

10 YEAR LIMITED WARRANTY!

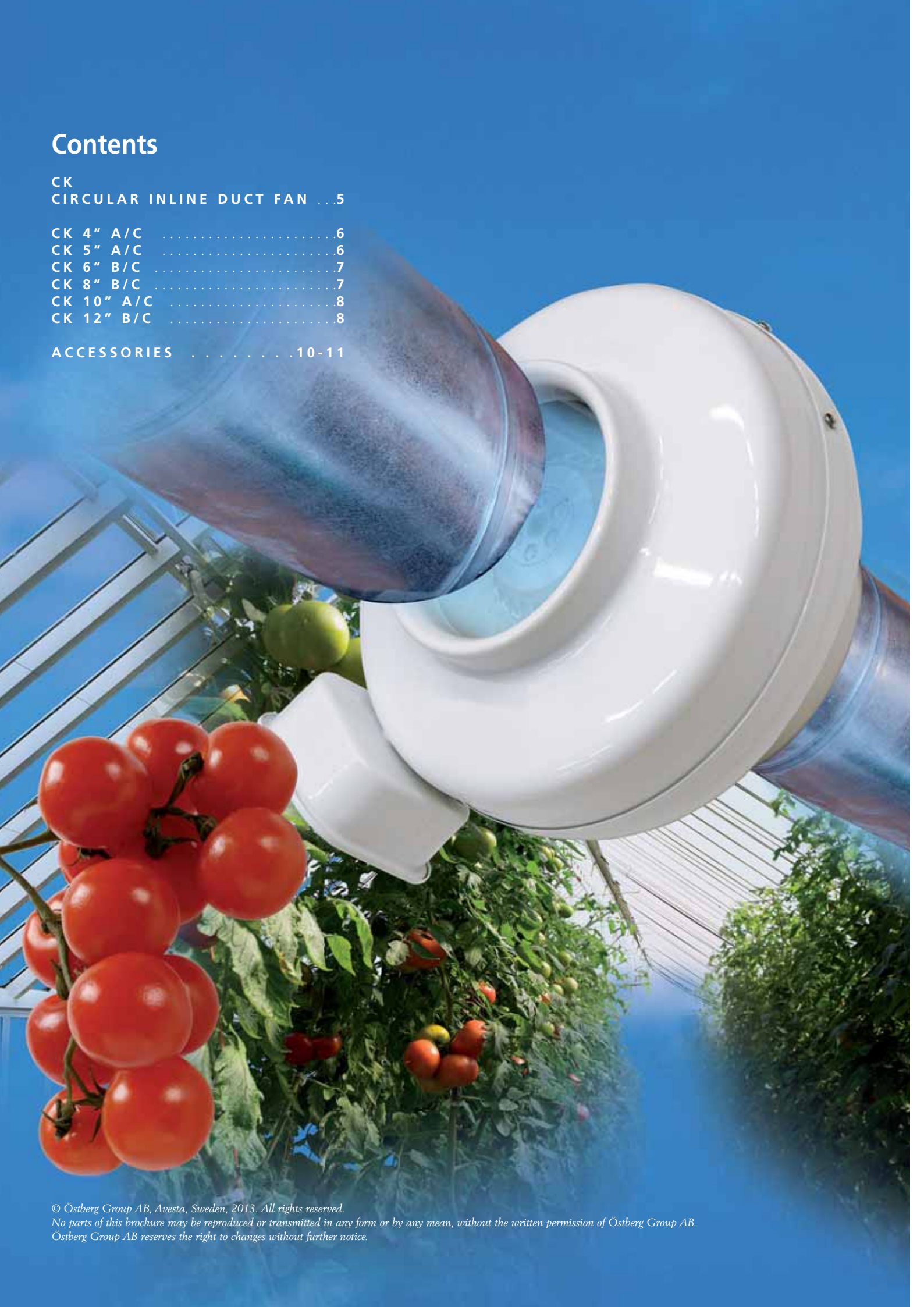


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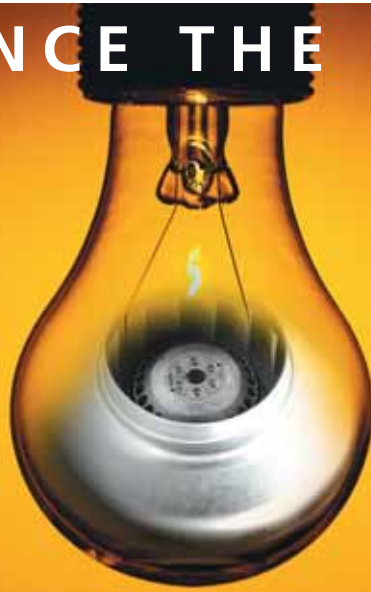
CK CIRCULAR INLINE DUCT FAN ... 5

