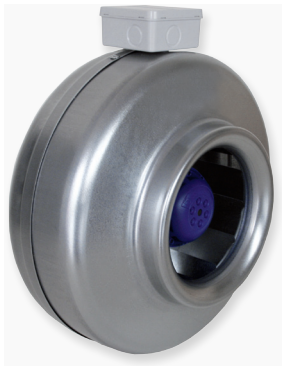


VKAP 3.0



NEW!



Circular duct fans

Ventilateurs pour gaines circulaires

Rohrventilatoren

Runde kanalventilatorer



Circular duct fans are used for air supply or extract in ventilation and air conditioning systems. These fans are mounted into a system of round air ducts and can be installed in any position. Not suitable for polluted air, aggressive and explosive gases.

Impeller with backward curved blades.

Motor: external rotor, motor protection with built-in thermal-contact with manual reset, maintenance-free ball bearings.

The casing is manufactured from galvanised sheet steel and folded, which ensures high air casing tightness.

All VKAP 3.0 range comply with ERP 2015.

Mounting bracket LAV is included.



Rohrventilatoren für Luftzufuhr oder Extrakt in Lüftungs-und Klimaanlage eingesetzt. Sind in ein System von Luftkanälen runden montiert. Kann in jeder Position installiert werden. Nicht geeignet für verschmutzte Luft, aggressive und explosive Gase.

Lauftrad mit rückwärts gekrümmten Schaufeln.

Motor: Außenläufer, Motorschutz mit integriertem Thermokontakt mit manueller Rückstellung, wartungsfreie Kugellager.

Das Gehäuse besteht aus verzinktem Stahlblech gefaltet und die hohe Luftdichtheit Gehäuse gewährleistet.

Rohrventilatoren Baureihe VKAP 3.0 entspricht der ERP-Richtlinie 2015. Montagewinkel LAV darunter.



Ventilateurs pour gaines destinés aux systèmes de ventilation et de climatisation en montage directe sur conduits d'air circulaires. Utilisation en apport d'air neuf ou extraction d'air vicié. Le produit n'est pas adapté au transport d'air fortement pollué, de gaz agressifs ou explosifs.

Turbine : réaction (pales incurvées vers l'arrière).

Moteur : rotor extérieur, entraînement direct, protection moteur intégrée par thermocontact, roulements à longue durée de vie ne nécessitant pas d'entretien.

Supports de montage LAV.



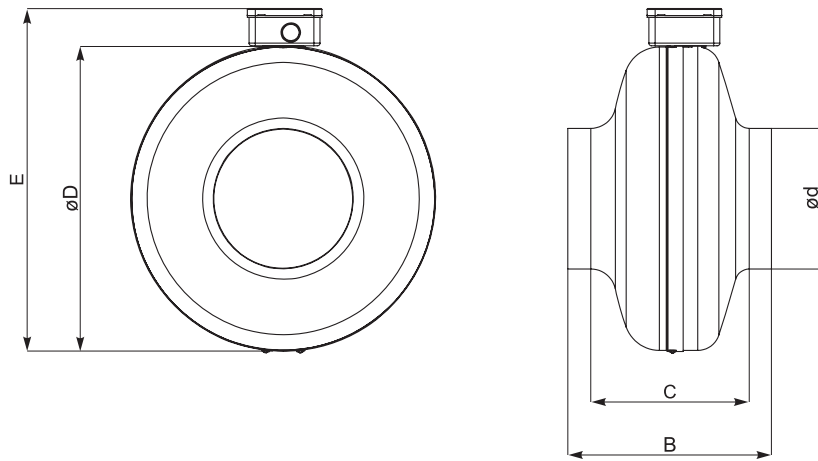
Runde kanalventilatorer for montage i runde kanalsystemer. Valgfri monteringsposition. Ikke velegnede for uren luft, aggressiv eller eksplosionsfarlig luft.

Ventilatorhjul med bagoverbøjede skovle.

