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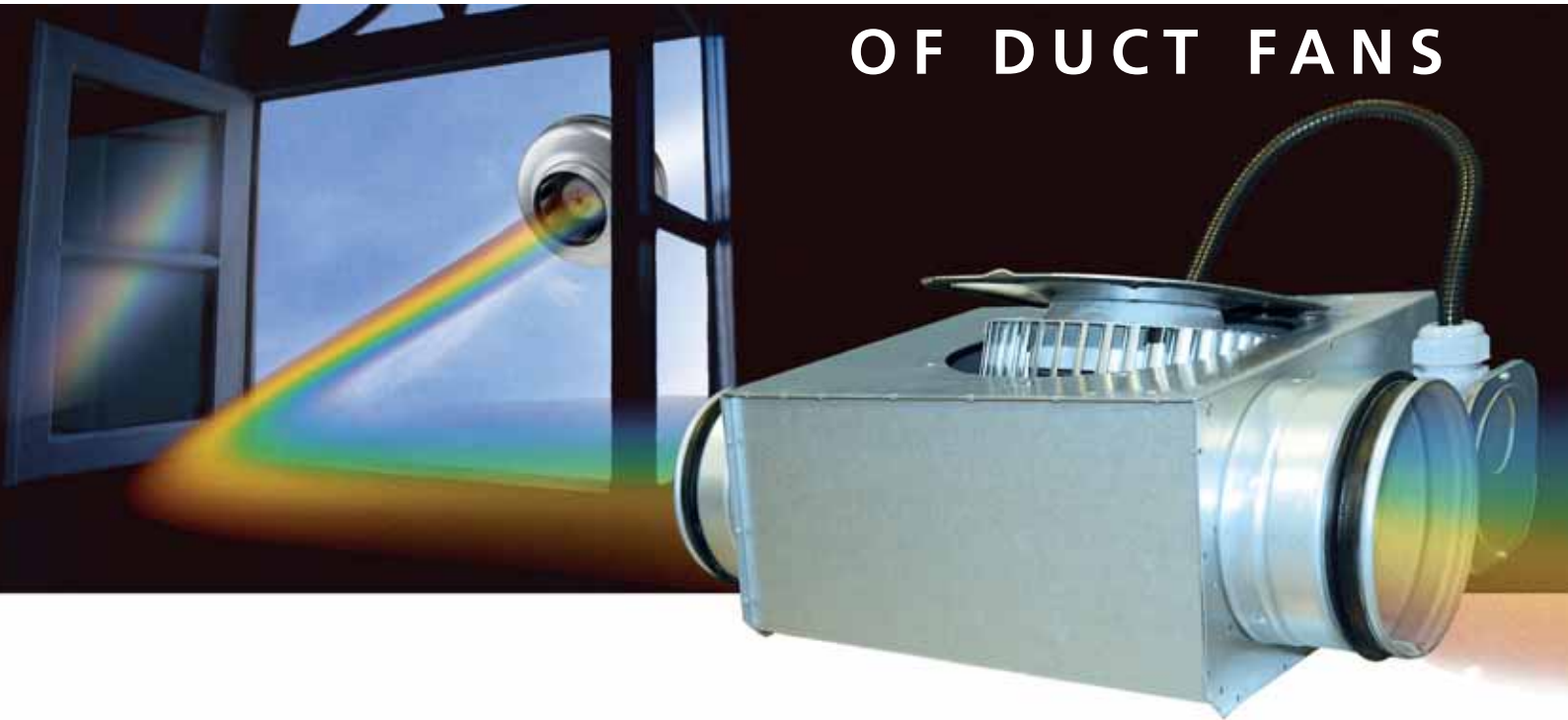
LPK
LOW PROFILE DUCT FAN 3

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THE NEW GENERATION OF DUCT FANS



LPK, low profile duct fan

In the beginning of 2000's AB C.A. Östberg introduced the third generation of duct fans.

