



Fan 3435 C 400-415V 50Hz

34301101

Fan 3435 M 400-415V 50Hz

34324101

Images

34301101



34324101

Technical data

| | | |
|----------------------------------|---------------------|----------------------------|
| Voltage: | 400 – 415 | [Δ V ac] +/-10% |
| Phase: | 3 | |
| Frequency: | 50 | [Hz] |
| Max. current: | 0,35 | [A] |
| Current (at 50 Pa and 50Hz): | 0,34 | [A] |
| Input power (at 50 Pa and 50Hz): | 157 | [W] |
| Shaft power (at 50 Pa and 50Hz): | 102 | [W] |
| Max. input power: | 167 | [W] |
| Max. air volume: | 3710 | [m ³ /h] |
| Max. pressure: | 86 | [pa] |
| Max. rotations: | 1437 | [RPM] |
| Poles: | 4 | |
| Cos phi: | 0,69 | |
| Controllable: | F | Frequency |
| Insulation class: | F | |
| Protection class: | IP 66 | |
| Sound production (calculated): | 61 (50) | [dB(A)] |
| Impeller: | 346 / 6 / 42,5 / 14 | D / n / ° / shaft diameter |
| Weight 34301101 (excl. pack.): | 11,6 / 24,6 | [Kg] / [lbs] |
| Weight 34324101 (excl. pack.): | 12,8 / 28,2 | [Kg] / [lbs] |

- Air density 1,2 kg/m³, 1 Pa (Pascal) = 1N/m² ~ 0,102 mm wk. (20°C).
- Sound production is calculated at 0 Pa and at a distance of 2 meter (the value between brackets is calculated at a distance of 7 meter).
- Measurement without protection grid.
- According to AMCA 210 / ISO 5801.
- Images may differ slightly from reality.

**Conformity****CE ErP 2015****Data according to ErP directive**

| | |
|--|--|
| Overall efficiency: | 35,5 [%] |
| Measurement category: | C |
| Efficiency category: | Static |
| Efficiency grade (N) at optimum energy efficiency | 46,7 |
| Variable speed drive VSD: | No |
| Year of manufacture: | See typelabel |
| Commercial registration number: | Fancom B.V. 12015669 Panningen (NL) |
| Model number: | 3435 50Hz |
| Input power at optimum energy efficiency point: | 167 [W] |
| Air volume at optimum energy efficiency point: | 2520 [m ³ /h] |
| Pressure at optimum energy efficiency point: | 86 [pa] |
| Rotations at optimum energy efficiency point: | 1421 [RPM] |
| Compressibility factor: | 0,9849 |
| Information on dismantling, recycling and disposal: | Observe the manual of this product |
| Information about environment and optimal live: | Observe the manual of this product |
| Description of additional items used when determining the fan energy efficiency: | No special items have been used |

Ambient climate

| | |
|------------------------------|--|
| Operating temperature range: | 0°C to +40°C (32°F to +104°F) |
| Storage temperature range: | -10°C to +50°C (14°F to +122°F) |
| Relative humidity: | <95%, uncondensed |

