









SKP
Constant Air Volume Dampers



SKP SERIES

Constant Air Volume Dampers



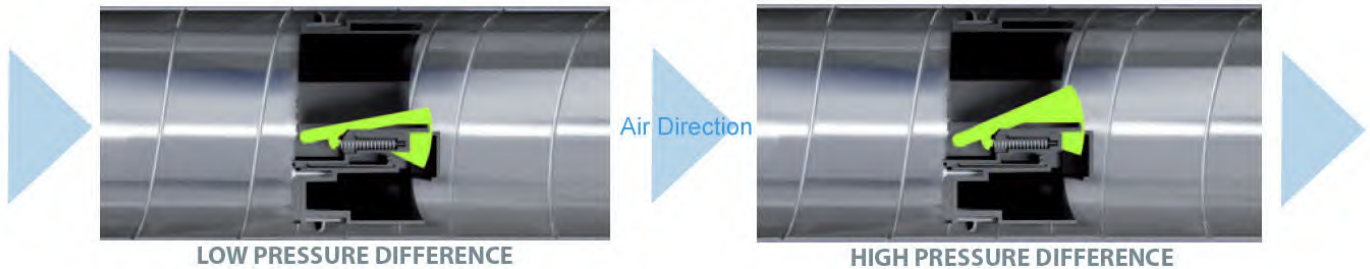
-  Self-adjusts to maintain preset air volume despite pressure variations
-  3 Models for Various Pressure Ranges: SKP (0.2"-1" or 50-250 Pa), SKP-LP (0.08"-0.4" or 20-100 Pa) and SKP-HP (0.6"-2.4" or 150-600 Pa)
-  Available for duct diameters ranging between 3" and 10"
-  Facilitates air balancing
-  Helps ensure optimal performance of the system over time
-  Great solution for high ceilings and areas hard to access for balancing

SKP series constant air volume dampers for circular duct by EffectiV HVAC™ greatly facilitate the balancing of ventilation systems. Those dampers maintain constant air volume within a pressure zone between 0.08 in.w.g and 2.4 in.w.g. depending on the model.

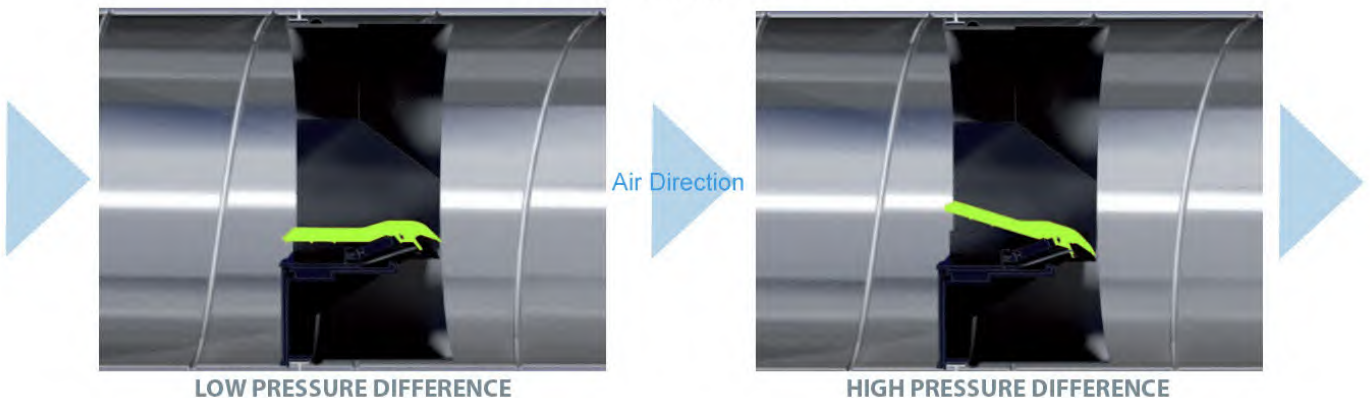
SKP is a self-adjustable damper. It is preset by the installer to maintain a specific air volume in cfm, by mean of a screwdriver torx n°10. The damper will then auto-adjust itself to maintain the desired volume of air while performing within the pressure range. The damper is operated by an opposed opening force of an air blade against a spring.

Housing is constructed from galvanized steel or plastic, the regulator blade is constructed from plastic and tightness joint from rubber. The entire product is rated UL 2043.

SKP 3" and 4" Diameters



SKP 5" Diameter and Up

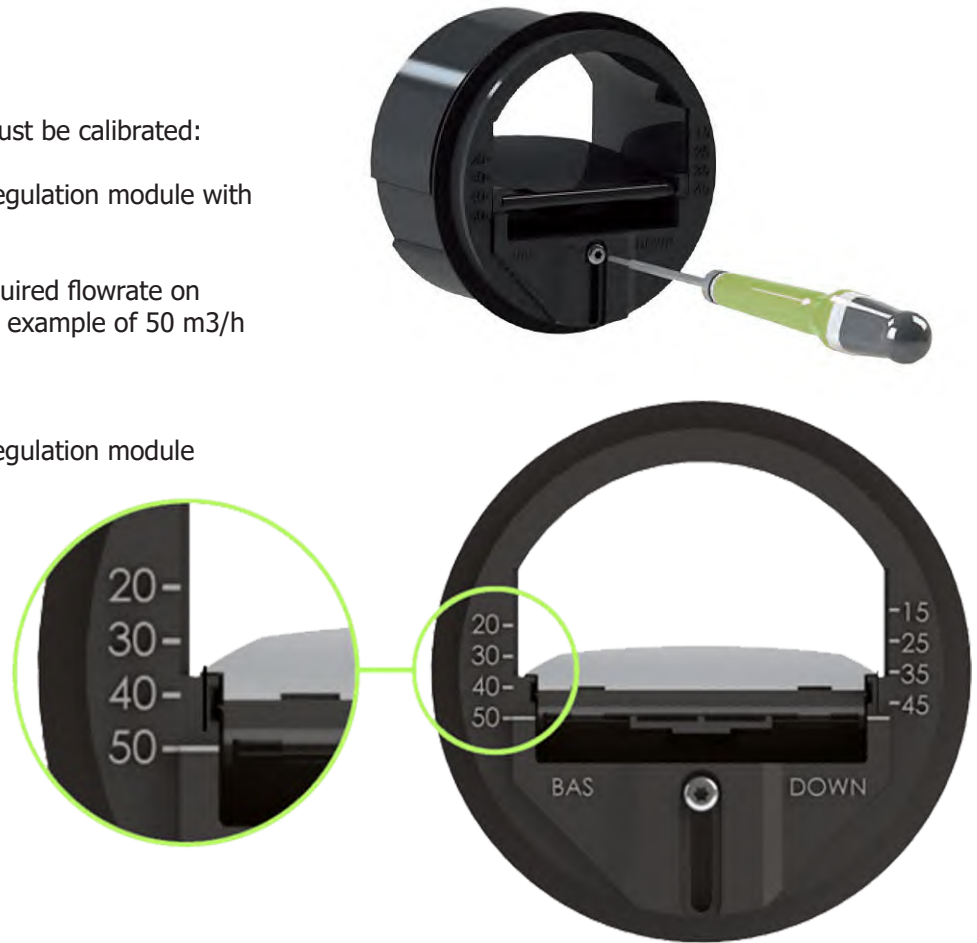


SKP Adjustment

Before fitting the regulator, the flowrate must be calibrated:

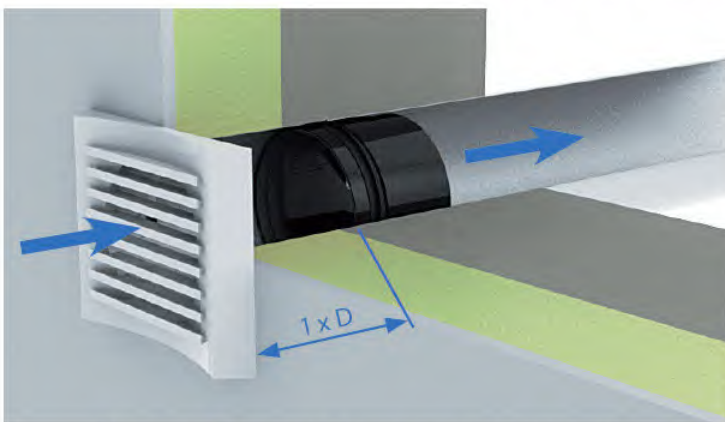
1. Slacken the locking screw on the flow regulation module with a Torx No.10 screwdriver
2. Align the set point marking with the required flowrate on the left or right of the module (see picture example of 50 m³/h setting). **1 cfm = 1.7 m³/h**
Newer versions are labeled in cfm.
3. Tighten the locking screw on the flow regulation module

Intermediate flowrates are possible by aligning the set point marking between graduations on the regulator.