'LPK' is a small och practical duct fan. The total height is only a half inch more than the duct dimension. That makes the 'LPK' an important complement in our range of fans.

A PERFECT CHOICE AT LOW BUILT-IN HEIGHTS

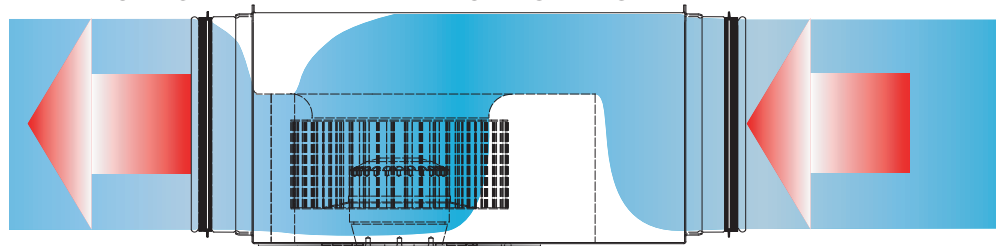
- 'LPK' is a rectangular duct fan with a very low profile for circular ducts.
- 'LPK' has forward curved impeller and straight-through air flow.

- The capacity and efficiency is high and the sound level is low.
- The 'LPK' fan has a well-considered construction with high quality controllable radial fan and a casing of galvanized steel.
- The external rotor motor is provided with approved motor protection.
- Thanks to the swing-out design the 'LPK' is easy to clean.



Thanks to the swing-out design the 'LPK' is really easy to clean.

MINIMUM SIZE WITH MAXIMUM CAPACITY



'LPK' is the perfect choice where a low built-in height is required, for example in high buildings.

LPK 4" A/B

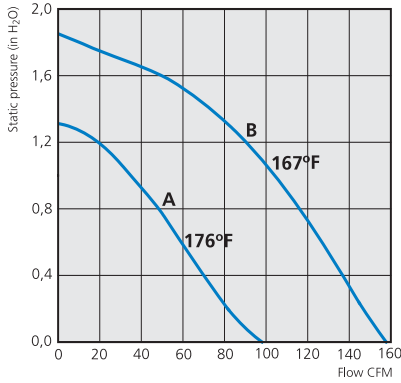
LPK 5" A/B

Low profile duct fan with forward curved impeller and swing-out design. UL file-number: E226987



LPK 4" A/B

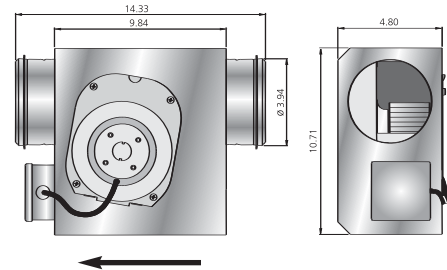
PRESSURE/FLOW



TECHNICAL DATA

LPK	4" A	4" B
Voltage, V/Hz	115/60	115/60
Current, A	0.37	0.90
Input, W	43	102
Speed, rpm	1185	2165
Weight, kg	3.5	3.5
Wiring diagram	4040077	4040076
Capacitor, μ F	10	8
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSION (inch)

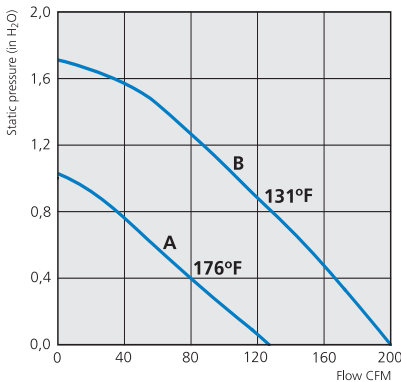


SOUND DATA

LPK 4" A, 64 CFM, 0,5 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	42	49	20	28	39	37	43	47	33	27
Inlet		58	38	50	46	52	52	48	46	42
Outlet		62	48	54	52	54	58	53	50	45
LPK 4" B, 131 CFM, 0,5 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	48	55	23	33	46	45	51	50	42	37
Inlet		67	46	59	57	63	59	56	56	55
Outlet		73	56	62	63	66	66	64	62	61