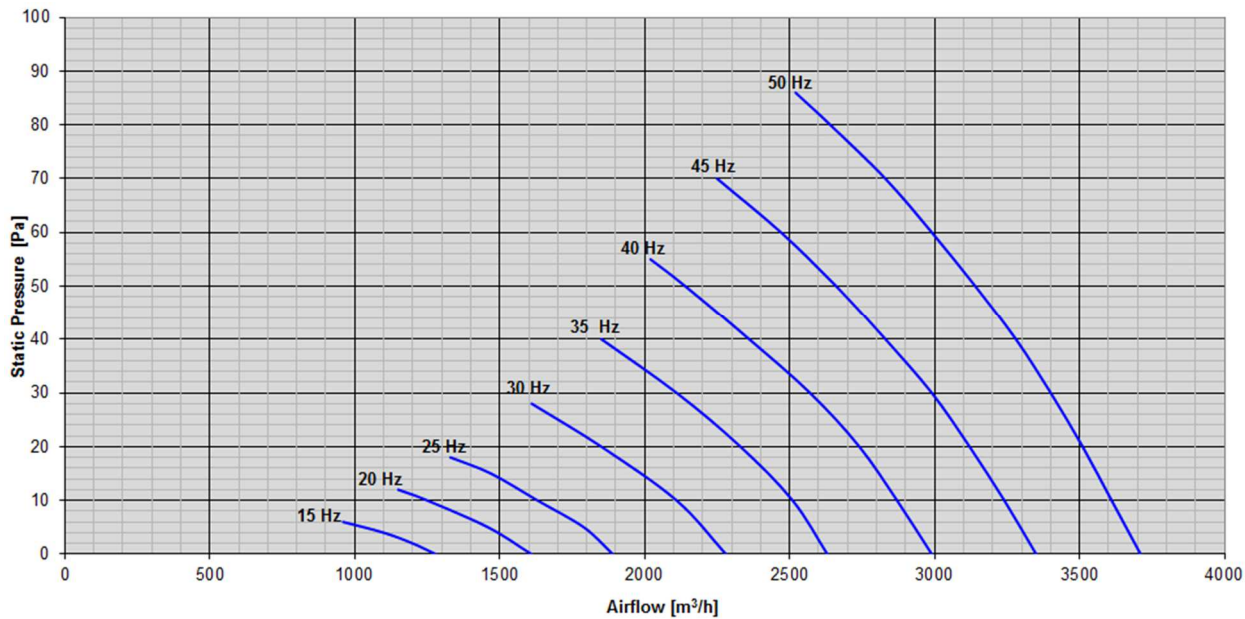


Specifications Fan 3435 50Hz

| Frequentie Frequency | Druk Pressure | Debiet Airflow | Toerental Rotations | Vermogen Power | Stroom Current | Luchtsnel. Airspeed | Tot. Rendement Tot. Efficiency | Spec. Verm. Spec. Power |
|-------------------------|------------------|---|------------------------|-------------------|-------------------|------------------------|-----------------------------------|----------------------------|
| F | p | V | RPM | P | I | v | η_{tot} | P_{spec} |
| [Hz] | [Pa] | [m ³ /h] [m ³ /s] | [1/min] | [W] | [A] | [m/s] | [% at 20°C] | [W/1000m ³ /h] |
| 50 | 0 | 3710 1.03 | 1437 | 139 | 0.32 | 10.7 | 51.0 | 37.5 |
| | 10 | 3610 1.00 | 1435 | 143 | 0.33 | 10.4 | 52.7 | 39.6 |
| | 20 | 3510 0.98 | 1432 | 147 | 0.33 | 10.1 | 54.1 | 41.9 |
| | 30 | 3400 0.94 | 1430 | 151 | 0.34 | 9.8 | 54.9 | 44.4 |
| | 40 | 3280 0.91 | 1428 | 154 | 0.34 | 9.5 | 55.5 | 47.0 |
| | 50 | 3140 0.87 | 1426 | 157 | 0.34 | 9.1 | 55.2 | 50.0 |
| | 60 | 2990 0.83 | 1424 | 160 | 0.35 | 8.6 | 54.4 | 53.5 |
| | 70 | 2830 0.79 | 1422 | 163 | 0.35 | 8.2 | 53.1 | 57.6 |
| | 80 | 2640 0.73 | 1421 | 165 | 0.35 | 7.6 | 51.0 | 62.5 |
| | 86 | 2520 0.70 | 1421 | 167 | 0.35 | 7.3 | 49.4 | 66.3 |
| 45 | 0 | 3350 0.93 | 1281 | 107 | 0.30 | 9.7 | 48.8 | 31.9 |
| | 10 | 3240 0.90 | 1279 | 111 | 0.31 | 9.4 | 50.7 | 34.3 |
| | 20 | 3120 0.87 | 1276 | 114 | 0.31 | 9.0 | 52.2 | 36.5 |
| | 30 | 2990 0.83 | 1273 | 118 | 0.31 | 8.6 | 52.6 | 39.5 |
| | 40 | 2830 0.79 | 1270 | 120 | 0.32 | 8.2 | 52.4 | 42.4 |
| | 50 | 2660 0.74 | 1268 | 123 | 0.32 | 7.7 | 51.3 | 46.2 |
| | 60 | 2470 0.69 | 1266 | 125 | 0.32 | 7.1 | 49.7 | 50.6 |
| | 70 | 2250 0.63 | 1265 | 127 | 0.33 | 6.5 | 46.9 | 56.4 |
