

Axial fans

AW

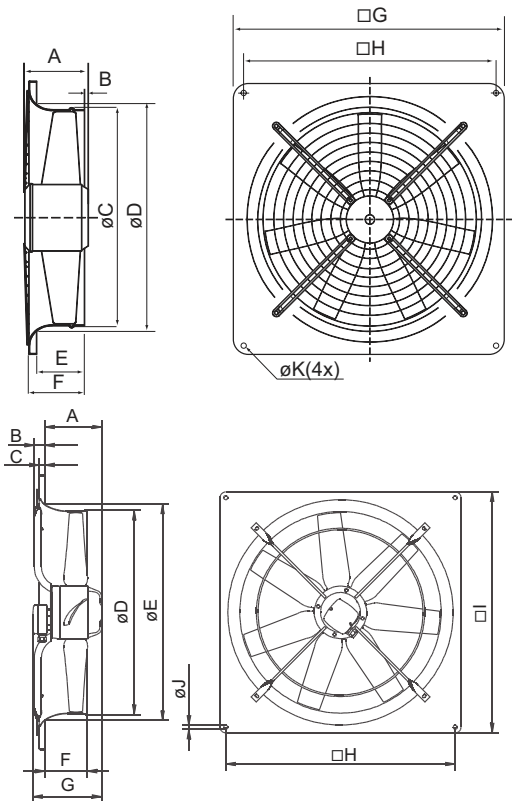
- Speed-controllable
- Integral thermal contacts
- Maintenance-free and reliable

The AW fans have speed controllable external rotor motors. AW fans have square plates for wall mounting. Casing from galvanised steel, painted in standard black. AW 200-450 have sickle blade impellers from galvanised steel, painted black. Size 500 has sickle blade, die-cast aluminium, sizes 560-800 have aerofoil, 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.

Tip

Perfect extract fan for overheating, for example compressor rooms.

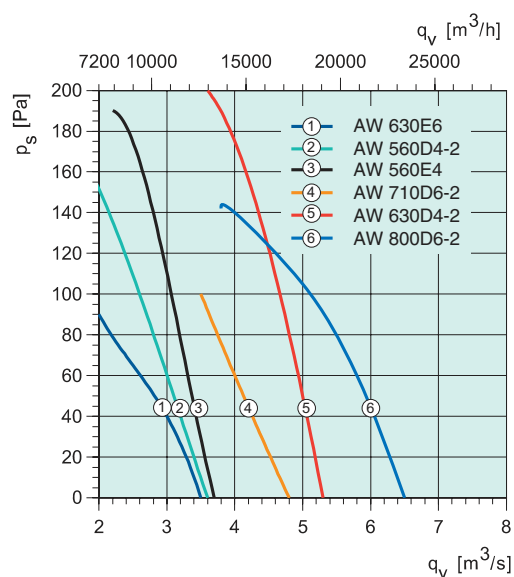
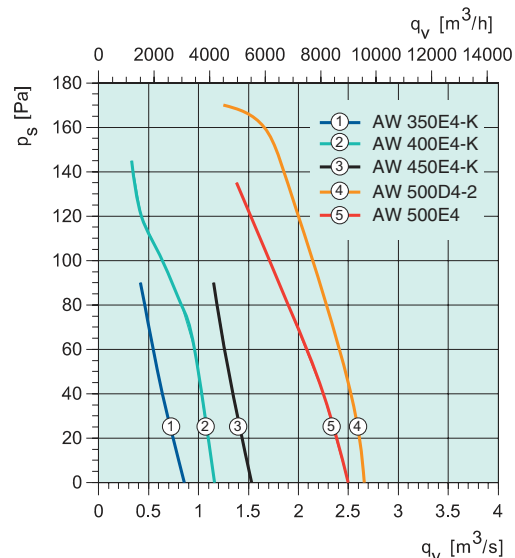
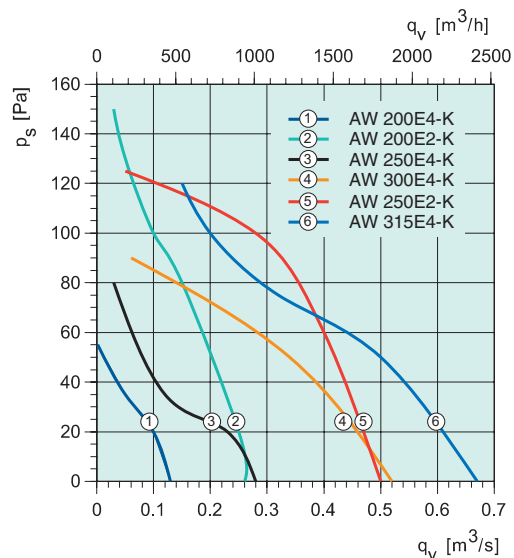


| AW | A | B | øC | øD | E | F | □G | □H | øK |
|--------------|-------|------|-----|-----|------|------|-----|-----|----|
| 200E2-K/E4-K | 71 | 10 | 203 | 210 | 46 | 52 | 312 | 260 | 7 |
| 250E2-K | 81 | 17 | 254 | 262 | 49 | 55 | 370 | 320 | 7 |
| 300E4-K | 113 | 24 | 326 | 310 | 69 | 80 | 430 | 380 | 9 |
| 315E4-K | 117.5 | 10.5 | 345 | 330 | 61.5 | 72.5 | 430 | 380 | 9 |
| 350E4-K | 139 | 24 | 388 | 381 | 68 | 80 | 485 | 435 | 9 |
| 400E4-K | 152 | 19 | 417 | 414 | 86 | 98 | 540 | 490 | 9 |
| 450E4-K | 165 | 24 | 465 | 500 | 84 | 100 | 575 | 535 | 11 |
| 500E4/D4-2 | 218 | 24 | 517 | 528 | 104 | 206 | 655 | 615 | 11 |
| 560E4/D4-2 | 215 | 49 | 568 | 589 | 120 | 135 | 725 | 675 | 11 |
| 630E6 | 205 | 24 | 643 | 670 | 130 | 150 | 805 | 750 | 11 |
| 630D4-2 | 225 | 64 | 643 | 664 | 130 | 150 | 805 | 750 | 11 |