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ACCESSORIES 10-11



ONE OF THE BEST INVENTIONS SINCE THE LIGHT BULB

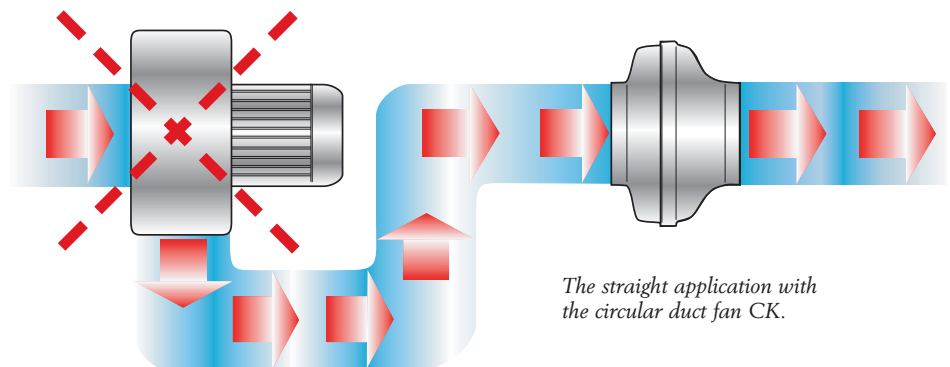


Easy installation with straight ducting

The original idea for the inline duct fans was to combine the benefits of the radial fan (high pressure and low sound levels), with the straight-through airflow of the axial fan.

In 1973 the first inline radial duct fan with an external rotor motor and straight-through airflow was designed. As well as high pressure and low sound levels, the main benefit was the ease of installation.