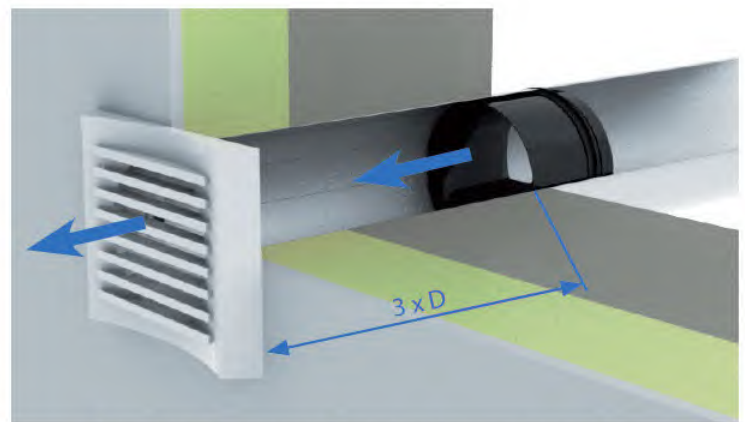


SKP Installation

It is essential to comply with the direction of air flow shown on the sleeve

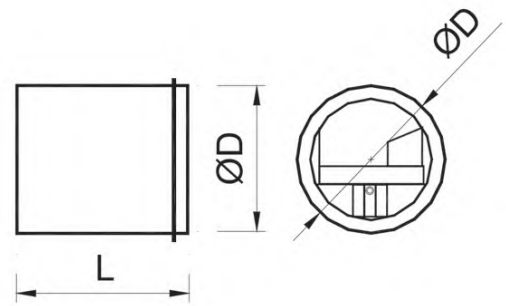


Constant flow regulator in return air mode



Constant flow regulator in air supply mode

SKP Dimensions and Performance Overview



SKP (Standard)

Operates between 0.2 and 1 in.w.g. (50-250 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP 03 29	2 63/64"	2 1/4"	15	50	9	29
SKP 04 29	3 25/32"	2 43/64"	15	50	9	29
SKP 04 59	3 25/32"	2 43/64"	50	100	29	59
SKP 05 29	4 23/32"	2 43/64"	15	50	9	29
SKP 05 59	4 23/32"	2 43/64"	50	100	29	59
SKP 05 106	4 23/32"	3 25/64"	100	180	59	106
SKP 06 59	5 53/64"	3 11/32"	50	100	29	59
SKP 06 106	5 53/64"	3 11/32"	100	180	59	106
SKP 06 157	5 53/64"	3 11/32"	180	300	106	177
SKP 08 106	7 43/64"	3 37/64"	100	180	59	106
SKP 08 177	7 43/64"	3 37/64"	180	300	106	177
SKP 08 294	7 43/64"	3 37/64"	300	500	177	294
SKP 10 106	9 41/64"	4 23/32"	100	180	59	106
SKP 10 177	9 41/64"	4 23/32"	180	300	106	177
SKP 10 294	9 41/64"	4 23/32"	300	500	176	294
SKP 10 470	9 41/64"	4 23/32"	450	800	265	470

SKP-LP (Low Pressure)

Operates between 0.08 and 0.4 in.w.g. (20-100 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP-LP 03 18	2 63/64"	2 11/64"	10	30	6	18
SKP-LP 04 18	3 25/32"	2 3/4"	10	30	6	18
SKP-LP 04 35	3 25/32"	2 3/4"	30	60	18	35
SKP-LP 05 18	4 23/32"	3 25/64"	10	30	6	18
SKP-LP 05 35	4 23/32"	3 25/64"	30	60	18	35
SKP-LP 05 71	4 23/32"	3 25/64"	60	120	35	71

SKP-HP (High Pressure)

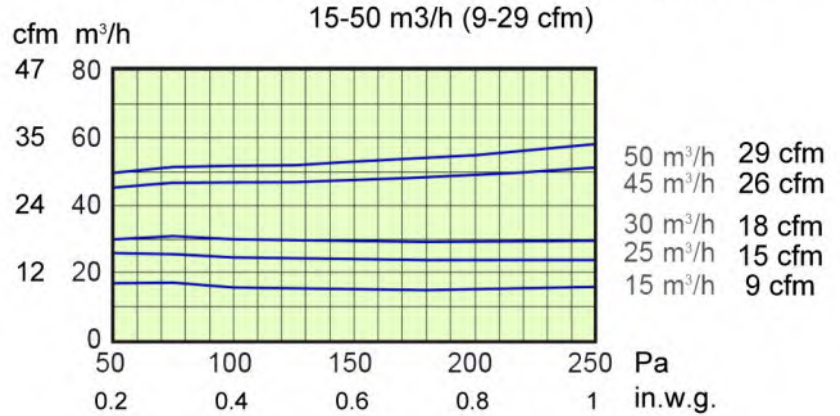
Operates between 0.6 and 2.4 in.w.g. (150-600 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP-HP 03 53	2 63/64"	2 11/64"	25	90	15	53
SKP-HP 04 53	3 25/32"	2 3/4"	25	90	15	53
SKP-HP 04 100	3 25/32"	2 3/4"	90	170	53	100
SKP-HP 05 53	4 23/32"	3 25/64"	25	90	15	53
SKP-HP 05 100	4 23/32"	3 25/64"	90	170	53	100
SKP-HP 05 176	4 23/32"	3 25/64"	180	300	106	176
SKP-HP 06 53	5 53/64"	3 37/64"	25	90	15	53
SKP-HP 06 100	5 53/64"	3 37/64"	90	170	53	100
SKP-HP 06 176	5 53/64"	3 37/64"	180	300	106	176
SKP-HP 06 294	5 53/64"	3 37/64"	300	500	176	294
SKP-HP 08 100	7 43/64"	3 37/64"	90	170	53	100
SKP-HP 08 176	7 43/64"	3 37/64"	180	300	106	176
SKP-HP 08 294	7 43/64"	3 37/64"	300	500	176	294
SKP-HP 08 500	7 43/64"	3 37/64"	500	850	294	500
SKP-HP 10 176	9 41/64"	4 23/32"	180	300	106	176
SKP-HP 10 294	9 41/64"	4 23/32"	300	500	176	294
SKP-HP 10 500	9 41/64"	4 23/32"	500	850	294	500
SKP-HP 10 765	9 41/64"	4 23/32"	850	1300	500	765

SKP 3" Performance Data



SKP 03 29 (3 in. diameter, up to 29 cfm)



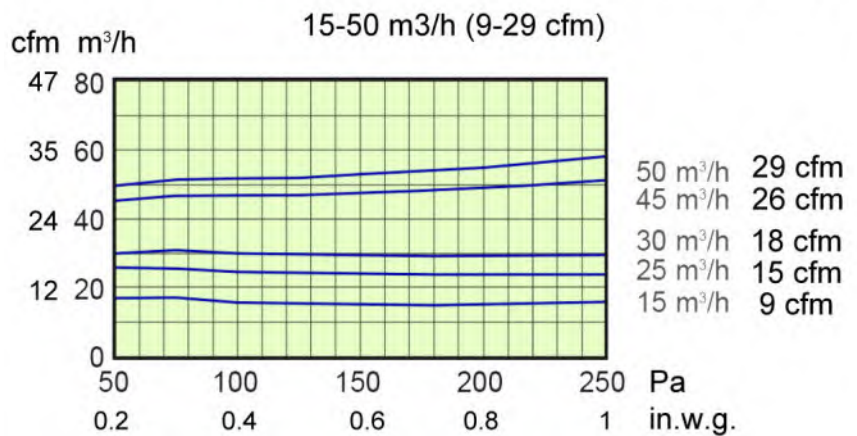
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	24	30	33	35	37
18	30	27	33	39	43	45
26	45	27	33	39	42	45
29	50	28	34	38	42	45

SKP 4" Performance Data



SKP 04 29 (4 in. diameter, up to 29 cfm)

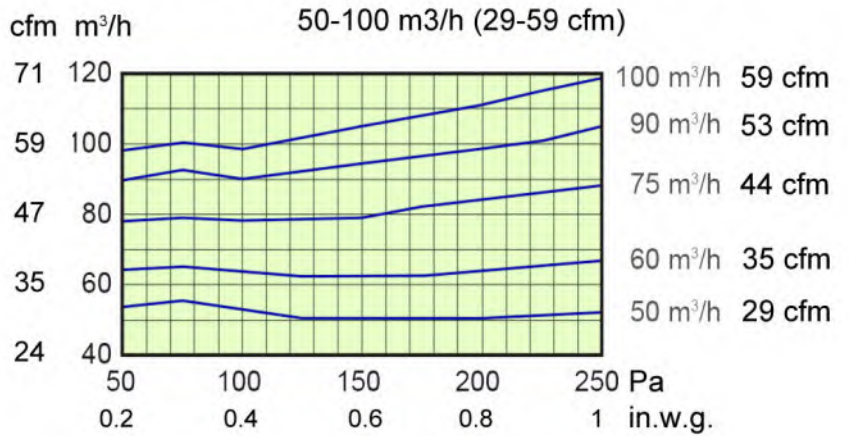


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	24	26	30	33	36
15	25	26	33	37	41	44
18	30	27	33	37	42	45
26	45	29	36	40	42	44
29	50	29	36	38	42	44



SKP 04 59 (4 in. diameter, up to 59 cfm)



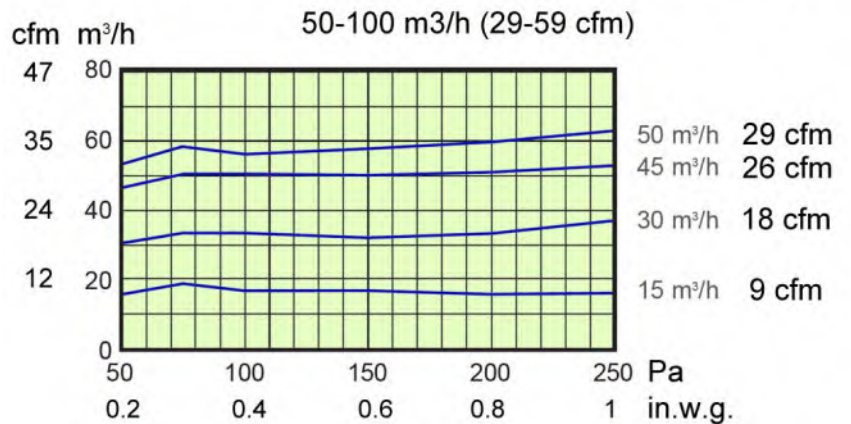
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
29	50	29	35	40	43	45
35	60	31	37	41	44	46
44	75	31	38	42	45	48
53	90	33	39	43	46	48
59	100	33	39	43	46	48

