

## AW/AR 200-250



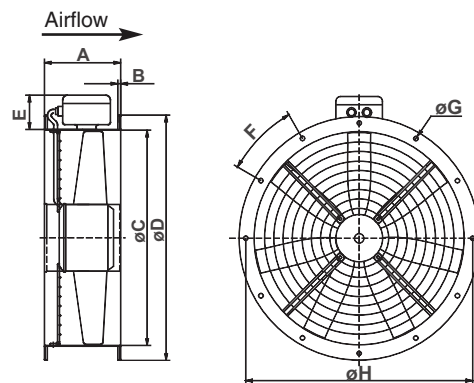
- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing and impellers manufactured from galvanised steel, painted in standard black. The fans have sickle blade impellers.

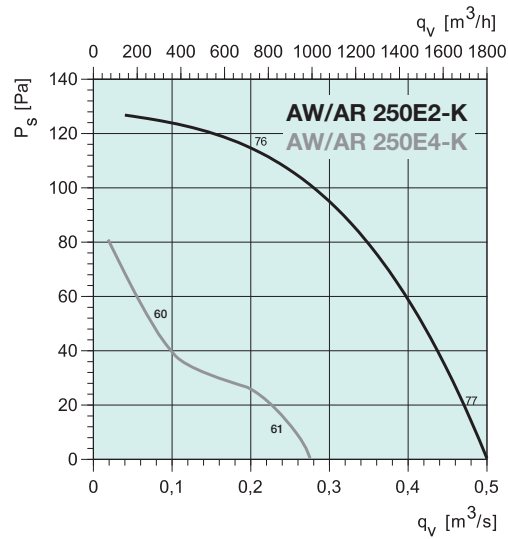
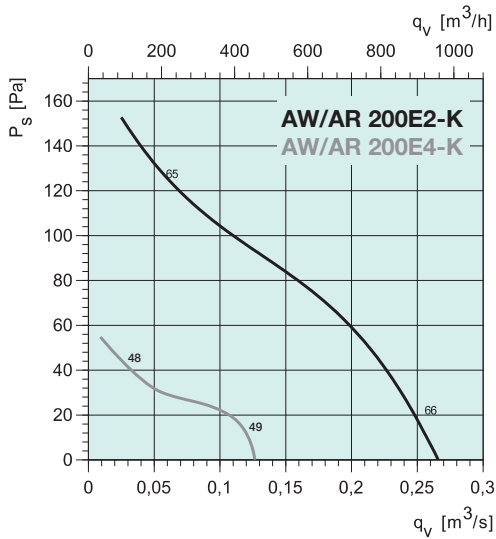
To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

AW/AR		200E2-K	200E4-K	250E2-K	250E4-K
Voltage/Frequency	V/50 Hz	230	230	230	230
Phase	~	1	1	1	1
Power	W	60	16	120	54
Current	A	0,3	0,07	0,53	0,24
Maximum air flow	m <sup>3</sup> /s	0,26	0,13	0,50	0,26
Maximum air flow	m <sup>3</sup> /h	930	450	1800	950
R.p.m.	min <sup>-1</sup>	2600	1300	2500	1400
Max. temp. of transported air	°C	70	75	60	45
" when speed-controlled	°C	70	75	60	45
Sound pressure level at 3 m	dB(A)	58	41	69	53
Weight	kg	2,7	2,5	3,9	3,5
Insulation class, motor		B	B	B	B
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44
Capacitor	µF	1,5	-	3	1,5
Motor protection		AWE-SK	AWE-SK	S-ET 10	AWE-SK
Speed control, five-step	Transformer	RTRE 1,5	RTRE 1,5	RTRE 1,5	RTRE 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		5	5	5	5

Airflow →



	A	B	øC	øD	E	F	øG	øH
AR 200E4-K	85	6	204	255	72	8x45°	7	235
AR 250E4-K	95	6	254	306	72	8x45°	7	286



**AW/AR 200E2-K**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	65	56	57	58	58	57	55	51	47

Measuring point:  $q_v = 0,083 \text{ m}^3/\text{s}$ ,  $P_s = 124 \text{ Pa}$

**AW/AR 250E2-K**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	76	67	68	69	69	68	66	62	58

Measuring point:  $q_v = 0,17 \text{ m}^3/\text{s}$ ,  $P_s = 125 \text{ Pa}$

**AW/AR 200E4-K**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	48	39	40	41	41	40	38	34	30

Measuring point:  $q_v = 0,06 \text{ m}^3/\text{s}$ ,  $P_s = 22 \text{ Pa}$

**AW/AR 250E4-K**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	60	51	52	53	53	52	50	46	42

Measuring point:  $q_v = 0,12 \text{ m}^3/\text{s}$ ,  $P_s = 40 \text{ Pa}$

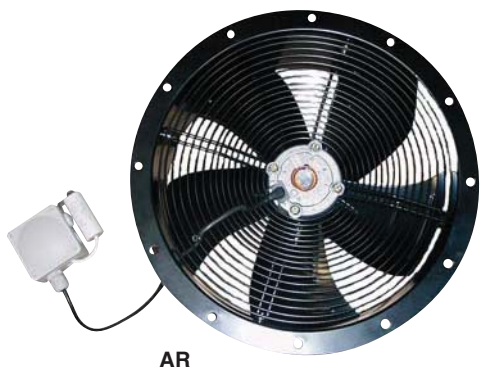


## AW/AR 300-315

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

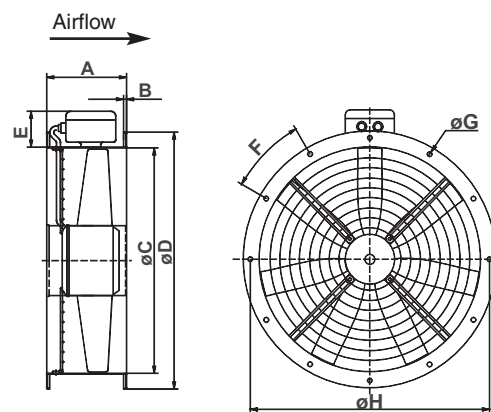
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing and impellers manufactured from galvanised steel, painted in standard black. The fans have sickle blade impellers.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

