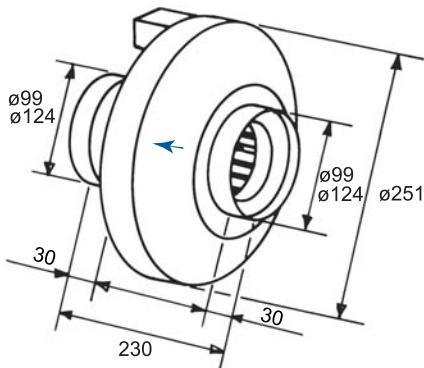


Circular duct fans

RVK 100-125



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

The RVK series is designed for installation in ducts. The fans have backward-curved blades 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.

The RVK 100E2-A1 and 125E2-A1 models are impedans protected. RVK 125E2-L1 models have integral thermal contacts with electrical reset. The casing is manufactured from fibreglass reinforced plastic.

RVK		100E2-A1	125E2-A1	125E2-L1
Voltage/Frequency	V/Hz	230	230	230
Phase	~	1	1	1
Power	W	32	31	80
Current	A	0,19	0,19	0,35
Maximum air flow	m ³ /s (m ³ /h)	0,05 (175)	0,062 (225)	0,097 (350)
R.p.m.	min ⁻¹	2500	2490	2350
Max. temp of transported air	°C	60	60	60
Max. temp of transported air when speed-controlled	°C	60	60	60
Sound pressure level at 3 m	dB(A)	35	39	44
Weight	kg	2	2	2
Insulation class		B	B	B
Enclosure class		IP 44	IP 44	IP 44
Capacitor	µF	-	-	2
Motor protection		Impedance	Impedance	Integral
Speed control, five step	Transformer	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
Speed control, stepless	Thyristor	REE 1	REE 1	REE 1
Wiring diagram p. 12-15		1	1	2

Accessories



BFB p. 479



FK p. 479



SG p. 481



VK p. 481



IGK p. 482



RSK p. 480



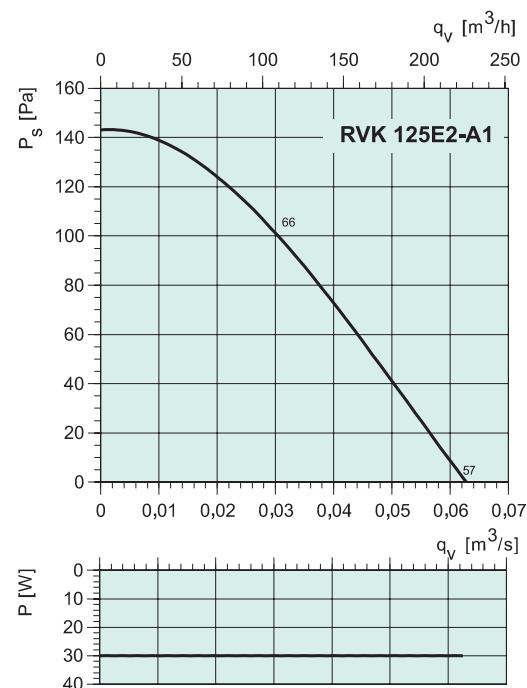
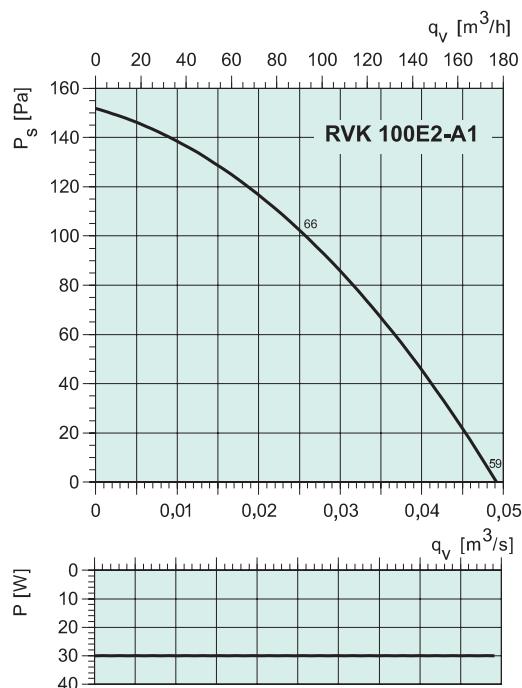
LDC p. 470