SKP 5" Performance Data



SKP 05 29 (5 in. diameter, up to 29 cfm)

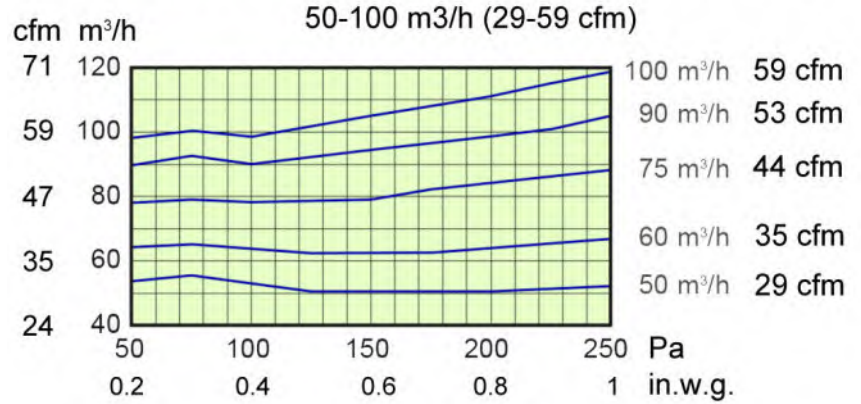


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	25	29	32	34	36
15	25	26	32	37	42	45
18	30	27	32	37	42	46
26	45	28	33	37	41	44
29	50	30	34	37	41	44



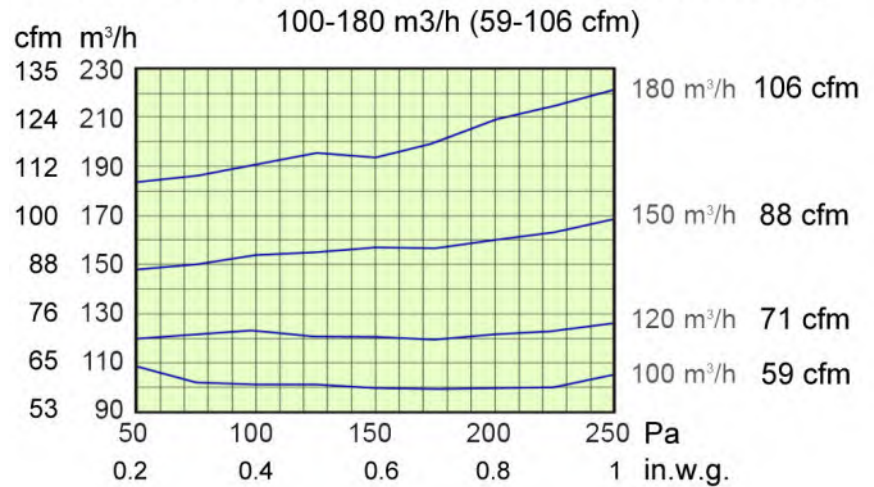
SKP 05 59 (5 in. diameter, up to 59 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
29	50	27	34	39	43	45
35	60	30	35	39	43	45
44	75	31	35	39	43	45
53	90	32	35	39	43	45
59	100	34	36	40	43	45

SKP 05 106 (5 in. diameter, up to 106 cfm)



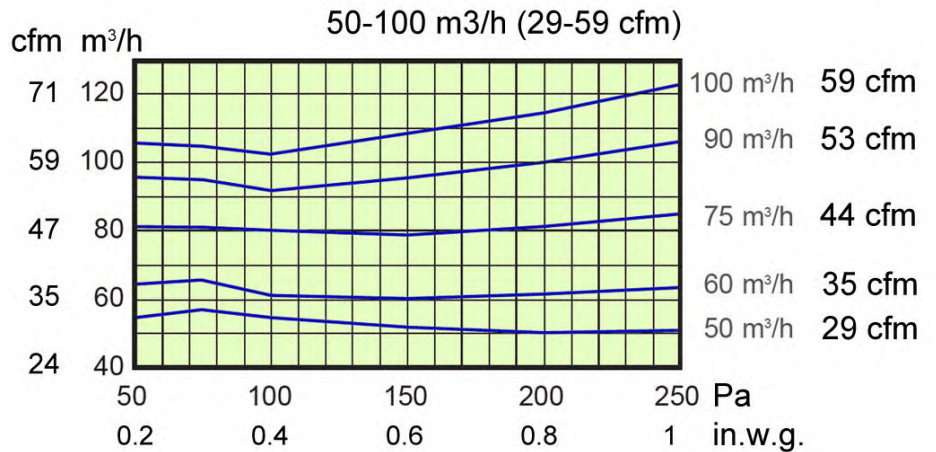
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	35	40	44	48	50
71	120	35	41	45	47	48
88	150	36	42	45	47	49
106	180	38	42	45	47	49

SKP 6" Performance Data



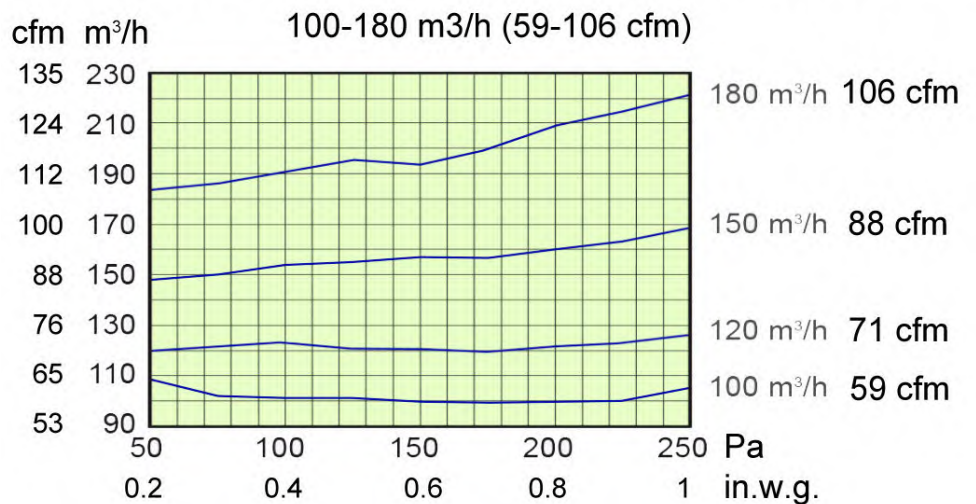
SKP 06 59 (6 in. diameter, up to 59 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	25	29	32	34	36
15	25	26	32	37	42	45
18	30	27	32	37	42	46
26	45	28	33	37	41	44
29	50	30	34	37	41	44

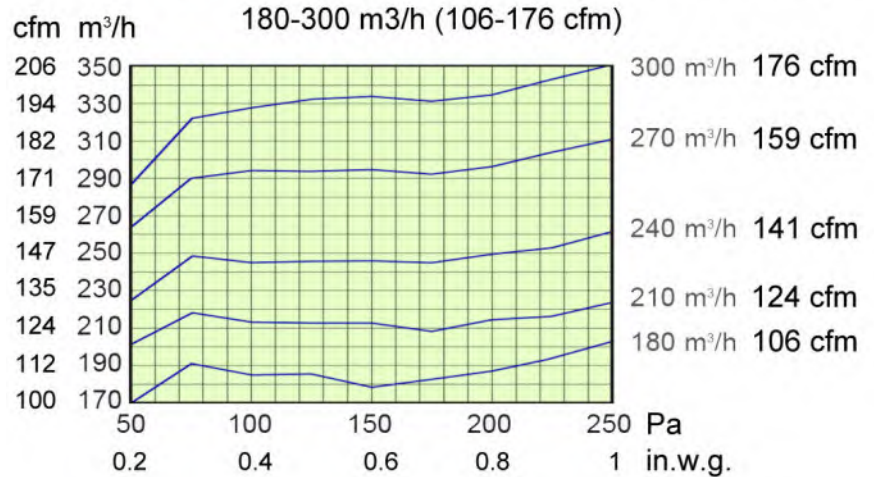
SKP 06 106 (6 in. diameter, up to 106 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	38	44	46	49	51
71	120	39	44	47	49	50
88	150	40	45	49	51	52
106	180	42	47	49	51	53

SKP 06 176 (6 in. diameter, up to 176 cfm)