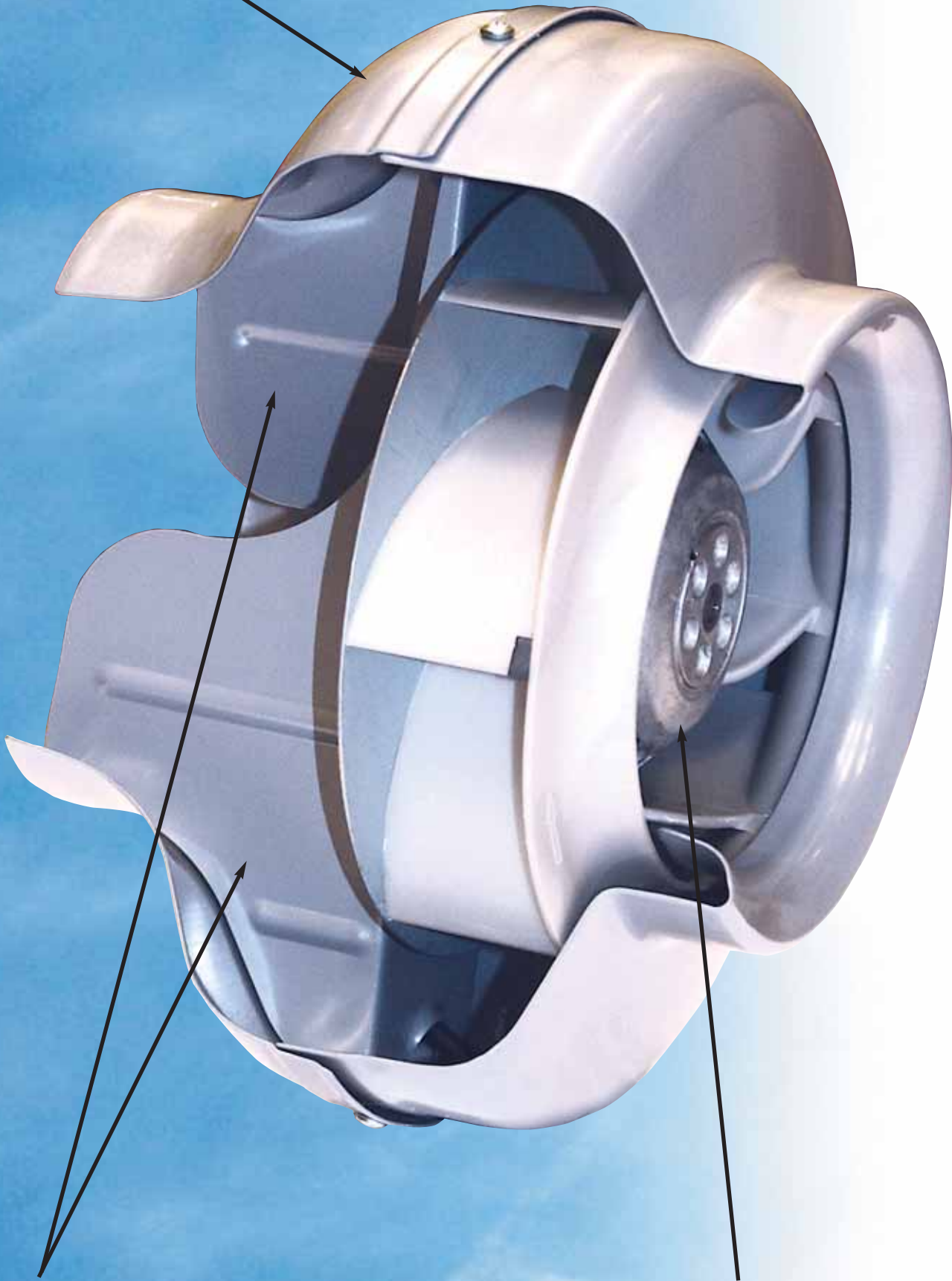
Unlike the conventional radial fans, the inline circular duct fan is compact and does not require complicated ducting for installation.



The straight application with the circular duct fan CK.

*The housing design creates higher air flow
resulting in higher efficiency.*

European Patent 0625642.



*The revolutionary motor bracket with integrated
guide plates that improve the capacity.*

*The external rotor motor with backward curved
impeller blades provides approved motor protection.*

SERIOUS PERFORMANCE PROVEN RELIABILITY



*CK PV fans are UL 705
"Power Ventilators" approved.*

*CK fans are UL 507
"Fans Electric" approved,
equipped with a cord and
are finished with a tough,
baked epoxy coating.*

CK Circular Inline Duct Fan

VERSATILE

- CK Series fans are available both as UL 507 "Fans Electric" or UL 705 "Power Ventilators" approved.
- CK Series fans feature a 10 year limited warranty.
- CK's are quiet, powerful, high capacity, compact fan systems.
- CK's are designed for the most demanding applications.
- The mounting brackets simplify installation.
- CK's can be installed in any position.
- Designed for high static pressure applications, including: carbon filters and long, complicated duct runs.
- Variable fan speeds available using optional speed controllers.
- Several fans may be operated by a single control.

SAFE

- CK's are moisture resistant and approved for use in damp and humid environments.
- Manufactured from heavy gauge galvanized steel.
- All CK's feature automatic thermal overload protection with auto-reset.
- UL Listed for use in the USA and Canada.

10 YEAR LIMITED WARRANTY!



12 MODELS IN 6 DIFFERENT SIZES

CK 4" A/C

CK 5" A/C

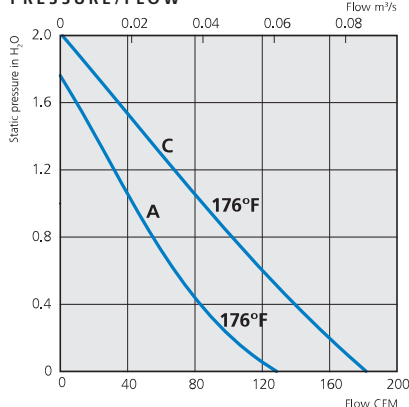
Circular in-line duct fan with backward curved impeller.

CK: UL 507 "Fans Electric" approved. UL file number: E226987.