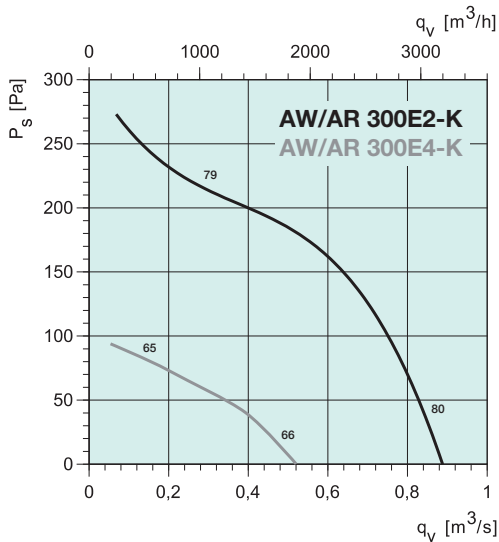


AW/AR		300E2-K	300E4-K	315E4-K	315D4-2K
Voltage/Frequency	V/50 Hz	230	230	230	400
Phase	~	1	1	1	3
Power	W	230	67	100	90
Current	A	1,1	0,32	0,52	0,26
Maximum air flow	m <sup>3</sup> /s	0,95	0,48	0,68	0,68
Maximum air flow	m <sup>3</sup> /h	3420	1740	2450	2450
R.p.m.	min <sup>-1</sup>	2700	1400	1410	1400
Max. temp. of transported air	°C	50	60	55	55
" when speed-controlled	°C	50	60	55	55
Sound pressure level at 3 m	dB(A)	72	58	58	59
Weight	kg	5	4,9	4,7	3,5
Insulation class, motor		B	B	B	B
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44
Capacitor	μF	8	2	4	-
Motor protection		S-ET 10	AWE-SK	S-ET 10	AWE-SK
2-step switch 400V D/Y		-	-	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRE 1,5	RTRE 1,5	RTRE 1,5	RTRD 2
Speed control, five-step high/low	Transformer	REU 1,5	REU 1,5	REU 1,5	RTRDU 2
Speed control, stepless	Thyristor	REE 2	REE 1	REE 1	-
Wiring diagram p. 11-17		5	5	5	16

Airflow →



	A	B	øC	øD	E	F	øG	øH
AR 300E4-K	130	6	319	382	72	8x45°	7	356
AR 315D4-2K	130	6	319	382	72	8x45°	7	356



**AW/AR 300E2-K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet		79	70	71	72	72	71	69	65	61

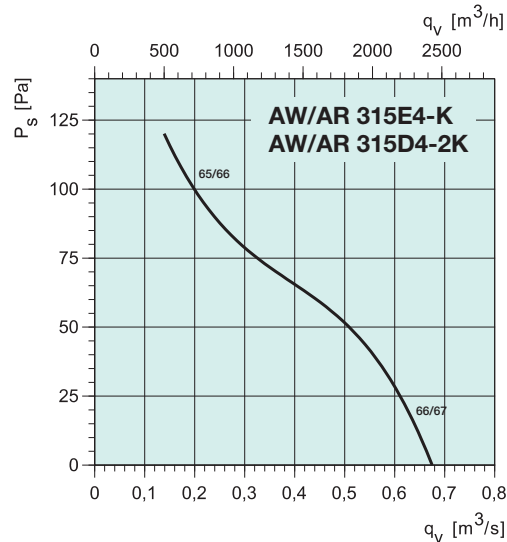
Measuring point:  $q_v = 0,42 \text{ m}^3/\text{s}$ ,  $P_s = 170 \text{ Pa}$