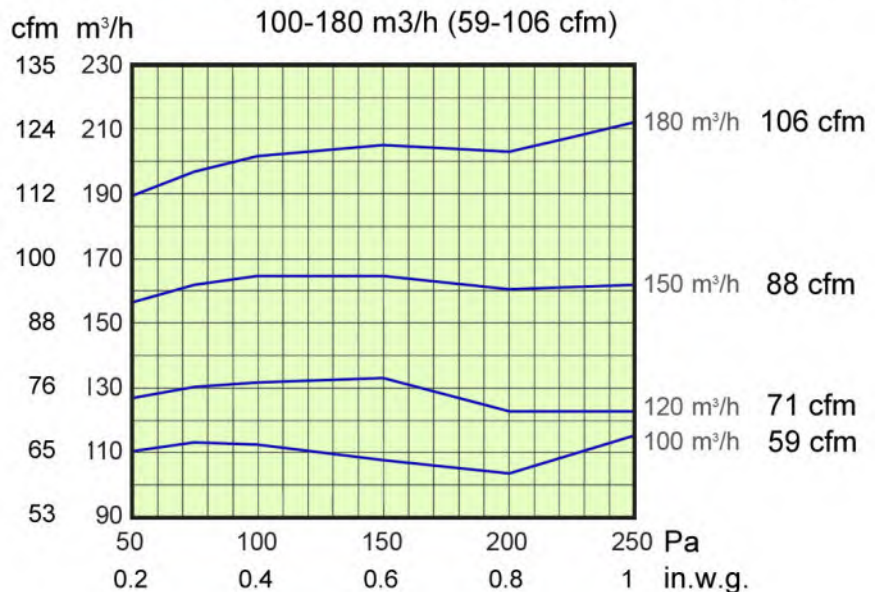


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	38	43	46	49	51
124	210	39	45	48	50	52
141	240	40	44	47	49	50
159	270	39	45	48	50	52
176	300	41	46	49	51	53

SKP 8" Performance Data

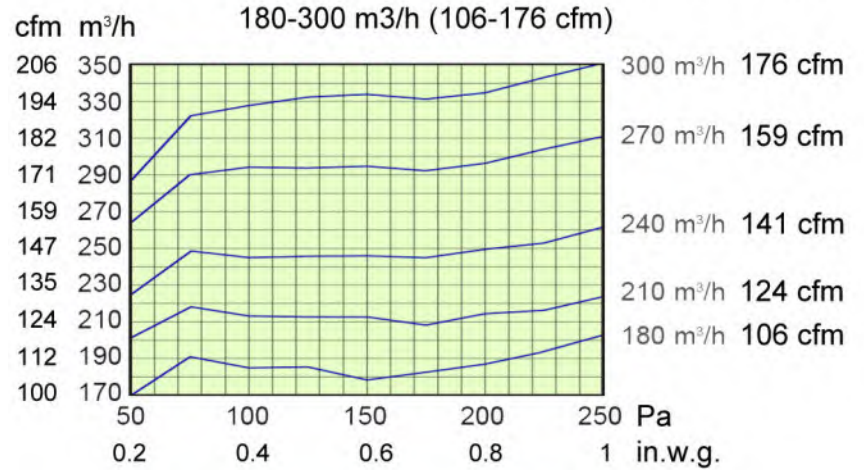
SKP 08 106 (8 in. diameter, up to 106 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	38	44	46	49	51
71	120	39	44	47	49	50
88	150	40	45	49	51	52
106	180	42	47	49	51	53

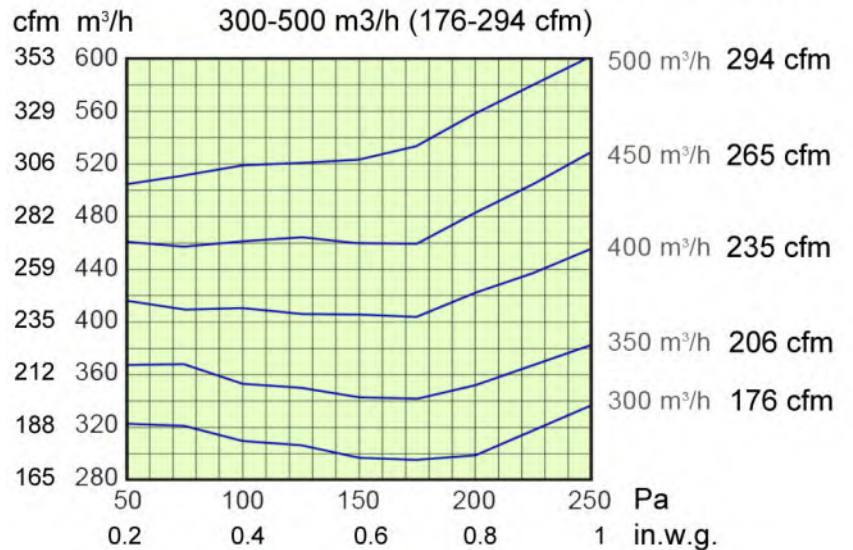
SKP 08 176 (8 in. diameter, up to 176 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	39	45	47	50	53
124	210	40	46	48	49	51
141	240	40	46	49	51	53
159	270	40	47	50	51	53
176	300	42	50	52	53	54

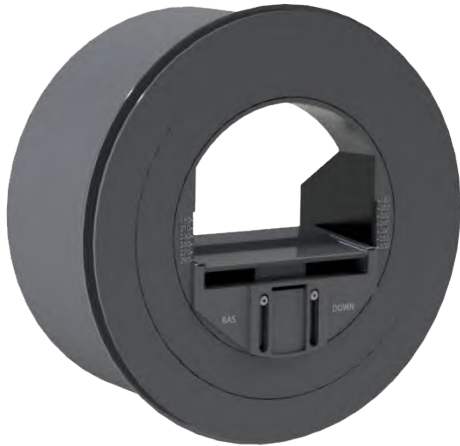
SKP 08 294 (8 in. diameter, up to 294 cfm)



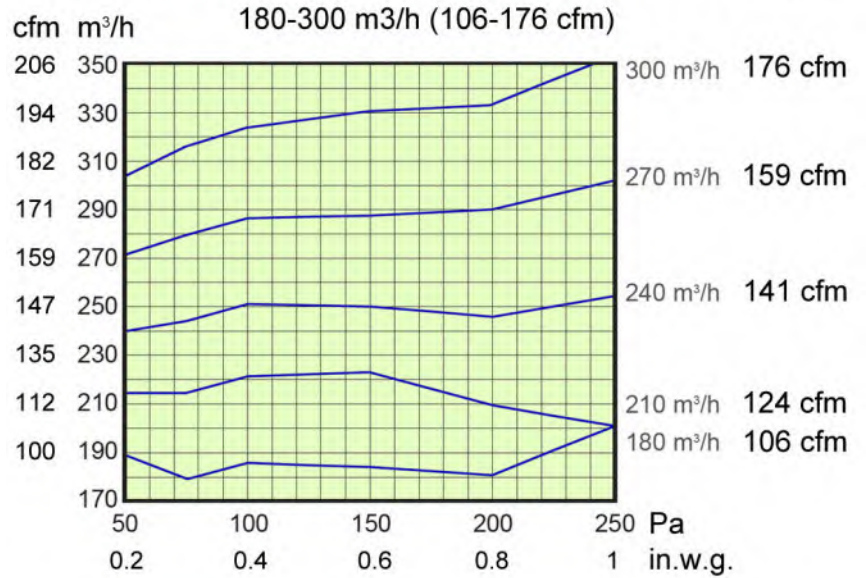
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
176	300	39	44	48	50	52
206	350	41	45	49	51	54
235	400	41	47	50	52	54
265	450	41	47	51	53	55
294	500	42	48	52	54	56

SKP 10" Performance Data



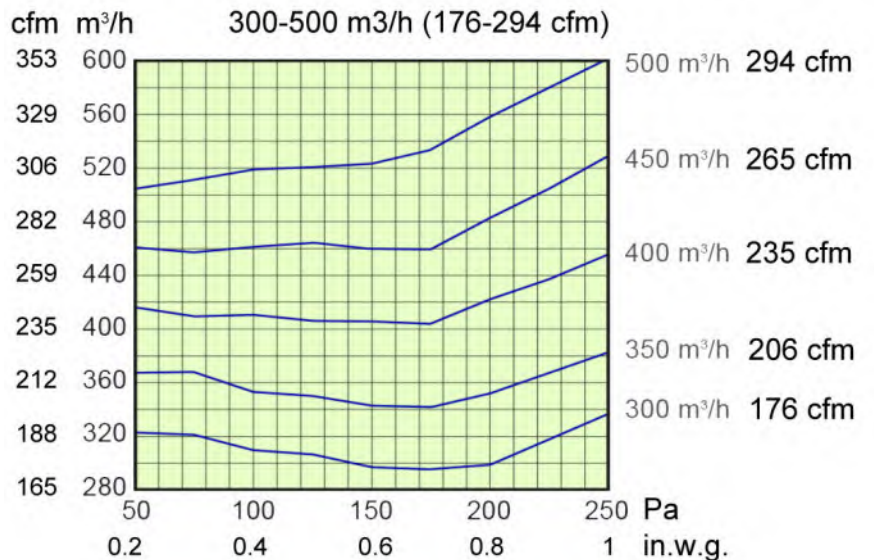
SKP 10 176 (10 in. diameter, up to 176 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	39	45	47	50	53
124	210	40	46	48	49	51
141	240	40	46	49	51	53
159	270	40	47	50	51	53
176	300	42	50	52	53	54

