



sivent

FANS



2CC and 2CQ
Axial Fans



SIEMENS



Related catalogs

Low-Voltage Controls and Distribution SIRIUS · SENTRON · SIVACON

Order No.:

Catalog
E86060-K1002-A101-A5-7600 LV 1

Technical Information
E86060-T1002-A101-A5-7600 LV 1 T

available from March 2006



Industrial Communication Industrial Communication for Automation and Drives

IK PI

Order No.:

E86060-K6710-A101-B4-7600



Contactor and contactor assemblies • Semiconductor switching devices • Protective devices • Control devices • Load feeders, motor starters, soft starters • Monitoring and control devices • Control and signaling devices • Power supplies • Terminal blocks ALPHA FIX • Planning and configuration with SIRIUS • SIVACON Power Distribution Boards Busway and Cubicle Systems • SENTRON Switching and Protection Devices for Power Distribution: Air Circuit-Breakers, Molded-Case Circuit-Breakers, Switch Disconnectors • Planning, Design and Management with SIMARIS • BETA protect Modular Installation devices

SIDAC Reactors and Filters

LV 60

Order No.:

E86060-K2803-A101-A3-7600



Industrial Ethernet in accordance with IEEE 802.3 • Industrial mobile communication • Industrial Ethernet to IEEE 802.3 • PROFIBUS to IEC 61158/EN 50170 • ET 200 distributed I/O • AS-Interface • Remote operation with SINAUT ST7 • Routers • ECOFAST system

SIVACON 8PS Busbar Trunking Systems CD, BD01, BD2 to 1,250 A

LV 70

Order No.:

E86060-K1870-A101-A2-7600



Commutating reactors for converters • Main reactors for frequency converters • Iron-core output reactors • Ferrite output reactors • Iron-core smoothing reactors • Smoothing air-core reactors • Filter reactors • Application-specific reactors • Radio interference suppression filters • dv/dt filters • Sine-wave filters

Automation & Drives The A&D Offline Mall

CA 01

Order No.:

E86060-D4001-A110-C4-7600



Busbar trunking systems, overview • CD system (25 A to 40 A) • BD01 system (40 A to 160 A) • BD2 system (160 A to 1250 A)

A&D Mall

Internet:

<http://www.siemens.com/automation/mall>



All the products from Automation and Drives including the products from the catalogs listed above.

All the products from Automation and Drives including the products from the catalogs listed above.

Registered trademarks

Any product names mentioned may be trademarks or product designations of Siemens or their suppliers, whose use by third parties for their own purposes may infringe the rights of the trademark owners.

For further information about low-voltage switchgear on the Internet, see:

<http://www.siemens.com/lowvoltage>

Technical Assistance

Tel.: +49 (0) 911 895 - 5900

Fax.: +49 (0) 911 895 - 5907

E-mail: technical-assistance@siemens.com

SIVENT fans 2CC and 2CQ axial fans

Catalog LV 65 · 2006



Valid from 10/2005

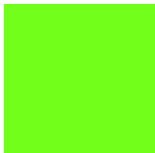
Invalid:
Catalog V · 1995

Contact your local Siemens
representative for further information

© Siemens AG 2006



The products and systems contained in this catalogue are all manufactured according to a TÜV-certified quality management system (TÜV = German Technical Inspectorate) to DIN EN ISO 9001 (certificate registration no. 12 100 16950). The TÜV certificate is recognised in all IQ Net countries.



SIEMENS

Introduction

1

2CC low-pressure
axial fans

2

2CQ medium-pressure
axial fans

3

Appendix

4

Delivery times (DT)

| | | | |
|---|----------------|--|--|
| A | 2 working days | Normal quantities of the products are usually delivered within the specified time following receipt of your order at our branch. | The delivery periods apply up to the ramp at Siemens AG (products ready for dispatch). The transport times depend on the destination and type of shipping. The standard transport time for Germany is 1 day. |
| B | 1 week | | |
| C | 3 weeks | In exceptional cases, the actual delivery period may differ from that specified. | The delivery times specified here represent the situation in October 2005. They are continuously optimized. |
| D | 6 weeks | | |
| X | On request | | |

Packaging size (PS)

The packaging size defines the number of units, sets or meters, for example, for outer packaging. Only the quantity defined by the packaging size or a multiple thereof can be ordered!

Dimensions

All dimensions in mm.

Information

More information about fans can be found on the Internet at
<http://www.siemens.com/sivent>

If you have any questions, please send an e-mail to:
sivent@brmr.siemens.com
or fax: +49 (0)421/5125 635.

Introduction



| | |
|------|--|
| 1/2 | Welcome to Automation and Drives |
| 1/4 | Totally Integrated Automation – innovations for more productivity |
| 1/6 | Totally Integrated Power – energy distribution and management from one source |
| 1/8 | Low-voltage controls and distribution. The basis for progressive solutions. |
| 1/10 | SIVENT fans |

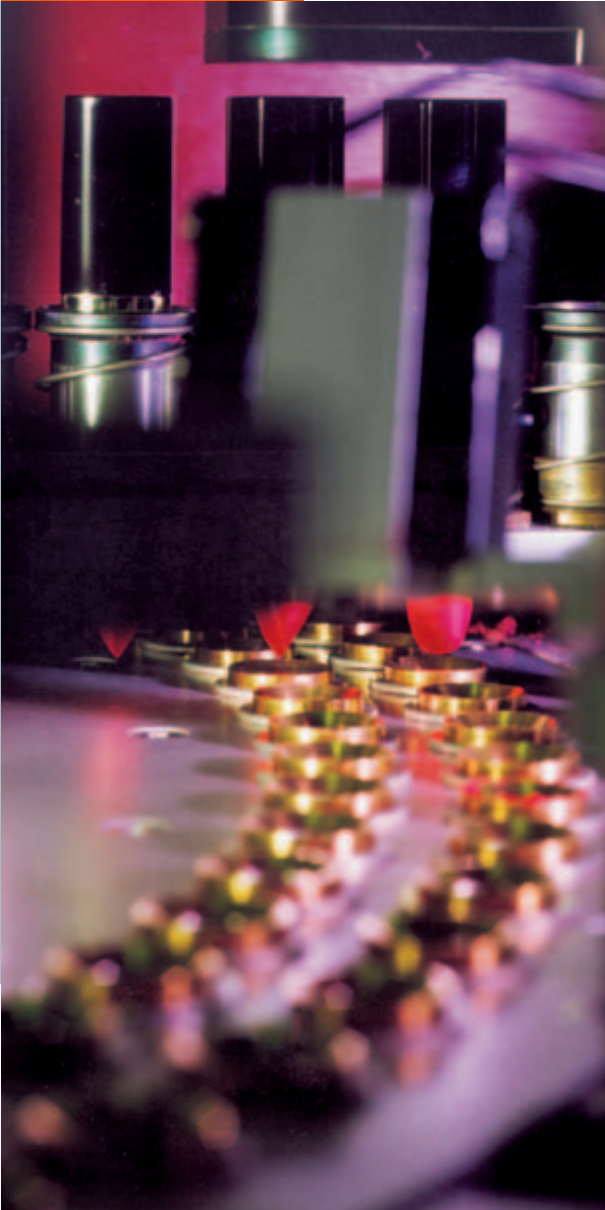
Welcome to Automation and Drives

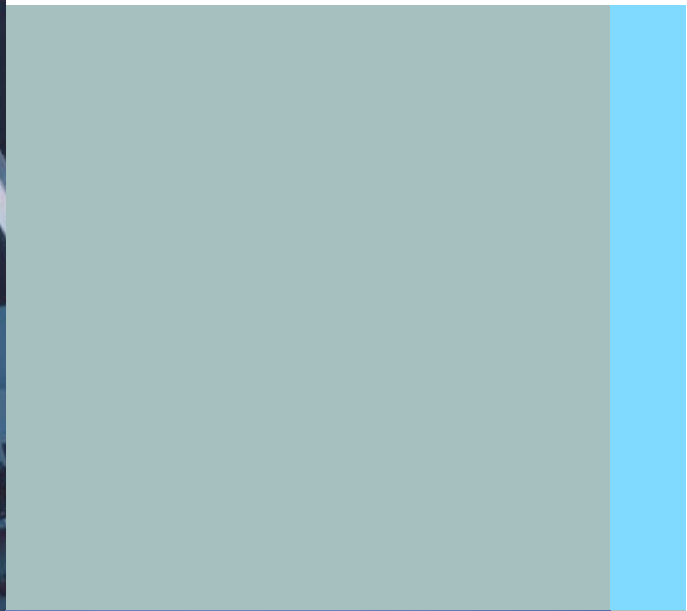
We would like to welcome you to Automation and Drives and our comprehensive range of products, systems, solutions and services for production and process automation and building technology worldwide.

With Totally Integrated Automation and Totally Integrated Power, we deliver solution platforms based on standards that offer you a considerable savings potential.

Discover the world of our technology now. If you need more detailed information, please contact one of your regional Siemens partners.

They will be glad to assist you.





Totally Integrated Automation – innovations for more productivity

With the launch of Totally Integrated Automation, we were the first ones on the market to consistently implement the trend from equipment to an integrated automation solution, and have continuously improved the system ever since.

Whether your industry is process- and production-oriented or a hybrid, Totally Integrated Automation is a unique "common solution" platform that covers all the sectors.

Totally Integrated Automation is an integrated platform for the entire production line - from receiving to technical processing

ERP
Enterprise
Resource
Planning



Ethernet

MES
Manufacturing
Execution
Systems

Ethernet

Production
Order
Management

Material
Management



Production
Operations
Recording

Equipment
Management



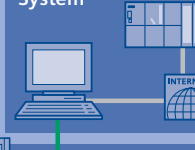
Control

SIMATIC NET
Industrial
Communication

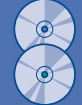
SINAUT Telecontrol
System

SIMATIC
Software

SIMATIC Controllers/
Automation System



SIMATIC
Sensors



Industrial
Ethernet

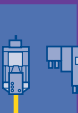
Safety Integrated



PROFIBUS



PC-based Automation



AS-Interface



Building
Technology



GAMMA *instabus*

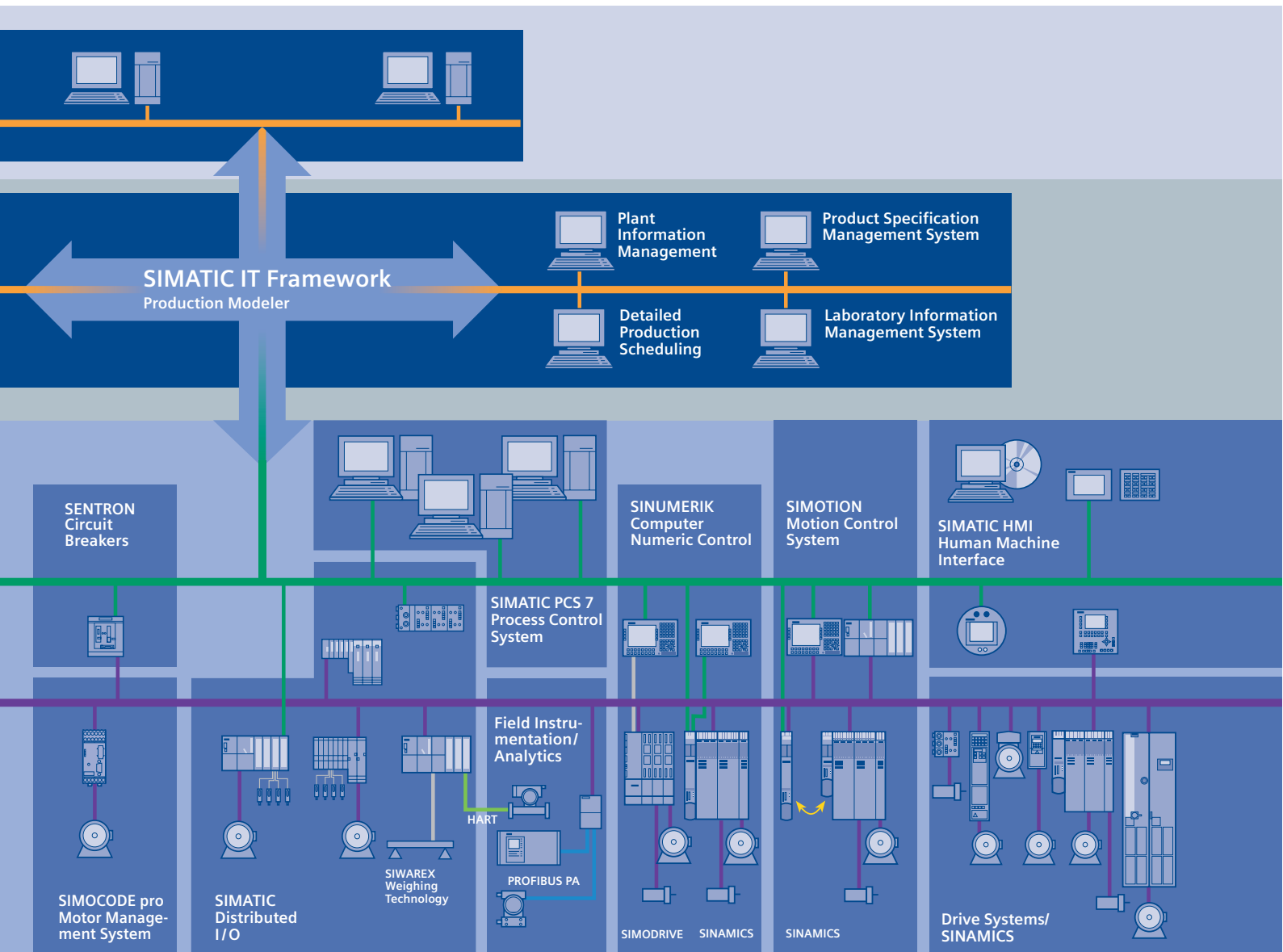


Micro-Automation and
Actuator-Sensor Interface Level

ECOFAST IP65
Distributed
Automation System

and production areas to shipping. Thanks to the system-oriented engineering environment, integrated, open communications as well as intelligent diagnostics options, your plant now benefits in every phase of the life cycle.