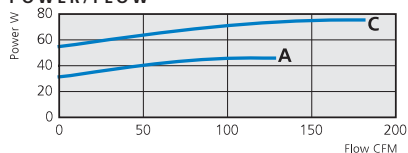


CK 4" A*/C*

PRESSURE/FLOW



POWER/FLOW



ACCESSORIES

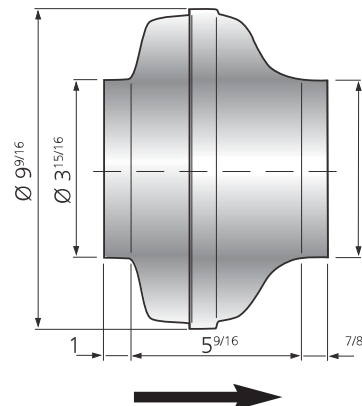
E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

* Not Energy Star rated.

TECHNICAL DATA

CK	4" A	4" C
Voltage, V/Hz	115/60	115/60
Current, A	0.38	0.69
Input, W	44	77
Speed, rpm	1800	2500
Weight, kg	2.9	2.9
Wiring diagram	4040077/4040002	4040076/4040001
Capacitor, μ F	14	8
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)



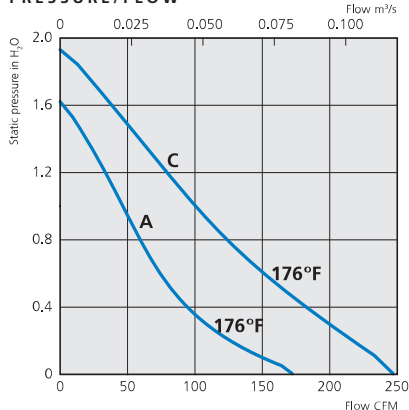
SOUND DATA

CK 4" A, 40 CFM, 0,8 H ₂ O	Sones	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		46	53	29	31	42	38	51	44	46	42
Duct	8.5		67	52	54	64	60	60	57	54	45

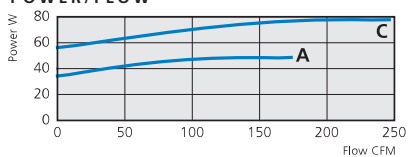
CK 4" C, 100 CFM, 0,7 H ₂ O	Sones	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		49	56	27	32	40	40	54	48	46	42
Duct	10.4		70	56	60	66	63	64	61	57	47

CK 5" A*/C

PRESSURE/FLOW



POWER/FLOW



ACCESSORIES

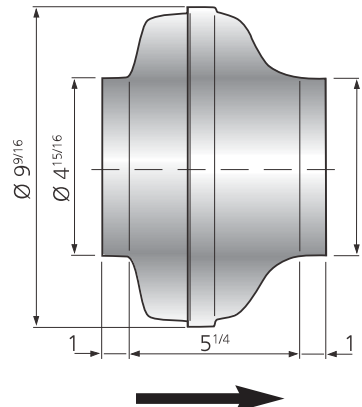
E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

* Not Energy Star rated.

TECHNICAL DATA

CK	5" A	5" C
Voltage, V/Hz	115/60	115/60
Current, A	0.39	0.70
Input, W	44	78
Speed, rpm	1800	2500
Weight, kg	2.9	2.9
Wiring diagram	4040077/4040002	4040076/4040001
Capacitor, μ F	14	8
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)



SOUND DATA

CK 5" A, 40 CFM, 0,8 H ₂ O	Sones	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		47	54	28	31	42	41	49	48	50	45
Duct	8.7		68	54	52	65	63	60	57	51	43

CK 5" C, 130 CFM, 0,6 H ₂ O	Sones	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		49	56	30	33	42	41	54	49	48	43
Duct	10.1		71	57	57	64	65	65	64	56	46



CK PV: UL 705 "Power Ventilators" approved. UL file number: E224370.

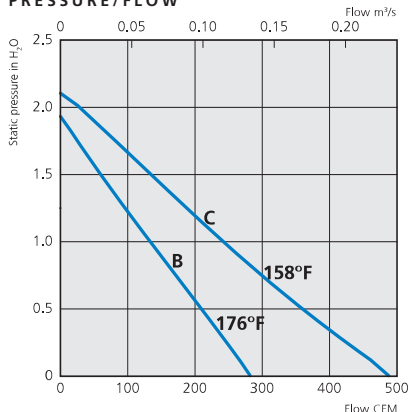
CK: UL 507 "Fans Electric" approved. UL file number: E226987.