**AW/AR 300E4-K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet		65	56	57	58	58	57	55	51	47

Measuring point:  $q_v = 0,28 \text{ m}^3/\text{s}$ ,  $P_s = 75 \text{ Pa}$



**AW/AR 315E4-K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet		65	56	57	58	58	57	55	51	47

Measuring point:  $q_v = 0,14 \text{ m}^3/\text{s}$ ,  $P_s = 120 \text{ Pa}$

**AW/AR 315D4-2K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet		66	57	58	59	59	58	56	52	48

Measuring point:  $q_v = 0,28 \text{ m}^3/\text{s}$ ,  $P_s = 87 \text{ Pa}$



VK p. 476



GFL-AR p. 497



EV-AR p. 497



MFA-AR p. 497



SG-AW/AR p. 496



S-ET p. 464



AWE-SK p. 466



RTRE p. 454



RTRD/RTRDU p. 455



REU p. 454



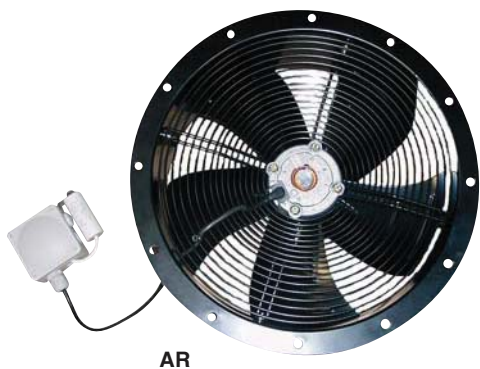
REE p. 455

## AW/AR 350/400

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

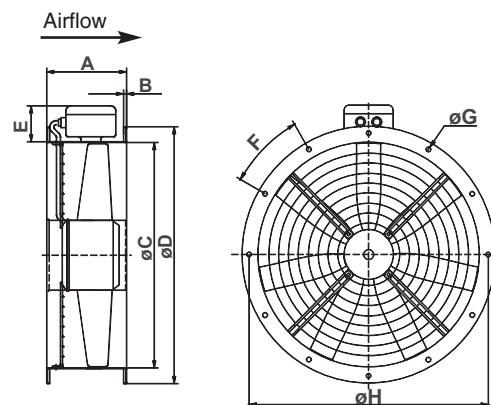
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing and impellers manufactured from galvanised steel, painted in standard black. The fans have sickle blade impellers.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

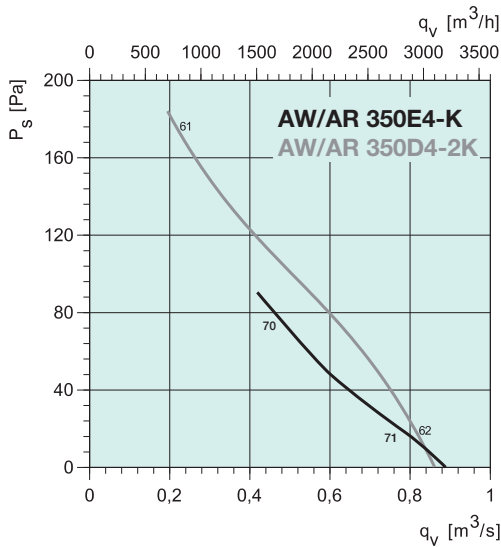


AW/AR		350E4-K	350D4-2K	400E4-K	400D4-2K
VoVoltage/Frequency	V/50 Hz	230	400	230	400
Phase	~	1	3	1	3
Power	W	130	120	160	169
Current	A	0,58	0,33	0,73	0,50
Maximum air flow	m <sup>3</sup> /s	0,88	0,86	1,17	1,11
Maximum air flow	m <sup>3</sup> /h	3150	3100	4200	4000
R.p.m.	min <sup>-1</sup>	1400	1420	1430	1450
Max. temp. of transported air	°C	40	55	40	40
" when speed-controlled	°C	40	55	40	40
Sound pressure level at 3 m	dB(A)	63	63	68	67
Weight	kg	6,4	6,4	7,9	7,9
Insulation class, motor		B	B	B	B
Enclosure class, motor		IP 44	IP 44	IP 44	IP 44
Capacitor	µF	4	-	6	-
Motor protection		S-ET 10	AWE-SK	S-ET 10	STDT 16
2-step switch 400V D/Y		-	S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRE 1,5	RTRD 2	RTRE 1,5	RTRD 2
Speed control, five-step high/low	Transformer	REU 1,5	RTRDU 2	REU 1,5	RTRDU 2
Speed control, stepless	Thyristor	REE 1	-	REE 1	-
Wiring diagram p. 11-17		5	16	5	16

Airflow →



	A	B	ØC	ØD	E	F	ØG	ØH
AR 350D4-2K	135	6	356	421	72	8x45°	9,5	395
AR 400D4-2K	155	6	400	466	72	12x30°	9,5	438



**AW/AR 350E4-K**

Mid-frequency band, Hz

Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet	dB(A)	70	61	62	63	63	62	60	56	52

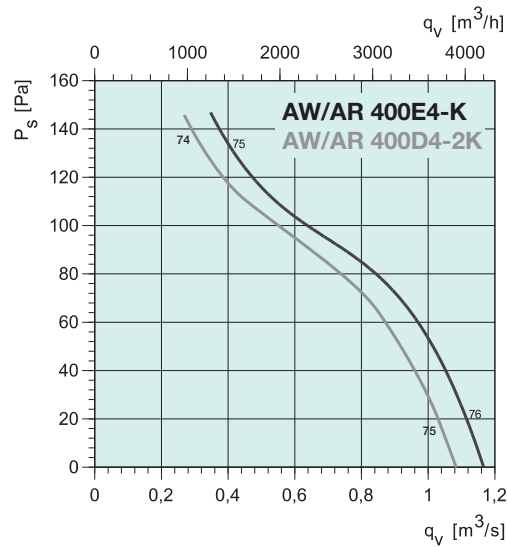
Measuring point:  $q_v = 0,54 \text{ m}^3/\text{s}$ ,  $P_s = 90 \text{ Pa}$

**AW/AR 350D4-2K**

Mid-frequency band, Hz

Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet	dB(A)	70	61	62	63	63	62	60	56	52

Measuring point:  $q_v = 0,44 \text{ m}^3/\text{s}$ ,  $P_s = 100 \text{ Pa}$



**AW/AR 400E4-K**

Mid-frequency band, Hz

Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet	dB(A)	75	66	67	68	68	67	65	61	57

Measuring point:  $q_v = 0,56 \text{ m}^3/\text{s}$ ,  $P_s = 108 \text{ Pa}$

**AW/AR 400D4-2K**

Mid-frequency band, Hz

Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet	dB(A)	74	65	66	67	67	66	64	60	56