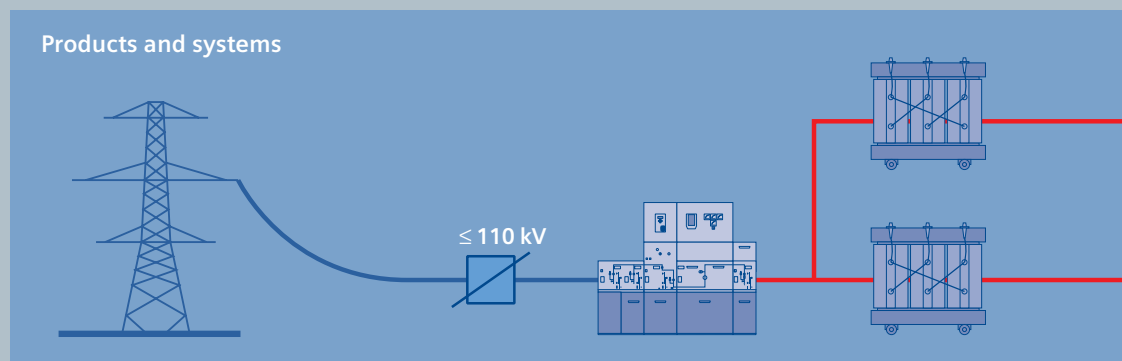
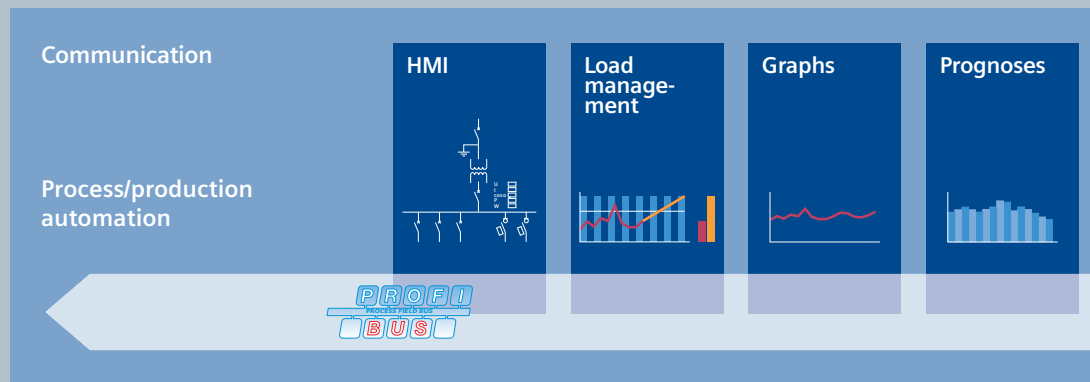
In fact, to this day we are the only company worldwide that can offer a control system based on an integrated platform for both the production and process industry.



Totally Integrated Power – energy distribution and management from one source

Totally Integrated Power by Siemens offers integrated solutions for energy distribution in functional and industrial buildings covering everything from medium-high voltage to power outlets.

Totally Integrated Power is based on integration in planning and configuration as well as coordinated products and systems. In addition, it features communications and software modules for connecting power distribution systems to industrial automation and building automation, thereby offering a substantial savings potential.



Maintenance

- Substation
- Distribution
- Maintenance task

Hall 1: Air conditioning system check-up
Distribution 3: Replacing circuit breaker contacts
Infeed II: Replacing meters

Message/error management



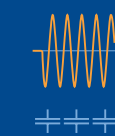
Selective protection



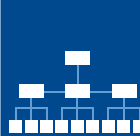
Protocols

| Protocol | Device | Status |
|----------|--------|---------|
| Modbus | PLC | OK |
| Profibus | Switch | Warning |
| KNX | Light | OK |
| KNX | Switch | Warning |
| KNX | Dimmer | OK |

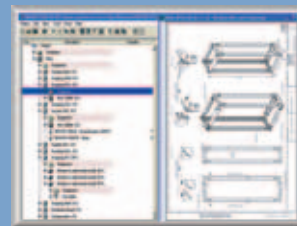
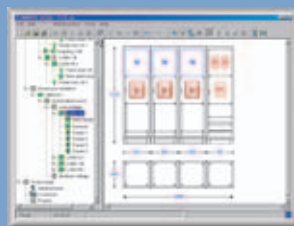
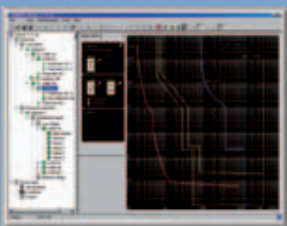
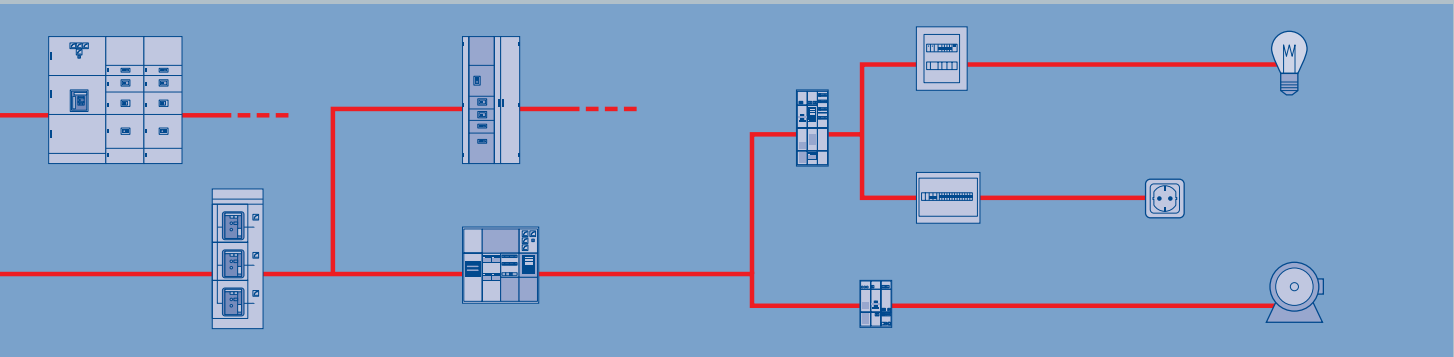
Power quality



Cost center



Building automation

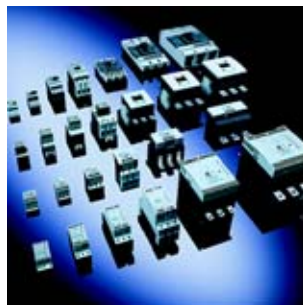


Low-voltage controls and distribution. The basis for progressive solutions.

The requirements in the field of low-voltage controls and distribution are high: Cost-effective solutions are required that can be easily integrated into switchgear cabinets, distribution boards or distributed systems and that can communicate with each other perfectly. Siemens has the answer to this, with SIRIUS industrial switchgear and low-voltage power distribution with SIVACON, SENTRON and SIMARIS.

SIRIUS industrial switchgear

In the SIRIUS product family, you will find everything that you require for switching, protecting and starting loads. Products for monitoring, controlling, sensing, signaling and power supply round off the spectrum of industrial switchgear. Totally Integrated Automation, Safety Integrated and ECOFAST additionally permit our product portfolio to be combined to form optimized systems. All in all, at Siemens you will find innovative controls and distribution with modern features such as integrated communication and safety technology that work to your advantage: The basis for ground-breaking integrated solutions.



SIRIUS modular system

SIRIUS Safety Integrated product family





SIVACON switchboards



SENTRON switching devices



SIMARIS software family

Low-voltage power distribution with SIVACON, SENTRON and SIMARIS

Non-residential buildings and industrial plants have one thing in common: without electricity, everything comes to a halt. The availability, safety and cost effectiveness of the power distribution system is of utmost importance – from the medium voltage supply point through to the socket outlet. And only integrated solutions can ensure maximum efficiency for planning, configuration and operation.

The concept is called Totally Integrated Power from Siemens. Total integration in planning and configuration creates synergies and saves costs. Perfectly interacting products and systems provide efficient engineering and reliable operation. In the field of low-voltage power distribution, the following product families are available:

SIVACON: From the flexible busbar trunking system through to the safe power distribution boards and motor control centers.

SENTRON: From the well-proven switch-disconnector through to intelligent circuit-breakers.

SIMARIS: The software family for planning, parameterizing and managing power distribution.

SIVENT fans



Whether used in the electrical industry, or for cooling power transformers or drives SIVENT fans have been meeting cooling and ventilation requirements reliably for many years. Our wide range includes particularly low-noise fans with optimized efficiency, for use in a wide variety of applications: from rugged low-pressure axial fans to medium-pressure axial fans that can be used flexibly, through to highly efficient medium-pressure radial fans. Whatever your requirements, we have the right fan for you.



The advantages at a glance

- Optimum design of the working point
- Minimum noise emission
- High degree of efficiency
- Small installation volume thanks to customized designs
- High dynamic load capability (3 g to 5 g, railway approval)
- Reliable quality
- Long service life
- Excellent resistance against pollution
- For explosion-protection applications
- Extremely resistant against vibrations
- Special anti-corrosion protection

The highest level of technology and quality

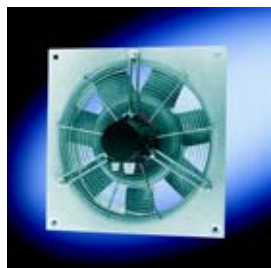
Fans have a huge variety of different tasks to deal with, but this is not a problem for SIVENT fans, as they have been designed using the many years of experience we have gathered in the fields of aerodynamics and acoustics, electric motors and new materials. Using our standard range as a basis, we create customized solutions at the highest technical level for a wide variety of industrial applications. A far-reaching automated production flow permits both small and large batch production. Contiguous quality control ensures a high level of technical quality and sophisticated logistics ensures a reliable supply of spare parts for a great many years. So with SIVENT fans you can be sure that you're getting the very best in terms of cost effectiveness, quality and future orientation.



SIVENT fans – typical areas of application

- Electrical industry
- Power transformer cooling
- Drive cooling
- Railway vehicles
- Compressor cooling
- Washing-plant technology
- Textile industry
- Ventilation and clean-room systems
- Heating/air-conditioning systems

SIVENT fans at a glance



| Product | Axial fans 2CC2, 2CC4 Low pressure | Axial fans 2CT2 Low pressure | Axial fans 2CQ4 to 2CQ6 Medium pressure | Radial-flow fans 2CF7 Medium pressure |
|----------------------------------|---|---|---|---|
| Max. volumetric flow | 6 m ³ /sec | 20 m ³ /sec | 80 m ³ /sec | 30 m ³ /sec |
| Max. pressure | 600 Pa | 200 Pa | 2500 Pa | 4000 Pa |
| Version | <ul style="list-style-type: none"> • Enclosure for wall and pipe installation • Single-phase or three-phase motor with 50 Hz or 60 Hz • Pole-changing motor • Motor for non-standard voltages • Special motors, e.g. explosion-protected motor | <ul style="list-style-type: none"> • Pipe-design enclosure • Hot-galvanized and 3x coated surface • Single-phase or three-phase motor with 50 Hz or 60 Hz or non-standard voltages | <ul style="list-style-type: none"> • Pipe-design enclosure • Powder-coated, scratch-resistant surface • Three-phase motor 50 Hz or 60 Hz (direct drive) • Pole-changing motor • Motor for non-standard voltages • Special motors, e.g., explosion-protected motor • Impeller with blades made from cast silumin that can be adjusted individually when at a standstill | <ul style="list-style-type: none"> • Enclosure with powder-coated, scratch-resistant surface • Three-phase motor 50 Hz or 60 Hz (direct drive) • Pole-changing motor • Motor for non-standard voltages • Special motors, e.g., explosion-protected motor • Impeller with powder-coated, scratch-resistant surface |
| Number of motor poles | 2/4/6-pole | 2/4/6/8/10/12-pole | 2/4/6/8-pole | 2/4/6/8-pole |
| Hub ratio | -- | -- | 2CQ4: 42% 2CQ5: 53% 2CQ6: 67% | -- |
| Wheel diameter (fan size) | 250 mm to 710 mm | 440, 730, 800, 900, 1000, 1600 mm | 250 mm to 2000 mm | 250 mm to 1600 mm |
| Accessories | <ul style="list-style-type: none"> • Pipe sections | -- | <ul style="list-style-type: none"> • Inlet nozzles • Protective grille • Feet for horizontal installation • Flat-type flanges • Compensators • Vibration dampers | <ul style="list-style-type: none"> • Compensators • Vibration dampers |

2CC low-pressure axial fans

2



- 2/2 General data
- 2/4 Selection aid for fans
- 2/5 With three-phase motor AC 50 Hz 400 V, IP55 degree of protection
- 2/6 With motor for single-phase alternating current AC 50 Hz 230 V, IP55 degree of protection
- 2/7 With three-phase explosion-protected motor
- 2/8 Special versions
- 2/9 Options
- 2/10 Configuring aids



2CC low-pressure axial fans

General data

Overview



2CC2 low-pressure axial fan for wall installation



2CC2 low-pressure axial fan for pipe installation

The fans can be supplied in single-phase, three-phase and explosion-protected versions. They can be designed for wall installation with an optional protective grille; a version with an impeller for a reverse direction (blowing via motor) is also available.