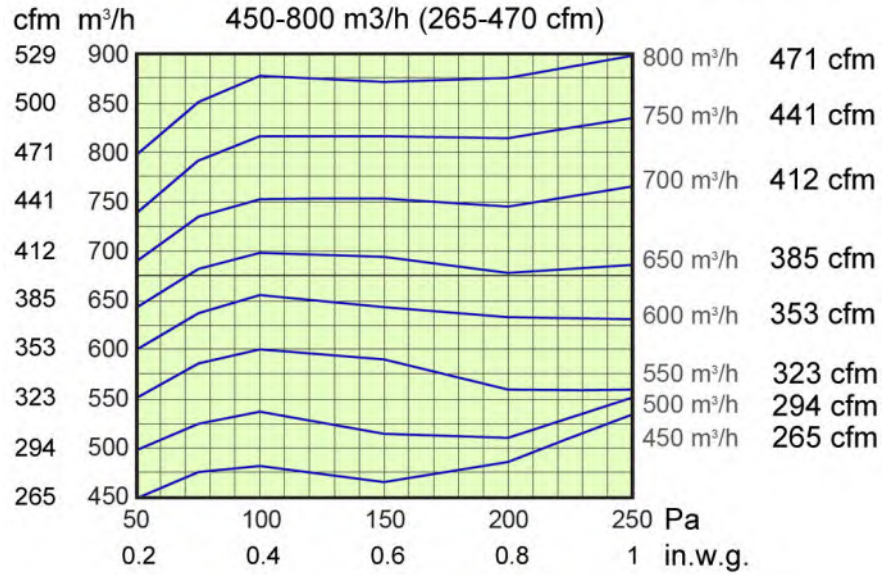
SKP 10 294 (10 in. diameter, up to 294 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
176	300	34	44	48	49	51
206	350	36	45	49	50	52
235	400	37	46	50	52	53
265	450	37	47	52	54	55
294	500	38	48	52	54	56

SKP 10 470 (10 in. diameter, up to 470 cfm)



Acoustic Power Level L_w in dB(A)

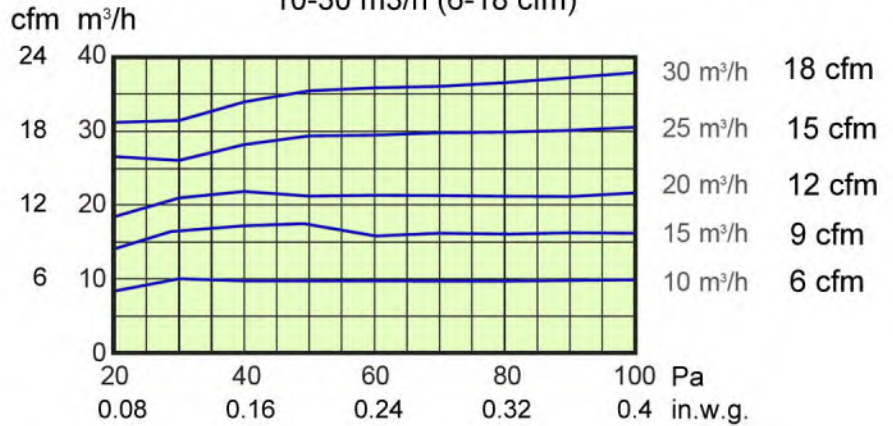
cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
265	450	35	42	47	50	53
294	500	36	44	48	51	56
323	550	44	48	51	54	60
353	600	45	50	52	58	58
385	650	45	50	53	57	58
412	700	46	51	55	56	57
441	750	46	52	55	56	58
471	800	46	54	55	57	59

SKP-LP 3" Performance Data



SKP-LP 03 18 (Low Pressure, 3 in. diameter, up to 18 cfm)

10-30 m³/h (6-18 cfm)

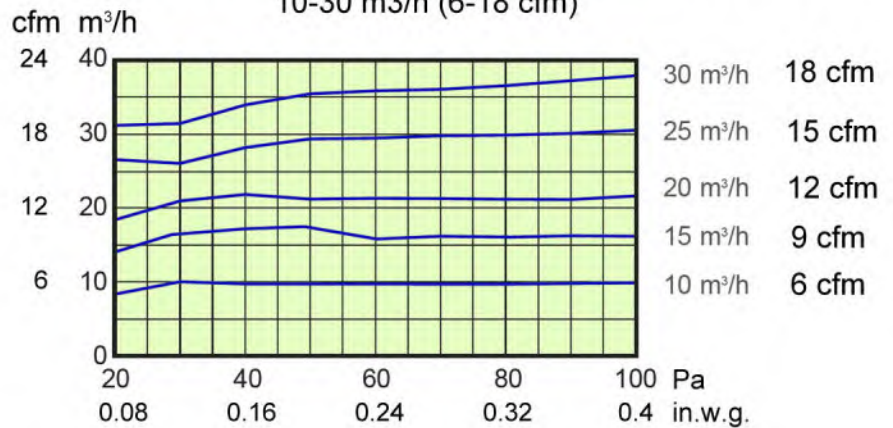


SKP-LP 4" Performance Data



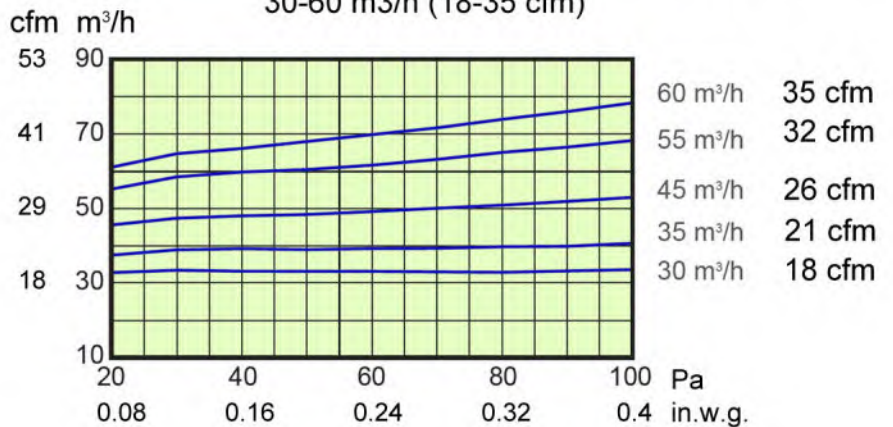
SKP-LP 04 18 (Low Pressure, 4 in. diameter, up to 18 cfm)

10-30 m³/h (6-18 cfm)



SKP-LP 04 35 (Low Pressure, 4 in. diameter, up to 35 cfm)

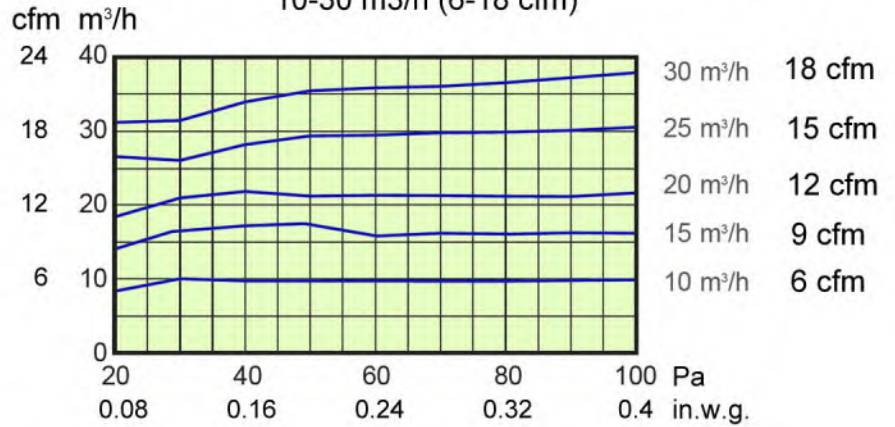
30-60 m³/h (18-35 cfm)



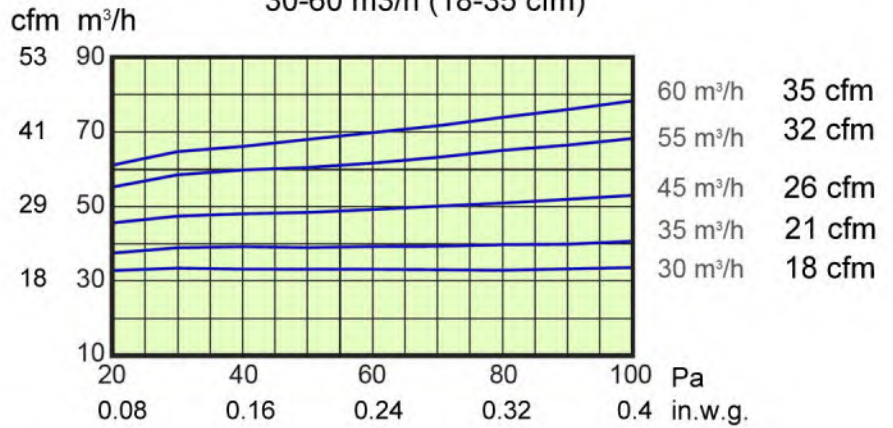
SKP-LP 5" Performance Data



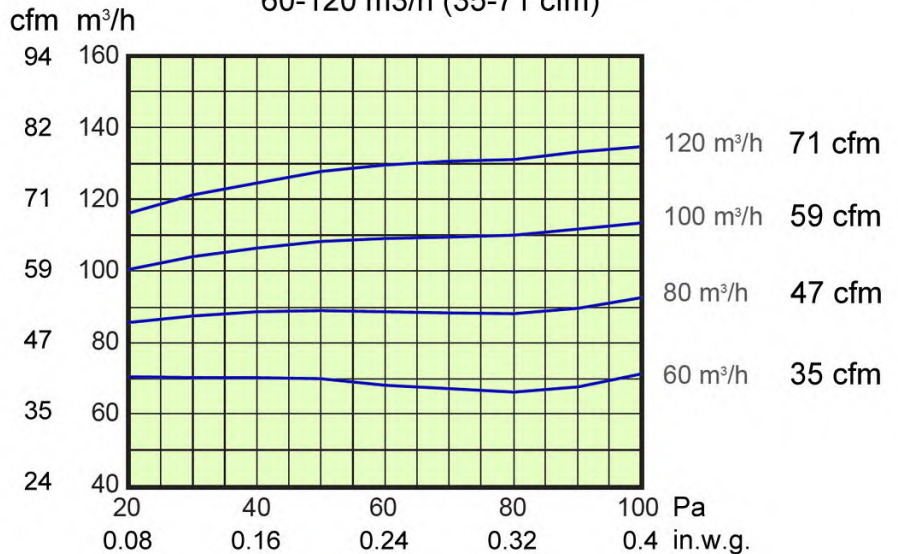
SKP-LP 05 18 (Low Pressure, 5 in. diameter, up to 18 cfm)
10-30 m³/h (6-18 cfm)