| AW | A | B | C | øD | øE | F | G | □H | □I | øJ |
|---------|-----|----|----|-----|-----|-----|-----|-----|-----|------|
| 710D6-2 | 202 | 37 | 20 | 720 | 763 | 150 | 244 | 810 | 850 | 14.5 |
| 800D6-2 | 227 | 34 | 17 | 804 | 869 | 193 | 244 | 910 | 970 | 14.5 |

| AW(-K) | | 200E2 | 200E4 | 250E2 | 250E4 | 300E4 | 315E4 | 350E4 | 400E4 | 450E4 |
|------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Voltage/Frequency | V/50 Hz | 230~ | 230~ | 230~ | 230~ | 230~ | 230~ | 230~ | 230~ | 230~ |
| Power | W | 60 | 16 | 120 | 40 | 70 | 100 | 130 | 160 | 240 |
| Current | A | 0.30 | 0.07 | 0.53 | 0.21 | 0.32 | 0.52 | 0.58 | 0.73 | 1.10 |
| Maximum air flow | m ³ /h | 930 | 450 | 1800 | 950 | 1850 | 2450 | 3150 | 4200 | 5500 |
| R.p.m | min ⁻¹ | 2600 | 1300 | 2500 | 1400 | 1390 | 1410 | 1400 | 1430 | 1400 |
| Max temp. of transported air | °C | 70 | 75 | 60 | 45 | 60 | 55 | 40 | 40 | 40 |
| Sound pressure level at 3 m* | dB(A) | 58 | 41 | 69 | 53 | 58 | 58 | 63 | 68 | 72 |
| Weight | kg | 2.7 | 2.5 | 3.9 | 3.5 | 4.9 | 4.7 | 6.4 | 7.9 | 9.5 |
| Enclosure class, motor | IP | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| Capacitor | µF | 1.5 | - | 3 | 1.5 | 2 | 4 | 4 | 6 | 8 |

* $L_{WA}-7$ dB(A) = L_{pA} . 20 m² Sabine and 3 m distance to the fan. (L_{WA} = Sound power level, L_{pA} = Sound pressure level)



Speed controllers

| | Transformer | Thyristor | Motor protection |
|-----------------|------------------|-----------|------------------|
| AW 200E2-K/E4-K | RTRE 1.5/REU 1.5 | REE 1 | * |
| AW 250E2-K | RTRE 1.5/REU 1.5 | REE 1 | S-ET 10 |
| AW 250E4-K | RTRE 1.5/REU 1.5 | REE 1 | * |
| AW 300E4-K | RTRE 1.5/REU 1.5 | REE 1 | * |
| AW 315E4-K | RTRE 1.5/REU 1.5 | REE 1 | S-ET 10 |
| AW 350E4-K | RTRE 1.5/REU 1.5 | REE 1 | S-ET 10 |
| AW 400E4-K | RTRE 1.5/REU 1.5 | REE 1 | S-ET 10 |
| AW 450E4-K | RTRE 1.5/REU 1.5 | REE 2 | S-ET 10 |
| AW 500E4 | RTRE 5/REU 5 | REE 4 | S-ET 10 |
| AW 500D4-2 | RTRD 2/RTRDU 2 | - | STDT 16 |
| AW 560E4 | RTRE 7/REU 7 | - | S-ET 10 |
| AW 560D4-2 | RTRD 2/RTRDU 2 | - | STDT 16 |
| AW 630E6 | RTRE 3/REU 3 | REE 4 | S-ET 10 |
| AW 630D4-2 | RTRD 4/RTRDU 4 | - | STDT 16 |
| AW 710D6-2 | RTRD 4/RTRDU 4 | - | STDT 16 |
| AW 800D6-2 | RTRD 4/RTRDU 4 | - | STDT 16 |

* No need for external motor protection.

Other accessories, page 50.

| AW | | 500E4 | 500D4-2 | 560E4 | 560D4-2 | 630E6 | 630D4-2 | 710D6-2 | 800D6-2 |
|------------------------------|-------------------|-------|---------|-------|---------|-------|---------|---------|---------|
| Voltage/Frequency | V/50 Hz | 230~ | 400 3~ | 230~ | 400 3~ | 230~ | 400 3~ | 400 3~ | 400 3~ |
| Power | W | 770 | 780 | 1500 | 1000 | 600 | 1900 | 910 | 1450 |
| Current | A | 3.40 | 1.35 | 6.50 | 1.80 | 2.70 | 3.20 | 2.00 | 2.70 |
| Maximum air flow | m³/h | 9000 | 9600 | 13210 | 12490 | 12100 | 19200 | 16500 | 24000 |
| R.p.m | min ⁻¹ | 1400 | 1320 | 1430 | 1450 | 880 | 1340 | 890 | 900 |
| Max temp. of transported air | °C | 60 | 60 | 50 | 60 | 60 | 60 | 65 | 60 |
| Sound pressure level at 3 m* | dB(A) | 73 | 74 | 70 | 75 | 72 | 83 | 74 | 75 |
| Weight | kg | 11.4 | 15.8 | 26.8 | 18.4 | 18.8 | 18.6 | 38.2 | 41 |
| Enclosure class, motor | IP | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Capacitor | μF | 16 | - | 30 | - | 12 | - | - | - |