The motor with impeller is supplied as the device version.

Benefits

- The fans are supplied ready-to-use.
- Version for wall or pipe installation
- Installation possible in every axis position
- Low mounting depth
- Standard-version fans are speed-controllable (see "Selection and ordering data").

Application

The 2CC2 and 2CC4 axial fans are used:

- To ventilate and extract air from rooms used in industry
- To extract gases and vapors
- To dissipate heat loss, e.g., from electrical machines and devices
- For forced air ventilation in drying chambers
- For installation in air-conditioning devices, e.g., heat exchangers, heaters, etc.

Design

Mechanical design

- Casing: sheet-steel, EPS powder-coated, RAL 7032, resistant to most aggressive gases and vapors
- Protective grilles and support struts: Galvanized steel wire
- Impeller

| Fan type | Material | |
|----------------------|----------|-----------|
| 2CC2 252 to 2CC2 402 | Silumin | G ALSI 12 |
| 2CC2 254 to 2CC2 634 | Plastic | PP/PA |
| 2CC2 714 | Silumin | G ALSI 12 |
| 2CC2 456 to 2CC2 636 | Plastic | PP/PA |
| 2CC2 716 | Plastic | PP/PA |
| 2CC4 25. to 2CC4 71. | Silumin | G ALSI 12 |

Drives

The fans are supplied in the following versions:

- Three-phase version for AC 50 Hz 230 V Δ /400 V Υ , AC 50 Hz 500 V Υ
- Single-phase version for AC 50 Hz 230 V
- Explosion-protected version
- 60 Hz version on request.

For fans with thermal contacts, see "Selection and ordering data".

The single-phase AC 50 Hz 230 V version fans are supplied with an integrated temperature sensor as standard.

In the single-phase version, the continuous operation capacitor is already wired.

The motor connection diagram is found on the terminal-box cover.

Configuration

Circuit-breakers for protecting the motor

All uncontrolled drives can be protected by circuit-breakers.

However, if the speed is controlled by tapped transformers or electronic devices, the circuit-breaker must be set to the maximum current arising during control.

Since in isolated cases this set current is not exceeded (e.g., in the case of blocking at approximately 60% of the rated voltage) and the circuit-breaker, therefore, is not activated, we recommend that motors are protected by thermal contacts during speed control. These thermal contacts should be connected to the circuit-breaker's undervoltage release.

For circuit-breakers, see Catalog LV 1.

Performance data

The performance data contained in the "Selection and ordering data" refer to a conveyor with a density of $\delta = 1.2 \text{ kg/m}^3$.

The air performance data are measured on the suction side and apply to a three-phase drive AC 50 Hz with a mounted protective grille. In the case of single-phase AC operation, the volumetric flow can fluctuate to approximately -4%, and the pressure to approximately -8%, depending on the speed.

With wall installation, problem-free air flow must be ensured by the customer, otherwise the performance data is reduced by up to 20% and the sound-pressure level increases up to a 5 dB(A).

The wall-installation type can also be supplied without a protective grille (with the exception of the explosion-protected version). The 9th position of the order number changes from "A" to "B" (see page 2/8).

If the protective grille is dispensed with, the volumetric flow increases by 3% to 7%, depending on the type.

All values assume an undisturbed flow with a tolerance of $\pm 5\%$ in accordance with DIN 24166 accuracy class 2.

The standard conveying direction is suction via the motor.

In the case of the wall-installation version with impeller for reverse conveying direction (blowing via motor), the 9th position of the order number changes from "A" to "C" (see page 2/8).

Device-version fan

The fan versions for wall and pipe installation can be supplied in the device version. The 9th position of the order number of the desired fan must contain the code letter "R" (see page 2/8). In terms of accessories, fixing supports (also with protective grille) are available, including mounting accessories (see page 2/9).

Explosion-protected fans for conveying potentially-explosive gases

2CC2 series fans, for use in area of application Category II 3 G, Zone 2, are supplied with Ex nA II motors; Category II 2 G, Zone 1 applications are supplied with Ex e II or EEx de IIC motors in accordance with the following guidelines:

- EU type test certificate 94/9 EC (ATEX guidelines)
- EN 13463-1: 2001 (Non-electrical equipment for potentially-explosive atmospheres, Part 1: Basic method and requirements)
- VDMA 24169-1, in future EN 14986 (Constructional explosion-protection measures on fans for conveying explosive gases, mists, vapors). During installation, foreign bodies must be prevented from falling in or being sucked in (e.g., by means of additional protective grilles).

Explosion-protected fans used for conveying in explosive dusty atmospheres in accordance with VDMA 24169-2

Fans with constructional explosion-protection measures for conveying in explosive dusty atmospheres for areas of application Ex II 3 D, Zone 22 (electrically non-conductive particles) and Ex II 2 D, Zone 21 (electrically conductive particles) available on request.

Noise

In the selection aid (see page 2/4), the noise emitted by the fan is specified as a medium sound-pressure level L_{pA} for a measuring distance of 1 m.

The noise data assume an undisturbed sucking fan and have been determined according to DIN 45635. The tolerance is +2 dB.

The approximate frequency range of a 2CC2 or 2CC4 fan can be determined using the table below:

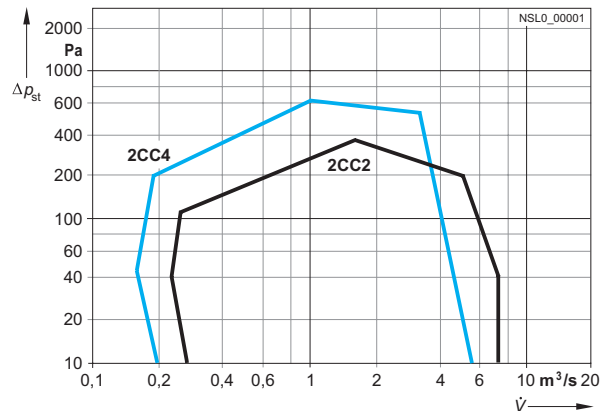
| Octave mid frequency f | Hz | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------------------------------------|----|-----|------|------|-----|------|------|------|------|
| Relative sound-pressure level | | | | | | | | | |
| • 2-pole | dB | -17 | -10 | -8 | -4 | -1 | -4 | -8 | -12 |
| • 4- and 6-pole | dB | -8 | -2.5 | -0.5 | 0 | -3 | -12 | -18 | -28 |

Adding the relative sound-pressure level of the appropriate octave mid frequency to the sound-pressure level of the working point results in the unweighted sound-pressure level for the corresponding frequency band in dB.

Technical specifications

| | | |
|--|----|--|
| Thermal stability of the plastic impellers in continuous operation duty, standard version | °C | 80 |
| Conveyor temperatures at | | |
| • Uncontrolled fans (see "Selection and ordering data") | °C | 70 ... 80 |
| • Speed-controlled fans | °C | 40 |
| • Explosion-protected fans | °C | 40 |
| Degree of protection | | |
| • Motor | | IP55 |
| • Terminal box | | IP55 |
| Specifications | | |
| • Fans | | ISO 5801 |
| • Motor | | IEC 60034-1/EN 60034-1 |
| • Protective grille | | DIN 24167 (Safety requirements of fan impellers in relation to touch protection) |
| • Explosion protection | | |
| - Fans | | EN 13463-1/ VDMA 24169-1 (in future EN 14986) |
| - Motor | | Ex II 3 G Zone 2/ IEC 60079-15, Ex II 2 G Zone 1/ EC type test certificate 94/9 EC (ATEX) |
| Wheel diameter (fan size) | mm | 250 ... 710 |

Family of characteristics



2CC2, 2CC4 low-pressure axial fans

2CC low-pressure axial fans

Selection aid for fans

Technical specifications

In the case of single-phase operation, the volumetric flow can fluctuate up to -4%, and the pressure to approximately -8%, depending on the speed.

In the case of reversing duty¹⁾, the volumetric flow fluctuates by -30% to -40% compared with the standard conveying direction.

Without a protective grille, the volumetric flow increases by 3% to 7%.

| Fan type (complete order number, see "Selection and ordering data") | Fan size | Volumetric flow \dot{V} m ³ /h at a static pressure of | | | | | | | | Speed | Sound-pressure level at 1 m distance ²⁾ | Max. power requirement of the impeller |
|--|----------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|--|--|
| | | 0 Pa | 30 Pa | 50 Pa | 100 Pa | 150 Pa | 200 Pa | 300 Pa | 400 Pa | | | |
| | | mm | m ³ /h | m ³ /h | m ³ /h | m ³ /h | m ³ /h | m ³ /h | m ³ /h | | | |
| With 2-pole motors (3000 rpm) | | | | | | | | | | | | |
| 2CC2 252 | 250 | 2000 | 1860 | 1760 | 1390 | -- | -- | -- | -- | 2850 | 71 | 0.1 |
| 2CC4 252 | | 1330 | 1280 | 1240 | 1150 | 980 | -- | -- | -- | 2850 | 69 | 0.1 |
| 2CC2 312 | 315 | 3870 | 3700 | 3580 | 3270 | 2820 | -- | -- | -- | 2770 | 77 | 0.32 |
| 2CC4 312 | | 2860 | 2800 | 2770 | 2650 | 2500 | 2340 | -- | -- | 2770 | 73 | 0.29 |
| 2CC2 352 | 355 | 5600 | 5400 | 5300 | 4990 | 4600 | 4170 | -- | -- | 2800 | 79 | 0.57 |
| 2CC4 352 | | 4210 | 4150 | 4100 | 4000 | 3860 | 3740 | 3460 | -- | 2800 | 76 | 0.57 |
| 2CC2 402 | 400 | 8140 | 7920 | 7810 | 7490 | 7060 | 6620 | 5540 | -- | 2740 | 84 | 0.95 |
| 2CC4 402 | | 6050 | 5920 | 5830 | 5690 | 5530 | 5290 | 4970 | 4390 | 2740 | 80 | 0.95 |
| With 4-pole motors (1500 rpm) | | | | | | | | | | | | |
| 2CC2 254 | 250 | 1250 | 880 | -- | -- | -- | -- | -- | -- | 1470 | 57 | 0.02 |
| 2CC4 254 | | 660 | 580 | -- | -- | -- | -- | -- | -- | 1480 | 54 | 0.02 |
| 2CC2 314 | 315 | 2590 | 2160 | 1760 | -- | -- | -- | -- | -- | 1440 | 62 | 0.07 |
| 2CC4 314 | | 1510 | 1330 | 1200 | -- | -- | -- | -- | -- | 1440 | 56 | 0.05 |
| 2CC2 354 | 355 | 3650 | 3200 | 2810 | -- | -- | -- | -- | -- | 1400 | 64 | 0.12 |
| 2CC4 354 | | 2250 | 1940 | 1840 | 1370 | -- | -- | -- | -- | 1440 | 59 | 0.08 |
| 2CC2 404 | 400 | 4820 | 4410 | 4090 | -- | -- | -- | -- | -- | 1400 | 70 | 0.17 |
| 2CC4 404 | | 3290 | 3000 | 2860 | 2160 | -- | -- | -- | -- | 1440 | 68 | 0.14 |
| 2CC2 454 | 450 | 6570 | 6050 | 5650 | 4540 | -- | -- | -- | -- | 1410 | 71 | 0.27 |
| 2CC4 454 | | 4390 | 4220 | 4100 | 3760 | 3280 | -- | -- | -- | 1420 | 70 | 0.21 |
| 2CC2 504 | 500 | 8930 | 8350 | 7920 | 6800 | 5260 | -- | -- | -- | 1445 | 72 | 0.47 |
| 2CC4 504 | | 6000 | 5780 | 5620 | 5170 | 4700 | -- | -- | -- | 1460 | 72 | 0.47 |
| 2CC2 564 | 560 | 12000 | 11300 | 10900 | 9720 | 8280 | -- | -- | -- | 1430 | 74 | 0.71 |
| 2CC4 564 | | 8420 | 8280 | 8100 | 7490 | 7020 | 6400 | -- | -- | 1430 | 74 | 0.76 |
| 2CC2 634 | 630 | 16200 | 15700 | 15300 | 14100 | 12800 | 11000 | -- | -- | 1420 | 78 | 1.20 |
| 2CC4 634 | | 12000 | 11800 | 11500 | 11000 | 10400 | 9720 | 7700 | -- | 1410 | 78 | 1.25 |
| 2CC2 714 ¹⁾ | 710 | 24300 | 23700 | 23500 | 22300 | 21400 | 19900 | -- | -- | 1420 | 83 | 3.0 |
| 2CC4 714 | | 18200 | 17900 | 17700 | 17200 | 16500 | 15900 | 14600 | 12700 | 1440 | 83 | 2.7 |
| With 6-pole motors (1000 rpm) | | | | | | | | | | | | |
| 2CC2 456 | 450 | 4250 | 3370 | 2520 | -- | -- | -- | -- | -- | 960 | 57 | 0.07 |
| 2CC4 456 | | 2840 | 2490 | 2200 | -- | -- | -- | -- | -- | 935 | 57 | 0.06 |
| 2CC2 506 | 500 | 5830 | 5040 | 4390 | -- | -- | -- | -- | -- | 970 | 61 | 0.15 |
| 2CC4 506 | | 4030 | 3740 | 3460 | -- | -- | -- | -- | -- | 930 | 61 | 0.14 |
| 2CC2 566 | 560 | 8030 | 7060 | 6280 | -- | -- | -- | -- | -- | 950 | 63 | 0.22 |
| 2CC4 566 | | 5830 | 5400 | 5040 | 3900 | -- | -- | -- | -- | 940 | 63 | 0.22 |
| 2CC2 636 | 630 | 10800 | 9830 | 9110 | -- | -- | -- | -- | -- | 940 | 67 | 0.35 |
| 2CC4 636 | | 7780 | 7290 | 6900 | 5760 | -- | -- | -- | -- | 940 | 67 | 0.36 |
| 2CC2 716 | 710 | 15800 | 14800 | 14000 | 11700 | -- | -- | -- | -- | 940 | 74 | 0.65 |
| 2CC4 716 | | 11100 | 10600 | 10200 | 9070 | 7560 | -- | -- | -- | 940 | 74 | 0.77 |