SKP-LP 05 35 (Low Pressure, 5 in. diameter, up to 35 cfm)
30-60 m³/h (18-35 cfm)



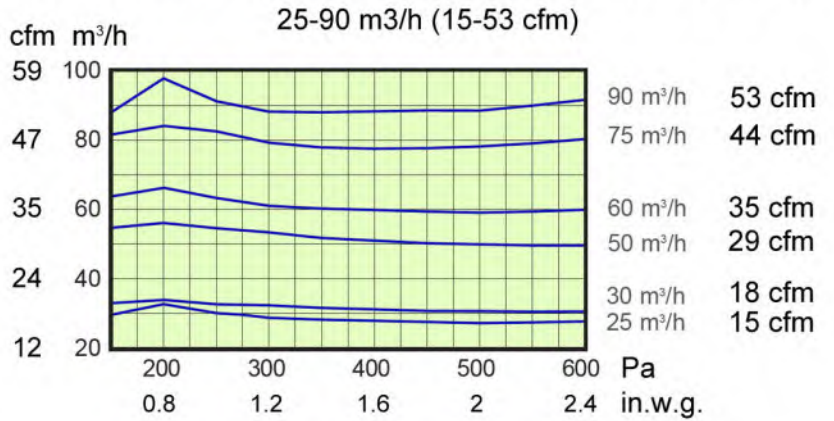
SKP-LP 05 71 (Low Pressure, 5 in. diameter, up to 71 cfm)
60-120 m³/h (35-71 cfm)



SKP-HP 3" Performance Data



SKP-HP 03 53 (High Pressure, 3 in. diameter, up to 53 cfm)



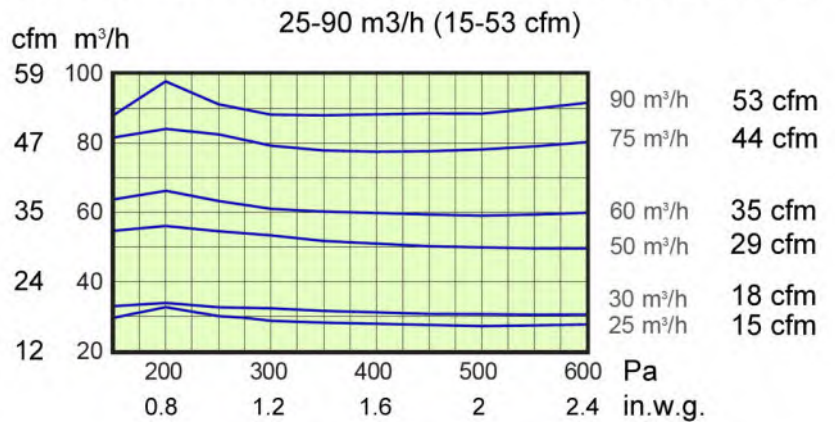
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61

SKP-HP 4" Performance Data



SKP-HP 04 53 (High Pressure, 4 in. diameter, up to 53 cfm)

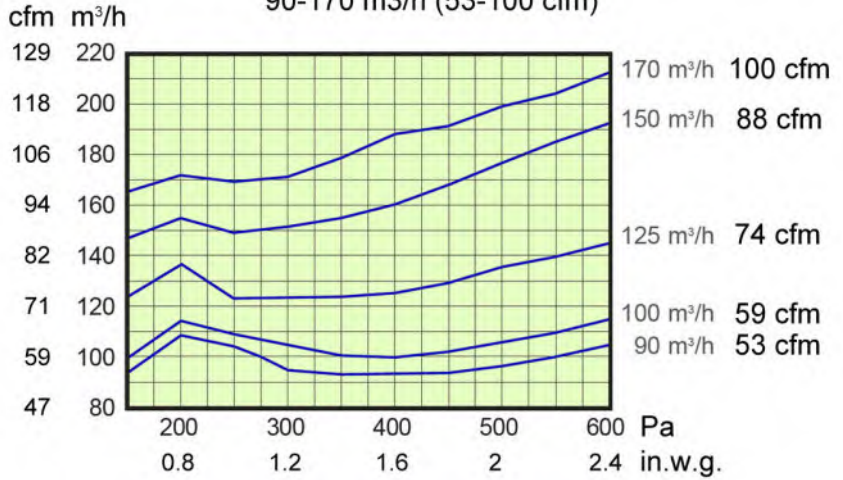


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61



SKP-HP 04 100 (High Pressure, 4 in. diameter, up to 100 cfm)
90-170 m³/h (53-100 cfm)



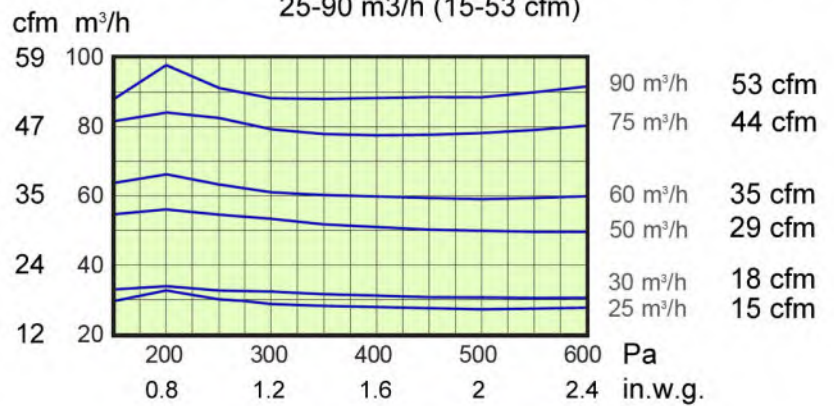
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

SKP-HP 5" Performance Data



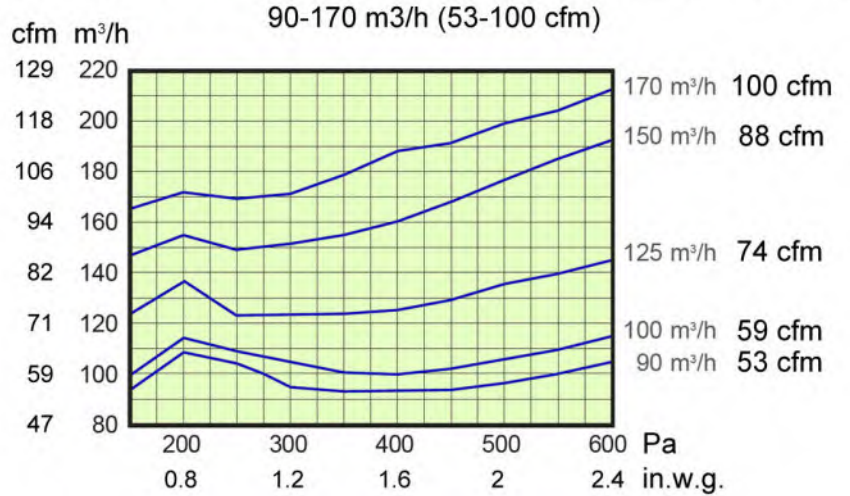
SKP-HP 05 53 (High Pressure, 5 in. diameter, up to 53 cfm)
25-90 m³/h (15-53 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61

Acoustic Power Level Lw in dB(A)

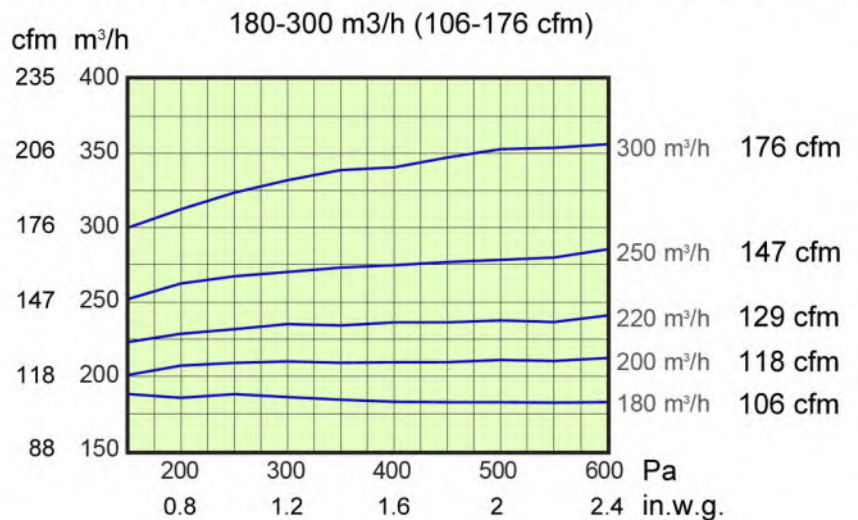
SKP-HP 05 100 (High Pressure, 5 in. diameter, up to 100 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

SKP-HP 05 176 (High Pressure, 5 in. diameter, up to 176 cfm)