Ekstern rotormotor med indbygget termisk beskyttelse med manuel reset samt vedligeholdelsesfrie kuglelejer.

Serie VKAP 3.0 overholder som minimum ErP 2015

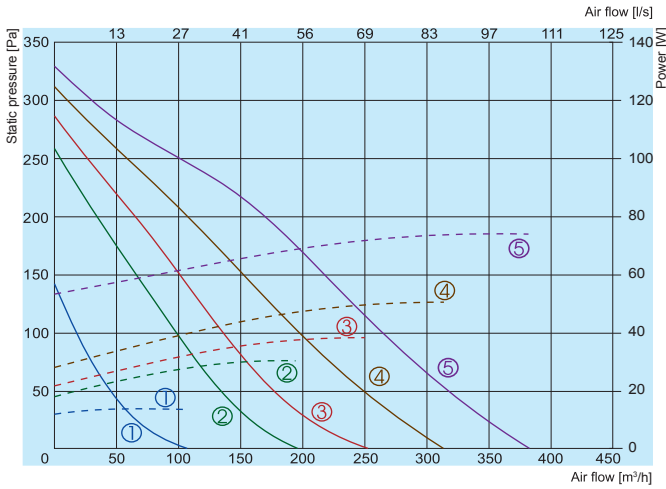
Der medleveres monteringsbeslag, type LAV.



Type	Dimensions [mm]				
	B	C	øD	ød	E
VKAP 125 MD/LD 3.0	182	143	243	125	286
VKAP 160 LD 3.0	217	166	344	160	387
VKAP 200 LD 3.0	231	179	344	200	387
VKAP 250 LD 3.0	230	167	344	250	387
VKAP 315 LD 3.0	256	188	402	315	444

VKAP 3.0

VKAP 100 LD 3.0



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

100 LD 3.0

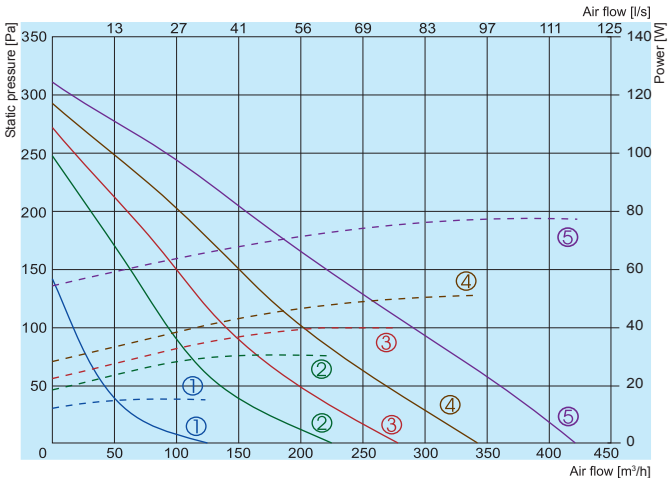
L total, dB(A)	Lwa, dB(A)							
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
Inlet	70	53	58	60	66	65	58	47
Outlet	71	54	60	61	67	66	58	48
Surrounding	61	34	58	44	55	54	47	37

Measured at 257 m³/h, 104 Pa

Air flow [m³/h]

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

VKAP 125 LD 3.0



- Performance
Power consumption
- ① 80V
 - ② 120V
 - ③ 140V
 - ④ 170V
 - ⑤ 230V

125 LD 3.0

Lwa total, dB(A)	Lwa, dB(A)							
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
Inlet	69	50	54	63	65	64	56	47
Outlet	68	49	53	61	64	63	55	45
Surrounding	56	28	29	45	53	52	44	35

