

4621423

Attn. Mr. Tilakaram,

KFM Millenium Blower & Vacuum Pump Performance Table

BLOW ER TYPE	SPEED D (rpm)	Positive Displacement Blower												Vacuum Pump								Motor Lm
		0.1kg/cm²		0.2kg/cm²		0.3kg/cm²		0.4kg/cm²		0.5kg/cm²		0.6kg/cm²		-1000mmAq		-2000mmAq		-3000mmAq		-4000mmAq		
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SL050	1240	1.30	0.34	1.22	0.58	1.08	0.89	0.93	1.13	0.85	1.52	0.78	1.96	1.36	0.93	1.09	1.01	0.79	1.49	0.52	2.00	0.75kw
	1450	1.61	0.49	1.53	0.84	1.37	1.18	1.22	1.45	1.14	1.82	1.08	2.20	1.74	1.00	1.45	1.40	1.14	1.80	0.68	2.30	1.1kw
	1750	2.09	0.78	2.02	1.25	1.86	1.67	1.70	2.06	1.63	2.52	1.56	2.95	2.25	1.10	1.95	1.56	1.65	2.00	1.40	2.55	1.5kw
	2100	2.66	1.15	2.58	1.73	2.42	2.28	2.26	2.77	2.18	3.30	2.08	3.76	2.85	1.22	2.55	2.24	2.24	2.24	2.00	3.40	
SL065	1240	1.73	0.46	1.63	0.91	1.41	1.25	1.20	1.53	1.10	1.83	1.00	2.14	1.88	1.06	1.42	1.59	1.01	1.84	0.86	2.20	2.2kw
	1450	2.14	0.59	2.03	1.13	1.81	1.55	1.58	1.93	1.47	2.22	1.36	2.76	2.35	1.20	1.90	1.80	1.49	2.30	1.33	2.70	
	1750	2.80	0.92	2.68	1.53	2.45	2.06	2.22	2.53	2.11	3.04	2.00	3.52	3.04	1.40	2.57	2.10	2.16	2.80	2.01	3.40	3.7kw
	2100	3.55	1.27	3.43	2.03	3.19	2.67	2.96	3.25	2.84	3.87	2.71	4.44	3.92	1.61	3.48	2.42	3.10	3.40	2.95	4.25	
HL080 SL080	1150	3.50	1.25	3.34	1.95	3.02	2.44	2.71	2.87	2.45	3.27	2.18	3.57	3.72	1.70	3.13	2.70	2.53	3.60	2.06	4.46	5.5kw
	1450	4.86	1.79	4.70	2.76	4.38	3.51	4.07	4.20	3.80	4.90	3.54	5.51	5.14	1.98	4.58	3.12	3.96	4.21	3.51	5.24	
	1750	6.26	2.20	6.10	3.49	5.78	4.69	5.47	5.85	5.21	6.98	4.95	8.17	6.46	2.30	5.88	3.60	5.20	4.90	4.73	6.10	7.5kw
	2100	8.05	2.73	7.91	4.24	7.63	5.79	7.34	7.34	7.11	8.95	6.88	10.55	8.01	2.67	7.42	4.16	6.69	5.69	6.21	7.10	
HL100 SL100	1150	4.78	1.76	4.61	2.71	4.28	3.43	3.95	4.08	3.69	4.76	3.44	5.35	5.01	2.00	4.43	2.59	3.81	4.10	3.33	5.20	11kw
	1450	6.50	2.28	6.33	3.63	6.00	4.87	5.68	6.07	5.42	7.26	5.16	8.52	6.76	2.39	6.20	3.05	5.60	5.13	5.13	6.50	
	1750	8.23	2.85	8.06	4.50	7.74	6.18	7.41	7.85	7.16	9.51	6.90	11.17	8.41	2.80	7.83	3.60	7.21	6.20	6.73	7.90	15kw
	2100	10.41	3.46	10.26	5.33	9.97	7.38	9.69	9.42	9.45	11.41	9.22	13.39	10.40	3.29	9.75	4.27	9.11	7.41	8.62	9.42	
HL125 SL125	1180	8.27	3.36	8.07	4.31	7.68	5.96	7.28	7.61	7.00	9.26	6.73	10.92	8.57	2.67	7.76	4.31	7.11	5.95	6.55	7.61	
	1470	10.69	4.26	10.49	5.27	10.09	7.29	9.69	9.31	8.40	11.43	9.10	13.55	11.06	3.29	10.50	5.28	9.82	7.28	9.29	9.32	
	1750	13.17	5.00	12.99	6.19	12.61	8.57	12.24	10.95	11.95	13.52	11.57	16.00	13.43	3.90	13.17	6.20	12.47	8.57	11.96	10.94	
	1960	15.00	5.57	14.92	6.89	14.59	9.54	14.25	12.19	13.97	15.09	13.70	17.99	15.20	4.33	15.04	6.89	14.30	9.52	13.81	12.18	19kw