FFR p. 470



CB p. 472



RVK 100E2-A1

Mid-frequency band, Hz										
Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct	dB(A)	66	48	53	60	59	57	56	50	44
L _{wA} Surrounding	dB(A)	42	35	23	26	34	38	34	30	24
With LDC 100-600										
L _{wA} Duct	dB(A)	50	44	45	46	33	23	15	5	19

Measuring point: $q_V = 0,026 \text{ m}^3/\text{s}$, $P_s = 100 \text{ Pa}$

RVK 125E2-A1

Mid-frequency band, Hz										
Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct	dB(A)	66	48	53	60	59	57	56	50	44
L _{wA} Surrounding	dB(A)	46	40	27	30	38	42	38	34	28
With LDC 125-600										
L _{wA} Duct	dB(A)	52	45	47	48	37	29	19	12	22

Measuring point: $q_V = 0,03 \text{ m}^3/\text{s}$, $P_s = 100 \text{ Pa}$

RVK 125E2-L1

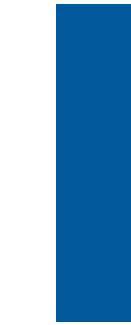
Mid-frequency band, Hz										
Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct	dB(A)	70	52	57	64	63	61	60	54	48
L _{wA} Surrounding	dB(A)	51	45	32	35	43	47	43	39	33
With LDC 125-600										
L _{wA} Duct	dB(A)	56	49	51	52	41	33	23	16	26

Measuring point: $q_V = 0,09 \text{ m}^3/\text{s}$, $P_s = 14 \text{ Pa}$

Electrical accessories



Transformer p. 454 Thyristor p. 456



Circular duct fans

RVK 150/160



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

The RVK series is designed for installation in ducts. The fans have backward-curved blades 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.

The RVK fans have integral thermal contacts with electrical reset. The casing is manufactured from fibreglass reinforced plastic.

Also available with spigot size ø150 mm.

RVK 150/160E2-A1 RVK 150/160E2-L1

Voltage/Frequency	V/Hz	230	230
Phase	~	1	1
Power	W	80	110
Current	A	0,36	0,51
Maximum air flow	m ³ /s (m ³ /h)	0,12 (420)	0,18 (660)
R.p.m.	min ⁻¹	2350	2520
Max. temp of transported air	°C	50	60
Max. temp of transported air when speed-controlled	°C	50	60
Sound pressure level at 3 m	dB(A)	44	53
Weight	kg	3	4,7
Insulation class		B	B
Enclosure class		IP 44	IP 44
Capacitor	µF	2	3
Motor protection		Integral	Integral
Speed control, five step	Transformer	RE 1,5	RE 1,5
Speed control, five step high/low	Transformer	REU 1,5	REU 1,5
Speed control, stepless	Thyristor	REE 1	REE 1
Wiring diagram p. 12-15		2	2

Accessories



BFB p. 479



FK p. 479



SG p. 481



VK p. 481



IGK p. 482



RSK p. 480



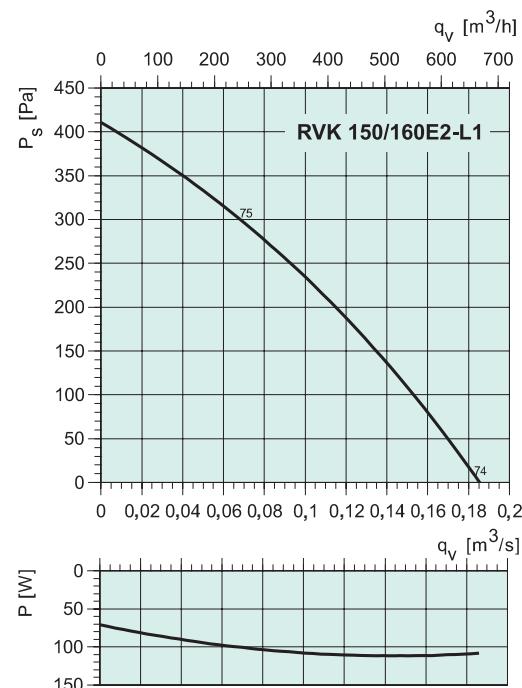
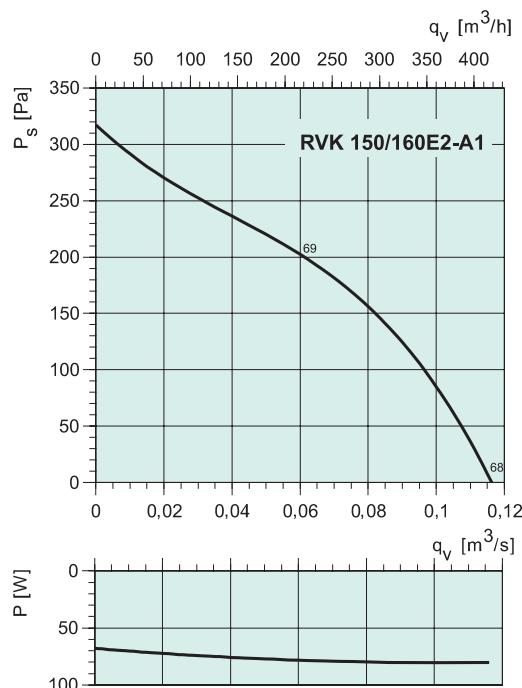
LDC p. 470