Measuring point:  $q_v = 0,56 \text{ m}^3/\text{s}$ ,  $P_s = 100 \text{ Pa}$



VK p. 476



GFL-AR p. 497



EV-AR p. 497



MFA-AR p. 497



SG-AW/AR p. 496



S-ET p. 464



AWE-SK p. 466



RTR p. 454



RTRD/RTRDU p. 455



REU p. 454



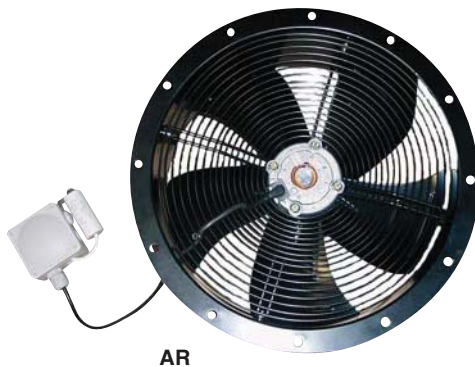
REE p. 455

## AW/AR 450

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

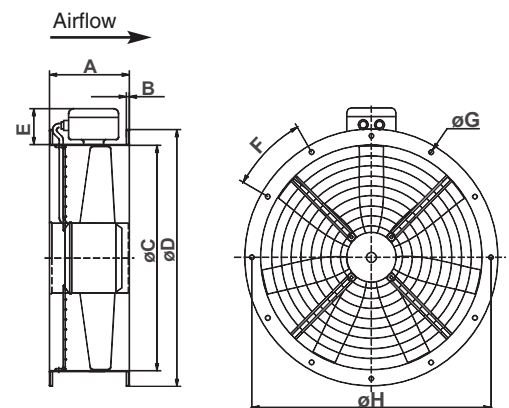
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing and impellers manufactured from galvanised steel, painted in standard black. The fans have sickle blade impellers.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

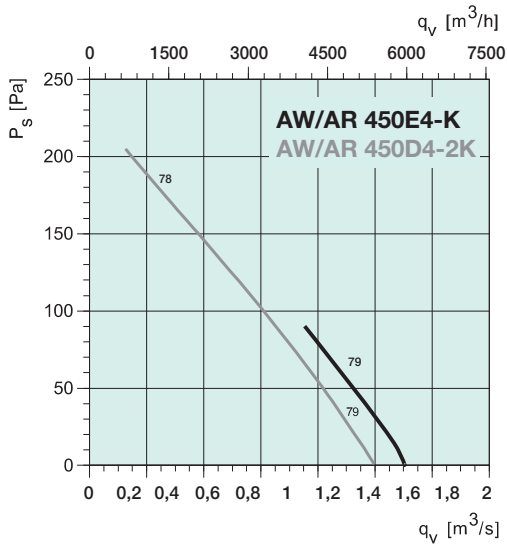


AW/AR		450E4-K	450D4-2K	450E4	450D4-2
Voltage/Frequency	V/50 Hz	230	400	230	400
Phase	~	1	3	1	3
Power	W	240	183	610	540
Current	A	1,10	0,42	2,80	1,05
Maximum air flow	m <sup>3</sup> /s	1,58	1,52	2,05	2,05
Maximum air flow	m <sup>3</sup> /h	5700	5472	7380	7380
R.p.m.	min <sup>-1</sup>	1400	1320	1310	1340
Max. temp. of transported air	°C	40	45	60	60
“ when speed-controlled	°C	40	45	60	60
Sound pressure level at 3 m	dB(A)	72	71	68	69
Weight	kg	9,5	9,0	7,9	7,9
Insulation class, motor		B	B	F	F
Enclosure class, motor		IP 44	IP 44	IP 54	IP 54
Capacitor	µF	8	-	6	-
Motor protection		S-ET 10	STDT 16	S-ET 10	STDT 16
2-step switch 400V D/Y		-	S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRE 1,5	RTRD 2	RTRE 3	RTRD 2
Speed control, five-step high/low	Transformer	REU 1,5	RTRDU 2	REU 3	RTRDU 2
Speed control, stepless	Thyristor	REE 2	-	REE 4	-
Wiring diagram p. 11-17		5	18	6	18

Airflow →



	A	B	øC	øD	E	F	øG	øH
AR 450D4-2K	160	6	451	515	72	12x30°	9,5	478
AR 450D4-2	160	6	451	515	72	12x30°	9,5	487
450E4	175	6	451	515	72	12x30°	9,5	487



**AW/AR 450E4-K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	79	70	71	72	72	71	69	65	61

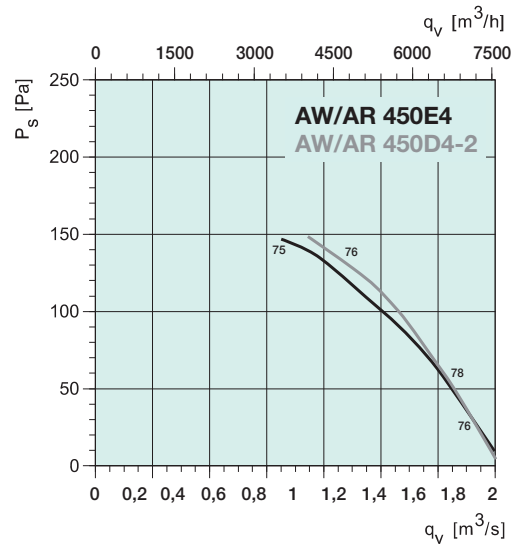
Measuring point:  $q_v = 1,14 \text{ m}^3/\text{s}$ ,  $P_s = 88 \text{ Pa}$

