



Inline centrifugal fans CK Series

APPLICATION

Circular Inline fans are extensively used for supply and exhaust ventilation systems of commercial, office and other premises. The CK fan can cope with high pressure and long duct runs. These fans are compatible with Ø100 up to 315 mm round air ducts.

DESIGN

- Fan & motor assembly encased in pre-galvanized sheet steel housing.
- The fans are equipped with external terminal box.
- Fan speed can be controlled by voltage/frequency variation

MOTOR

- Single-phase asynchronous AC external rotor motor with a centrifugal impeller and backward curved blades.
- Equipped with Maintenance-free ball bearings used with

motors and designed for at least 40 000 hours operation

- Integrated thermal protection with automatic restart
- Dynamically balanced impeller.
- Motor protection rating IP 44

SPEED CONTROL

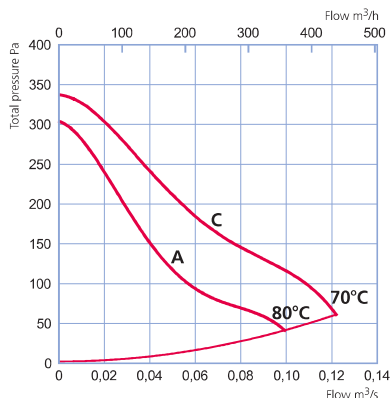
- Smooth speed control with an external thyristor controller or step speed control with an external auto transformer (both available upon separate order).

MOUNTING

- Due to compact design the fan is the ideal solution for mounting in limited spaces.
- Any mounting position (horizontal / vertical).
- Wall or ceiling mounting with fixing brackets supplied as a standard
- Flexible air ducts are fixed on fan spigots with clamps.

CK 125 A/C

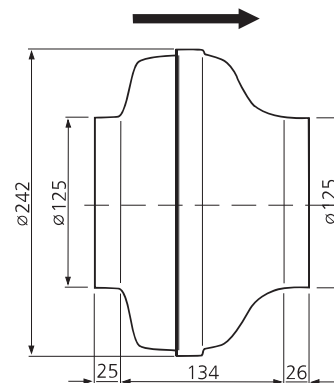
PRESSURE / FLOW



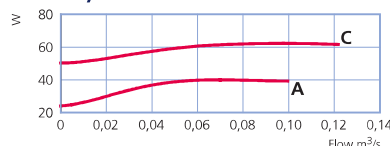
TECHNICAL DATA

CK	125A	125C
Voltage, V	230/50	230/50
Current	0.18	0.27
Input,	40	62
Speed, rpm	1640	2480
Weight, kg	2,9	2,9
Wiring diagram	4040002	4040001
Capacitor, μ	3	2
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (MM)



INPUT/FLOW



ACCESSORIES

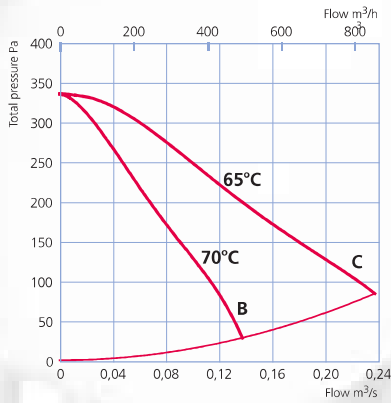
Duct clamp, mounting bracket, safety grille, thermostat, louvre & back draught shutter, transformer controllers

SOUND DATA

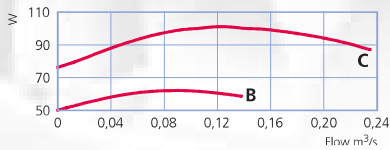
CK 125 A, 40 l/s 130 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	36	43	35	20	35	34	38	38	36	30
Inlet		67	44	51	66	60	56	52	47	39
CK 125 C, 80 l/s 145 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	42	49	36	25	39	39	44	43	45	36
Inlet		70	49	55	64	67	64	60	55	48

CK 160 B/C

PRESSURE / FLOW



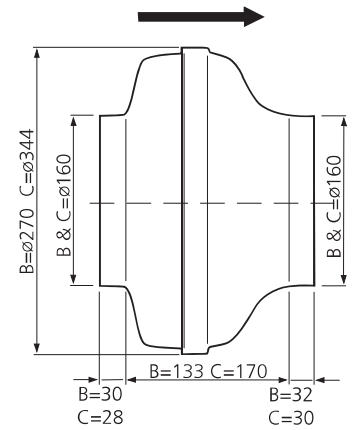
INPUT/FLOW



TECHNICAL DATA

CK	160 B	160 C
Voltage, V/Hz	230/50	230/50
Current, A	0,27	0,44
Input, W	62	101
Speed, rpm	2540	2480
Weight, kg	3,1	4,3
Wiring diagram	4040001	4040001
Capacitor, μ F	2	3
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (MM)



