KFM Millenium Blower & Vacuum Pump Performance Table

Blower Type (Discharge in mm)	Speed (rpm)	Suction air volume Qs (m³/min) and required Shaft Power La (kW)												Moter
		0.1kg/cm² (9.8kPa)		0.2kg/cm² (29.4kPa)		0.3kg/cm² (29.4kPa)		0.4kg/cm² (39.2kPa)		0.5kg/cm² (49.0kPa)		0.6kg/cm² (58.8kPa)		
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Lm
SL 050 (50)	1240	1.46	0.74	1.26	1.07	1.12	1.37	0.99	1.68	0.86	2.02	0.72	2.32	
	1450	1.79	0.87	1.58	1.23	1.42	1.58	1.27	1.94	1.12	2.31	1.00	2.68	1.1kw
	1750	2.25	1.02	2.03	1.48	1.87	1.95	1.72	2.41	1.57	2.88	1.45	3.34	1.5kw
	2100	2.84	1.24	2.58	1.82	2.40	2.39	2.23	2.98	2.05	3.57	1.91	4.16	
SL 065 (65)	1240	1.90	0.97	1.66	1.36	1.46	1.70	1.27	2.06	1.12	2.39	0.96	2.63	2.2kw
	1450	2.35	1.10	2.08	1.57	1.84	1.98	1.63	2.44	1.46	2.86	1.34	3.36	
	1750	3.04	1.35	2.70	1.93	2.46	2.51	2.25	3.19	2.07	3.85	1.92	4.60	3.7kw
	2100	3.81	1.62	3.40	2.32	3.11	3.03	2.86	3.87	2.64	4.68	2.48	5.65	
SL/HL 080 (80)	1150	3.72	1.45	3.31	2.16	2.96	2.74	2.67	3.31	2.37	3.76	2.14	4.19	5.5kw
	1450	5.09	1.79	4.68	2.75	4.33	3.60	4.04	4.50	3.75	5.36	3.52	6.20	
	1750	6.46	2.09	6.05	3.27	5.70	4.36	5.41	5.55	5.12	6.73	4.88	7.91	7.5kw
	2100	8.14	2.51	7.64	3.94	7.22	5.27	6.88	6.71	6.53	8.17	6.24	9.63	
SL/HL 100 (100)	1150	5.01	1.82	4.60	2.82	4.25	3.73	3.94	4.73	3.67	5.73	3.43	6.73	11kw
	1450	6.71	2.18	6.31	3.45	5.96	4.64	5.65	5.82	5.37	7.09	5.13	8.36	
	1750	8.41	2.55	8.01	4.09	7.66	5.64	7.35	7.14	7.07	8.64	6.83	10.18	15kw
	2100	10.57	3.05	10.09	4.91	9.67	6.78	9.30	8.69	8.96	10.43	8.67	12.31	
SL/HL 125 (125)	1180	8.22	2.59	7.74	4.17	7.31	5.75	6.94	7.33	6.70	8.92	6.40	10.50	
	1470	10.78	3.32	10.27	5.38	9.89	7.44	9.51	9.51	9.19	11.63	8.94	13.96	
	1750	13.13	3.98	12.63	6.43	12.26	8.88	11.88	11.33	11.57	13.98	11.32	16.63	
	1960	15.16	4.45	14.65	7.19	14.29	9.99	13.92	12.81	13.62	15.88	13.39	18.93	19kw
SL/HL 125L (125L)	1180	13.29	3.90	12.50	6.27	11.81	8.65	11.22	11.02	10.83	13.40	10.33	15.77	
	1470	17.23	4.89	16.42	7.92	15.82	10.95	15.21	13.98	14.70	17.11	14.29	20.53	
	1750	21.00	5.85	20.20	9.45	19.60	13.06	19.00	16.67	18.50	20.57	18.10	24.46	
	1960	23.99	6.55	23.19	10.59	22.61	14.70	22.02	18.85	21.55	23.37	21.18	27.93	
SL/HL 150 (150)	1180	16.13	4.51	15.31	7.39	14.57	10.29	14.05	13.26	13.53	16.15	13.01	18.77	22kw
	1470	20.56	5.61	19.75	9.31	19.09	13.04	18.58	16.91	18.07	20.78	17.45	24.30	30kw
	1750	24.95	6.71	24.17	11.16	23.52	15.74	23.02	20.53	22.52	25.12	22.01	29.43	
	1960	28.65	7.48	27.82	12.47	27.13	17.63	26.61	23.04	26.10	28.27	25.64	33.29	
SL/HL 150L (150L)	1180	22.27	6.07	21.14	10.06	20.11	14.16	19.39	18.41	18.67	22.59	17.96	26.72	
	1470	28.39	7.67	27.27	12.67	26.36	17.84	25.65	23.32	24.94	28.60	24.33	34.06	
	1750	34.80	9.17	33.70	15.41	32.80	21.69	32.10	28.38	31.40	34.88	30.70	41.29	
	1960	39.95	10.22	38.80	17.23	37.84	24.30	37.101	31.85	36.40	39.25	35.76	46.70	
SL/HL 200 (200)	730	21.57	6.02	20.94	10.14	20.29	14.48	19.68	18.83	19.08	22.84	18.48	26.74	
	880	26.52	7.11	25.78	12.22	25.14	17.46	24.43	22.70	23.87	27.53	23.44	32.23	37kw
	1100	34.24	8.82	33.40	15.18	32.63	21.98	31.93	28.56	31.24	34.70	30.84	40.98	45kw
	1470	47.85	11.71	46.98	20.36	45.87	29.27	44.99	38.12	44.42	46.57	43.84	55.38	
SL/HL 250 (250)	800	36.82	9.75	35.86	16.43	34.81	23.47	33.95	30.51	33.09	37.01	32.23	43.33	
	960	44.63	11.70	43.47	19.72	42.28	28.17	41.35	36.61	40.43	44.41	39.53	52.00	
	1150	54.58	13.84	53.29	23.70	52.06	34.23	50.95	44.34	49.54	53.61	48.60	63.01	55kw
	1350	64.99	15.90	63.61	27.52	62.29	39.74	61.10	51.77	60.62	63.18	59.18	74.98	75kw
SL/HL 300 (300)	800	74.64	20.81	71.85	30.73	69.81	44.04	67.88	57.36	66.26	70.67	64.65	84.15	90kw
	960	91.31	24.37	88.39	36.98	86.23	53.40	84.35	69.87	82.61	86.15	80.78	102.14	110kw
	1150	110.48	29.20	107.47	44.52	105.15	64.48	103.07	84.53	101.13	104.43	99.5	124.5	132kw
	1350	130.99	34.27	128.05	52.52	125.29	76.06	123.17	100.01	121.21	123.98	119.7	148.4	175kw

