

Circular duct fans

K/KV 150-200



K 150-200



KV 150-200

- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Can be installed outdoors
- Maintenance-free and reliable

The K series is designed for installation in ducts. The KV series is designed to be used as wall mounted duct connected extract fans. All the K and KV-fans have minimum 25 mm long spigot connections.

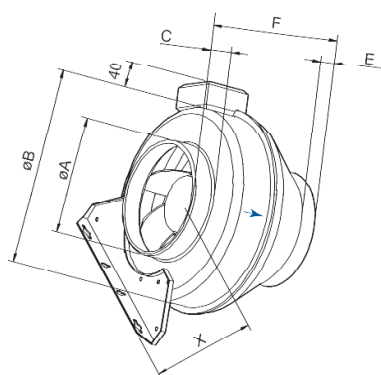
To simplify the installation the K-fan has a preassembled fixing bracket included as standard. The FK mounting clamp facilitates easy installation and removal, and prevents the transfer of vibration to the duct. The fans have backward-curved blades and external rotor motors.

K and KV fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating the K-fan has integral thermal contacts with electrical reset, KV with automatic reset.

The casing is manufactured from galvanised sheet steel and folded which gives the fan a close to air tight casing. Duct connected outdoor and wet room applications of the fan are possible due to the air tight casing and the IP55 rated terminal box with a IP68 rated M20 cable gland.

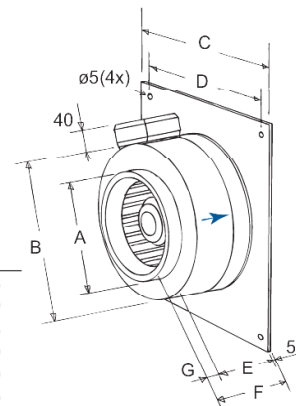
K/KV		150/160 M	150/160 XL	200 M	200 L
Voltage/Frequency	V/50 Hz	230	230	230	230
Phase	~	1	1	1	1
Power	W	59	105	106	158
Current	A	0,26	0,46	0,46	0,71
Maximum air flow	m ³ /s (m ³ /h)	0,14 (488)	0,21 (770)	0,22 (776)	0,27 (968)
R.p.m.	min ⁻¹	2499	2553	2551	2630
Max. temp. of transported air	°C	70	70	70	68
" when speed-controlled	°C	70	70	70	68
Sound pressure level at 3 m *	dB(A)	44	53	51	50
Weight	kg	3	3,9	3,8	4,5
Insulation class, motor		B	B	B	F
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44
Capacitor	µF	2	3	3	4
Motor protection		Integral	Integral	Integral	Integral
Speed control, five-step	Transformer	RE 1,5	RE 1,5	RE 1,5	RE 1,5
Speed control, five-step high/low	Transformer	REU 1,5	REU 1,5	REU 1,5	REU 1,5
Speed control, stepless	Thyristor	REE 1	REE 1	REE 1	REE 1
Wiring diagram p. 11-17		2	2	2	2

* According to 20 m² Sabine

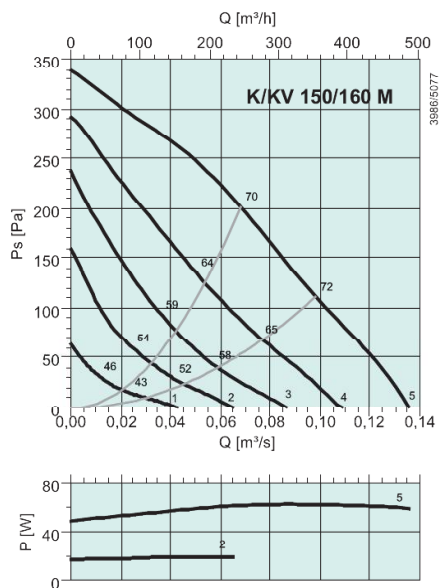


	øA	øB	C	E	F	X
K 150 M	150	286	25	25	202	148
K 150 XL	150	336	29	26	226	174
K 160 M	160	286	25	26	198	148
K 160 XL	160	336	29	26	221	174
K 200 M	200	336	30	27	205	184
K 200 L	200	336	30	27	231	184

	A	B	C	D	E	F	G
KV 150 M	149	286	374	344	113	143	25
KV 150 XL	149	336	425	394	147	181	29
KV 160 M	159	286	374	344	113	143	25
KV 160 XL	159	336	425	394	147	181	29
KV 200 M	199	336	425	394	134	169	30
KV 200 L	199	336	425	394	158	193	30