| 40 | 0 | 2990 0.83 | 1131 | 81 | 0.28 | 8.6 | 45.8 | 27.1 |
| | 10 | 2870 0.80 | 1127 | 85 | 0.28 | 8.3 | 48.0 | 29.6 |
| | 20 | 2740 0.76 | 1123 | 88 | 0.29 | 7.9 | 49.8 | 32.1 |
| | 30 | 2570 0.71 | 1120 | 91 | 0.29 | 7.4 | 49.4 | 35.4 |
| | 40 | 2360 0.66 | 1117 | 93 | 0.30 | 6.8 | 47.8 | 39.4 |
| | 50 | 2140 0.59 | 1115 | 94 | 0.30 | 6.2 | 46.1 | 43.9 |
| | 55 | 2020 0.56 | 1115 | 95 | 0.30 | 5.8 | 44.5 | 47.0 |
| 35 | 0 | 2630 0.73 | 979 | 61 | 0.26 | 7.6 | 41.4 | 23.2 |
| | 10 | 2510 0.70 | 975 | 63 | 0.26 | 7.2 | 45.9 | 25.1 |
| | 20 | 2330 0.65 | 971 | 65 | 0.27 | 6.7 | 47.0 | 27.9 |
| | 30 | 2110 0.59 | 967 | 67 | 0.27 | 6.1 | 45.7 | 31.8 |
| | 40 | 1850 0.51 | 965 | 68 | 0.27 | 5.3 | 43.2 | 36.8 |
| 30 | 0 | 2280 0.63 | 823 | 41 | 0.23 | 6.6 | 40.2 | 18.0 |
| | 10 | 2110 0.59 | 815 | 44 | 0.24 | 6.1 | 43.0 | 20.9 |
| | 20 | 1850 0.51 | 808 | 46 | 0.25 | 5.3 | 41.5 | 24.9 |
| | 28 | 1610 0.45 | 804 | 47 | 0.25 | 4.6 | 39.0 | 29.2 |
| 25 | 0 | 1890 0.53 | 662 | 28 | 0.22 | 5.5 | 33.5 | 14.8 |
| | 5 | 1790 0.50 | 656 | 29 | 0.22 | 5.2 | 36.0 | 16.2 |
| | 10 | 1630 0.45 | 650 | 30 | 0.23 | 4.7 | 35.1 | 18.4 |
| | 15 | 1470 0.41 | 645 | 31 | 0.23 | 4.2 | 34.0 | 21.1 |
| | 18 | 1330 0.37 | 644 | 31 | 0.23 | 3.8 | 32.0 | 23.3 |
| 20 | 0 | 1610 0.45 | 533 | 20 | 0.20 | 4.6 | 29.0 | 12.4 |
| | 5 | 1460 0.41 | 526 | 21 | 0.20 | 4.2 | 30.2 | 14.4 |
| | 10 | 1250 0.35 | 520 | 21 | 0.20 | 3.6 | 29.5 | 16.8 |
| | 12 | 1150 0.32 | 519 | 22 | 0.21 | 3.3 | 27.0 | 19.1 |
| 15 | 0 | 1280 0.36 | 388 | 13 | 0.18 | 3.7 | 22.4 | 10.2 |
| | 2 | 1200 0.33 | 384 | 14 | 0.18 | 3.5 | 21.9 | 11.7 |
| | 4 | 1100 0.31 | 380 | 14 | 0.18 | 3.2 | 21.9 | 12.7 |
| | 6 | 960 0.27 | 377 | 15 | 0.19 | 2.8 | 18.9 | 15.6 |



Fan characteristic



Specific power

