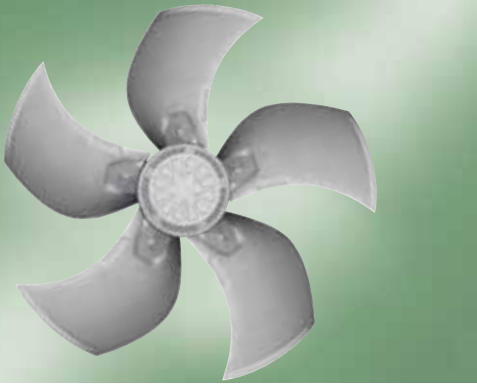


AC axial fans

S series, Ø 800



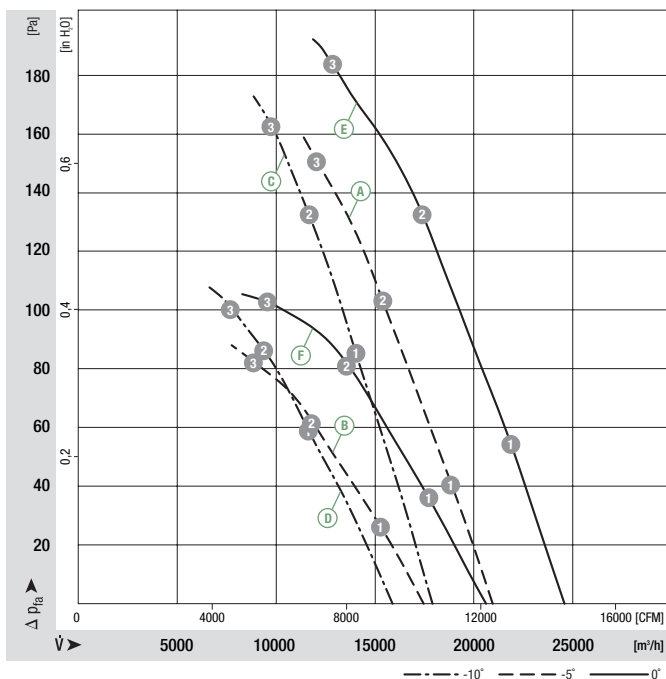
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

| Nominal data | | Blade angle | Curve | Nominal voltage | Frequency | Speed/rpm ⁽¹⁾ | Max. power input ⁽¹⁾ | Max. current draw ⁽¹⁾ | Capacitor | Max. operative range | Perm. amb. temp. | Electr. connection |
|--------------|------------|-------------|------------|----------------------|-----------|--------------------------|---------------------------------|----------------------------------|-----------|----------------------|--------------------------|--------------------|
| Type | Motor | | | VAC | Hz | rpm | kW | A | µF/VDB | Pa | °C | p. 416 f. |
| *6D 800 | M6D 138-HF | -5° | (A) (B) | 3~ 400 Δ 3~ 400 Y | 50 | 870 610 | 1.45 0.81 | 3.20 1.64 | — | 150 75 | -40 to +60 -40 to +60 | F1b)/F2b) |
| *6D 800 | M6D 138-HF | -10° | (C) (D) | 3~ 400 Δ 3~ 400 Y | 50 | 895 710 | 1.14 0.75 | 2.45 1.45 | — | 160 98 | -40 to +75 -40 to +75 | F1b)/F2b) |
| *6D 800 | M6D 138-LA | 0° | (E) (F) | 3~ 400 Δ 3~ 400 Y | 50 | 895 685 | 2.00 1.27 | 4.30 2.50 | — | 180 100 | -40 to +60 -40 to +60 | F1b)/F2b) |
| *6D 800 | M6D 138-NA | +5° | (G) (H) | 3~ 400 Δ 3~ 400 Y | 50 | 910 730 | 2.18 1.47 | 5.17 2.80 | — | 120 75 | -40 to +55 -40 to +55 | F1b)/F2b) |
| *6D 800 | M6D 138-NA | 0° | (I) (J) | 3~ 400 Δ 3~ 400 Y | 50 | 915 740 | 2.08 1.43 | 4.62 2.66 | — | 180 118 | -40 to +60 -40 to +60 | F1b)/F2b) |