CK 6" B/C CK 8" A/B

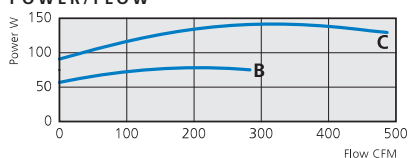
Circular in-line duct fan with backward curved impeller.

CK 6" B/C

PRESSURE/FLOW



POWER/FLOW



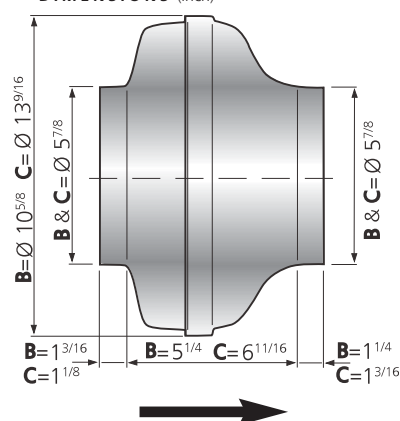
ACCESSORIES

E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

TECHNICAL DATA

CK	6" B	6" C
Voltage, V/Hz	115/60	115/60
Current, A	0.70	1.19
Input, W	77	135
Speed, rpm	2500	2500
Weight, kg	3.2	4.5
Wiring diagram	4040076/4040001	4040076/4040001
Capacitor, μ F	8	10
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)



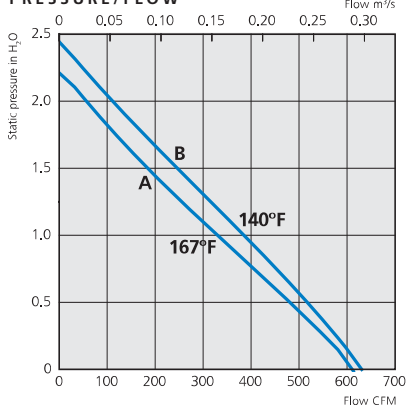
SOUND DATA

CK 6" B, 100 CFM, 1 H ₂ O	Sones	L _{pA}	L _{WA}	tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		47		54	30	38	45	46	47	47	49	41
Duct	9.7			70	49	54	67	62	62	60	58	48

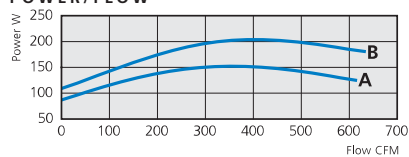
CK 6" C, 330 CFM, 0.7 H ₂ O	Sones	L _{pA}	L _{WA}	tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		50		57	34	39	48	50	51	50	52	45
Duct	12.5			74	51	57	67	71	69	64	65	56

CK 8" A/B

PRESSURE/FLOW



POWER/FLOW



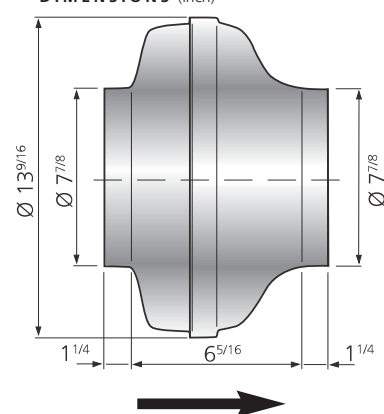
ACCESSORIES

E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

TECHNICAL DATA

CK	8" A	8" B
Voltage, V/Hz	115/60	115/60
Current, A	1.26	1.85
Input, W	144	210
Speed, rpm	2500	2500
Weight, kg	4.6	5.1
Wiring diagram	4040076/4040001	4040076/4040001
Capacitor, μ F	10	16
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)



SOUND DATA

CK 8" A, 300 CFM, 0.9 H ₂ O	Sones	L _{pA}	L _{WA}	tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		50		57	32	42	45	50	54	50	48	43
Duct	12.2			74	47	57	70	70	68	64	61	53