FFR p. 470



CB p. 472



RVK 150/160E2-A1

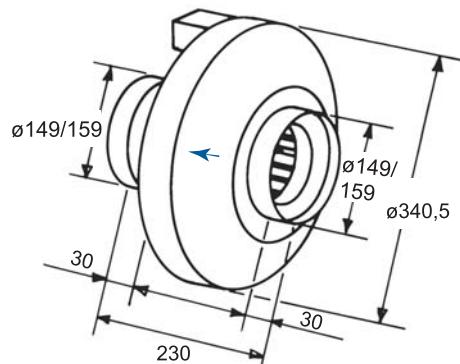
Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	69	51	56	63	62	60	59	53	47
L _{wA} Surrounding		dB(A)	51	45	32	35	43	47	43	39	33
With LDC 160-900											
L _{wA} Duct		dB(A)	56	48	51	53	44	37	26	23	28
Measuring point: $q_v = 0,06 \text{ m}^3/\text{s}$, $P_s = 200 \text{ Pa}$											

RVK 150/160E2-L1

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	75	57	62	69	68	66	65	59	53
L _{wA} Surrounding		dB(A)	60	54	41	44	52	56	52	48	42
With LDC 160-900											
L _{wA} Duct		dB(A)	59	54	54	53	41	30	18	22	32
Measuring point: $q_v = 0,07 \text{ m}^3/\text{s}$, $P_s = 301 \text{ Pa}$											



Electrical accessories



Transformer p. 454 Thyristor p. 456

Circular duct fans

RVK 200



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

The RVK series is designed for installation in ducts. The fans have backward-curved blades 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.

The RVK fans have integral thermal contacts with electrical reset. The casing is manufactured from fibreglass reinforced plastic.

		RVK 200E2-A1	RVK 200E2-L1
Voltage/Frequency	V/Hz	230	230
Phase	~	1	1
Power	W	110	170
Current	A	0,51	0,76
Maximum air flow	m ³ /s (m ³ /h)	0,21 (750)	0,26 (950)
R.p.m.	min ⁻¹	2520	2580
Max. temp of transported air	°C	60	50
Max. temp of transported air when speed-controlled	°C	60	50
Sound pressure level at 3 m	dB(A)	51	52
Weight	kg	4	4,5
Insulation class		B	B
Enclosure class		IP 44	IP 44
Capacitor	µF	3	4
Motor protection		Integral	Integral
Speed control, five step	Transformer	RE 1,5	RE 1,5
Speed control, five step high/low	Transformer	REU 1,5	REU 1,5
Speed control, stepless	Thyristor	REE 1	REE 1
Wiring diagram p. 12-15		2	2