1) Reversing duty not permitted with type 2CC2 714.

2) See "General data -> Configuration -> Noise". Table values assume medium throttling.

2CC low-pressure axial fans

With three-phase motor AC 50 Hz 400 V, IP55 degree of protection

Selection and ordering data

Selection aid, see "Technical specifications"

| Volumetric flow \dot{V} at 50 Pa | Rated motor data at static pressure $p_{st} = 50 \text{ Pa}^1)$ | | | | | | Fan size | DT ³⁾ | Wall installation incl. protective grille on the suction side Order No. | PS* | Weight approx. | DT | Pipe installation Order No. | PS* | Weight approx. |
|---------------------------------------|---|-------------------|------------------------|----------------------------------|--------------|---------------------------------------|----------|------------------|---|--------|----------------|----|--------------------------------|--------|----------------|
| | Speed | Input motor power | Motor current at 400 V | Speed-controllable ²⁾ | Max. current | Max. permissible conveyor temperature | | | | | | | | | |
| With 2-pole motors (3000 rpm) | | | | | | | | | | | | | | | |
| 1760 | 2850 | 0.17 | 0.9 | -- | 0.96 | 80 | 250 | C | 2CC2 252-1AA□ | 1 unit | 8.3 | C | 2CC2 252-1FA□ | 1 unit | 7.9 |
| 1240 | 2850 | 0.17 | 0.9 | -- | 0.96 | 70 | | C | 2CC4 252-1AA□ | 1 unit | 8.8 | C | 2CC4 252-1FA□ | 1 unit | 8.2 |
| 3580 | 2770 | 0.48 | 0.94 | -- | 1.0 | 60 | 315 | C | 2CC2 312-1AA□ | 1 unit | 9.3 | C | 2CC2 312-1FA□ | 1 unit | 9.1 |
| 2770 | 2770 | 0.48 | 0.94 | -- | 1.0 | 55 | | C | 2CC4 312-1AA□ | 1 unit | 9.7 | C | 2CC4 312-1FA□ | 1 unit | 9.5 |
| 5300 | 2800 | 0.73 | 1.65 | -- | 1.8 | 70 | 355 | C | 2CC2 352-1AA□ | 1 unit | 13 | C | 2CC2 352-1FA□ | 1 unit | 12 |
| 4100 | 2800 | 0.73 | 1.65 | -- | 1.8 | 65 | | C | 2CC4 352-1AA□ | 1 unit | 14 | C | 2CC4 352-1FA□ | 1 unit | 13 |
| 7810 | 2740 | 1.4 | 2.9 | -- | 3.2 | 60 | 400 | C | 2CC2 402-1AA□ | 1 unit | 17 | C | 2CC2 402-1FA□ | 1 unit | 17 |
| 5830 | 2740 | 1.4 | 2.9 | -- | 3.2 | 55 | | C | 2CC4 402-1AA□ | 1 unit | 18 | C | 2CC4 402-1FA□ | 1 unit | 18 |
| With 4-pole motors (1500 rpm) | | | | | | | | | | | | | | | |
| -- | 1470 | 0.13 | 0.45 | T | 0.55 | 80 | 250 | A | 2CC2 254-1AA□ | 1 unit | 8.2 | C | 2CC2 254-1FA□ | 1 unit | 7.8 |
| -- | 1480 | 0.11 | 0.44 | T | 0.48 | 70 | | C | 2CC4 254-1AA□ | 1 unit | 8.8 | C | 2CC4 254-1FA□ | 1 unit | 8.2 |
| 1760 | 1440 | 0.17 | 0.45 | T | 0.55 | 80 | 315 | A | 2CC2 314-1AA□ | 1 unit | 9 | C | 2CC2 314-1FA□ | 1 unit | 8.3 |
| 1200 | 1440 | 0.16 | 0.44 | T | 0.55 | 70 | | C | 2CC4 314-1AA□ | 1 unit | 9 | C | 2CC4 314-1FA□ | 1 unit | 9 |
| 2810 | 1400 | 0.23 | 0.47 | T | 0.5 | 80 | 355 | A | 2CC2 354-1AA□ | 1 unit | 9.4 | C | 2CC2 354-1FA□ | 1 unit | 8.7 |
| 1840 | 1440 | 0.15 | 0.42 | T | 0.49 | 70 | | C | 2CC4 354-1AA□ | 1 unit | 10 | C | 2CC4 354-1FA□ | 1 unit | 8.7 |
| 4090 | 1400 | 0.35 | 0.8 | T | 1.0 | 70 | 400 | A | 2CC2 404-1AA□ | 1 unit | 10 | C | 2CC2 404-1FA□ | 1 unit | 10 |
| 2860 | 1440 | 0.34 | 0.75 | T | 1.0 | 65 | | C | 2CC4 404-1AA□ | 1 unit | 11 | C | 2CC4 404-1FA□ | 1 unit | 11 |
| 5650 | 1410 | 0.46 | 1.27 | T | 1.5 | 80 | 450 | A | 2CC2 454-1AA□ | 1 unit | 13.5 | C | 2CC2 454-1FA□ | 1 unit | 12.5 |
| 4100 | 1410 | 0.44 | 1.3 | T | 1.5 | 70 | | C | 2CC4 454-1AA□ | 1 unit | 16 | C | 2CC4 454-1FA□ | 1 unit | 15 |
| 7920 | 1445 | 0.8 | 1.5 | T | 1.8 | 80 | 500 | A | 2CC2 504-1AA□ | 1 unit | 17 | C | 2CC2 504-1FA□ | 1 unit | 15 |
| 5620 | 1460 | 0.8 | 1.31 | T | 1.55 | 70 | | C | 2CC4 504-1AA□ | 1 unit | 20 | C | 2CC4 504-1FA□ | 1 unit | 18 |
| 10900 | 1430 | 1.05 | 2.4 | T | 3.2 | 80 | 560 | A | 2CC2 564-1AA□ | 1 unit | 25 | C | 2CC2 564-1FA□ | 1 unit | 19 |
| 8100 | 1430 | 0.95 | 2.0 | T | 3.2 | 70 | | C | 2CC4 564-1AA□ | 1 unit | 29 | C | 2CC4 564-1FA□ | 1 unit | 23 |
| 15300 | 1420 | 1.4 | 2.8 | T | 3.2 | 70 | 630 | A | 2CC2 634-1AA□ | 1 unit | 29 | C | 2CC2 634-1FA□ | 1 unit | 23 |
| 11500 | 1410 | 1.85 | 3.7 | T | 4.0 | 60 | | C | 2CC4 634-1AA□ | 1 unit | 40 | C | 2CC4 634-1FA□ | 1 unit | 34 |
| 23500 | 1420 | 3.3 | 7.0 | C | -- | 70 | 710 | C | 2CC2 714-1AA□ | 1 unit | 58 | C | 2CC2 714-1FA□ | 1 unit | 59 |
| 17700 | 1440 | 3.2 | 6.8 | C | -- | 70 | | C | 2CC4 714-1AA□ | 1 unit | 65 | C | 2CC4 714-1FA□ | 1 unit | 66 |
| With 6-pole motors (1000 rpm) | | | | | | | | | | | | | | | |
| 2520 | 960 | 0.28 | 1.0 | T | 1.15 | 70 | 450 | C | 2CC2 456-1AA□ | 1 unit | 13.5 | C | 2CC2 456-1FA□ | 1 unit | 12 |
| 2200 | 935 | 0.29 | 1.1 | T | 1.1 | 70 | | C | 2CC4 456-1AA□ | 1 unit | 16 | C | 2CC4 456-1FA□ | 1 unit | 14 |
| 4390 | 930 | 0.30 | 0.8 | T | 0.95 | 60 | 500 | C | 2CC2 506-1AA□ | 1 unit | 17 | C | 2CC2 506-1FA□ | 1 unit | 14 |
| 3460 | 930 | 0.3 | 0.8 | T | 0.95 | 60 | | C | 2CC4 506-1AA□ | 1 unit | 20 | C | 2CC4 506-1FA□ | 1 unit | 17 |
| 6280 | 950 | 0.37 | 0.66 | T | 1.0 | 80 | 560 | C | 2CC2 566-1AA□ | 1 unit | 22 | C | 2CC2 566-1FA□ | 1 unit | 17 |
| 5040 | 940 | 0.37 | 0.86 | T | 1.0 | 75 | | C | 2CC4 566-1AA□ | 1 unit | 26 | C | 2CC4 566-1FA□ | 1 unit | 20 |
| 9110 | 940 | 0.41 | 1.2 | T | 1.35 | 70 | 630 | C | 2CC2 636-1AA□ | 1 unit | 24 | C | 2CC2 636-1FA□ | 1 unit | 19 |
| 6900 | 940 | 0.39 | 1.14 | T | 1.24 | 60 | | C | 2CC4 636-1AA□ | 1 unit | 29 | C | 2CC4 636-1FA□ | 1 unit | 24 |
| 14000 | 940 | 0.93 | 2.6 | T | 2.8 | 60 | 710 | C | 2CC2 716-1AA□ | 1 unit | 37 | C | 2CC2 716-1FA□ | 1 unit | 30 |
| 10200 | 940 | 0.93 | 2.6 | T | 2.8 | 60 | | C | 2CC4 716-1AA□ | 1 unit | 41 | C | 2CC4 716-1FA□ | 1 unit | 33 |

Order number supplement for rated voltage

230 V Δ /400 V Υ
500 V Υ

1
3

1
3

For special versions, see page 2/8.

- 1) For values lower than $p_{st} = 50 \text{ Pa}$, data are specified for 30 Pa.
- 2) T: Speed-controllable using transformers, C: Converters.
- 3) At a rated voltage of 500 V Υ delivery time category C usually applies.

2CC low-pressure axial fans

With motor for single-phase alternating current
AC 50 Hz 230 V, IP55 degree of protection

Selection and ordering data

With capacitor and temperature sensor

Selection aid, see "Technical specifications".