**AW/AR 450D4-2K**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	78	69	70	71	71	70	68	64	60

Measuring point:  $q_v = 0,71 \text{ m}^3/\text{s}$ ,  $P_s = 123 \text{ Pa}$



**AW/AR 450E4**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	75	66	67	68	68	67	65	61	57

Measuring point:  $q_v = 0,92 \text{ m}^3/\text{s}$ ,  $P_s = 145 \text{ Pa}$

**AW/AR 450D4-2**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	76	67	68	69	69	68	66	62	58

Measuring point:  $q_v = 1,11 \text{ m}^3/\text{s}$ ,  $P_s = 154 \text{ Pa}$





## AW/AR 500/560

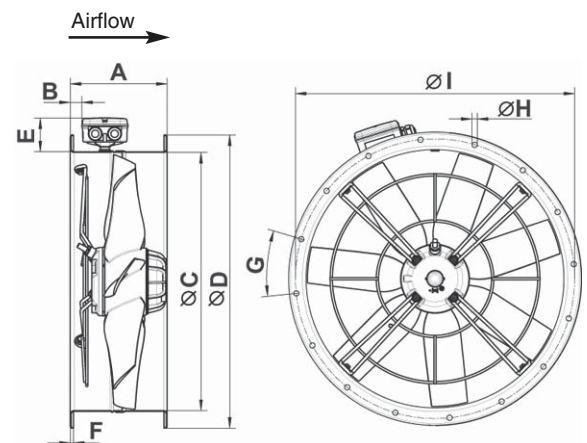


- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

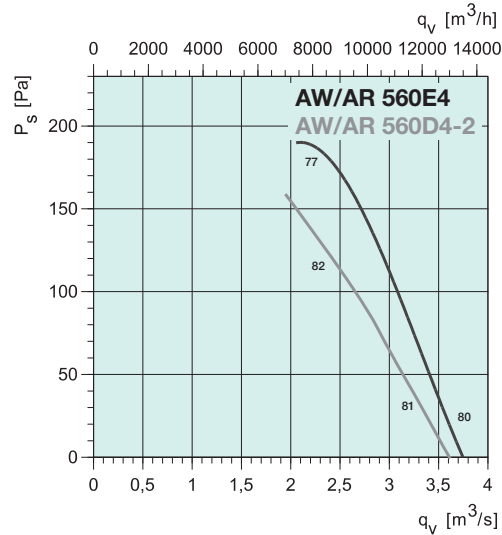
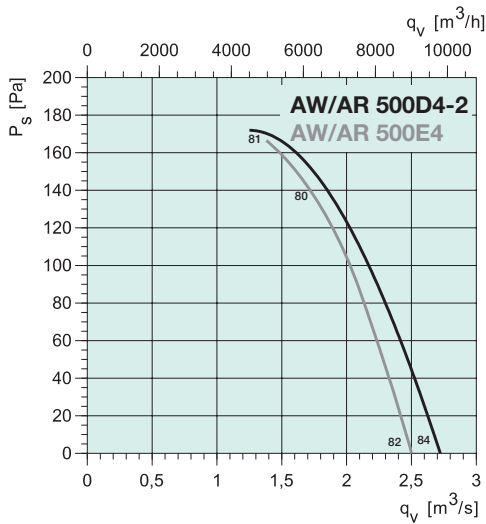
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing and impellers manufactured from die cast aluminium painted in standard black. Size 500 have sickle blade impellers, size 560 aerofoil blade impellers in die-cast aluminium.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

AW/AR		500E4	500D4-2	560E4	560D4-2
Voltage/Frequency	V/50 Hz	230	400	230	400
Phase	~	1	3	1	3
Power	W	780	780	1430	1000
Current	A	3,40	1,35	6,50	1,80
Maximum air flow	m <sup>3</sup> /s	2,50	2,51	3,74	3,43
Maximum air flow	m <sup>3</sup> /h	9000	9050	13460	12355
R.p.m.	min <sup>-1</sup>	1210	1320	1430	1220
Max. temp. of transported air	°C	60	65	50	50
“ when speed-controlled	°C	60	65	50	50
Sound pressure level at 3 m	dB(A)	73	69	76	75
Weight	kg	11,4/19,2	15,8/19,2	26,8/28,3	18,4/21
Insulation class, motor		F	F	F	F
Enclosure class, motor		IP 54	IP 54	IP 54	IP 54
Capacitor	µF	16	-	30	-
Motor protection		S-ET 10	STDT 16	S-ET 10	STDT 16
2-step switch 400V D/Y		-	S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRE 5	RTRD 2	RTRE 7	RTRD 2
Speed control, five-step high/low	Transformer	REU 5	RTRDU 2	REU 7	RTRDU 2
Speed control, stepless	Thyristor	REE 4	-	-	-
Wiring diagram p. 11-17		6	18	6	18



