	14.00	440	16.00	426	18.00
K3H-3406	800	100/100	224	2.33	187	3.50	157	4.66	130	5.83	105	6.99	-	-	-	-	-	
	1200		417	3.50	380	5.24	350	6.99	323	8.74	298	10.49	-	-	-	-	-	
	1700		658	4.95	622	7.43	591	9.90	564	12.38	539	14.86	-	-	-	-	-	
	2000		803	5.83	766	8.74	736	11.65	709	14.57	684	17.48	-	-	-	-	-	
K3H-3203	800	100/100	201	1.96	173	2.94	150	3.92	129	4.90	111	5.88	-	-	-	-	-	
	1200		394	2.94	336	4.41	312	5.88	292	7.35	273	8.33	256	10.30	240	11.77	225	13.24
	1600		526	3.92	498	5.88	475	7.85	454	9.81	436	11.77	418	13.73	402	15.69	387	17.65
	2000		688	4.90	661	7.35	637	9.81	617	12.26	598	14.71	581	17.16	565	19.61	550	22.06
K3H-3304	850	125/125	333	3.13	291	4.70	256	6.26	225	7.83	197	9.39	-	-	-	-	-	
	1200		546	4.42	504	6.63	469	8.84	438	11.05	410	13.26	384	15.47	360	17.68	338	19.89
	1600		790	5.89	748	8.84	713	11.78	682	14.73	654	17.68	628	20.62	604	23.57	582	26.51
	2000		1034	7.36	992	11.05	957	14.73	926	18.41	898	22.09	872	25.78	848	29.46	826	33.14
K3H-3406-A	800	125/125	403	3.93	347	5.89	300	7.86	259	9.82	222	11.79	-	-	-	-	-	
	1100		647	5.40	591	8.10	544	10.80	503	13.51	466	16.21	-	-	-	-	-	
	1500		972	7.37	917	11.05	870	14.73	829	18.42	791	22.10	-	-	-	-	-	
	2000		1379	9.82	1324	14.73	1277	19.65	1235	24.56	1198	29.47	-	-	-	-	-	
K3H-3440	800	200/200	916	6.88	866	10.32	824	13.75	786	17.19	753	20.63	722	24.07	-	-	-	
	1200		1485	10.32	1435	15.47	1393	20.63	1356	25.79	1322	30.93	1291	36.10	1262	41.26	1235	46.42
	1600		2055	13.75	2005	20.63	1963	27.51	1925	34.38	1892	41.26	1861	48.14	1832	55.01	1805	61.89
	2000		2624	17.19	2574	25.79	2532	34.38	2495	42.98	2461	51.58	2430	60.17	2401	68.77	2374	77.36
K3H-3533	800	200/200	1104	8.29	1044	12.43	993	16.58	948	20.72	907	24.86	-	-	-	-	-	
	1200		1790	12.43	1730	18.65	1679	24.86	1634	31.08	1594	37.30	-	-	-	-	-	
	1600		2477	16.58	2416	24.86	2365	33.15	2320	41.44	2280	49.73	-	-	-	-	-	
	2000		3163	20.72	3103	31.08	3052	41.44	3007	51.80	2966	62.16	-	-	-	-	-	
K3H-3475	800	250/250	1611	11.90	1530	17.85	1462	23.80	1402	29.75	1347	35.70	1297	41.65	-	-	-	
	1200		2596	17.85	2515	26.77	2447	35.70	2387	44.62	2333	53.84	2283	62.47	2236	71.39	2193	80.32
	1600		3582	23.80	3501	35.70	3433	47.60	3373	59.49	3318	71.39	3268	83.29	3222	95.19	3178	107.09
	2000		4567	29.75	4486	44.62	4418	59.49	4358	74.37	4304	89.24	4254	104.11	4207	118.99	4163	133.86
K3H-3660	800	300/300	2244	16.58	2131	24.86	2036	33.15	1953	41.44	1877	49.73	1808	58.02	-	-	-	
	1100		3274	22.79	3161	34.19	3066	45.48	2982	56.98	2907	63.38	2837	79.77	2772	91.17	-	