In the case of single-phase operation, the volumetric flow can fluctuate up to -4%, and the pressure to approximately -8%, depending on the speed.

| Volumetric flow V at 50 Pa | Rated motor data at static pressure $p_{st} = 50 \text{ Pa}^1)$ | | | | | | | Fan size | DT ³⁾ | Wall installation incl. protective grille on the suction side Order No. | PS* | Weight, approx. | DT | Pipe installation Order No. | PS* | Weight, approx. |
|--------------------------------------|---|-------------------|---------------|----------------------------------|---|-----------------------------------|---------------------------------------|----------|------------------|---|--------|-----------------|----|--------------------------------|--------|-----------------|
| | Speed | Input motor power | Motor current | Speed-controllable ²⁾ | Capacitor with 400 V continuous operational voltage | Max. current during speed control | Max. permissible conveyor temperature | | | | | | | | | |
| m ³ /h | rpm | kW | A | | μF | A | °C | mm | | | | kg | | | | kg |
| With 2-pole motors (3000 rpm) | | | | | | | | | | | | | | | | |
| 1660 | 2700 | 0.19 | 0.89 | -- | 3 | -- | 80 | 250 | C | 2CC2 252-1AH1 | 1 unit | 8.3 | C | 2CC2 252-1FH1 | 1 unit | 7.9 |
| 1170 | 2700 | 0.18 | 0.83 | -- | 3 | -- | 80 | | C | 2CC4 252-1AH1 | 1 unit | 8.8 | C | 2CC4 252-1FH1 | 1 unit | 8.2 |
| 3590 | 2780 | 0.46 | 2.0 | -- | 10 | -- | 70 | 315 | C | 2CC2 312-1AH1 | 1 unit | 9.3 | C | 2CC2 312-1FH1 | 1 unit | 9.1 |
| 2780 | 2780 | 0.45 | 2.0 | -- | 10 | -- | 60 | | C | 2CC4 312-1AH1 | 1 unit | 9.7 | C | 2CC4 312-1FH1 | 1 unit | 9.5 |
| 5320 | 2810 | 0.84 | 3.7 | -- | 16 | -- | 70 | 355 | C | 2CC2 352-1AH1 | 1 unit | 14 | C | 2CC2 352-1FH1 | 1 unit | 12 |
| 4110 | 2810 | 0.84 | 3.7 | -- | 16 | -- | 60 | | C | 2CC4 352-1AH1 | 1 unit | 14 | C | 2CC4 352-1FH1 | 1 unit | 13 |
| 7920 | 2780 | 1.35 | 6.2 | -- | 20 | -- | 70 | 400 | C | 2CC2 402-1AH1 | 1 unit | 17 | C | 2CC2 402-1FH1 | 1 unit | 17 |
| 5910 | 2780 | 1.35 | 6.2 | -- | 20 | -- | 60 | | C | 2CC4 402-1AH1 | 1 unit | 18 | C | 2CC4 402-1FH1 | 1 unit | 18 |
| With 4-pole motors (1500 rpm) | | | | | | | | | | | | | | | | |
| -- | 1470 | 0.13 | 0.7 | T | 4 | 0.88 | 80 | 250 | A | 2CC2 254-1AH1 | 1 unit | 8.2 | C | 2CC2 254-1FH1 | 1 unit | 7.8 |
| -- | 1480 | 0.13 | 0.7 | T | 4 | 0.88 | 80 | | C | 2CC4 254-1AH1 | 1 unit | 8.6 | C | 2CC4 254-1FH1 | 1 unit | 8.2 |
| 1780 | 1460 | 0.17 | 0.83 | T | 4 | 1.2 | 80 | 315 | A | 2CC2 314-1AH1 | 1 unit | 9 | C | 2CC2 314-1FH1 | 1 unit | 8.3 |
| 1220 | 1470 | 0.14 | 0.83 | T | 4 | 0.95 | 80 | | C | 2CC4 314-1AH1 | 1 unit | 9 | C | 2CC4 314-1FH1 | 1 unit | 9 |
| 2870 | 1430 | 0.21 | 1.0 | T | 4 | 1.4 | 80 | 355 | A | 2CC2 354-1AH1 | 1 unit | 9.4 | C | 2CC2 354-1FH1 | 1 unit | 8.7 |
| 1840 | 1440 | 0.2 | 1.0 | T | 4 | 1.4 | 80 | | C | 2CC4 354-1AH1 | 1 unit | 10 | C | 2CC4 354-1FH1 | 1 unit | 8.7 |
| 3970 | 1360 | 0.28 | 1.26 | T | 4 | 1.5 | 70 | 400 | A | 2CC2 404-1AH1 | 1 unit | 10 | C | 2CC2 404-1FH1 | 1 unit | 10 |
| 2800 | 1410 | 0.21 | 1.0 | T | 4 | 1.3 | 70 | | C | 2CC4 404-1AH1 | 1 unit | 11 | C | 2CC4 404-1FH1 | 1 unit | 11 |
| 5280 | 1320 | 0.45 | 2.2 | T | 6 | 2.5 | 70 | 450 | A | 2CC2 454-1AH1 | 1 unit | 13.5 | C | 2CC2 454-1FH1 | 1 unit | 12.5 |
| 3830 | 1320 | 0.45 | 2.2 | T | 6 | 2.5 | 70 | | C | 2CC4 454-1AH1 | 1 unit | 16 | C | 2CC4 454-1FH1 | 1 unit | 15 |
| 7560 | 1380 | 0.65 | 3.0 | T | 10 | 3.5 | 70 | 500 | A | 2CC2 504-1AH1 | 1 unit | 17 | C | 2CC2 504-1FH1 | 1 unit | 15 |
| 5310 | 1380 | 0.65 | 3.0 | T | 10 | 3.5 | 70 | | C | 2CC4 504-1AH1 | 1 unit | 20 | C | 2CC4 504-1FH1 | 1 unit | 18 |
| 10590 | 1390 | 1.1 | 4.7 | T | 20 | 5.3 | 50 | 560 | A | 2CC2 564-1AH1 | 1 unit | 25 | C | 2CC2 564-1FH1 | 1 unit | 19 |
| 7870 | 1390 | 1.0 | 4.7 | T | 20 | 5.3 | 50 | | C | 2CC4 564-1AH1 | 1 unit | 29 | C | 2CC4 564-1FH1 | 1 unit | 23 |
| 14270 | 1325 | 1.5 | 6.8 | T | 25 | 8.3 | 70 | 630 | C | 2CC2 634-1AH1 | 1 unit | 29 | C | 2CC2 634-1FH1 | 1 unit | 23 |
| 11660 | 1430 | 1.65 | 9.3 | T | 40 | 10.5 | 50 | | C | 2CC4 634-1AH1 | 1 unit | 34 | C | 2CC4 634-1FH1 | 1 unit | 28 |
| With 6-pole motors (1000 rpm) | | | | | | | | | | | | | | | | |
| 2410 | 920 | 0.19 | 0.92 | T | 4 | 1.02 | 60 | 450 | C | 2CC2 456-1AH1 | 1 unit | 13.5 | C | 2CC2 456-1FH1 | 1 unit | 12 |
| 2160 | 920 | 0.19 | 0.92 | T | 4 | 1.02 | 60 | | C | 2CC4 456-1AH1 | 1 unit | 16 | C | 2CC4 456-1FH1 | 1 unit | 14 |
| 4390 | 930 | 0.33 | 1.06 | T | 5 | 1.58 | 80 | 500 | C | 2CC2 506-1AH1 | 1 unit | 17 | C | 2CC2 506-1FH1 | 1 unit | 14 |
| 3460 | 930 | 0.33 | 1.06 | T | 5 | 1.58 | 70 | | C | 2CC4 506-1AH1 | 1 unit | 20 | C | 2CC4 506-1FH1 | 1 unit | 17 |
| 6610 | 910 | 0.4 | 1.95 | T | 8 | 2.2 | 50 | 560 | C | 2CC2 566-1AH1 | 1 unit | 22 | C | 2CC2 566-1FH1 | 1 unit | 17 |
| 4820 | 900 | 0.4 | 1.95 | T | 8 | 2.2 | 50 | | C | 2CC4 566-1AH1 | 1 unit | 26 | C | 2CC4 566-1FH1 | 1 unit | 20 |
| 9110 | 940 | 0.46 | 2.4 | T | 10 | 2.9 | 50 | 630 | C | 2CC2 636-1AH1 | 1 unit | 24 | C | 2CC2 636-1FH1 | 1 unit | 19 |
| 6900 | 940 | 0.46 | 2.4 | T | 10 | 2.9 | 50 | | C | 2CC4 636-1AH1 | 1 unit | 29 | C | 2CC4 636-1FH1 | 1 unit | 24 |
| 13550 | 910 | 1.2 | 5.7 | T | 20 | 5.9 | 70 | 710 | C | 2CC2 716-1AH1 | 1 unit | 37 | C | 2CC2 716-1FH1 | 1 unit | 30 |
| 9760 | 900 | 1.2 | 5.7 | T | 20 | 5.9 | 70 | | C | 2CC4 716-1AH1 | 1 unit | 41 | C | 2CC4 716-1FH1 | 1 unit | 33 |

For special versions, see page 2/8.

- 1) For values lower than $p_{st} = 50 \text{ Pa}$, data are specified for 30 Pa.
- 2) T: Speed-controllable using transformers.
- 3) At a rated voltage of 500 V Υ delivery time category C usually applies.

2CC low-pressure axial fans

With three-phase motor AC 50 Hz explosion-protected version

Selection and ordering data

- ATEX Directive 94/9/EC
- EN 13463-1/VDMA 24169-1 (in future EN 14986)

- Temperature range -20 °C to +40 °C with explosion-protected three-phase motor AC 50 Hz for line operation
- IP55 degree of protection

| Volumetric flow \dot{V} at 50 Pa m ³ /h | Motor | | | | | Fan size mm | DT | Wall installation incl. protective grille on the suction side Order No. | PS* | Weight, approx. kg | DT | Pipe installation Order No. | PS* | Weight, approx. kg |
|--|-------|-----------------------|---------------------------------|-------------------|-------------------------------|--------------------|----|---|-----|---------------------------|----|------------------------------------|-----|---------------------------|
| | Type | Rated power kW | Rated current at 400 V A | Temperature class | t _E -time s | | | | | | | | | |

Version Ex II 3 G, Zone 2

With 4-pole motor Ex nAll T3 to IEC 60079-15 (1500 rpm)

| | | | | | | | | | | | | | | |
|-------|-----------------|------|------|-----------|----|-----|---|------------------------|--------|-----|---|------------------------|--------|-----|
| 612 | 1LA7 060-4AA..Z | 0.12 | 0.42 | T1 ... T3 | 13 | 250 | D | 2CC2 254-5AA □7 | 1 unit | 7.2 | D | 2CC2 254-5FA □7 | 1 unit | 7 |
| 1560 | 1LA7 060-4AA..Z | 0.12 | 0.42 | T1 ... T3 | 13 | 315 | D | 2CC2 314-5AA □7 | 1 unit | 8.2 | D | 2CC2 314-5FA □7 | 1 unit | 7.5 |
| 2450 | 1LA7 060-4AA..Z | 0.12 | 0.42 | T1 ... T3 | 13 | 355 | D | 2CC2 354-5AA □7 | 1 unit | 8.6 | D | 2CC2 354-5FA □7 | 1 unit | 7.8 |
| 3600 | 1LA7 063-4AA..Z | 0.18 | 0.62 | T1 ... T3 | 13 | 400 | D | 2CC2 404-5AA □7 | 1 unit | 11 | D | 2CC2 404-5FA □7 | 1 unit | 10 |
| 5435 | 1LA7 073-4AA..Z | 0.37 | 1.06 | T1 ... T3 | 13 | 450 | D | 2CC2 454-5AA □7 | 1 unit | 12 | D | 2CC2 454-5FA □7 | 1 unit | 11 |
| 7810 | 1LA7 083-4AA..Z | 0.75 | 1.86 | T1 ... T3 | 16 | 500 | D | 2CC2 504-5AA □7 | 1 unit | 19 | D | 2CC2 504-5FA □7 | 1 unit | 18 |
| 10360 | 1LA7 090-4AA..Z | 1.1 | 2.55 | T1 ... T3 | 16 | 560 | D | 2CC2 564-5AA □7 | 1 unit | 27 | D | 2CC2 564-5FA □7 | 1 unit | 24 |
| 15010 | 1LA7 096-4AA..Z | 1.5 | 3.4 | T1 ... T3 | 16 | 630 | D | 2CC2 634-5AA □7 | 1 unit | 36 | D | 2CC2 634-5FA □7 | 1 unit | 31 |

With 6-pole motor Ex nAll T3 to IEC 60079-15 (1000 rpm)

| | | | | | | | | | | | | | | |
|-------|-----------------|------|------|-----------|----|-----|---|------------------------|--------|----|---|------------------------|--------|----|
| 2520 | 1LA7 070-6AA..Z | 0.18 | 0.67 | T1 ... T3 | 16 | 450 | D | 2CC2 456-5AA □7 | 1 unit | 13 | D | 2CC2 456-5FA □7 | 1 unit | 12 |
| 4390 | 1LA7 070-6AA..Z | 0.25 | 0.67 | T1 ... T3 | 16 | 500 | D | 2CC2 506-5AA □7 | 1 unit | 17 | D | 2CC2 506-5FA □7 | 1 unit | 16 |
| 6260 | 1LA7 080-6AA..Z | 0.37 | 1.2 | T1 ... T3 | 16 | 560 | D | 2CC2 566-5AA □7 | 1 unit | 25 | D | 2CC2 566-5FA □7 | 1 unit | 22 |
| 9180 | 1LA7 083-6AA..Z | 0.55 | 1.6 | T1 ... T3 | 16 | 630 | D | 2CC2 636-5AA □7 | 1 unit | 43 | D | 2CC2 636-5FA □7 | 1 unit | 41 |
| 14000 | 1LA7 096-6AA..Z | 1.1 | 2.85 | T1 ... T3 | 16 | 710 | D | 2CC2 716-5AA □7 | 1 unit | 65 | D | 2CC2 716-5FA □7 | 1 unit | 63 |