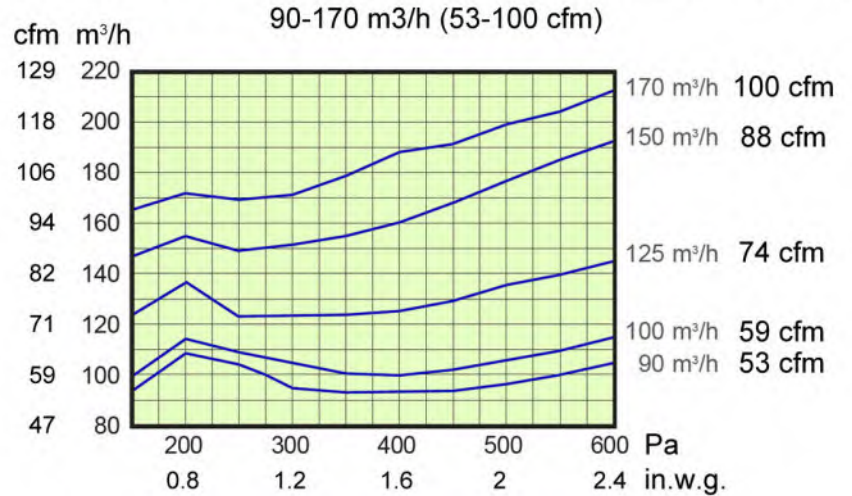
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
129	220	50	56	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

SKP-HP 6" Performance Data



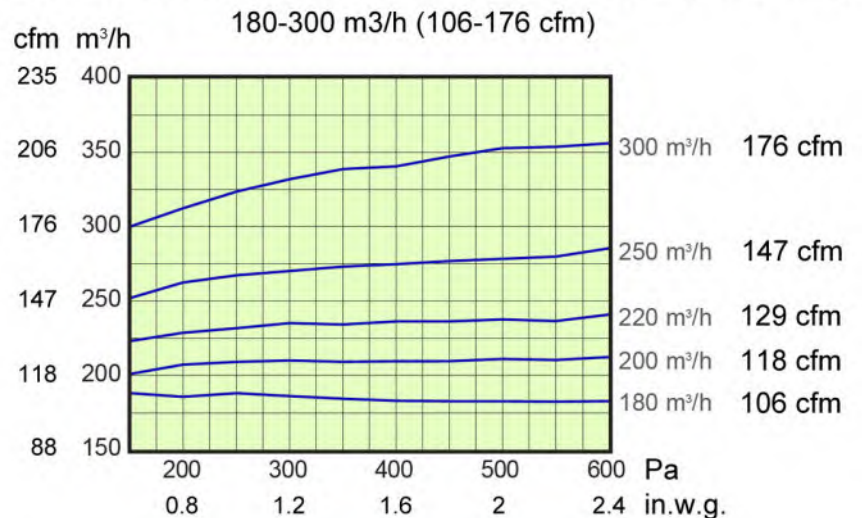
SKP-HP 06 100 (High Pressure, 6 in. diameter, up to 100 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

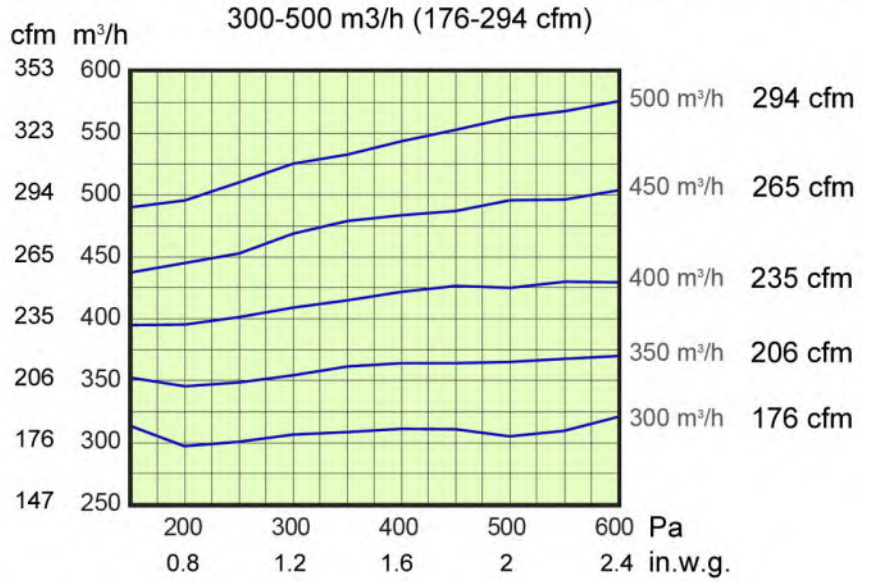
SKP-HP 06 176 (High Pressure, 6 in. diameter, up to 176 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
129	220	50	56	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

SKP-HP 06 294 (High Pressure, 6 in. diameter, up to 294 cfm)



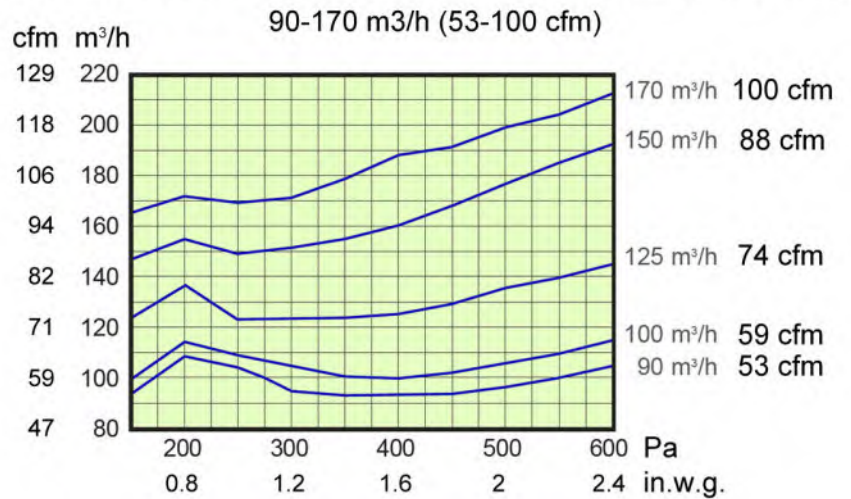
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

SKP-HP 8" Performance Data



SKP-HP 08 100 (High Pressure, 8 in. diameter, up to 100 cfm)

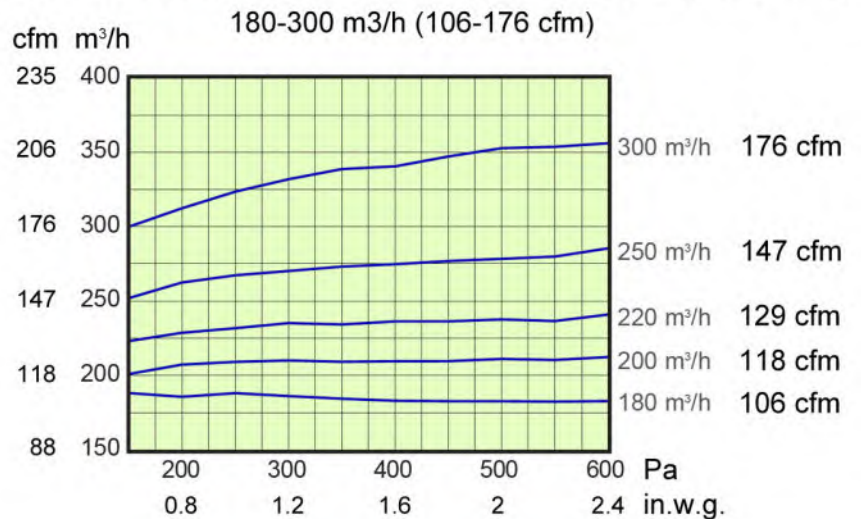


cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)



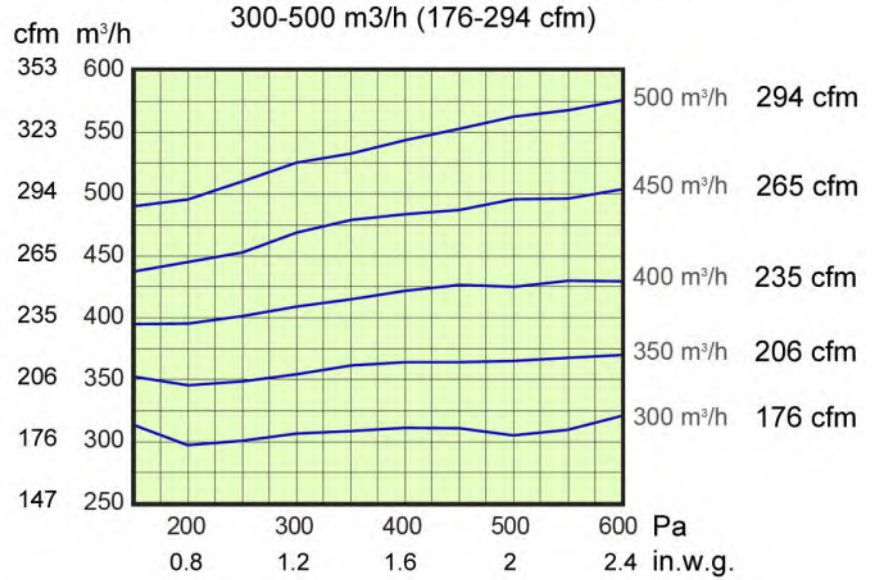
SKP-HP 08 176 (High Pressure, 8 in. diameter, up to 176 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