LPK 5" A/B

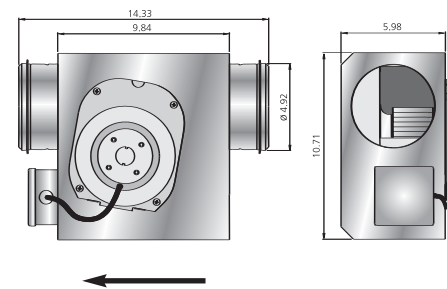
PRESSURE/FLOW



TECHNICAL DATA

LPK	5" A	5" B
Voltage, V/Hz	115/60	115/60
Current, A	0.44	0.94
Input, W	49	107
Speed, rpm	1015	1500
Weight, kg	3.8	3.8
Wiring diagram	4040077	4040076
Capacitor, μ F	14	8
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSION (inch)



SOUND DATA

LPK 5" A, 95 CFM, 0,3 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	40	47	28	34	39	39	43	41	32	25
Inlet		57	41	48	50	53	50	46	47	32
Outlet		62	46	54	54	55	56	50	55	39
LPK 5" B, 144 CFM, 0,7 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	47	54	23	37	45	45	50	48	40	33
Inlet		66	47	56	59	62	57	54	53	49
Outlet		71	53	64	63	65	65	61	60	56

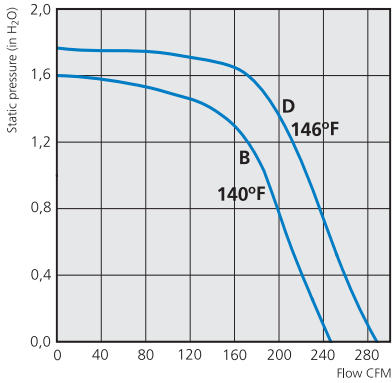


LPK 6" B/D

Low profile duct fan with forward curved impeller and swing-out design. UL file-number: E226987

LPK 6" B/D

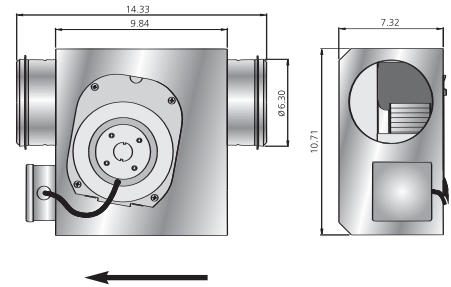
PRESSURE/FLOW



TECHNICAL DATA

LPK	6" B	6" D
Voltage, V/Hz	115/60	115/60
Current, A	1.33	1.63
Input, W	143	186
Speed, rpm	1895	2155
Weight, kg	4.4	4.6
Wiring diagram	4040076	4040076
Capacitor, µF	16	16
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSION (inch)



SOUND DATA

LPK 6" B, 205 CFM, 0,6 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	50	57	29	45	47	48	53	52	46	39
Inlet		71	56	64	67	64	58	56	58	56
Outlet		74	58	63	68	67	67	60	63	61
LPK 6" D, 220 CFM, 1,1 H ₂ O	L _{pA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment	50	57	37	47	48	49	50	50	48	46
Inlet		74	52	64	70	69	61	60	61	61
Outlet		78	61	68	73	73	70	67	66	66

ACCESSORIES

The LPK Series features a wide range of accessories

SAFETY GRILLE, 'BSV'

Type 'BSV' with angled lugs for fitting pipes. Made of pre-galvanized steel mesh.

Available in sizes
 \varnothing 4, 5, 6, 8, 10, 12, 14,
 16, 18, 20, 22, 25, 28
 and 32 inches.