HL150 SL150	1180	15.06	5.99	15.55	7.32	14.93	10.00	14.32	12.68	13.82	15.48	13.32	18.28	16.30	4.49	15.12	7.44	14.04	10.46	13.08	13.57	
	1470	20.38	7.36	20.07	9.02	19.46	12.33	18.85	15.64	18.33	19.22	17.80	22.80	20.93	5.77	19.76	9.64	18.71	13.58	17.71	17.39	22kw
	1750	26.34	9.27	25.79	11.17	24.70	14.96	23.61	18.75	23.10	23.18	22.59	27.62	25.46	7.17	24.29	11.93	23.27	16.83	22.24	21.22	30kw
	1960	28.51	9.84	28.27	12.11	27.80	16.66	27.33	21.21	26.84	26.34	26.36	31.46	28.73	8.13	27.55	13.34	26.55	18.83	25.48	23.83	
HL200 SL200	730	23.66	8.78	23.34	11.00	22.68	18.42	22.02	19.85	21.47	24.41	20.92	28.97	23.49	6.03	22.48	11.44	21.70	15.06	20.81	19.11	
	880	28.96	10.31	28.61	13.04	27.90	18.51	27.19	23.99	26.60	29.54	26.01	35.09	28.41	6.99	27.60	11.41	26.09	16.79	25.13	22.22	45kw
	1100	37.12	12.53	36.76	16.03	36.04	23.05	35.33	30.06	34.76	37.07	34.18	44.07	36.03	8.45	35.03	12.91	33.37	21.79	32.26	28.13	37kw
	1470	50.52	10.51	50.14	21.26	49.36	30.74	48.58	40.23	47.97	49.63	47.37	59.03	48.98	11.41	47.74	20.56	45.31	29.32	44.07	38.25	
HL250 SL250	800	37.87	12.78	37.42	16.38	36.52	23.58	35.61	30.78	34.94	37.95	34.28	45.12	36.55	8.56	35.48	15.41	33.55	22.26	32.31	29.10	
	960	45.92	15.40	45.48	19.76	44.58	28.49	43.69	37.22	43.00	45.72	42.30	54.23	44.46	10.61	43.26	18.91	41.18	27.21	39.80	35.51	
	1150	56.46	18.56	56.02	23.85	55.15	34.44	54.28	45.04	53.67	55.07	53.07	65.10	54.19	13.07	52.67	22.62	50.14	32.50	48.73	42.50	55kw
	1350	67.50	21.86	67.09	28.12	66.28	40.65	65.46	53.13	64.95	64.85	64.45	76.52	64.25	15.63	62.81	25.65	59.63	38.29	58.09	50.08	75kw
HL300 SL300	800	76.43	25.43	75.50	32.89	73.63	47.19	71.77	61.49	70.37	75.83	68.97	90.17	78.55	18.35	78.08	33.29	71.89	47.56	69.31	62.51	90kw
	960	93.56	29.81	92.64	38.49	90.80	55.85	88.97	73.22	87.61	89.96	86.25	106.70	94.99	21.74	90.78	38.73	87.31	55.72	84.60	73.38	110kw
	1150	114.69	34.65	113.88	45.15	112.25	66.15	110.63	87.15	109.46	106.75	108.30	126.34	114.49	25.82	108.93	44.85	105.32	65.23	102.47	86.29	132kw
	1350	135.61	40.37	134.76	52.72	133.07	77.43	131.37	102.14	130.17	125.01	128.98	147.86	134.64	30.32	127.36	52.31	123.19	75.61	119.93	100.07	175kw

- Qs is air volume at suction status (pressure 760mmHg, temperature 20°C, relative) humidity is 75% and specific weight is 1.2kg/m³
- Blower type (E, S, H) can be decided according to impeller type & material
- The actual using motor output is to be prepared blower shaft power of $La \times (1.1 \sim 1.2)$
- The tolerance on all air volume $\pm 5\%$ as per KS B 6351
- The air volume or pressure which is not in the performance table can be settled by the control of rpm