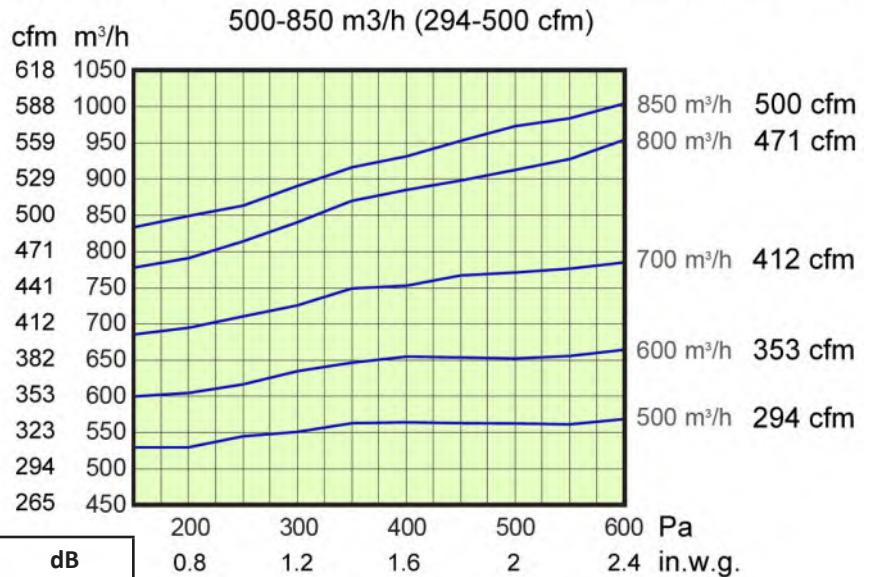
SKP-HP 08 294 (High Pressure, 8 in. diameter, up to 294 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

SKP-HP 08 500 (High Pressure, 8 in. diameter, up to 500 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
294	500	54	58	61	63
353	600	54	57	61	63
412	700	55	59	62	64
471	800	56	61	65	66
500	850	57	62	65	67

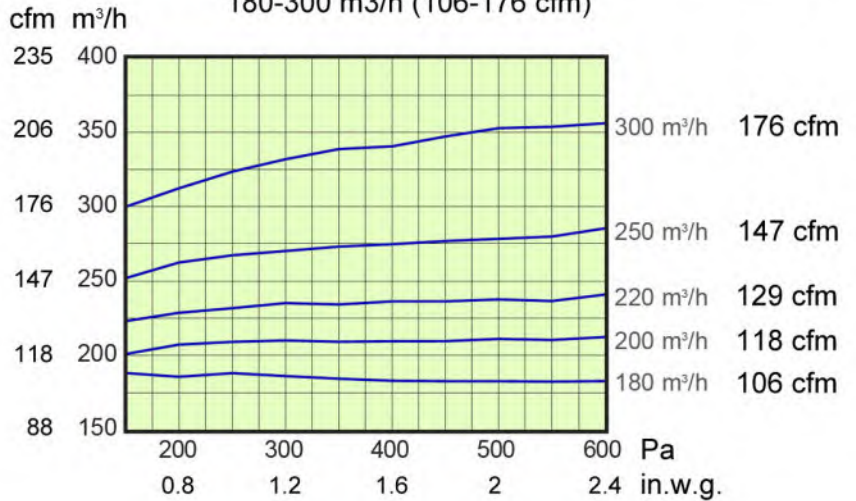
Acoustic Power Level Lw in dB(A)

SKP-HP 10" Performance Data



SKP-HP 10 176 (High Pressure, 10 in. diameter, up to 176

180-300 m3/h (106-176 cfm)

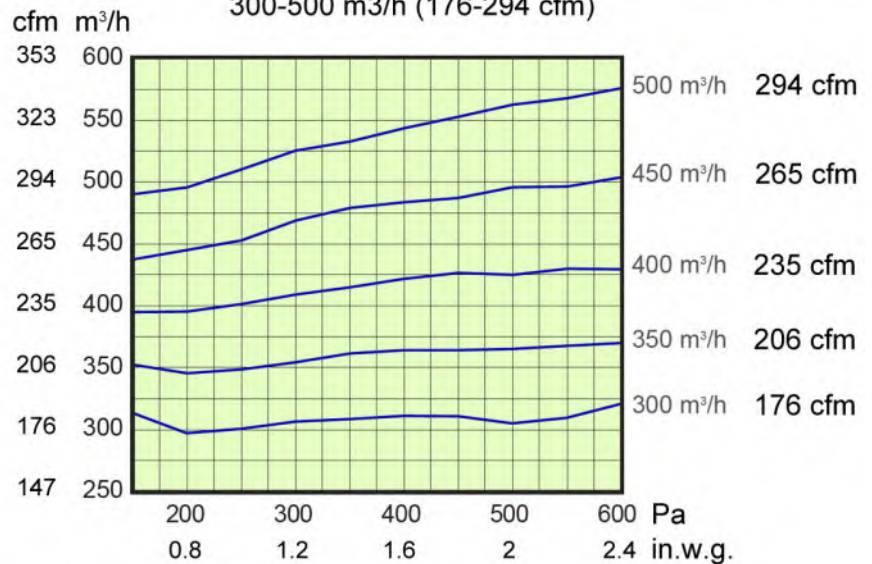


cfm	m3/h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

SKP-HP 10 294 (High Pressure, 10 in. diameter, up to 294

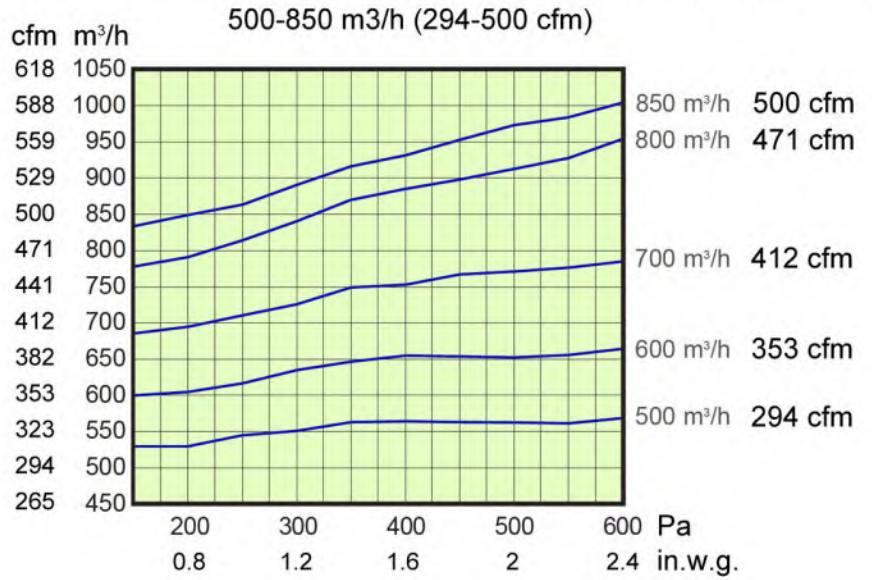
300-500 m3/h (176-294 cfm)



cfm	m3/h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

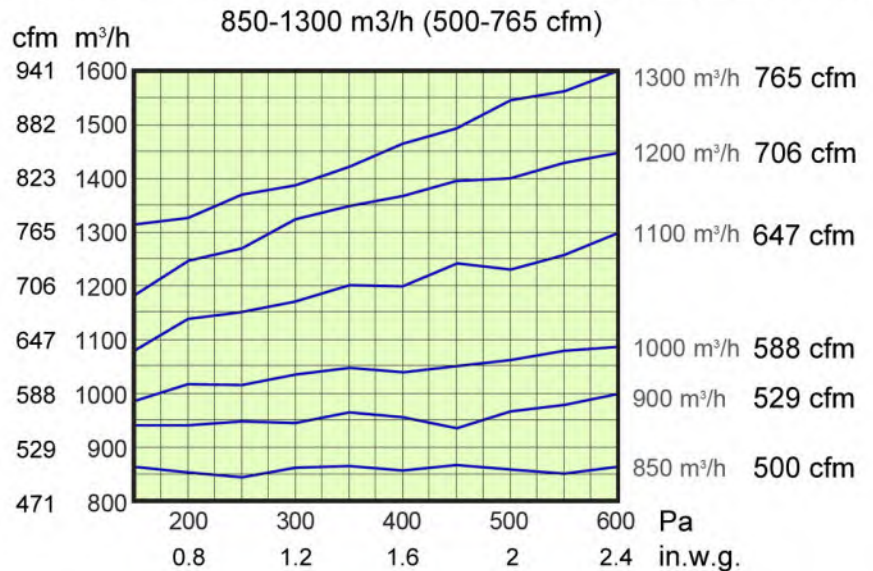
SKP-HP 10 500 (High Pressure, 10 in. diameter, up to 500 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
294	500	54	58	61	63
353	600	54	57	61	63
412	700	55	59	62	64
471	800	56	61	65	66
500	850	57	62	65	67

Acoustic Power Level L_w in dB(A)

SKP-HP 10 765 (High Pressure, 10 in. diameter, up to 765 cfm)



How to Specify SKP

Supply and mounting of SKP Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.2 and 1 in.w.g. (50 Pa and 250 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

How to Specify SKP-LP

Supply and mounting of SKP Low Pressure Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.08 and 0.4 in.w.g. (20 Pa and 100 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

How to Specify SKP-HP

Supply and mounting of SKP High Pressure Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.6 and 2.4 in.w.g. (150 Pa and 600 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