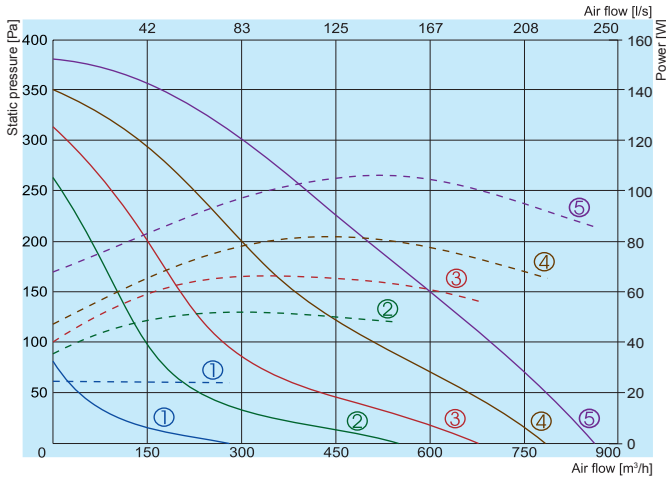
Measured at 280 m³/h, 104 Pa

* Under 0,125 kW the norms of ErP 2015 are not applicable.

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

VKAP 3.0

VKAP 160 LD 3.0



160 LD 3.0

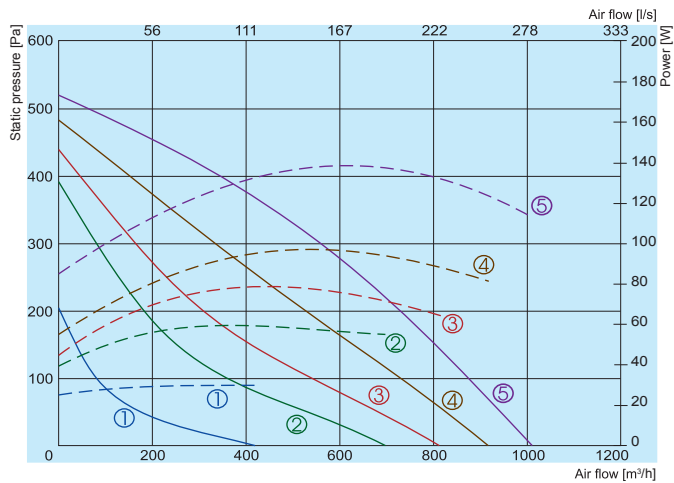
Inlet
Outlet
Surrounding

L _{total} , dB(A)	L _{wa} , dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	74	52	67	68	71	62	52
Outlet	75	52	68	68	72	64	51
Surrounding	61	31	49	52	59	52	36

Measured at 685 m³/h, 104 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

VKAP 200 LD 3.0



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

200 LD 3.0

	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	73	53	60	66	69	66	65	63
Outlet	74	54	62	65	70	67	67	63
Surrounding	58	25	35	46	53	55	47	45

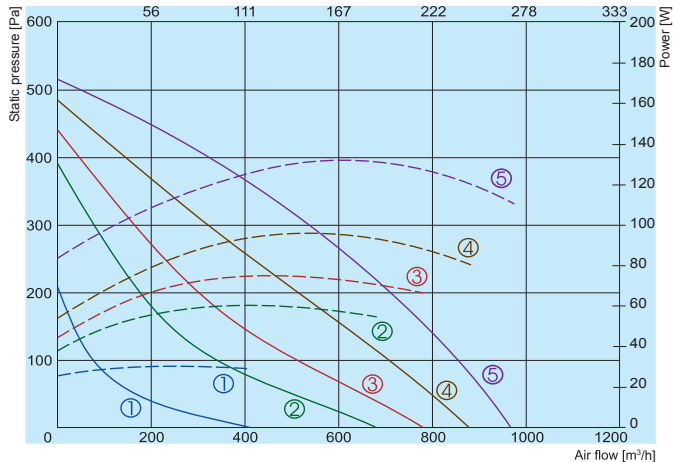
Measured at 846 m³/h, 123 Pa

	160 LD 3.0	200 LD 3.0	
Voltage/Frequency	[V/Hz]	230/50	230/50
Power consumption	[kW]	0,106	0,135
Current	[A]	0,45	0,56
Speed	[min ⁻¹]	2800	2660
Max. airflow	[m ³ /h]	866	1007
Capacitor	[µF]	2,0	4,0
Max. air temperature	[°C]	40	40
Weight	[kg]	4	4,7
Wiring diagram		No.1	No.1
Protection class:	motor	IP-44	IP-44
	terminal box	IP-55	IP-55
Comply with ERP 2015		*	+

* Under 0,125 kW the norms of ErP 2015 are not applicable.