Blower Type (Discharge in mm)	Speed (rpm)	−1000mmAq		−2000mmAq		−3000mmAq		−4000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La
SL 050V	1240	1.36	0.93	1.09	1.01	0.79	1.49	0.52	2.00
	1450	1.74	1.00	1.45	1.40	1.14	1.80	0.68	2.30
	1750	2.25	1.10	1.95	1.56	1.65	2.00	1.40	2.55
	2100	2.85	1.22	2.55	2.24	2.24	2.66	1.92	3.20
SL 065V	1240	1.88	1.06	1.42	1.59	1.01	1.84	0.86	2.20
	1450	2.35	1.20	1.90	1.80	1.49	2.30	1.33	2.70
	1750	3.04	1.40	2.57	2.10	2.16	2.80	2.01	3.40
	2100	3.92	1.61	3.48	2.42	3.10	3.40	2.95	4.25
HL 080V SL 080V	1150	3.72	1.70	3.13	2.70	2.53	3.60	2.06	4.46
	1450	5.14	1.98	4.58	3.12	3.96	4.21	3.51	5.24
	1750	6.46	2.30	5.88	3.60	5.20	4.90	4.73	6.10
	2100	8.01	2.67	7.42	4.16	6.69	5.69	6.21	7.10
HL 100V SL 100V	1150	5.01	2.00	4.43	2.59	3.81	4.10	3.33	5.20
	1450	6.76	2.39	6.20	3.05	5.60	5.13	5.13	6.50
	1750	8.41	2.80	7.83	3.60	7.21	6.20	6.73	7.90
	2100	10.40	3.29	9.75	4.27	9.11	7.41	8.62	9.42
HL 125V SL 125V	1180	8.57	2.67	7.76	4.31	7.11	5.95	6.55	7.61
	1470	11.06	3.29	10.50	5.28	9.82	7.28	9.29	9.32
	1750	13.43	3.90	13.17	6.20	12.47	8.57	11.96	10.94
	1960	15.20	4.33	15.04	6.89	14.30	9.52	13.81	12.18
SL 125LV HL 125LV	1180	13.0	4.1	11.8	6.6	10.8	9.1	9.9	11.6
	1470	17.0	5.0	15.9	8.1	14.8	11.2	14.0	14.4
	1750	21.0	6.0	20.6	9.7	19.5	13.4	18.7	18.7
HL 150V SL 150V	1180	16.30	4.49	15.12	7.44	14.04	10.46	13.08	13.57
	1470	20.93	5.77	19.76	9.64	18.71	13.58	17.71	17.39
	1750	25.46	7.17	24.29	11.93	23.27	16.83	22.24	21.22
	1960	28.73	8.13	27.55	13.34	26.55	18.83	25.48	23.83
SL 150LV HL 150LV	1180	21.7	6.1	20.1	10.1	18.6	14.2	17.3	18.2
	1470	28.0	7.5	26.4	12.5	25.0	17.6	23.6	23.0
	1750	34.8	9.8	33.2	16.3	31.8	23.0	30.4	29.0
HL 200V SL 200V	730	23.49	6.03	22.48	11.44	21.70	15.06	20.81	19.11
	880	28.41	6.99	27.60	11.41	26.09	16.79	25.13	22.22
	1100	36.03	8.45	35.03	12.91	33.37	21.79	32.26	28.13
	1470	48.98	11.41	47.74	20.56	45.31	29.32	44.07	38.25
HL 250V SL 250V	800	36.55	8.56	35.48	15.41	33.55	22.26	32.31	29.10
	960	44.46	10.61	43.26	18.91	41.18	27.21	39.80	35.51
	1150	54.19	13.07	52.67	22.62	50.14	32.50	48.73	42.50
	1350	64.25	15.63	62.81	25.65	59.63	38.29	58.09	50.08
HL 300V SL 300V	800	78.55	18.35	78.08	33.29	71.89	47.56	69.31	62.51
	960	94.99	21.74	90.78	38.73	87.31	55.72	84.60	73.38
	1150	114.49	25.82	108.99	44.85	105.32	65.23	102.47	86.29
	1350	134.64	30.32	127.36	52.31	123.19	75.81	129.93	100.07

- Qs is air volume at suction status (pressure 760mmHg, temperature 20℃, relative) humidity is 75% and specific weight is 1.2kg/m³
- The actual using motor output is to be prepared blower shaft power of La×(1.1~1.2)
- The tolerance on all air volume ±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