subject to alterations

(1) Nominal data in operating point 3 with maximum load

Curves

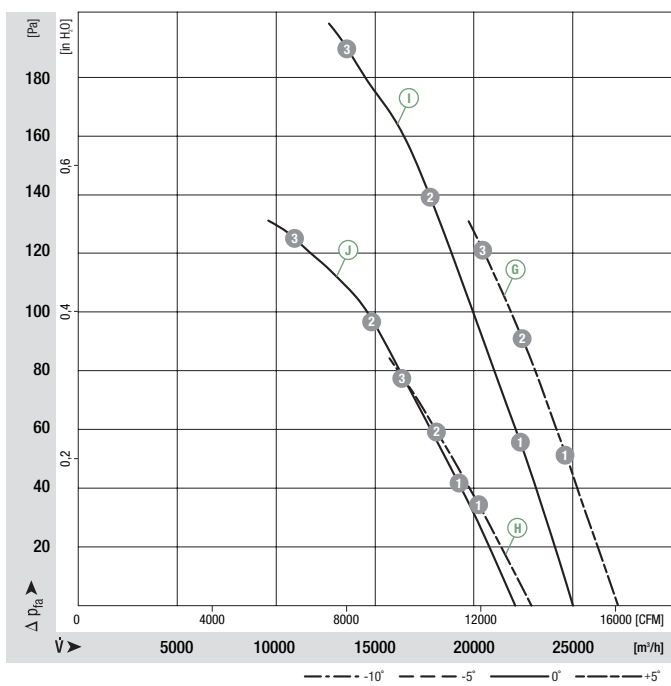


| | n [rpm] | P ₁ [kW] | I [A] | L _{wA} [dB(A)] |
|-------|---------|---------------------|-------|-------------------------|
| (A) 1 | 910 | 1.07 | 2.50 | 72 |
| (A) 2 | 890 | 1.23 | 2.69 | 72 |
| (A) 3 | 870 | 1.45 | 3.20 | 74 |
| (B) 1 | 745 | 0.72 | 1.35 | 68 |
| (B) 2 | 690 | 0.79 | 1.49 | 66 |
| (B) 3 | 610 | 0.81 | 1.64 | 67 |
| (C) 1 | 920 | 0.94 | 2.29 | 74 |
| (C) 2 | 910 | 1.04 | 2.40 | 75 |
| (C) 3 | 895 | 1.14 | 2.45 | 78 |
| (D) 1 | 770 | 0.66 | 1.24 | 70 |
| (D) 2 | 735 | 0.71 | 1.34 | 70 |
| (D) 3 | 710 | 0.75 | 1.45 | 71 |
| (E) 1 | 915 | 1.55 | 3.48 | 71 |
| (E) 2 | 900 | 1.75 | 3.72 | 72 |
| (E) 3 | 895 | 2.00 | 4.30 | 78 |
| (F) 1 | 750 | 1.08 | 2.02 | 68 |
| (F) 2 | 705 | 1.16 | 2.17 | 67 |
| (F) 3 | 685 | 1.27 | 2.50 | 72 |

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)

