RVK sileo

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

The RVK sileo series is designed for installation in ducts. The casing is manufactured from PP fibreglass reinforced plastic which gives the fan a low leakage casing. Duct connected wet room applications of the fan are possible due to the air tight casing and the IP 44 rated terminal box. We recommend a period of continued ventilation with dry air for wet room applications.The fans have high effective backward curved blades (* BAT with special geometry) and external rotor motors. The FK mounting clamp facilitates easy installation and removal, and prevents the transfer of vibration to the duct. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating the models have integrated thermal contacts with automatic reset.

* BAT = Best Available Technology

Electrical accessories

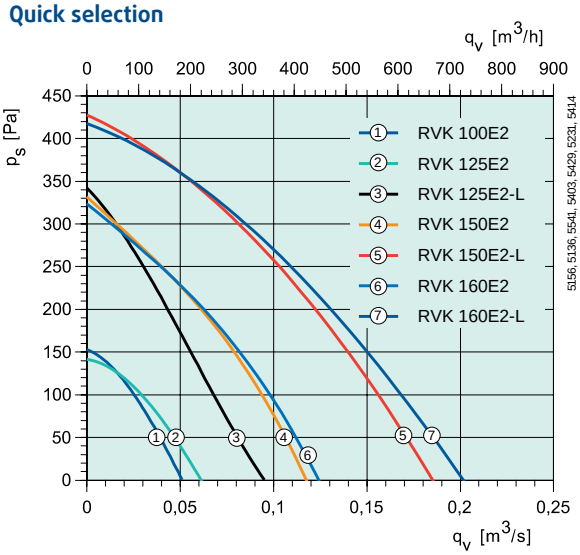
RE p. 356

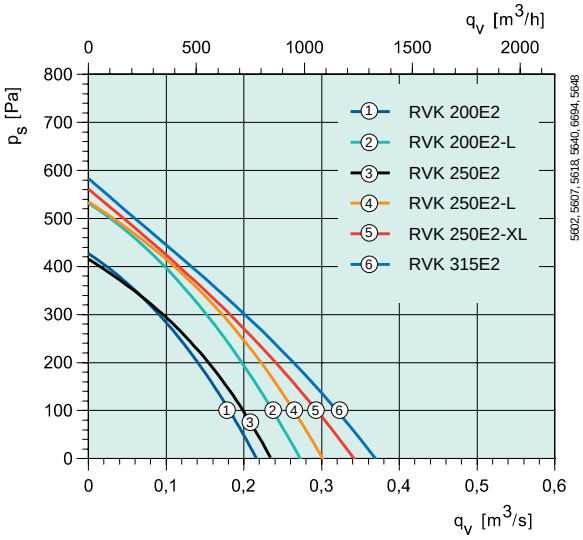
REU p. 356

REE p. 357

REV p. 380

Quick selection

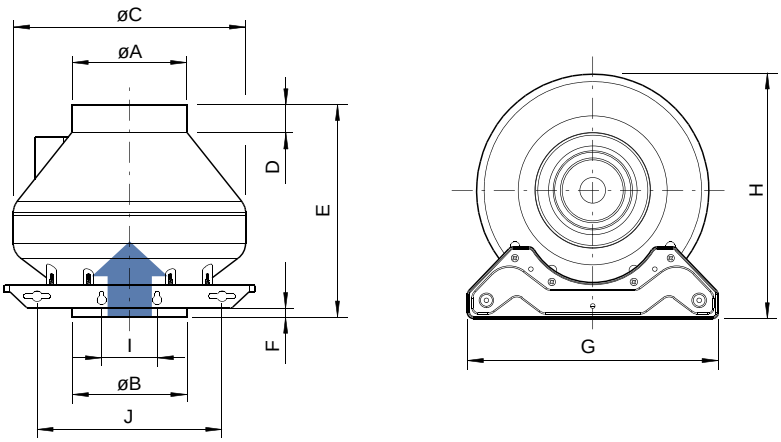




Technical data

RVK sileo		100E2	125E2	125E2-L	150E2	150E2-L	160E2	160E2-L
Art. no.		5755	5756	30331	30336	30341	30338	30342
Voltage/Frequency	V/50 Hz	230 1~	230 1~	230 1~	230 1~	230 1~	230 1~	230 1~
Power	W	29.1	29.2	58.8	59.6	109	59.2	106