CK 8" B, 310 CFM, 1.1 H ₂ O	Sones	L _{pA}	L _{WA}	tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		51		58	32	43	48	51	53	51	51	47
Duct	14.5			76	53	62	71	72	70	65	65	62

CK 10" A/C

CK 12" B/C

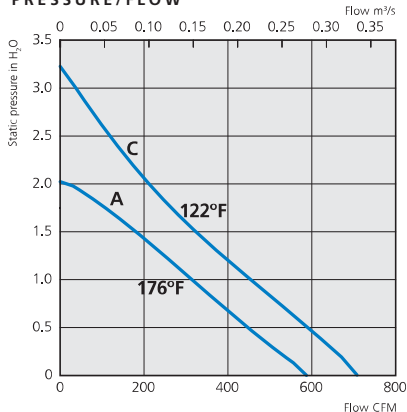
Circular in-line duct fan with backward curved impeller.

CK: UL 507 "Fans Electric" approved. UL file number: E226987.

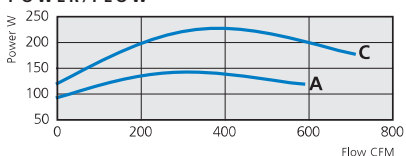


CK 10" A/C

PRESSURE/FLOW



POWER/FLOW



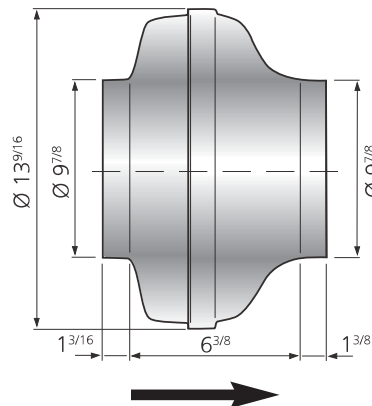
ACCESSORIES

E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

TECHNICAL DATA

CK	10" A	10" C
Voltage, V/Hz	115/60	115/60
Current, A	1.24	2.00
Input, W	142	228
Speed, rpm	2500	2500
Weight, kg	4.6	5.3
Wiring diagram	4040076/4040001	4040076/4040001
Capacitor, μ F	10	16
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)



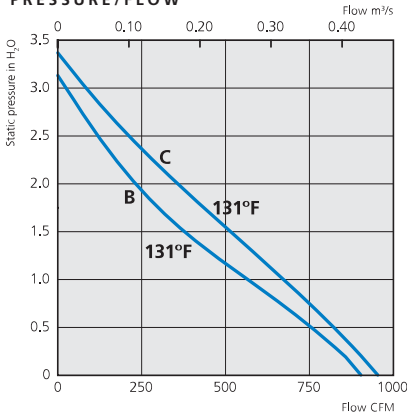
SOUND DATA

CK 10" A, 360 CFM, 0,7 H ₂ O	Sones	L _{pA}	L _{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		50	57	31	38	44	49	52	51	49	44
Duct	12.0		74	49	58	68	69	69	67	62	54

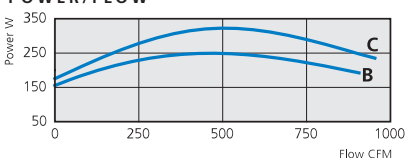
CK 10" C, 350 CFM, 1,2 H ₂ O	Sones	L _{pA}	L _{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		52	59	36	49	50	54	51	50	52	47
Duct	14.4		76	55	63	69	71	69	68	65	62

CK 12" B/C

PRESSURE/FLOW



POWER/FLOW



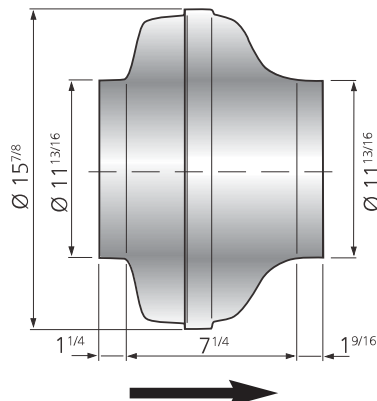
ACCESSORIES

E.g. speed controllers, safety grills, mounting brackets, back draft dampers, duct clamps. See page 10.