| Direction of air flow | < "V"/"A" > | | < "V"/"A" > | | < "V" > | | < "V" > | | "A" > | | "A" > | | < "V" > | |
|-----------------------|-------------------------|------------------|-------------------------|------------------|-----------------------------------|---|------------------------------------|---|-----------------------------------|---|------------------------------------|---|------------------|---|
| | Without attachments | | With full square nozzle | | With guard grille for full nozzle | | With guard grille for short nozzle | | With guard grille for full nozzle | | With guard grille for short nozzle | | In-line duct fan | |
| "V" | A6D 800-AN01 -01 | W6D 800-GN01 -01 | S6D 800-CN01 -01 | S6D 800-AN01 -01 | — | — | — | — | — | — | — | — | — | — |
| "A" | A6D 800-AN01 -02 | W6D 800-DN01 -02 | — | — | — | — | — | — | S6D 800-BN01 -02 | — | — | — | — | — |
| "V" | A6D 800-AO01 -01 | W6D 800-GO01 -01 | S6D 800-CO01 -01 | S6D 800-AO01 -01 | — | — | — | — | — | — | — | — | — | — |
| "A" | A6D 800-AO01 -02 | W6D 800-DO01 -02 | — | — | — | — | — | — | S6D 800-BO01 -02 | — | — | — | — | — |
| "V" | A6D 800-AJ01 -01 | W6D 800-GJ01 -01 | S6D 800-CJ01 -01 | S6D 800-AJ01 -01 | — | — | — | — | — | — | — | — | W6D 800-IJ01 -01 | — |
| "A" | A6D 800-AJ01 -02 | W6D 800-DJ01 -02 | — | — | — | — | — | — | S6D 800-BJ01 -02 | — | — | — | — | — |
| "V" | A6D 800-AS01 -01 | W6D 800-GS01 -01 | S6D 800-CS01 -01 | S6D 800-AS01 -01 | — | — | — | — | — | — | — | — | — | — |
| "A" | A6D 800-AS01 -02 | W6D 800-DS01 -02 | — | — | — | — | — | — | S6D 800-BS01 -02 | — | — | — | — | — |
| "V" | A6D 800-AP01 -01 | W6D 800-GP01 -01 | S6D 800-CP01 -01 | S6D 800-AP01 -01 | — | — | — | — | — | — | — | — | — | — |
| "A" | A6D 800-AP01 -02 | W6D 800-DP01 -02 | — | — | — | — | — | — | S6D 800-BP01 -02 | — | — | — | — | — |

Curves



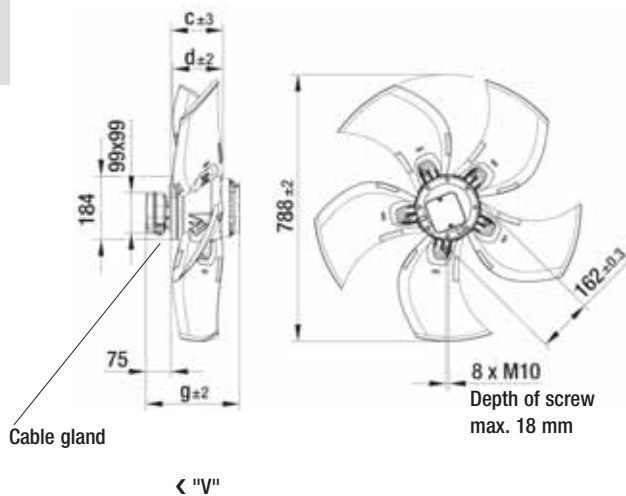
| | n [rpm] | P ₁ [kW] | I [A] | L _{wA} [dB(A)] |
|-----|---------|---------------------|-------|-------------------------|
| Ⓔ 1 | 920 | 2.01 | 4.99 | 74 |
| Ⓔ 2 | 915 | 2.11 | 5.15 | 74 |
| Ⓔ 3 | 910 | 2.18 | 5.17 | 75 |
| Ⓗ 1 | 755 | 1.40 | 2.68 | 69 |
| Ⓗ 2 | 740 | 1.44 | 2.75 | 69 |
| Ⓗ 3 | 730 | 1.47 | 2.80 | 71 |
| Ⓛ 1 | 940 | 1.63 | 4.26 | 72 |
| Ⓛ 2 | 925 | 1.85 | 4.47 | 73 |
| Ⓛ 3 | 915 | 2.08 | 4.62 | 79 |
| ⓵ 1 | 810 | 1.22 | 2.25 | 69 |
| ⓵ 2 | 775 | 1.33 | 2.44 | 70 |
| ⓵ 3 | 740 | 1.43 | 2.66 | 73 |

AC axial fans

S series, Ø 800, drawings for direction of air flow "V"