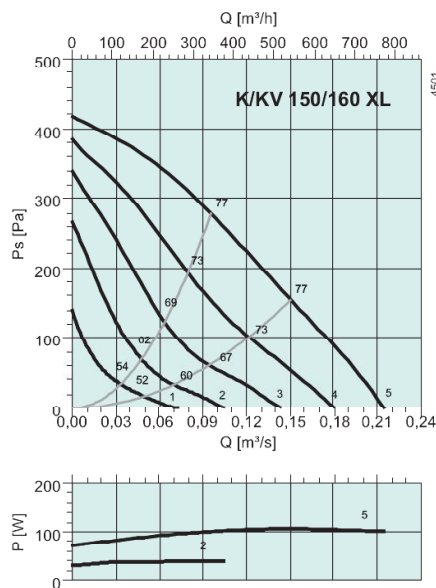
Circular duct fans



K/KV 150/160 M

		Mid-frequency band, Hz									
		Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{WA}	Duct	dB(A)	70	43	65	64	65	61	59	48	37
L _{WA}	Surrounding	dB(A)	51	13	23	35	47	43	46	38	23
With LDC 160-900											
L _{WA}	Duct	dB(A)	62	41	61	54	37	19	16	28	22

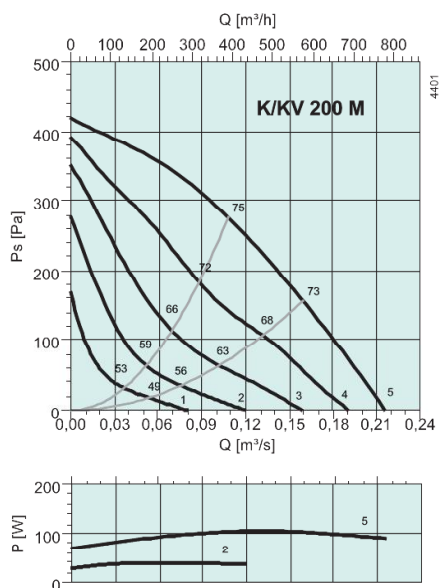
Measuring point: $q_v = 0.068 \text{ m}^3/\text{s}$, $P_s = 201 \text{ Pa}$



K/KV 150/160 XL

		Mid-frequency band, Hz									
		Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{WA}	Duct	dB(A)	77	49	65	72	73	67	63	63	51
L _{WA}	Surrounding	dB(A)	60	24	31	42	59	46	46	49	35
With LDC 160-900											
L _{WA}	Duct	dB(A)	65	47	61	62	45	25	20	43	36

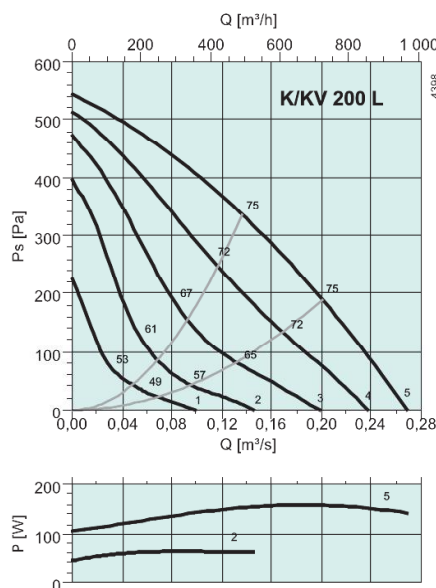
Measuring point: $q_v = 0.096 \text{ m}^3/\text{s}$, $P_s = 278 \text{ Pa}$



K/KV 200 M

		Mid-frequency band, Hz									
		Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{WA}	Duct	dB(A)	75	47	67	67	72	65	61	59	50
L _{WA}	Surrounding	dB(A)	58	16	40	39	54	49	52	52	37
With LDC 200-900											
L _{WA}	Duct	dB(A)	65	45	63	59	48	33	27	46	40

Measuring point: $q_v = 0.11 \text{ m}^3/\text{s}$, $P_s = 272 \text{ Pa}$



K/KV 200 L

		Mid-frequency band, Hz									
		Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{WA}	Duct	dB(A)	75	49	68	70	71	65	62	58	50
L _{WA}	Surrounding	dB(A)	57	17	30	41	52	49	52	48	36
With LDC 200-900											
L _{WA}	Duct	dB(A)	66	47	64	62	47	33	28	45	40

Measuring point: $q_v = 0.14 \text{ m}^3/\text{s}$, $P_s = 336 \text{ Pa}$