TECHNICAL DATA

CK	12" B	12" C
Voltage, V/Hz	115/60	115/60
Current, A	2.02	2.65
Input, W	229	301
Speed, rpm	2500	2500
Weight, kg	6.1	6.5
Wiring diagram	4040076/4040001	4040076/4040001
Capacitor, μ F	16	30
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (inch)

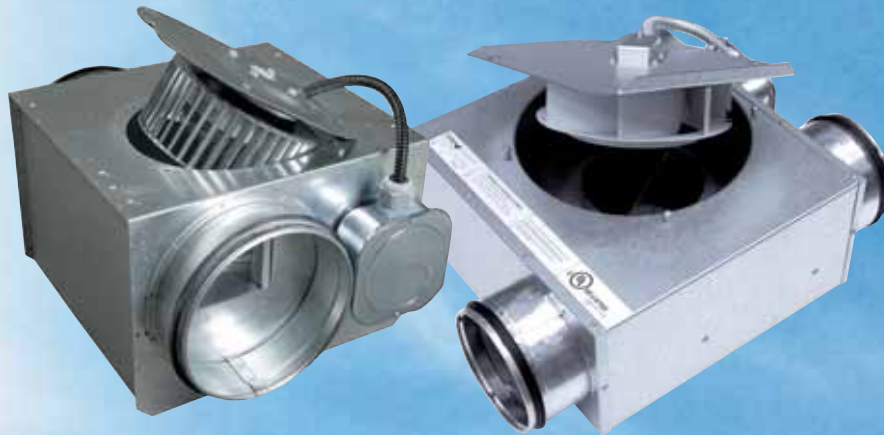


SOUND DATA

CK 12" B, 260 CFM, 1,75 H ₂ O	Sones	L _{pA}	L _{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		51	58	32	42	47	53	52	52	51	47
Duct	14.7		75	54	67	68	67	68	69	66	60

CK 12" C, 600 CFM, 1,15 H ₂ O	Sones	L _{pA}	L _{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment		53	60	39	32	39	52	55	57	51	45
Duct	18.8		79	55	57	65	70	71	77	71	71

SOME ADDITIONAL EXAMPLE OF UL-APPROVED PRODUCTS



LPK AND LPKB, LOW PROFILE DUCT FANS



KV AND RS, WALL FANS



TKC, TKS AND TKK ROOF FANS

ACCESSORIES

The CK Series features a wide range of accessories

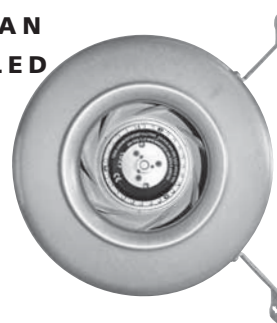
MOUNTING BRACKET-KIT, 'MB'

Mounting bracket kit for easy installation of the 'CK'. The brackets can be mounted anywhere around the fan joint.

Brackets fit all sizes and models of the 'CK'.



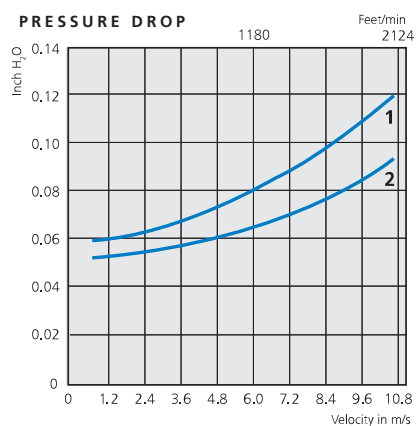
**THE 'CK' CAN
BE INSTALLED
IN ANY
POSITION**



BACK DRAFT DAMPER, '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 diametres: Ø 4, 5, 6, 8, 10 & 12 inches.