Version Ex II 2 G, Zone 1

With 4-pole motor EEx e II (1500 rpm)

| | | | | | | | | | | | | | | |
|-------|----------------|------|------|-----------|----|-----|---|------------------------|--------|-----|---|------------------------|--------|-----|
| 612 | 1MA7 060-4BB.. | 0.12 | 0.52 | T1 ... T3 | 13 | 250 | D | 2CC2 254-5AA □6 | 1 unit | 7.2 | D | 2CC2 254-5FA □6 | 1 unit | 7 |
| 1560 | 1MA7 060-4BB.. | 0.12 | 0.52 | T1 ... T3 | 13 | 315 | D | 2CC2 314-5AA □6 | 1 unit | 8.2 | D | 2CC2 314-5FA □6 | 1 unit | 7.5 |
| 2450 | 1MA7 060-4BB.. | 0.12 | 0.52 | T1 ... T3 | 13 | 355 | D | 2CC2 354-5AA □6 | 1 unit | 8.6 | D | 2CC2 354-5FA □6 | 1 unit | 7.8 |
| 3600 | 1MA7 063-4BB.. | 0.18 | 0.62 | T1 ... T3 | 13 | 400 | D | 2CC2 404-5AA □6 | 1 unit | 11 | D | 2CC2 404-5FA □6 | 1 unit | 10 |
| 5435 | 1MA7 073-4BB.. | 0.37 | 1.1 | T1 ... T3 | 13 | 450 | D | 2CC2 454-5AA □6 | 1 unit | 13 | D | 2CC2 454-5FA □6 | 1 unit | 12 |
| 7810 | 1MA7 090-4BA.. | 1.0 | 2.5 | T1 ... T3 | 16 | 500 | D | 2CC2 504-5AA □6 | 1 unit | 22 | D | 2CC2 504-5FA □6 | 1 unit | 21 |
| 10360 | 1MA7 096-4BA.. | 1.35 | 3.1 | T1 ... T3 | 16 | 560 | D | 2CC2 564-5AA □6 | 1 unit | 30 | D | 2CC2 564-5FA □6 | 1 unit | 27 |
| 15010 | 1MA7 106-4BA.. | 2.0 | 4.5 | T1 ... T3 | 16 | 630 | D | 2CC2 634-5AA □6 | 1 unit | 40 | D | 2CC2 634-5FA □6 | 1 unit | 35 |

With 6-pole motor EEx e II (1000 rpm)

| | | | | | | | | | | | | | | |
|-------|----------------|------|------|-----------|----|-----|---|------------------------|--------|----|---|------------------------|--------|----|
| 2520 | 1MA7 073-6BA.. | 0.25 | 0.81 | T1 ... T3 | 16 | 450 | D | 2CC2 456-5AA □6 | 1 unit | 14 | D | 2CC2 456-5FA □6 | 1 unit | 13 |
| 4390 | 1MA7 073-6BA.. | 0.25 | 0.81 | T1 ... T3 | 16 | 500 | D | 2CC2 506-5AA □6 | 1 unit | 18 | D | 2CC2 506-5FA □6 | 1 unit | 17 |
| 6260 | 1MA7 080-6BA.. | 0.37 | 1.14 | T1 ... T3 | 16 | 560 | D | 2CC2 566-5AA □6 | 1 unit | 27 | D | 2CC2 566-5FA □6 | 1 unit | 24 |
| 9180 | 1MA7 083-6BA.. | 0.55 | 1.75 | T1 ... T3 | 16 | 630 | D | 2CC2 636-5AA □6 | 1 unit | 46 | D | 2CC2 636-5FA □6 | 1 unit | 44 |
| 14000 | 1MA7 096-6BA.. | 0.95 | 2.6 | T1 ... T3 | 16 | 710 | D | 2CC2 716-5AA □6 | 1 unit | 65 | D | 2CC2 716-5FA □6 | 1 unit | 63 |

With 4-pole motor EEx e IIC (1500 rpm)

| | | | | | | | | | | | | | | |
|-------|----------------|------|------|-----------|----|-----|---|------------------------|--------|----|---|------------------------|--------|----|
| 612 | 1MJ7 070-4CB.. | 0.25 | 0.78 | T1 ... T4 | 13 | 250 | D | 2CC2 254-5AA □5 | 1 unit | 23 | D | 2CC2 254-5FA □5 | 1 unit | 23 |
| 1560 | 1MJ7 070-4CB.. | 0.25 | 0.78 | T1 ... T4 | 13 | 315 | D | 2CC2 314-5AA □5 | 1 unit | 24 | D | 2CC2 314-5FA □5 | 1 unit | 24 |
| 2450 | 1MJ7 070-4CB.. | 0.25 | 0.78 | T1 ... T4 | 13 | 355 | D | 2CC2 354-5AA □5 | 1 unit | 25 | D | 2CC2 354-5FA □5 | 1 unit | 25 |
| 3600 | 1MJ7 070-4CB.. | 0.25 | 0.78 | T1 ... T4 | 13 | 400 | D | 2CC2 404-5AA □5 | 1 unit | 27 | D | 2CC2 404-5FA □5 | 1 unit | 26 |
| 5435 | 1MJ7 070-4CB.. | 0.37 | 1.13 | T1 ... T4 | 13 | 450 | D | 2CC2 454-5AA □5 | 1 unit | 27 | D | 2CC2 454-5FA □5 | 1 unit | 27 |
| 7810 | 1MJ7 083-4CA.. | 0.75 | 1.88 | T1 ... T4 | 16 | 500 | D | 2CC2 504-5AA □5 | 1 unit | 35 | D | 2CC2 504-5FA □5 | 1 unit | 34 |
| 10360 | 1MJ7 096-4CA.. | 1.1 | 2.7 | T1 ... T4 | 16 | 560 | D | 2CC2 564-5AA □5 | 1 unit | 46 | D | 2CC2 564-5FA □5 | 1 unit | 43 |
| 15010 | 1MJ7 097-4CA.. | 1.5 | 3.5 | T1 ... T4 | 16 | 630 | D | 2CC2 634-5AA □5 | 1 unit | 55 | D | 2CC2 634-5FA □5 | 1 unit | 51 |

With 6-pole motor EEx e IIC (1000 rpm)

| | | | | | | | | | | | | | | |
|-------|----------------|------|------|-----------|----|-----|---|------------------------|--------|----|---|------------------------|--------|----|
| 2520 | 1MJ7 073-6CA.. | 0.25 | 0.82 | T1 ... T4 | 16 | 450 | D | 2CC2 456-5AA □5 | 1 unit | 23 | D | 2CC2 456-5FA □5 | 1 unit | 22 |
| 4390 | 1MJ7 073-6CA.. | 0.25 | 0.82 | T1 ... T4 | 16 | 500 | D | 2CC2 506-5AA □5 | 1 unit | 27 | D | 2CC2 506-5FA □5 | 1 unit | 26 |
| 6260 | 1MJ7 080-6CA.. | 0.37 | 1.18 | T1 ... T4 | 16 | 560 | D | 2CC2 566-5AA □5 | 1 unit | 53 | D | 2CC2 566-5FA □5 | 1 unit | 50 |
| 9180 | 1MJ7 083-6CA.. | 0.55 | 1.67 | T1 ... T4 | 16 | 630 | D | 2CC2 636-5AA □5 | 1 unit | 56 | D | 2CC2 636-5FA □5 | 1 unit | 54 |
| 14000 | 1MJ7 097-6CA.. | 1.1 | 2.95 | T1 ... T4 | 16 | 710 | D | 2CC2 716-5AA □5 | 1 unit | 81 | D | 2CC2 716-5FA □5 | 1 unit | 79 |

Order number supplement for rated voltage

230 VΔ/400 VY
500 VΔ

1
3

1
3

For special versions, see page 2/8.

The basic versions of the wall-installation type are designed without a protective grille on the pressure side and the pipe version without an explosion-protective grille on either side.

It must be ensured that no inflammable parts can enter the fan from the line side (protective grille or safety equipment, see "Accessories").

Note: In applications where the motor shaft end is at the bottom, the motors must also have a protective top cover.

The manufacturers, suppliers and operators are all responsible for complying with the requirements arising from the above-mentioned Guidelines for Explosion Protection.

The manufacturer, supplier and operator are also responsible for complying with the requirements from the ATEX Directive.

2CC low-pressure axial fans

Special versions

Options

| Type | For fans | Ordering data | Ordering example |
|---|--|---|----------------------|
| Fan for wall installation without protective grille | 2CC. ...-1AA. 2CC. ...-1AH1 | Order number change for the 9th position 2CC. ...-1 B .. | 2CC2 454-1BH1 |
| Device-version fan Scope of delivery: impeller with motor, fixing supports see "Accessories" | 2CC. ...-1AA. 2CC. ...-1FA. 2CC. ...-1AH. 2CC. ...-1FH. | Order number change for the 9th position 2CC. ...-1 R .. | 2CC4 506-1RH1 |
| Fan for wall installation for reverse conveying direction (blowing via motor) | 2CC. ...-1AA. 2CC. ...-1AH. | Order number change for the 9th position 2CC. ...-1 C .. | 2CC4 354-1CA1 |
| Fan for other voltages and/or frequencies | 2CC. ...-1AA. 2CC. ...-1FA. 2CC. ...-1AH1 2CC. ...-1FH1 2CC. ...-5AA.. 2CC. ...-5FA.. | On request | -- |
| Fan with thermal contacts | 2CC. ...-1AA. 2CC. ...-1FA. | On request | -- |

2

Selection and ordering data

Pipe sections for extending the fan enclosure when using pipe installation

| | Fan type 2CC2, 2CC4 | Fan size | DT | Order No. | PS* | Weight, approx. kg |
|--|--------------------------------|----------|----|-----------------|--------|--------------------------|
| | 2CC. 252-1F..., 2CC. 254-1F... | 250 | C | 2CX2 500 | 1 unit | 2.2 |
| | 2CC. 312-1F..., 2CC. 314-1F... | 315 | C | 2CX2 502 | 1 unit | 2.7 |
| | 2CC. 352-1F... | 355 | C | 2CX2 503 | 1 unit | 3.1 |
| | 2CC. 354-1F... | 355 | C | 2CX2 504 | 1 unit | 3.1 |
| | 2CC. 402-1F... | 400 | C | 2CX2 505 | 1 unit | 4.7 |
| | 2CC. 404-1F... | 400 | C | 2CX2 506 | 1 unit | 4.7 |
| | 2CC. 454-1F..., 2CC. 456-1F... | 450 | C | 2CX2 508 | 1 unit | 5.8 |
| | 2CC. 504-1F..., 2CC. 506-1F... | 500 | C | 2CX2 510 | 1 unit | 6.5 |
| | 2CC. 564-1F..., 2CC. 566-1F... | 560 | C | 2CX2 511 | 1 unit | 7.5 |
| | 2CC. 634-1F..., 2CC. 636-1F... | 630 | C | 2CX2 512 | 1 unit | 9.5 |
| | 2CC. 716-1F... | 710 | C | 2CX2 513 | 1 unit | 11.5 |

Fixing supports for device version¹⁾

| | Fan type 2CC2, 2CC4 | Fan size | DT | Order No. | PS* | Weight, approx. kg |
|--|------------------------|----------|----|-----------------|--------|--------------------------|
| For wall-installation version with protective grille²⁾ | | | | | | |
| | 2CC. 252, 2CC. 254 | 250 | A | 2CX2 337 | 1 unit | 0.5 |
| | 2CC. 312, 2CC. 314 | 315 | A | 2CX2 338 | 1 unit | 0.75 |
| | 2CC. 352 | 355 | A | 2CX2 341 | 1 unit | 0.9 |
| | 2CC. 354 | 355 | A | 2CX2 340 | 1 unit | 0.9 |
| | 2CC. 402 | 400 | A | 2CX2 347 | 1 unit | 1.1 |
| | 2CC. 404 | 400 | A | 2CX2 342 | 1 unit | 1.1 |
| | 2CC. 454, 2CC. 456 | 450 | A | 2CX2 343 | 1 unit | 1.5 |
| | 2CC. 504, 2CC. 506 | 500 | A | 2CX2 344 | 1 unit | 1.8 |
| | 2CC. 564, 2CC. 566 | 560 | A | 2CX2 348 | 1 unit | 2.7 |
| | 2CC. 634, 2CC. 636 | 630 | A | 2CX2 350 | 1 unit | 3.2 |
| | 2CC. 716 | 710 | A | 2CX2 351 | 1 unit | 4 |
| For wall-installation version without protective grille | | | | | | |
| | 2CC. 252, 2CC. 254 | 250 | A | 2CX2 310 | 1 unit | 0.27 |
| | 2CC. 312, 2CC. 314 | 315 | A | 2CX2 311 | 1 unit | 0.33 |
| | 2CC. 352 | 355 | A | 2CX2 313 | 1 unit | 0.34 |
| | 2CC. 354 | 355 | A | 2CX2 312 | 1 unit | 0.36 |
| | 2CC. 402 | 400 | A | 2CX2 320 | 1 unit | 0.66 |
| | 2CC. 404 | 400 | A | 2CX2 314 | 1 unit | 0.39 |
| | 2CC. 454, 2CC. 456 | 450 | A | 2CX2 315 | 1 unit | 0.46 |
| | 2CC. 504, 2CC. 506 | 500 | A | 2CX2 316 | 1 unit | 0.63 |
| | 2CC. 564, 2CC. 566 | 560 | A | 2CX2 321 | 1 unit | 1.3 |
| | 2CC. 634, 2CC. 636 | 630 | A | 2CX2 322 | 1 unit | 1.5 |
| | 2CC. 716 | 710 | A | 2CX2 323 | 1 unit | 1.7 |
| For pipe installation | | | | | | |
| | 2CC. 252, 2CC. 254 | 250 | A | 2CX2 324 | 1 unit | 0.27 |
| | 2CC. 312, 2CC. 314 | 315 | A | 2CX2 325 | 1 unit | 0.33 |
| | 2CC. 352 | 355 | A | 2CX2 327 | 1 unit | 0.34 |
| | 2CC. 354 | 355 | A | 2CX2 326 | 1 unit | 0.37 |
| | 2CC. 402 | 400 | A | 2CX2 331 | 1 unit | 0.69 |
| | 2CC. 404 | 400 | A | 2CX2 328 | 1 unit | 0.4 |
| | 2CC. 454, 2CC. 456 | 450 | A | 2CX2 330 | 1 unit | 0.45 |
| | 2CC. 504, 2CC. 506 | 500 | A | 2CX2 332 | 1 unit | 0.48 |
| | 2CC. 564, 2CC. 566 | 560 | A | 2CX2 334 | 1 unit | 0.5 |
| | 2CC. 634, 2CC. 636 | 630 | A | 2CX2 335 | 1 unit | 0.6 |
| | 2CC. 716 | 710 | A | 2CX2 336 | 1 unit | 0.63 |