VKAP 3.0

VKAP 250 LD 3.0



Performance
Power consumption

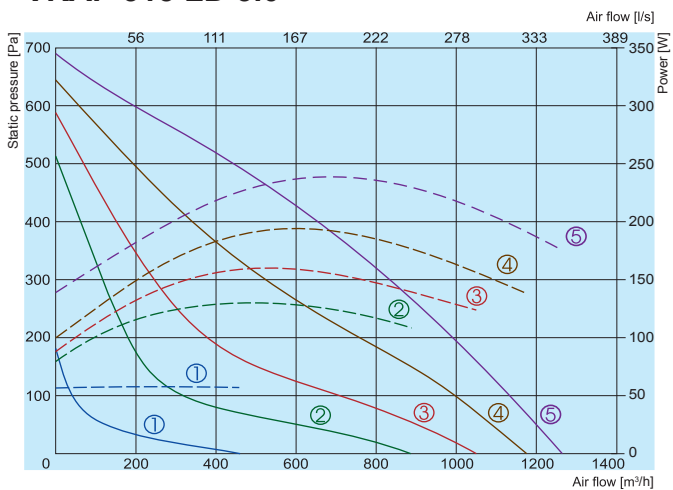
- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

250 LD 3.0

L _{wa} total, dB(A)	L _{wa} , dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	74	54	62	67	69	67	65
Outlet	75	55	63	66	70	68	67
Surrounding	55	33	38	47	50	48	46

Measured at 810 m³/h, 123 Pa

VKAP 315 LD 3.0



Performance
Power consumption

- ① 80V
- ② 120V
- ③ 140V
- ④ 170V
- ⑤ 230V

315 LD 3.0

L total, dB(A)	L _{wa} , dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	73	50	59	67	68	66	65
Outlet	74	51	60	66	69	67	66
Surrounding	53	33	38	45	48	47	45

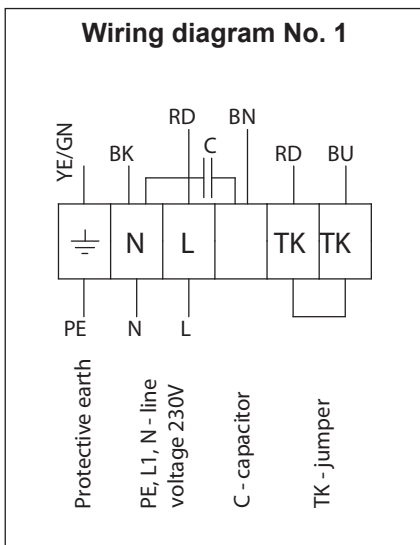
Measured at 1080 m³/h, 149 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

		250 LD 3.0	315 LD 3.0
Voltage/Frequency	[V/Hz]	230/50	230/50
Power consumption	[kW]	0,132	0,238
Current	[A]	0,56	1,06
Speed	[min ⁻¹]	2460	2600
Capacitor	[μF]	4,0	5,0
Max. airflow	[m ³ /h]	967	1263
Max. air temperature	[°C]	40	40
Weight	[kg]	4,7	6,0
Wiring diagram		No.1	No.1
Protection class:	motor	IP-44	IP-44
	terminal box	IP-55	IP-55
Comply with ERP 2015		+	+

* Under 0,125 kW the norms of ErP 2015 are not applicable.

Wiring diagram No. 1



- YE/GN** - yellow/green
- BK** - black
- RD** - red
- BN** - brown
- BU** - blue