Current	A	0.171	0.172	0.26	0.262	0.5	0.261	0.461
Max. air flow	m³/s	0.0512	0.0612	0.0898	0.119	0.2	0.121	0.203
R.p.m.	min⁻¹	2482	2469	2494	2437	2527	2459	2557
Max. temp. of transported air	°C	70	70	70	70	70	70	70
" when speed controlled	°C	70	70	70	70	70	70	70
Sound pressure level at 3 m	dB(A)	35	38	43	41	45	41	44
Weight	kg	1.8	1.8	2.2	2.6	3.1	2.7	3.2
Insulation class, motor		B	B	B	B	F	B	F
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Capacitor	µF	–	–	2	2	3	2	3
Motor protection		Integral	Integral	Integral	Integral	Integral	Integral	Integral
Speed control, five-step	Transformer	RE 1.5	RE 1.5	RE 1.5	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	REU 1.5	REU 1.5	REU 1.5
Speed control, stepless	Thyristor	REE 1	REE 1	REE 1	REE 1	REE 1	REE 1	REE 1
Wiring diagram p. 442-461		1	1	2	2	2	2	2

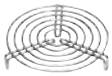
Dimensions



RVK sileo	øA	øB	øC	D	E	F	G	H	I	J
100	99	99	251	30	230	30	271.5	265	60	200
125	124	124	251	30	230	30	271.5	265	60	200
150	149	149	340.5	30	230	30	271.5	360	60	200
160	159	159	340.5	30	230	30	271.5	360	60	200
200	199	199	340.5	30	230	30	271.5	360	60	200
250E2-L	249	249	340.5	30	250	30	271.5	360	60	200
250E2, XL	249	249	340.5	30	230	30	271.5	360	60	200
315E2	314	314	405	30	275	30	271.5	430	60	200