	A	B	øC	øD	E	F	G	øH	øI
AR 500D4-2	174	6	503	567	72	9,5	12x30°	11,5	541



**AW/AR 500E4**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	81	72	73	74	74	73	71	67	63

Measuring point:  $q_v = 1,67 \text{ m}^3/\text{s}$ ,  $P_s = 120 \text{ Pa}$

**AW/AR 560E4**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	82	73	74	75	75	74	72	68	64

Measuring point:  $q_v = 2,22 \text{ m}^3/\text{s}$ ,  $P_s = 145 \text{ Pa}$

**AW/AR 500D4-2**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	80	71	72	73	73	72	70	66	62

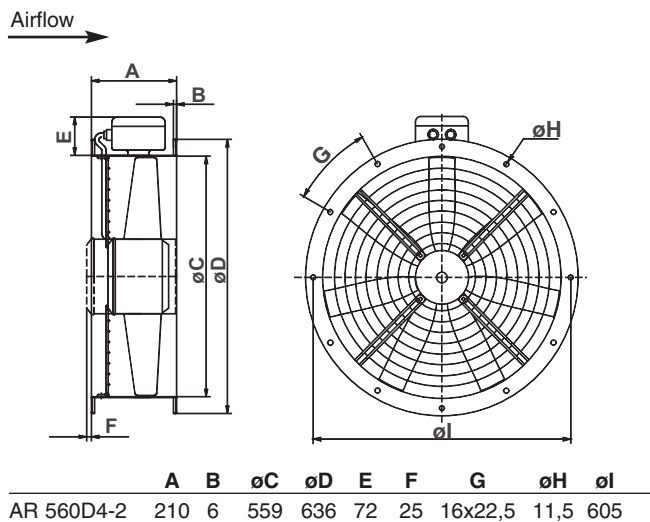
Measuring point:  $q_v = 1,39 \text{ m}^3/\text{s}$ ,  $P_s = 170 \text{ Pa}$

**AW/AR 560D4-2**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	82	73	74	75	75	74	72	68	64

Measuring point:  $q_v = 2,22 \text{ m}^3/\text{s}$ ,  $P_s = 145 \text{ Pa}$



## AW/AR 630

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

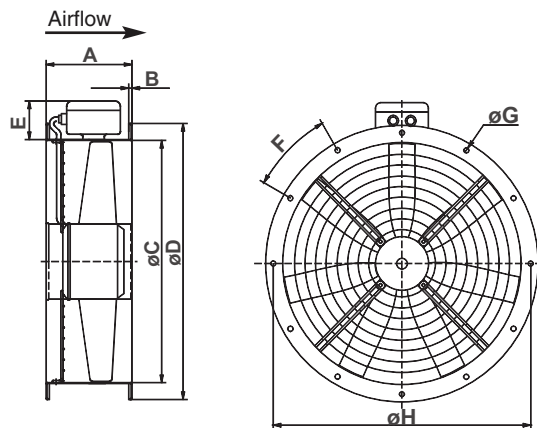
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing manufactured from galvanized steel, painted in standard black. The fans have aerofoil blade impellers in die cast aluminium painted in standard black.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

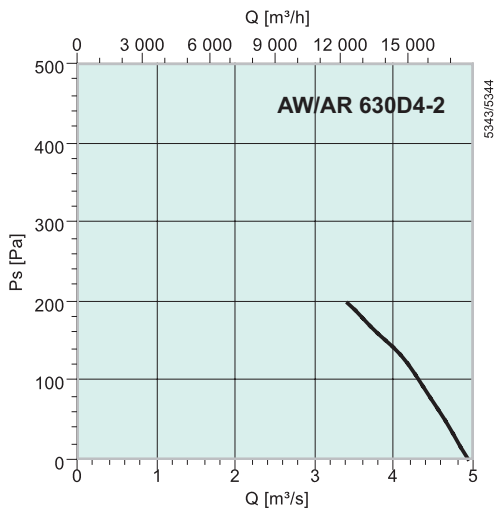


AR

AW/AR		630D4-2	630E6	630D6-2
Voltage/Frequency	V/50 Hz	400	230	400
Phase	~	3	1	3
Power	W	1900	600	560
Current	A	3,40	2,70	1,35
Maximum air flow	m <sup>3</sup> /s	4,95	3,36	3,36
Maximum air flow	m <sup>3</sup> /h	17800	12100	12100
R.p.m.	min <sup>-1</sup>	1340	880	900
Max. temp. of transported air	°C	60	60	60
“ when speed-controlled	°C	60	60	60
Sound pressure level at 3 m	dB(A)	83	72	71
Weight	kg	28,6/32	18,8	19,7/25
Insulation class, motor		F	F	F
Enclosure class, motor		IP 54	IP 54	IP 54
Capacitor	µF	-	12	-
Motor protection		STDT 16	S-ET 10	STDT 16
2-step switch 400V D/Y		S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRD 4	RTRE 3	RTRD 2
Speed control, five-step high/low	Transformer	RTRDU 4	REU 3	RTRDU 2
Speed control, stepless	Thyristor	-	REE 4	-
Wiring diagram p. 11-17		18	6	18



	A	B	øC	øD	E	F	øG	øH
AR 630D4-2	220	6	634	709	72	16x22,5°	11,5	674
AR 630D6-2	220	6	634	709	72	16x22,5°	11,5	674

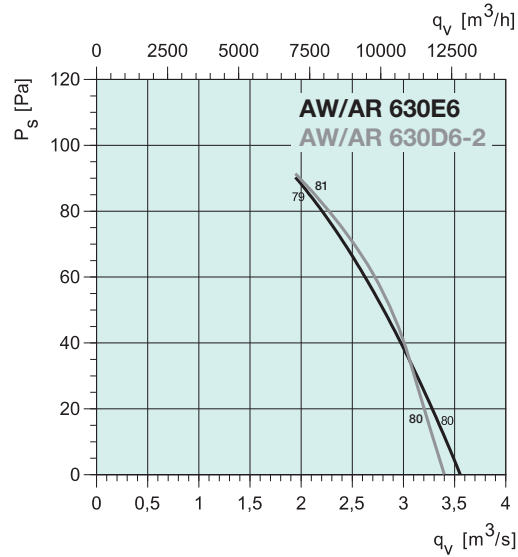


**AW/AR 630D4-2**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	90	81	82	83	83	82	80	76	72

Measuring point:  $q_v = 4,8 \text{ m}^3/\text{s}$ ,  $P_s = 83 \text{ Pa}$



**AW/AR 630E6**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	79	70	71	72	72	71	69	65	61

Measuring point:  $q_v = 3,1 \text{ m}^3/\text{s}$ ,  $P_s = 36 \text{ Pa}$

**AW/AR 630D6-2**

**Mid-frequency band, Hz**

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{wA}$ Inlet/Outlet	dB(A)	81	72	73	74	74	73	71	67	63