Accessories



BFB p. 479



FK p. 479



SG p. 481



VK p. 481



IGK p. 482



RSK p. 480



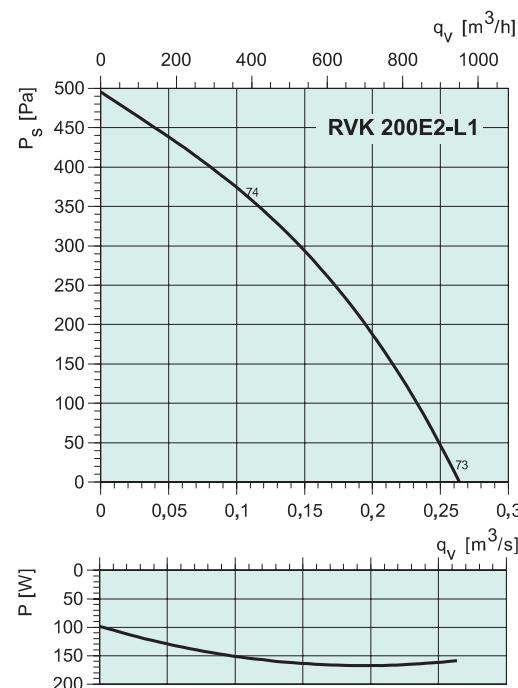
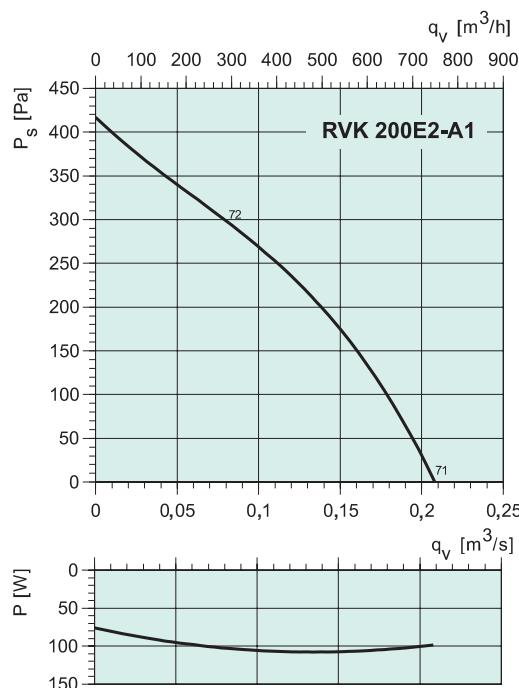
LDC p. 470



FFR p. 470



CB p. 472

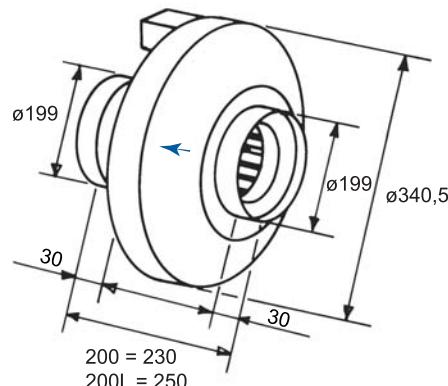


RVK 200E2-A1

Mid-frequency band, Hz											
	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	72	54	59	66	65	63	62	56	50
L _{wA} Surrounding		dB(A)	58	52	39	42	50	54	50	46	40
With LDC 200-900											
L _{wA} Duct		dB(A)	57	52	52	53	41	32	18	25	30
Measuring point:	q _V	=	0,085 m ³ /s		P _s	=	300 Pa				

RVK 200E2-L1

Mid-frequency band, Hz											
	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	74	56	61	68	67	65	64	58	52
L _{wA} Surrounding		dB(A)	59	53	40	43	51	55	51	47	41
With LDC 200-900											
L _{wA} Duct		dB(A)	59	54	54	55	43	34	20	27	32
Measuring point:	q _V	=	0,12 m ³ /s		P _s	=	350 Pa				



Electrical accessories



Transformer p. 479



Thyristor p. 481

Circular duct fans

RVK 250



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

The RVK series is designed for installation in ducts. The fans have backward-curved blades 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.

The RVK fans have integral thermal contacts with electrical reset. The casing is manufactured from fibreglass reinforced plastic.

		RVK 250E2-A1	RVK 250E2-L1
Voltage/Frequency	V/Hz	230	230
Phase	~	1	1
Power	W	110	170
Current	A	0,51	0,76
Maximum air flow	m ³ /s (m ³ /h)	0,21 (760)	0,28 (1020)
R.p.m.	min ⁻¹	2520	2580
Max. temp of transported air	°C	60	50
Max. temp of transported air when speed-controlled	°C	60	50
Sound pressure level at 3 m	dB(A)	44	47
Weight	kg	5	5,2
Insulation class		B	B
Enclosure class		IP 44	IP 44
Capacitor	µF	3	4
Motor protection		Integral	Integral
Speed control, five step	Transformer	RE 1,5	RE 1,5
Speed control, five step high/low	Transformer	REU 1,5	REU 1,5
Speed control, stepless	Thyristor	REE 1	REE 1
Wiring diagram p. 12-15		2	2