Ventilation accessories

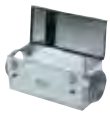

FK p. 388


SG p. 389


VK p. 389


RSK p. 388

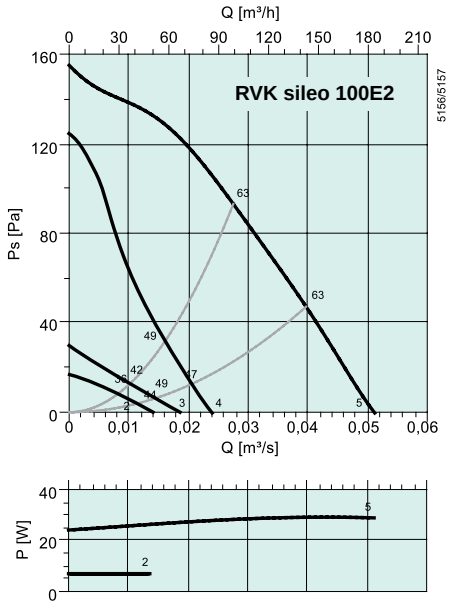

LDC p. 390


FFR p. 391


CB p. 393

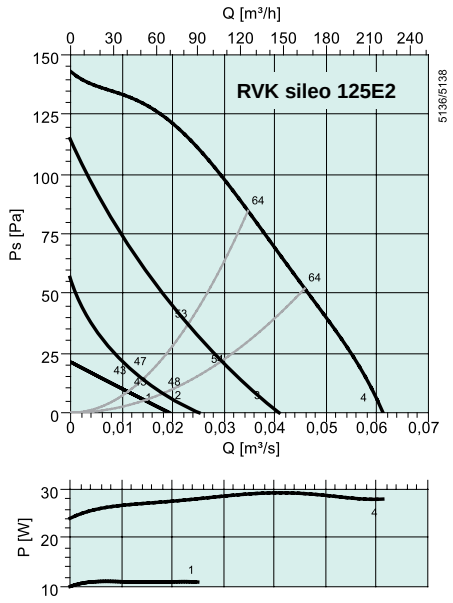
RVK sileo		200E2	200E2-L	250E2	250E2-L	250E2-XL	315E2
Art. no.		36092	36094	36093	36095	36096	36097
Voltage/Frequency	V/50 Hz	230 1~	230 1~	230 1~	230 1~	230 1~	230 1~
Power	W	104	153	109	159	208	202
Current	A	0.46	0.672	0.476	0.691	0.911	0.887
Max. air flow	m^3/s	0.221	0.28	0.239	0.3	0.363	0.382
R.p.m.	min^{-1}	2495	2533	2518	2531	2523	2538
Max. temp. of transported air	°C	70	70	70	70	70	70
" when speed controlled	°C	70	55	70	70	55	70
Sound pressure level at 3 m	dB(A)	42	45	40	42	42	45
Weight	kg	3.2	3.8	3.3	3.8	4.4	5.1
Insulation class, motor		F	F	F	F	B	B
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Capacitor	µF	3	4	3	4	5	5
Motor protection		Integral	Integral	Integral	Integral	Integral	Integral
Speed control, five-step	Transformer	RE 1.5	RE 1.5	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	REU 1.5	REU 1.5
Speed control, stepless	Thyristor	REE 1	REE 1	REE 1	REE 1	REE 1	REE 1
Wiring diagram p. 442-461		2	2	2	2	2	2

Performance



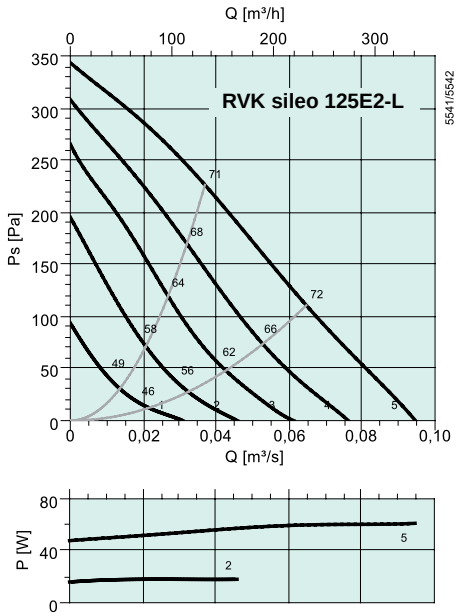
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	62	39	57	57	57	51	44	39	27
L_{wA} Outlet	57	42	52	52	51	47	44	40	28
L_{wA} Surrounding	42	1	11	30	37	37	34	25	14

Measurement point: 0.0256 m^3/s @ 99.9 Pa



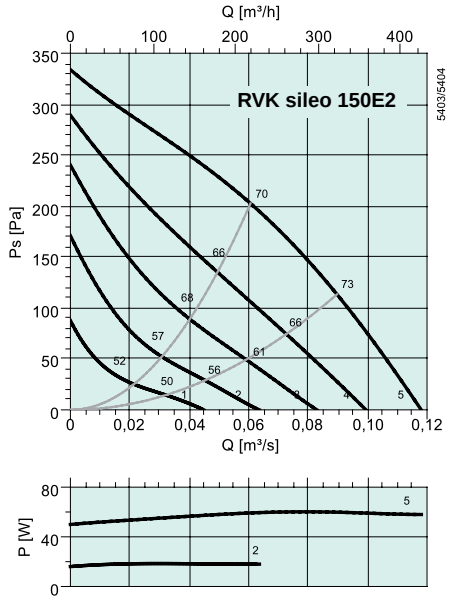
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	63	36	56	57	60	52	46	41	33
L_{wA} Outlet	60	36	54	57	53	50	47	42	33
L_{wA} Surrounding	45	12	15	28	42	38	36	27	28