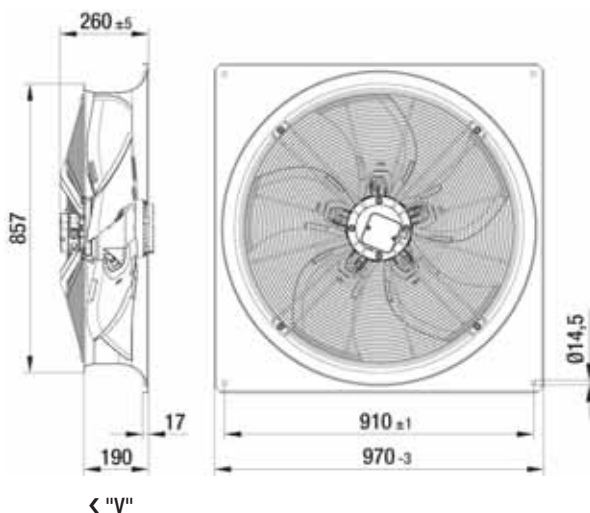
Without attachments



| Type | Mass [kg] | c | d | g |
|-------------------------|-------------|--------------|--------------|--------------|
| A6D 800-AN01 -01 | 22.0 | 147.0 | 133.0 | 251.0 |
| A6D 800-AO01 -01 | 22.0 | 142.0 | 118.0 | 251.0 |
| A6D 800-AJ01 -01 | 26.0 | 152.0 | 147.0 | 276.0 |
| A6D 800-AS01 -01 | 29.0 | 157.0 | 162.0 | 296.0 |
| A6D 800-AP01 -01 | 29.0 | 152.0 | 147.0 | 296.0 |
| A8D 800-AN01 -01 | 22.0 | 147.0 | 133.0 | 251.0 |
| A8D 800-AT03 -01 | 26.0 | 157.0 | 162.0 | 276.0 |
| A8D 800-AJ01 -01 | 26.0 | 152.0 | 147.0 | 276.0 |
| AZD 800-AM03 -01 | 22.0 | 152.0 | 147.0 | 251.0 |



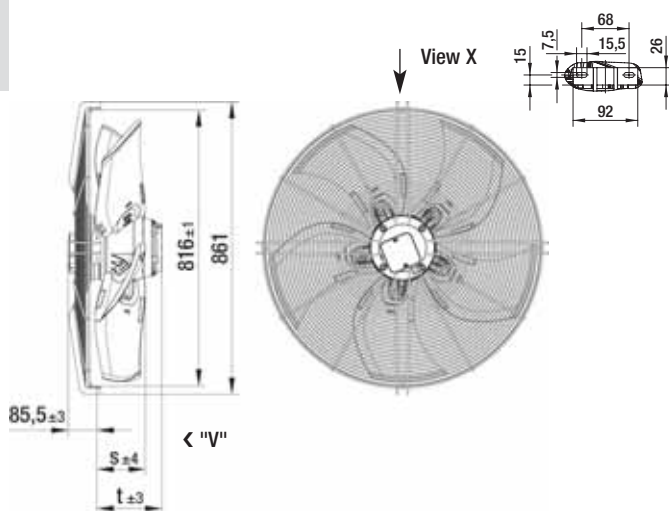
With full square nozzle



| Type | Mass [kg] |
|------------------|-----------|
| W6D 800-GN01 -01 | 42.0 |
| W6D 800-GO01 -01 | 42.0 |
| W6D 800-GJ01 -01 | 46.0 |
| W6D 800-GS01 -01 | 49.0 |
| W6D 800-GP01 -01 | 49.0 |
| W8D 800-GN01 -01 | 42.0 |
| W8D 800-GT03 -01 | 46.0 |
| W8D 800-GJ01 -01 | 46.0 |
| WZD 800-GM03 -01 | 42.0 |



With guard grille for full nozzle



| Type | Mass [kg] | s | t |
|------------------|-----------|-------|-------|
| S6D 800-CN01 -01 | 32.0 | 136.5 | 165.5 |
| S6D 800-CO01 -01 | 32.0 | 131.5 | 165.5 |
| S6D 800-CJ01 -01 | 36.0 | 141.5 | 190.5 |
| S6D 800-CS01 -01 | 39.0 | 146.5 | 210.5 |
| S6D 800-CP01 -01 | 39.0 | 141.5 | 210.5 |
| S8D 800-CN01 -01 | 32.0 | 136.5 | 165.5 |
| S8D 800-CT03 -01 | 36.0 | 146.5 | 190.5 |
| S8D 800-CJ01 -01 | 36.0 | 141.5 | 190.5 |
| SZD 800-CM03 -01 | 32.0 | 141.5 | 165.5 |