Accessories



BFB p. 479



FK p. 479



SG p. 481



VK p. 481



RSK p. 480



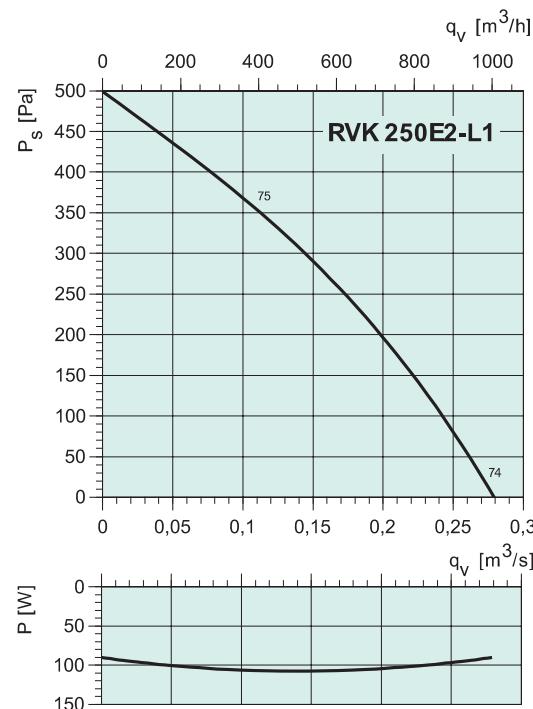
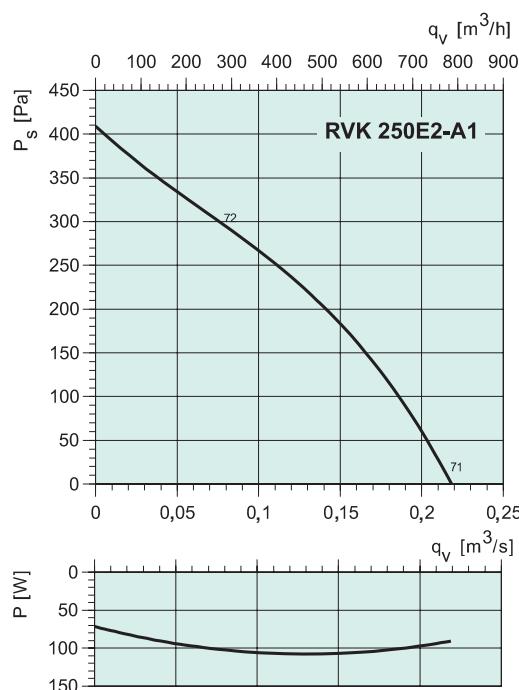
LDC p. 470



FFR p. 470



CB p. 472



RVK 250E2-A1

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	72	54	59	66	65	63	62	56	50
L _{wA} Surrounding		dB(A)	51	45	32	35	43	47	43	39	33

With LDC 250-900

	L _{wA} Duct	dB(A)	59	53	53	55	44	36	23	31	31
Measuring point: $q_V = 0,08 \text{ m}^3/\text{s}$, $P_s = 300 \text{ Pa}$											

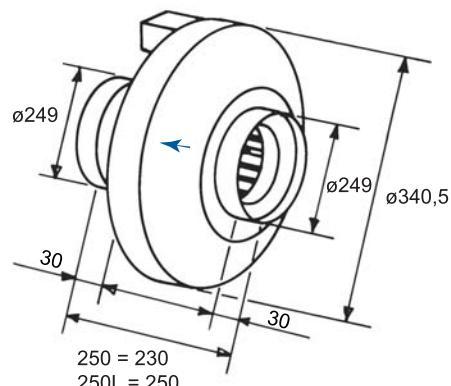
RVK 250E2-L1

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
L _{wA} Duct		dB(A)	75	57	62	69	68	66	65	59	53
L _{wA} Surrounding		dB(A)	54	48	35	38	46	50	46	42	36

With LDC 250-900

	L _{wA} Duct	dB(A)	62	56	56	58	47	39	26	34	34
Measuring point: $q_V = 0,13 \text{ m}^3/\text{s}$, $P_s = 350 \text{ Pa}$											



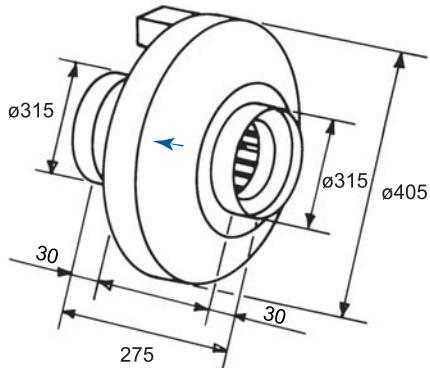
Electrical accessories



Transformer p. 454 Thyristor p. 456

Circular duct fans

RVK 315



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

The RVK series is designed for installation in ducts. The fans have backward-curved blades 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.