DUCT CLAMP, 'MK'

The fan is connected to the duct using duct clamp 'MK'. 'MK' is made of pre-galvanized steel and is rubber-lined to seal connection and absorb vibrations. The clamp allows the fan to be easily removed for inspection and cleaning.

Available in sizes \varnothing 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 25, 28 and 32 inches.

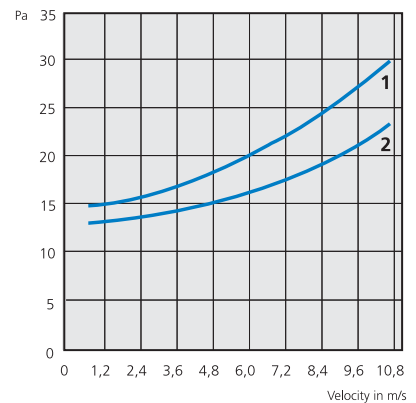
BACK DRAUGHT SHUTTER, 'RSK'

For fitting in circular ducts. Made from pre-galvanized steel with spring-loaded vanes of aluminium.

The 'RSK' back draught shutter can be fitted in any position and is available in the following diameters:
 \varnothing 4, 5, 6, 8, 10 and 12 inches.



PRESSURE DROP



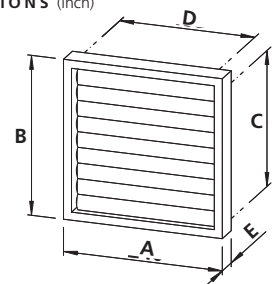
LOUVRE SHUTTERS, 'VK'

Our self-closing louvre shutters have a very low air flow resistance.

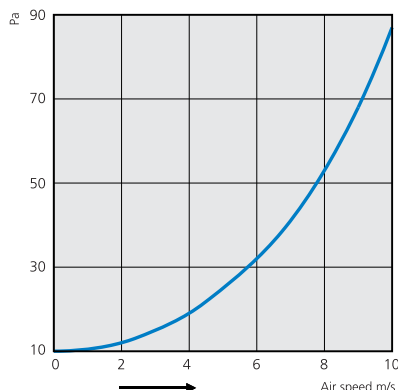
For example; Resistance is 10 Pa at 4 m/s air speed, 30 Pa at 6,5 m/s and 50 Pa at 8,5 m/s.



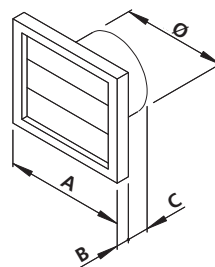
DIMENSIONS (inch)



PRESSURE DROP



DIMENSIONS (inch)



Type	\varnothing	A	B	C
VK 10	3.85	5.51	0.47	1.10
VK 12	4.72-4.92	6.30	0.79	1.18

Type	A	B	C	D	E
VK 16	7.48	7.48	5.15	5.15	0.98
VK 20	9.45	9.45	6.57	7.60	1.10
VK 25	11.42	11.42	8.54	9.57	1.10
VK 30	13.39	13.39	10.51	11.54	1.10
VK 35	15.35	15.35	12.48	13.50	1.10
VK 40	17.32	17.32	14.45	15.47	1.10
VK 45	19.29	19.29	16.42	17.44	1.18
VK 50	21.26	21.26	18.39	19.40	1.18
VK 63	27.00	27.17	24.80	20.47	1.57
VK 71	30.90	30.90	26.97	30.35	1.57
VK 80	34.49	34.84	30.90	33.94	1.57
VK 90	40.39	38.78	34.84	39.84	1.57

SOME ADDITIONAL EXAMPLE OF UL-APPROVED PRODUCTS



CK, CIRCULAR INLINE DUCT FAN



KV AND RS, WALL FANS



TKC, TKS AND TKK ROOF FANS



ÖSTBERG

FOR HEALTHY INDOOR CLIMATE WITH ENERGY EFFICIENT VENTILATION

Ostberg Americas Inc. is the North, South and Central American subsidiary of Östberg Group AB.

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