	1600		4990	33.15	4877	49.73	4782	66.31	4698	82.88	4623	99.46	4553	116.03	4488	132.61	-	
	2000		6362	41.44	6250	62.16	6155	82.88	6071	103.60	5995	124.32	-	-	-	-		
K3H-3812	800	350/350	2766	20.43	2627	30.65	2510	40.87	2407	51.08	2314	61.30	-	-	-	-		
	1200		4458	30.65	4320	45.97	4202	61.03	4099	76.62	4006	91.95	-	-	-	-		
	1600		6151	40.87	6012	61.30	5895	81.73	5791	102.17	5698	122.60	-	-	-	-		
	2000		7843	51.08	7704	76.62	7587	102.17	7484	127.71	7390	153.25	-	-	-	-		
K3H-3540	800	300/300	2966	20.84	2857	31.27	2765	41.69	2684	52.11	2610	62.53	2543	72.95	2480	83.37	2421	93.80
	1100		4261	28.66	4151	42.99	4059	57.32	3978	71.65	3905	85.98	3837	100.31	3775	114.64	3716	128.97
	1500		5987	39.08	5878	58.62	5786	78.16	5704	97.70	5631	117.24	5564	136.79	5501	156.33	5442	175.87
	1800		7281	46.90	7172	70.35	7080	93.80	6999	117.24	6926	140.69	6858	164.14	6795	187.59	6736	211.04
K3H-3690	800	350/350	3795	26.67	3655	40.00	3538	53.34	3434	66.67	3340	80.01	3254	93.34	3173	106.68	-	
	1100		5452	36.67	5312	55.01	5194	73.34	5090	91.68	4996	110.01	4910	128.35	4830	146.68	-	
	1500		7660	50.01	7521	75.01	7403	100.01	7299	125.01	7205	150.02	7119	175.02	7038	200.02	-	
	1800		9317	60.01	9177	90.01	9059	120.01	8955	150.02	8861	180.02	8775	210.02	8695	240.03	-	
K3H-3840	800	400/400	4624	32.50	4454	48.74	4310	64.99	4184	81.24	4070	97.49	-	-	-	-		
	1100		6643	44.68	6472	67.02	6329	89.36	6202	111.71	6088	134.05	-	-	-	-		
	1500		9334	60.93	9164	91.40	9020	121.86	8893	152.33	8779	182.79	-	-	-	-		
	1800		11352	73.12	11182	109.67	11038	146.23	10912	182.79	10797	219.35	-	-	-	-		
K3H-3860	800	400/400	7499	51.12	7281	76.69	7097	102.25	6936	127.81	6790	153.37	6655	178.93	6530	204.50	6412	230.06
	1000		9616	63.91	9398	95.86	9214	127.81	9053	159.76	8906	191.72	8772	223.67	8647	255.62	8529	287.57
	1200		11733	76.69	11515	115.03	11331	153.37	11170	191.72	11023	230.06	10889	268.40	10764	306.74	10646	345.09
K3H-31130	800	450/450	9894	67.45	9607	101.18	9365	134.91	9151	168.64	8958	202.36	8781	236.09	-	-	-	
	1000		12687	84.32	12400	126.48	12158	168.64	11944	210.79	11751	252.95	11574	295.11	-	-	-	
	1200		15480	101.18	15193	151.77	14951	202.36	14737	252.95	14544	303.54	14367	354.13	-	-	-	
K3H-31370	800	500/500	11952	81.49	11605	122.23	11313	162.97	11055	203.72	-	-	-	-	-	-		
	1000		15326	101.86	14979	152.79	14687	203.72	14429	254.65	-	-	-	-	-	-		
	1200		18701	122.23	18353	183.34	18061	244.46	17803	305.57	-	-	-	-	-	-		