Measurement point: 0.0306 m^3/s @ 96.3 Pa



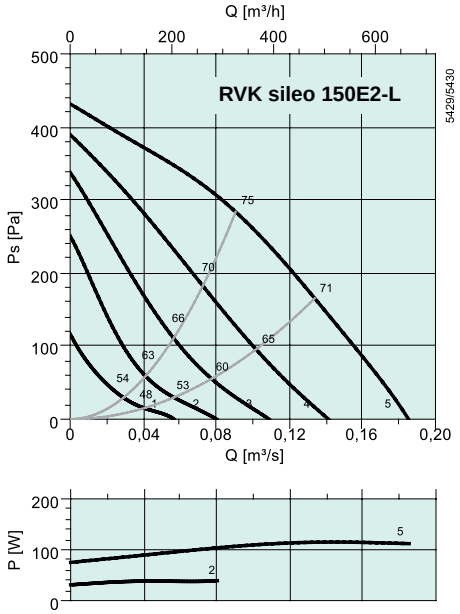
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	68	45	58	63	62	60	57	51	41
L_{wA} Outlet	67	51	58	62	61	57	54	49	39
L_{wA} Surrounding	50	12	25	32	43	46	46	36	24

Measurement point: 0.0404 m^3/s @ 201 Pa



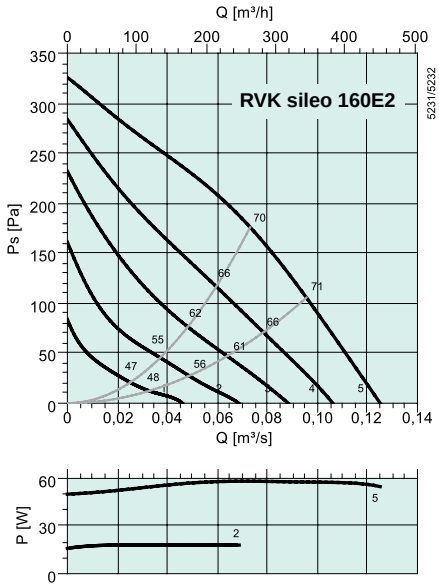
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	65	43	53	58	59	60	56	50	39
L_{wA} Outlet	63	43	54	57	56	57	51	47	37
L_{wA} Surrounding	48	14	10	27	42	44	41	30	21

Measurement point: 0.0715 m^3/s @ 183 Pa



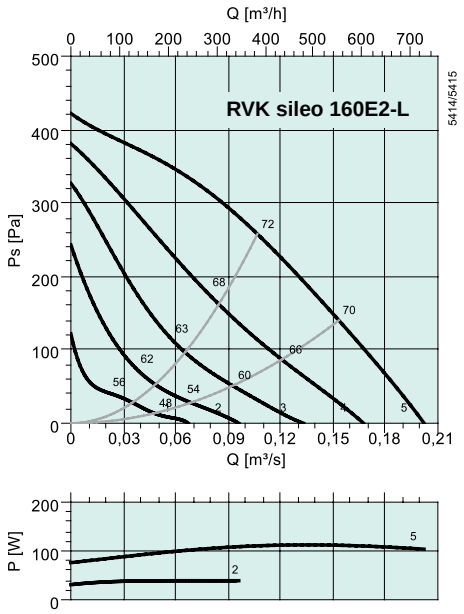
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	69	44	60	63	63	63	59	55	46
L_{WA} Outlet	68	47	60	63	61	63	58	52	44
L_{WA} Surrounding	52	12	21	30	46	49	46	37	25