ACCESSORIES

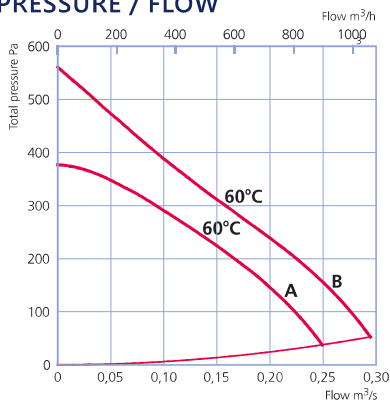
Duct clamp, mounting bracket, safety grille, thermostat,
louvre & back draught shutter, transformer controllers

SOUND DATA

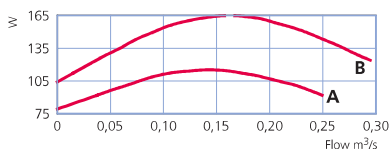
CK 160 B, 70 l/s 195 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	42	49	35	24	39	40	45	44	44	32
Inlet		69	48	54	64	65	63	58	53	48
CK 160 C, 160 l/s 190 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	49	56	35	34	42	49	54	47	48	35
Inlet		73	52	60	64	68	69	64	64	54

CK 200 A/B

PRESSURE / FLOW



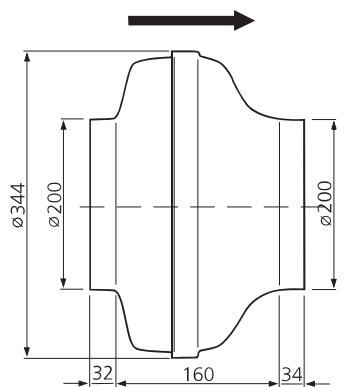
INPUT/FLOW



TECHNICAL DATA

CK	200 A	200 B
Voltage, V/Hz	230/50	230/50
Current, A	0,51	0,71
Input, W	115	165
Speed, rpm	2580	2500
Weight, kg	4,6	5,1
Wiring diagram	4040001	4040001
Capacitor, μ F	4	4
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (MM)



ACCESSORIES

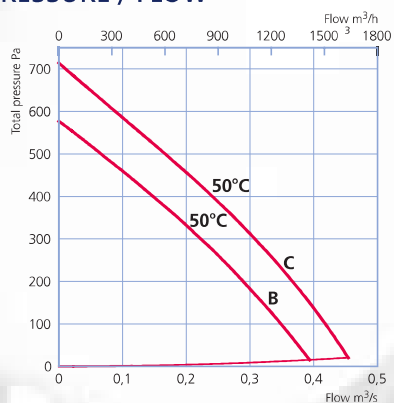
Duct clamp, mounting bracket, safety grille, thermostat,
louvre & back draught shutter, transformer controllers

SOUND DATA

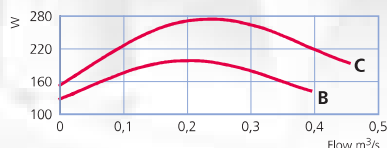
CK 200 A, 190 l/s 190 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	47	54	34	31	42	46	50	47	48	34
Inlet		72	52	60	64	67	66	64	65	55
CK 200 B, 160 l/s 300 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	48	55	35	30	40	48	52	48	49	41
Inlet		73	52	62	66	67	66	65	64	58

CK 315 B/C

PRESSURE / FLOW



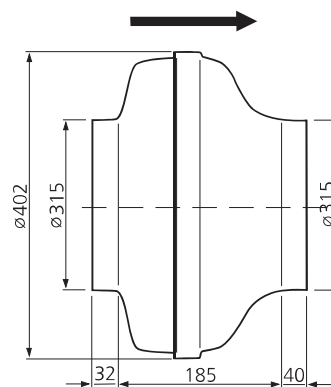
INPUT/FLOW



TECHNICAL DATA

CK	315 B	315 C
Voltage, V/Hz	230/50	230/50
Current, A	0,84	1,19
Input, W	190	274
Speed, rpm	2465	2500
Weight, kg	6,1	6,5
Wiring diagram	4040001	4040001
Capacitor, μ F	5	8
Insulation class, motor	F	F
Motor protection	IP 44	IP 44

DIMENSIONS (MM)



ACCESSORIES

Duct clamp, mounting bracket, safety grille, thermostat,
louvre & back draught shutter, transformer controllers

SOUND DATA

CK 315 B, 220 l/s 300 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	47	54	28	35	43	48	49	50	45	41
Inlet		74	54	56	61	65	65	70	67	65
CK 315 C, 180 l/s 425 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
Environment	50	57	30	35	44	51	51	53	50	43
Inlet		75	58	60	67	66	66	72	68	66