Measuring point:  $q_v = 3,1 \text{ m}^3/\text{s}$ ,  $P_s = 36 \text{ Pa}$



## AW/AR 710

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

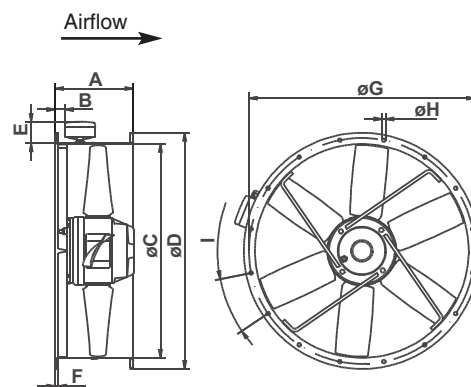
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing manufactured from galvanized steel, painted in standard black. The fans have aerofoil blade impellers in die cast aluminium painted in standard black.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

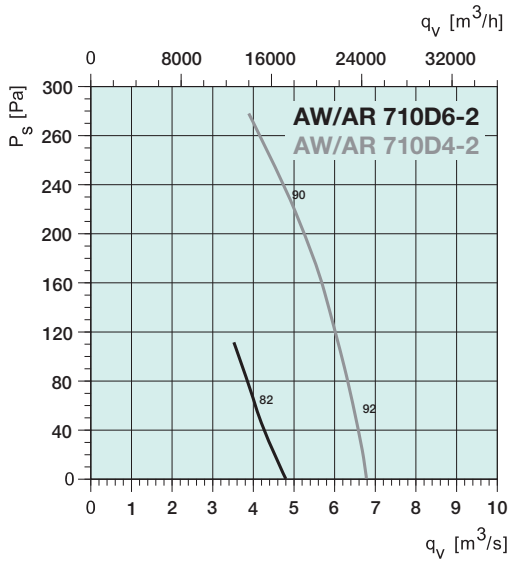


AR

AW/AR		710D4-2	710E6	710D6-2
Voltage/Frequency	V/50 Hz	400	230	400
Phase	~	3	1	3
Power	W	2900	890	890
Current	A	5,1	4,1	1,18
Maximum air flow	m <sup>3</sup> /s	6,54	4,56	4,58
Maximum air flow	m <sup>3</sup> /h	23560	16400	16500
R.p.m.	min <sup>-1</sup>	1320	850	890
Max. temp. of transported air	°C	65	60	65
“ when speed-controlled	°C	65	60	65
Sound pressure level at 3 m	dB(A)	83	74	65
Weight	kg	43/45	32	38,2/30,9
Insulation class, motor		F	F	F
Enclosure class, motor		IP 54	IP 54	IP 54
Capacitor	µF	-	16	-
Motor protection		STDT 16	S-ET 10	STDT 16
2-step switch 400V D/Y		S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRD 7	RTRE 5	RTRD 4
Speed control, five-step high/low	Transformer	RTRDU 7	REU 5	RTRDU 4
Speed control, stepless	Thyristor	-	REE 5	-
Wiring diagram p. 11-17		18	6	18



	A	B	øC	øD	E	F	øG	øH	I
AR 710D6-2	260	33	711	785	72	10	751	11,5	16x22,5°
AR 710D4-2	260	33	711	785	72	10	751	11,5	16x22,5°



**AW/AR 710D6-2**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	82	73	74	75	75	74	72	68	64

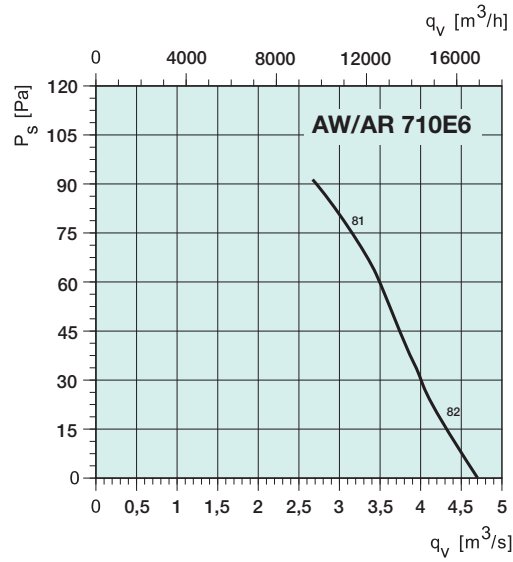
Measuring point:  $q_v = 4 \text{ m}^3/\text{s}$ ,  $P_s = 50 \text{ Pa}$

**AW/AR 710D4-2**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	90	71	66	8,0	82	86	85	79	69

Measuring point:  $q_v = 5 \text{ m}^3/\text{s}$ ,  $P_s = 220 \text{ Pa}$



**AW/AR 710E6**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
$L_{WA}$ Inlet/Outlet	dB(A)	81	72	73	74	74	73	71	67	63

Measuring point:  $q_v = 4 \text{ m}^3/\text{s}$ ,  $P_s = 42 \text{ Pa}$



VK p. 476



GFL-AR p. 497



EV-AR p. 497



MFA-AR p. 497



SG-AW/AR p. 496



S-ET/STDT p. 464



RTRE p. 454



RTRD/RTRDU p. 455



REU p. 454



S2S p. 464



REE p. 455

## AW/AR 800/1000

- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

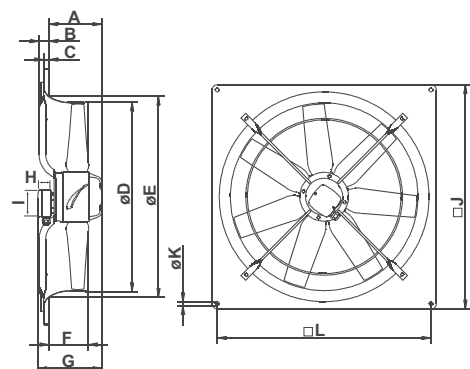
The AW/AR fans have speed controllable external rotor motors. AW fans have square plates for wall mounting, AR fans have round flanges for duct mounting. Casing manufactured from galvanised steel, painted in standard black. The fans have aerofoil blade impellers in die cast aluminium painted in standard black.