Measurement point: 0.11 m^3/s @ 251 Pa



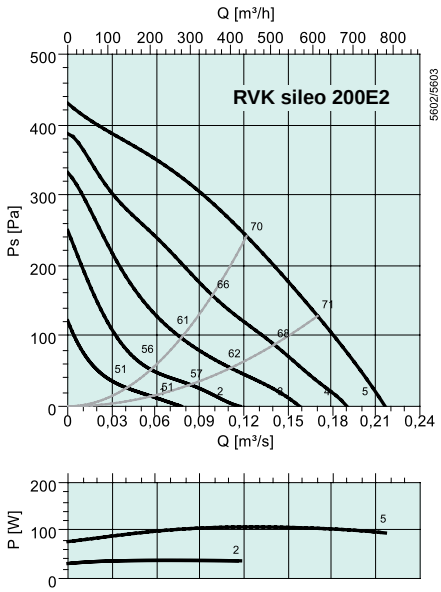
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	66	42	58	58	59	60	58	51	41
L_{WA} Outlet	64	51	57	56	56	58	55	51	40
L_{WA} Surrounding	48	14	25	30	43	44	43	30	23

Measurement point: 0.0666 m^3/s @ 191 Pa



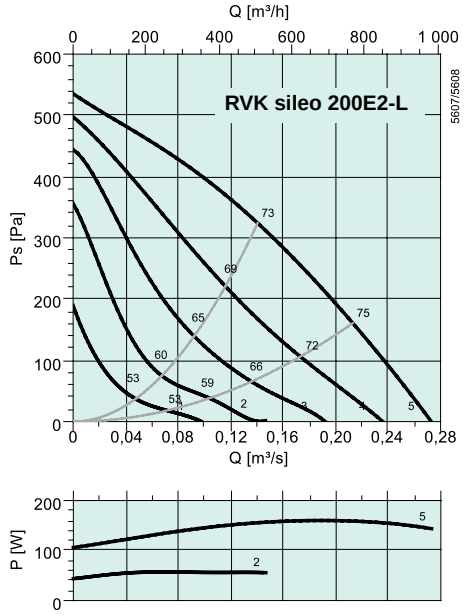
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	70	46	63	62	63	63	61	57	47
L_{WA} Outlet	68	48	62	59	63	60	58	53	46
L_{WA} Surrounding	51	17	28	28	44	48	46	35	23

Measurement point: 0.101 m^3/s @ 259 Pa



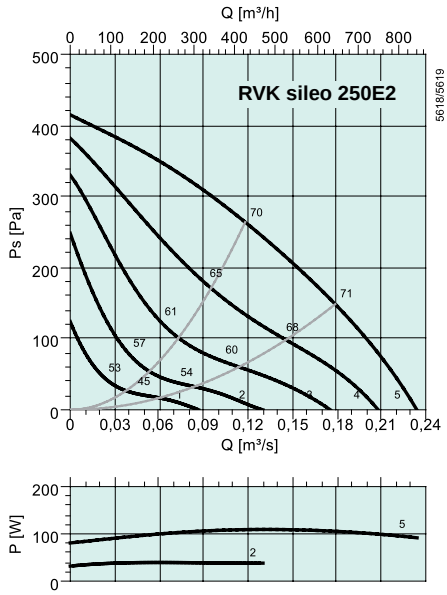
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	68	41	58	60	62	61	61	56	48
L_{WA} Outlet	66	47	55	54	60	58	59	56	50
L_{WA} Surrounding	49	17	27	33	45	43	43	37	27