The RVK fans have integral thermal contacts with electrical reset. The casing is manufactured from fibreglass reinforced plastic.

RVK

	315E2-A1	315E2-L1
Voltage/Frequency	V/Hz	230
Phase	~	1
Power	W	200
Current	A	0,88
Maximum air flow	m ³ /s (m ³ /h)	0,36 (1300)
R.p.m.	min ⁻¹	2410
Max. temp of transported air	°C	45
Max. temp of transported air when speed-controlled	°C	45
Sound pressure level at 3 m	dB(A)	48
Weight	kg	6
Insulation class		B
Enclosure class		IP 44
Capacitor	µF	5
Motor protection		Integral
Speed control, five step	Transformer	RE 1,5
Speed control, five step high/low	Transformer	REU 1,5
Speed control, stepless	Thyristor	REE 1
Wiring diagram p. 12-15		2

Accessories



BFB p. 479



FK p. 479



SG p. 481



VK p. 481



RSK p. 480



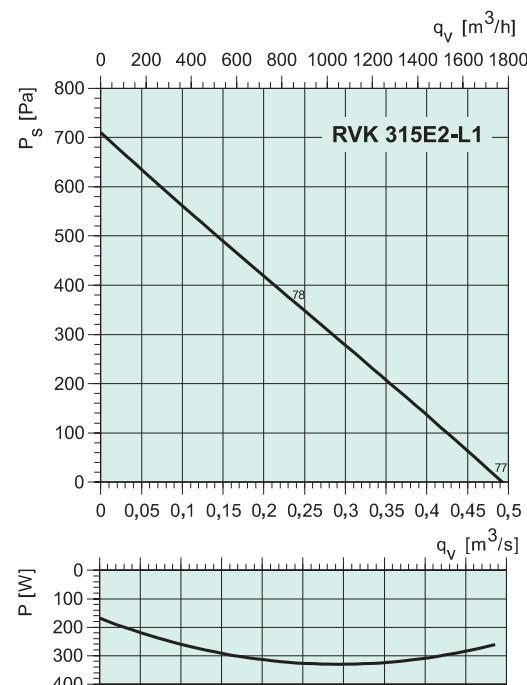
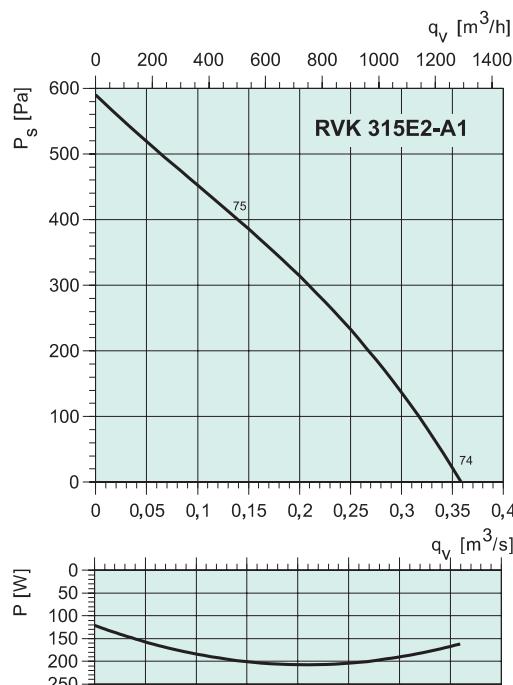
LDC p. 470



FFR p. 470



CB p. 472



RVK 315E2-A1

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{wA} Duct	dB(A)	75	57	62	69	68	66	65	59	53
L _{wA} Surrounding	dB(A)	55	49	36	39	47	51	47	43	37

With LDC 315-900

L _{wA} Duct	dB(A)	63	57	57	60	50	43	33	39	35
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Measuring point: $q_V = 0,14 \text{ m}^3/\text{s}$, $P_s = 400 \text{ Pa}$

RVK 315E2-L1

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
L _{wA} Duct	dB(A)	78	60	65	72	71	69	68	62	56
L _{wA} Surrounding	dB(A)	57	51	38	41	49	53	49	45	39

With LDC 315-900

L _{wA} Duct	dB(A)	66	60	60	63	53	46	36	42	38
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Measuring point: $q_V = 0,24 \text{ m}^3/\text{s}$, $P_s = 351 \text{ Pa}$

Electrical accessories



Transformer p. 454



Thyristor p. 456