To protect the motors from overheating the fans have integral thermal contacts with external leads for connection to a motor protection device.

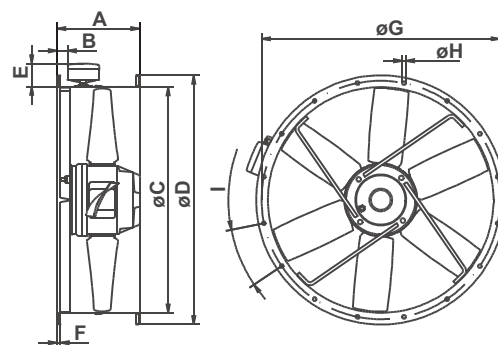


AW/AR		800D6-2	1000D6	1000D8-2
Voltage/Frequency	V/50 Hz	400	400	400
Phase	~	3	3	3
Power	W	1450	5500	2200
Current	A	2,70	10,5	4,2
Maximum air flow	m <sup>3</sup> /s	6,46	13,9	9,72
Maximum air flow	m <sup>3</sup> /h	23260	50000	35000
R.p.m.	min <sup>-1</sup>	895	935	670
Max. temp. of transported air	°C	60	60	70
“ when speed-controlled	°C	60	60	70
Sound pressure level at 3 m	dB(A)	75	91	79
Weight	kg	41	84/73	74/74,2
Insulation class, motor		F	F	F
Enclosure class, motor		IP 54	IP 54	IP 54
Capacitor	µF	-	-	-
Motor protection		STDT 16	STDT 16	STDT 16
2-step switch 400V D/Y		S-DT2 SKT	-	S-DT2 SKT
Speed control, five-step	Transformer	RTRD 4	-	RTRD 7
Speed control, five-step high/low	Transformer	-	-	RTRDU 7
Wiring diagram p. 11-17		18	18	18

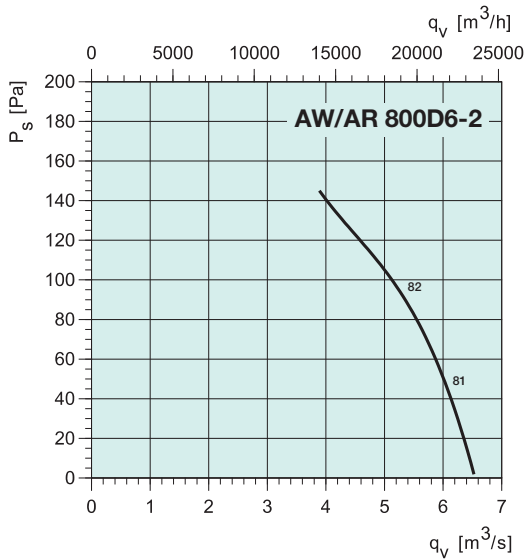
Airflow →



Airflow →



	A	B	ØC	ØD	E	F	ØG	ØH	I
AR 800D6-2	280	33	797	875	72	10	837	11,5	24x15°
AR 1000D6	376	40	1003	1079	61	5	1043	11,5	24x15°
AR 1000D8-2	330	40	1003	1079	64	5	1043	11,5	24x15°

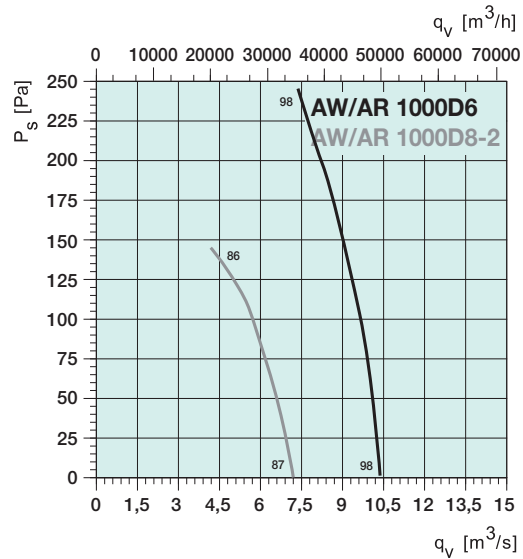


**AW/AR 800D6-2**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet		dB(A)	82	73	74	75	75	74	72	68	64

Measuring point:  $q_v = 5,8 \text{ m}^3/\text{s}$ ,  $P_s = 58 \text{ Pa}$



**AW/AR 1000D6**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet		dB(A)	98	89	90	91	91	90	88	84	80

Measuring point:  $q_v = 11,6 \text{ m}^3/\text{s}$ ,  $P_s = 110 \text{ Pa}$

**AW/AR 1000D8-2**

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k	
$L_{WA}$ Inlet/Outlet		dB(A)	86	77	78	79	79	78	76	72	68

Measuring point:  $q_v = 5,56 \text{ m}^3/\text{s}$ ,  $P_s = 149 \text{ Pa}$