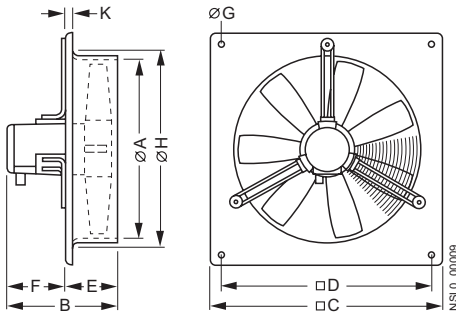
1) The fixing supports (3 units offset at 120°) are supplied with mounting accessories.

2) Standard version.

2CC low-pressure axial fans

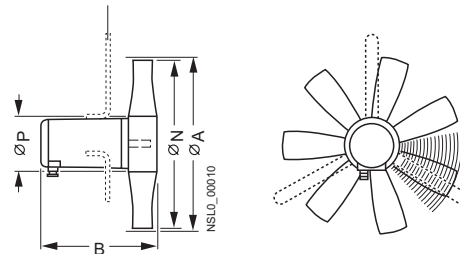
Configuring aids

Dimensional drawings

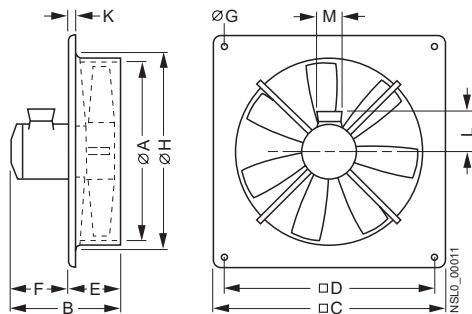


Wall-installation type
2CC. 252 to 2CC2 634, 2CC. 636, 2CC. 716

For the dimensions of any fixing supports, see the associated dimensional drawing.



Device-version type
2CC.1RA..

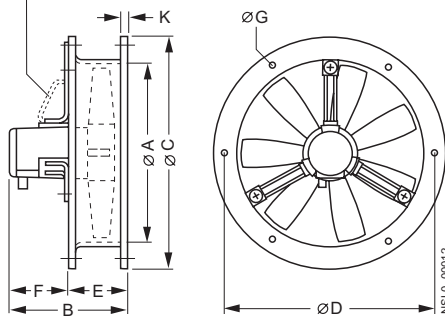


Wall-installation type
2CC2 (EEx), 2CC. 714 and 2CC4 634

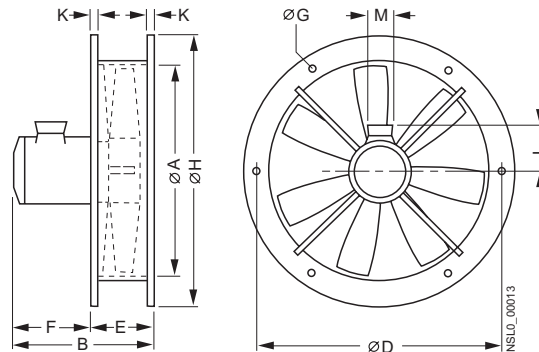
| Fan type 2CC2, 2CC4 | Ø A (= fan size) | Wall installation | | | | | | | With three-phase motor or AC motor 50 and 60 Hz | | | | With three-phase motor in EEx, 50 Hz | | | | Device version With three-phase or AC motor, 50 Hz | | | |
|---------------------------|---------------------|-------------------|-----|-----|------------|-----|----|-------------------|---|-------------------|-------------------|-----|---|-----|-----|-----|--|-----------|-------|--|
| | | □ C | □ D | E | 4 x Ø G | Ø H | K | B | F | L | M | B | F | L | M | Ø N | B 2CC2 | B 2CC4 | Ø P | |
| With 2-pole motors | | | | | | | | | | | | | | | | | | | | |
| 2CC. 252 | 250 | 360 | 330 | 95 | 9.5 | 270 | 10 | 249 | 154 | -- | -- | -- | -- | -- | -- | 247 | 237 | 237 | 124 | |
| 2CC. 312 | 315 | 440 | 410 | 95 | 9.5 | 340 | 10 | 249 | 154 | -- | -- | -- | -- | -- | -- | 311 | 237 | 237 | 124 | |
| 2CC. 352 | 355 | 475 | 430 | 95 | 9.5 | 385 | 10 | 323 | 228 | -- | -- | -- | -- | -- | -- | 351 | 316 | 316 | 152.5 | |
| 2CC. 402 | 400 | 500 | 450 | 115 | 9.5 | 430 | 10 | 311 | 196 | -- | -- | -- | -- | -- | -- | 391 | 312 | 312 | 152.5 | |
| With 4-pole motors | | | | | | | | | | | | | | | | | | | | |
| 2CC. 254 | 250 | 360 | 330 | 95 | 9.5 | 270 | 10 | 249 | 154 | -- | -- | 275 | 180 | 138 | 110 | 246 | 238 | 237 | 124 | |
| 2CC. 314 | 315 | 440 | 410 | 95 | 9.5 | 340 | 10 | 249 | 154 | -- | -- | 275 | 180 | 138 | 110 | 310 | 238 | 237 | 124 | |
| 2CC. 354 | 355 | 475 | 430 | 95 | 9.5 | 385 | 10 | 249 | 154 | -- | -- | 275 | 180 | 138 | 110 | 350 | 238 | 241 | 124 | |
| 2CC. 404 | 400 | 500 | 450 | 115 | 9.5 | 430 | 10 | 247 | 132 | -- | -- | 295 | 180 | 138 | 110 | 395 | 238 | 237 | 124 | |
| 2CC. 454 | 450 | 575 | 535 | 140 | 9.5 | 500 | 16 | 262 | 122 | -- | -- | 352 | 212 | 154 | 110 | 444 | 247 | 253 | 124 | |
| 2CC. 504 | 500 | 655 | 615 | 145 | 9.5 | 550 | 16 | 329 | 184 | -- | -- | 357 | 212 | 154 | 110 | 494 | 322 | 318 | 152.5 | |
| 2CC. 564 | 560 | 725 | 675 | 160 | 11.5 | 610 | 16 | 331 | 171 | -- | -- | 420 | 260 | 160 | 110 | 554 | 322 | 323 | 152.5 | |
| 2CC. 634 | 630 | 805 | 750 | 170 | 11.5 | 680 | 16 | 341 | 171 | -- | -- | 430 | 260 | 160 | 110 | 624 | 322 | 323 | 152.5 | |
| 2CC. 714 | 710 | 895 | 835 | 210 | 11.5 | 770 | 16 | 462 ¹⁾ | 252 ¹⁾ | 158 ¹⁾ | 110 ¹⁾ | -- | -- | -- | -- | -- | -- | -- | -- | |
| With 6-pole motors | | | | | | | | | | | | | | | | | | | | |
| 2CC. 456 | 450 | 575 | 535 | 140 | 9.5 | 500 | 16 | 262 | 122 | -- | -- | 328 | 188 | 146 | 110 | 444 | 247 | 253 | 124 | |
| 2CC. 506 | 500 | 655 | 615 | 145 | 9.5 | 550 | 16 | 329 | 184 | -- | -- | 333 | 188 | 146 | 110 | 494 | 322 | 318 | 152.5 | |
| 2CC. 566 | 560 | 725 | 675 | 160 | 11.5 | 610 | 16 | 331 | 171 | -- | -- | 372 | 212 | 154 | 110 | 554 | 322 | 323 | 152.5 | |
| 2CC. 636 | 630 | 805 | 750 | 170 | 11.5 | 680 | 16 | 341 | 171 | -- | -- | 382 | 212 | 154 | 110 | 624 | 322 | 323 | 152.5 | |
| 2CC. 716 | 710 | 895 | 835 | 210 | 11.5 | 770 | 16 | 381 | 171 | -- | -- | 470 | 260 | 160 | 110 | 702 | 320 | 331 | 152.5 | |

1) 50 Hz dimensions, at 60 Hz: B = 563 mm, F = 353 mm, L = 196 mm, M = 122 mm.

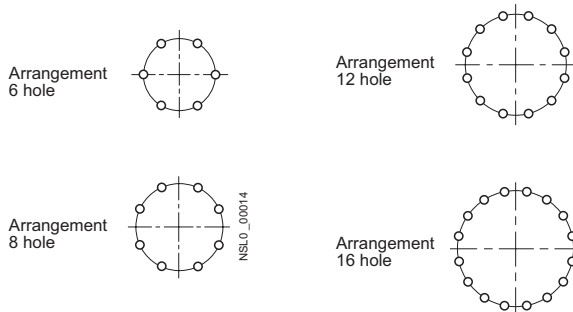
for 2CC. 352, 2CC. 402
and from 2CC. 56.



Pipe-installation type
2CC2 252 to 2CC2 634, 2CC. 636, 2CC. 716



Pipe-installation type
2CC2 (EEx), 2CC. 714 and 2CC4 634



Flange hole pattern

| Fan type 2CC2, 2CC4 | Ø A (= fan size) | Pipe installation | | | | | | | | | | | | | |
|---------------------------|---------------------|-------------------|-----|-----|-----------|-----|-----|--|-------------------|-------------------|-------------------|---|-----|-----|-----|
| | | | | | | | | With three-phase motor and AC motor 50 and 60 Hz | | | | With three-phase motor in EEx, 50 Hz | | | |
| | | Ø C | Ø D | E | Ø G | Ø H | K | B | F | L | M | B | F | L | M |
| With 2-pole motors | | | | | | | | | | | | | | | |
| 2CC. 252 | 250 | 306 | 286 | 110 | 6 x 7 | 306 | 2 | 249 | 139 | -- | -- | -- | -- | -- | -- |
| 2CC. 312 | 315 | 382 | 356 | 105 | 8 x 9.5 | 382 | 2 | 249 | 144 | -- | -- | -- | -- | -- | -- |
| 2CC. 352 | 355 | 421 | 395 | 105 | 8 x 9.5 | 421 | 2 | 323 | 218 | -- | -- | -- | -- | -- | -- |
| 2CC. 402 | 400 | 464 | 438 | 120 | 12 x 9.5 | 464 | 2.5 | 311 | 191 | -- | -- | -- | -- | -- | -- |
| With 4-pole motors | | | | | | | | | | | | | | | |
| 2CC. 254 | 250 | 306 | 286 | 110 | 6 x 7 | 306 | 2 | 249 | 139 | -- | -- | 290 | 180 | 138 | 110 |
| 2CC. 314 | 315 | 382 | 356 | 105 | 8 x 9.5 | 382 | 2 | 249 | 144 | -- | -- | 285 | 180 | 138 | 110 |
| 2CC. 354 | 355 | 421 | 395 | 105 | 8 x 9.5 | 421 | 2 | 249 | 144 | -- | -- | 285 | 180 | 138 | 110 |
| 2CC. 404 | 400 | 464 | 438 | 120 | 12 x 9.5 | 464 | 2.5 | 247 | 127 | -- | -- | 300 | 180 | 138 | 110 |
| 2CC. 454 | 450 | 513 | 487 | 140 | 12 x 9.5 | 513 | 2.5 | 262 | 122 | -- | -- | 352 | 212 | 154 | 110 |
| 2CC. 504 | 500 | 567 | 541 | 140 | 12 x 9.5 | 567 | 2.5 | 329 | 189 | -- | -- | 352 | 212 | 154 | 110 |
| 2CC. 564 | 560 | 639 | 605 | 140 | 16 x 11.5 | 639 | 2.5 | 331 | 191 | -- | -- | 400 | 260 | 160 | 110 |
| 2CC2 634 | 630 | 708 | 674 | 165 | 16 x 11.5 | 708 | 2.5 | 336 | 171 | -- | -- | 425 | 260 | 160 | 110 |
| 2CC4 634 | 630 | 708 | 674 | 165 | 16 x 11.5 | 708 | 2.5 | 425 | 260 | 160 | 110 | 425 | 260 | 160 | 110 |
| 2CC. 714 | 710 | 785 | 751 | 220 | 16 x 11.5 | 785 | 2.5 | 472 ¹⁾ | 252 ¹⁾ | 158 ¹⁾ | 110 ¹⁾ | -- | -- | -- | -- |
| With 6-pole motors | | | | | | | | | | | | | | | |
| 2CC. 456 | 450 | 513 | 487 | 140 | 12 x 9.5 | 513 | 2.5 | 262 | 122 | -- | -- | 328 | 188 | 146 | 110 |
| 2CC. 506 | 500 | 567 | 541 | 140 | 12 x 9.5 | 567 | 2.5 | 329 | 189 | -- | -- | 328 | 188 | 146 | 110 |
| 2CC. 566 | 560 | 639 | 605 | 140 | 16 x 11.5 | 639 | 2.5 | 331 | 191 | -- | -- | 352 | 212 | 154 | 110 |
| 2CC. 636 | 630 | 708 | 674 | 165 | 16 x 11.5 | 708 | 2.5 | 336 | 171 | -- | -- | 377 | 212 | 154 | 110 |
| 2CC. 716 | 710 | 785 | 751 | 180 | 16 x 11.5 | 785 | 2.5 | 351 | 171 | -- | -- | 440 | 260 | 160 | 110 |