Measurement point: 0.121 m^3/s @ 215 Pa



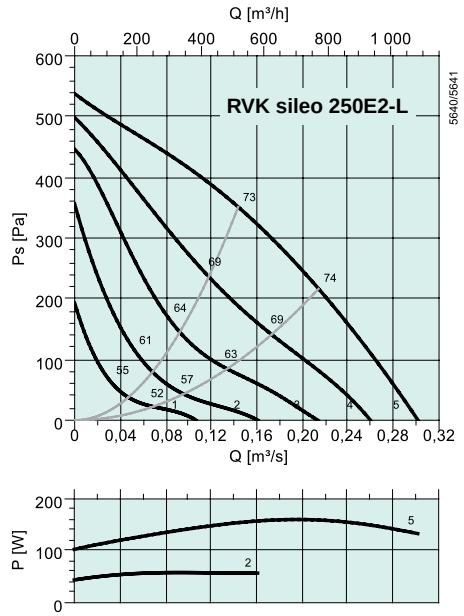
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	69	45	58	61	62	65	62	55	47
L_{wA} Outlet	69	48	56	59	61	63	64	56	48
L_{wA} Surrounding	52	17	27	36	44	49	47	34	25

Measurement point: 0.14 m³/s @ 332 Pa



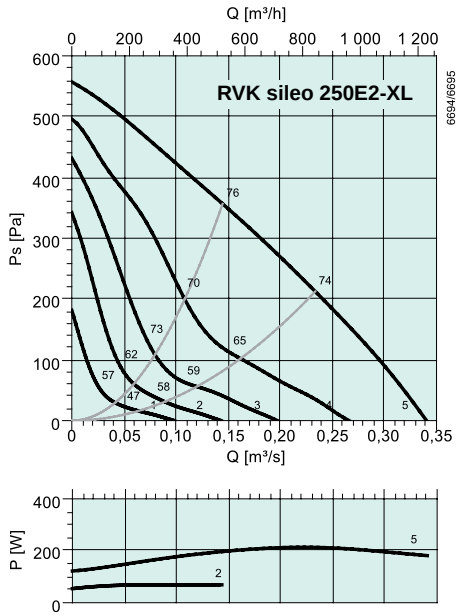
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	67	49	58	62	60	59	58	54	48
L_{wA} Outlet	65	46	57	57	58	57	59	54	49
L_{wA} Surrounding	47	28	31	38	43	41	38	34	26

Measurement point: 0.143 m³/s @ 229 Pa



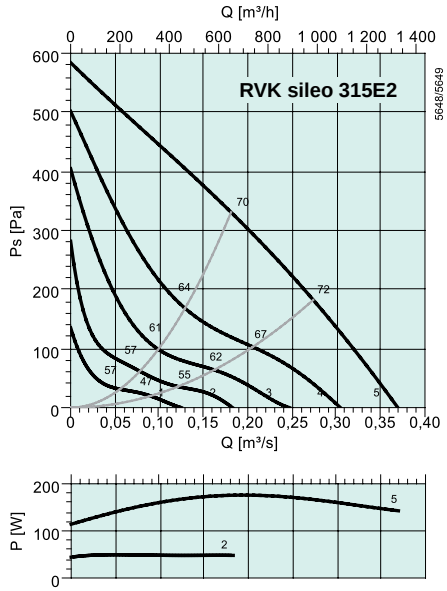
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	71	46	58	69	60	65	58	54	47
L_{wA} Outlet	67	49	57	57	59	64	59	54	45
L_{wA} Surrounding	49	16	30	43	40	46	39	30	21

Measurement point: 0.165 m³/s @ 319 Pa



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{wA} Inlet	71	45	60	68	62	62	60	56	48
L_{wA} Outlet	69	55	59	63	63	61	62	57	49
L_{wA} Surrounding	49	13	26	44	43	42	41	35	26

Measurement point: 0.182 m³/s @ 357 Pa



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L_{WA} Inlet	69	49	56	64	63	63	61	56	50
L_{WA} Outlet	69	49	55	62	58	62	65	58	53
L_{WA} Surrounding	52	20	22	48	48	45	42	32	27

Measurement point: 0.21 m^3/s @ 359 Pa