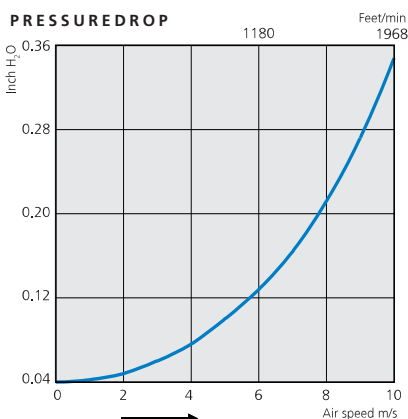
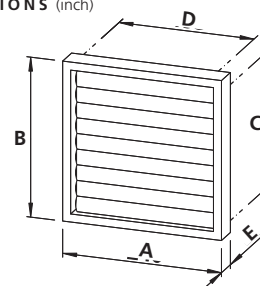
LOUVER SHUTTERS, 'VK'

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

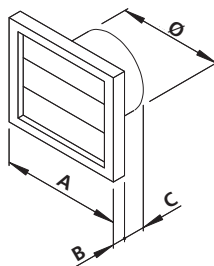
For example; Resistance is 0.04 inch water at 786 feet/min or 0.12 inch water at 1278 feet/min.



DIMENSIONS (inch)



DIMENSIONS (inch)

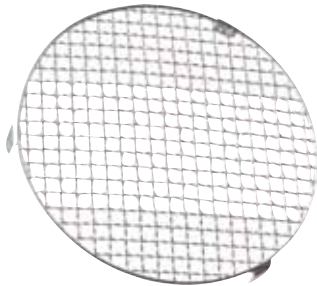


Type	Ø	A	B	C
VK 10	3 ^{55/64}	5 ^{33/64}	0 ^{19/32}	1 ^{7/64}
VK 12	4 ^{23/32} 4 ^{59/64}	6 ^{19/64}	0 ^{25/32}	1 ^{3/16}

Type	A	B	C	D	E
VK 16	7 ^{31/64}	7 ^{31/64}	5 ^{5/32}	5 ^{5/32}	0 ^{63/64}
VK 20	9 ^{29/64}	9 ^{29/64}	6 ^{37/64}	7 ^{19/32}	1 ^{7/64}
VK 25	11 ^{27/64}	11 ^{27/64}	8 ^{35/64}	9 ^{9/16}	1 ^{7/64}
VK 30	13 ^{25/64}	13 ^{25/64}	10 ^{33/64}	11 ^{13/32}	1 ^{7/64}
VK 35	15 ^{23/64}	15 ^{23/64}	12 ^{31/64}	13 ^{1/2}	1 ^{7/64}
VK 40	17 ^{21/64}	17 ^{21/64}	14 ^{29/64}	15 ^{15/32}	1 ^{7/64}
VK 45	19 ^{19/64}	19 ^{19/64}	16 ^{27/64}	17 ^{3/16}	1 ^{3/16}
VK 50	21 ^{17/64}	21 ^{17/64}	18 ^{25/64}	19 ^{13/32}	1 ^{3/16}
VK 63	27 ^{1/64}	27 ^{1/64}	24 ^{51/64}	20 ^{15/32}	1 ^{37/64}
VK 71	30 ^{29/32}	30 ^{29/32}	26 ^{31/32}	30 ^{23/64}	1 ^{37/64}
VK 80	34 ^{31/64}	34 ^{27/32}	30 ^{29/32}	33 ^{51/64}	1 ^{37/64}
VK 90	40 ^{5/64}	38 ^{25/32}	34 ^{27/32}	39 ^{23/32}	1 ^{37/64}

ACCESSORIES

The CK Series features a wide range of accessories



SAFETY GRILL, 'BSV'

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

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



VARIABLE SPEED AC MOTOR CONTROLS, 'KBWC'

The KBWC is a Solid State AC Motor Speed Fan Control. It is designed for mounting in a 2" X 4" electrical wall box. It operates from 115 VAC, 50/60 Hz.

The KBWC provides variable speed motor control for Shaded Pole, Permanent Split Capacitor and Universal (AC/DC) motors.

The variable speed motor control contains an on/off line switch, a high

gain RFI noise suppression filter, a minimum speed trimpot and a flame retardant ABS enclosure.

The "K" suffix indicates mounting kit that includes individual packaging with dial plate, knob, mounting screws, wire connectors and instructions.

Available with a maximum rating of 5.0 and 8.0 Amps at 104°F.



ÖSTBERG

**FOR HEALTHY INDOOR CLIMATE
WITH ENERGY EFFICIENT VENTILATION**

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

Östberg is one of the leading producers of centrifugal inline duct fans in the world.

Our mission is to provide the best quality and widest range of ventilation products in the industry today, at competitive prices.



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