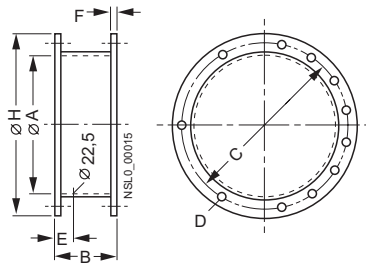
1) 50 Hz dimensions, at 60 Hz: B = 573 mm, F = 353 mm, L = 196 mm, M = 122 mm.

2CC low-pressure axial fans

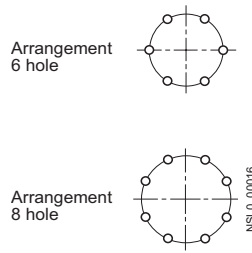
Configuring aids

Accessories

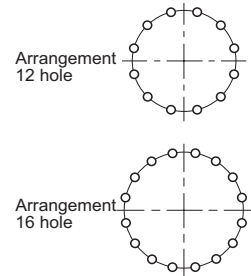
Pipe sections for extending the fan casing when using pipe installation



2CC2 500 to 2CC2 513



Flange hole pattern

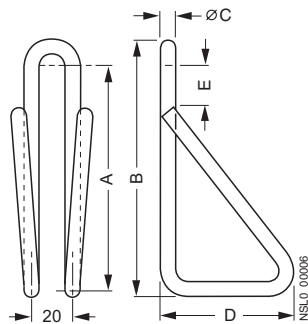
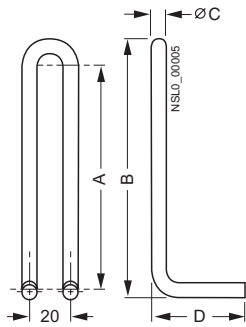
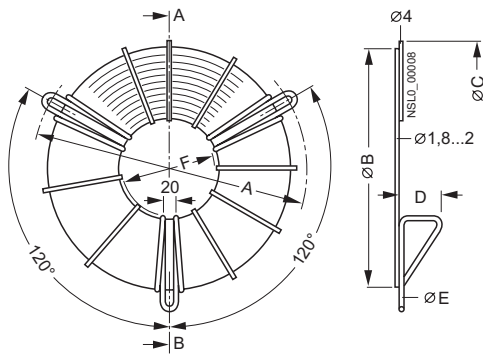
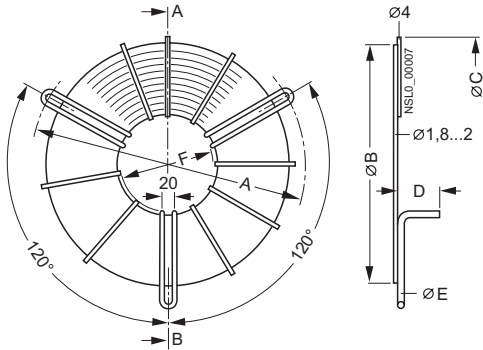


| Fan type 2CC2, 2CC4 | Pipe section Type | Ø A (= fan size) | B | C | D | E | F | Ø H |
|--------------------------------|----------------------|---------------------|-----|-----|----------|----|-----|-----|
| 2CC. 252-1F..., 2CC. 254-1F... | 2CX2 500 | 250 | 150 | 286 | 6 x 7 | 40 | 2 | 306 |
| 2CC. 312-1F..., 2CC. 314-1F... | 2CX2 502 | 315 | 155 | 356 | 8 x 9.5 | 40 | 2 | 382 |
| 2CC. 352-1F... | 2CX2 503 | 355 | 225 | 395 | 8 x 9.5 | 45 | 2 | 421 |
| 2CC. 354-1F... | 2CX2 504 | 355 | 155 | 395 | 8 x 9.5 | 40 | 2 | 421 |
| 2CC. 402-1F... | 2CX2 505 | 400 | 200 | 438 | 12 x 9.5 | 45 | 2.5 | 464 |
| 2CC. 404-1F... | 2CX2 506 | 400 | 135 | 438 | 12 x 9.5 | 40 | 2.5 | 464 |
| 2CC. 454-1F..., 2CC. 456-1F... | 2CX2 508 | 450 | 135 | 487 | 12 x 9.5 | 45 | 2.5 | 513 |
| 2CC. 504-1F..., 2CC. 506-1F... | 2CX2 510 | 500 | 200 | 541 | 12 x 9.5 | 45 | 2.5 | 567 |
| 2CC. 564-1F..., 2CC. 566-1F... | 2CX2 511 | 560 | 200 | 605 | 16 x 9.5 | 45 | 2.5 | 639 |
| 2CC. 634-1F..., 2CC. 636-1F... | 2CX2 512 | 630 | 185 | 674 | 16 x 9.5 | 45 | 2.5 | 708 |
| 2CC. 716-1F... | 2CX2 513 | 710 | 185 | 751 | 16 x 9.5 | 45 | 2.5 | 785 |

2CC low-pressure axial fans

Configuring aids

Fixing supports for device version



| Fan type 2CC2, 2CC4 | Fixing supports Type | A | Ø B | Ø C | D | Ø E | F |
|------------------------|-------------------------|-----|-----|-----|----|-----|-------|
| 2CC. 252, 2CC. 254 | 2CX2 337 | 320 | 254 | 282 | 47 | 7 | 121.5 |
| 2CC. 312, 2CC. 314 | 2CX2 338 | 384 | 334 | 362 | 65 | 7 | 121.5 |
| 2CC. 354 | 2CX2 340 | 425 | 374 | 402 | 70 | 7 | 121.5 |
| 2CC. 404 | 2CX2 342 | 460 | 414 | 442 | 70 | 7 | 121.5 |
| 2CC. 454, 2CC. 456 | 2CX2 343 | 535 | 494 | 522 | 47 | 7 | 121.5 |
| 2CC. 504, 2CC. 506 | 2CX2 344 | 590 | 534 | 562 | 47 | 8 | 151 |

| Fan type 2CC2, 2CC4 | Fixing supports Type | A | Ø B | Ø C | D | Ø E | F |
|------------------------|-------------------------|-----|-----|-----|----|-----|-----|
| 2CC. 352 | 2CX2 341 | 425 | 374 | 402 | 90 | 7 | 151 |
| 2CC. 402 | 2CX2 347 | 460 | 414 | 442 | 70 | 7 | 151 |
| 2CC. 564, 2CC. 566 | 2CX2 348 | 650 | 594 | 622 | 70 | 7 | 151 |
| 2CC. 634, 2CC. 636 | 2CX2 350 | 720 | 654 | 682 | 70 | 8 | 151 |
| 2CC. 716 | 2CX2 351 | 820 | 754 | 782 | 70 | 8 | 151 |

| Fan type 2CC2, 2CC4 | Fixing supports Type | A | B | Ø C | D |
|------------------------|-------------------------|-----|-----|-----|----|
| 2CC. 252, 2CC. 254 | 2CX2 310 | 97 | 114 | 7 | 47 |
| 2CC. 312, 2CC. 314 | 2CX2 311 | 130 | 147 | 7 | 65 |
| 2CC. 354 | 2CX2 312 | 149 | 166 | 7 | 70 |
| 2CC. 404 | 2CX2 314 | 167 | 184 | 7 | 70 |
| 2CC. 454, 2CC. 456 | 2CX2 315 | 204 | 221 | 7 | 47 |
| 2CC. 504, 2CC. 506 | 2CX2 316 | 217 | 235 | 8 | 47 |
| 2CC. 252, 2CC. 254 | 2CX2 324 | 43 | 60 | 7 | 47 |
| 2CC. 312, 2CC. 314 | 2CX2 325 | 76 | 93 | 7 | 55 |
| 2CC. 354 | 2CX2 326 | 96 | 113 | 7 | 60 |
| 2CC. 404 | 2CX2 328 | 119 | 136 | 7 | 47 |
| 2CC. 454, 2CC. 456 | 2CX2 330 | 146 | 163 | 7 | 47 |
| 2CC. 504, 2CC. 506 | 2CX2 332 | 155 | 172 | 7 | 47 |

| Fan type 2CC2, 2CC4 | Fixing supports Type | A | B | Ø C | D | E |
|------------------------|-------------------------|-------|-------|-----|----|----|
| 2CC. 352 | 2CX2 313 | 134.5 | 151.5 | 7 | 90 | 22 |
| 2CC. 402 | 2CX2 320 | 152 | 169 | 7 | 70 | 22 |
| 2CC. 564, 2CC. 566 | 2CX2 321 | 247 | 264 | 7 | 70 | 22 |
| 2CC. 634, 2CC. 636 | 2CX2 322 | 281.5 | 300 | 8 | 70 | 22 |
| 2CC. 716 | 2CX2 323 | 331.5 | 350 | 8 | 70 | 22 |
| 2CC. 352 | 2CX2 327 | 79.5 | 96.5 | 7 | 90 | 22 |
| 2CC. 402 | 2CX2 331 | 102 | 119 | 7 | 70 | 22 |
| 2CC. 564, 2CC. 566 | 2CX2 334 | 182 | 199 | 7 | 70 | 22 |
| 2CC. 634, 2CC. 636 | 2CX2 335 | 216.5 | 235 | 8 | 70 | 22 |
| 2CC. 716 | 2CX2 336 | 256.5 | 275 | 8 | 70 | 22 |

2CC low-pressure axial fans

Notes

2



2CQ medium-pressure axial fans

3



| | |
|------|------------------|
| 3/2 | General data |
| 3/8 | 2CQ4 fans |
| 3/12 | 2CQ5 fans |
| 3/16 | 2CQ6 fans |
| 3/20 | Options |
| 3/20 | Special versions |
| 3/21 | Configuring aids |



2CQ medium-pressure axial fans

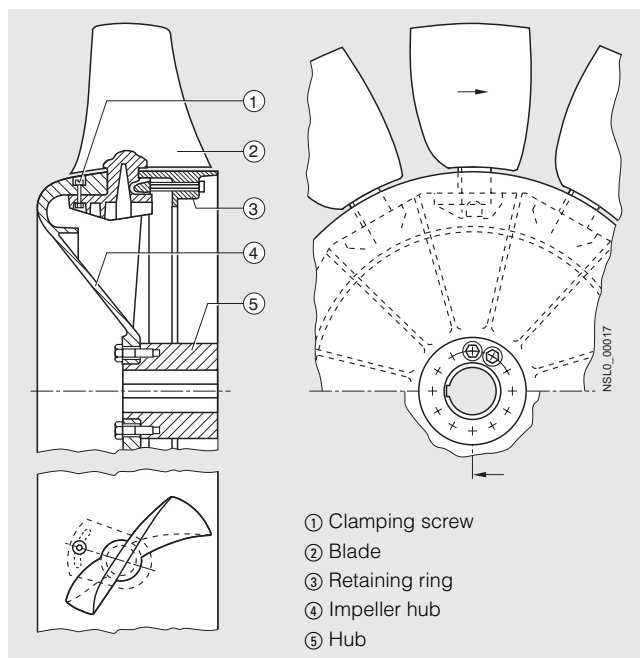
General data

Overview



2CQ5 medium-pressure axial fans

2CQ medium-pressure axial fans convey large volumetric flows against medium to high pressure differences at high efficiency. High quality, optimum operating costs (thanks to the option to carry out adaptation in accordance with the working point) and low maintenance times ensure that the fans operate efficiently.



Blade-adjustment design

The impellers are dynamically weighted (quality class Q 6.3) in accordance with VDI 2060.

The maximum permissible peripheral speed is 100 m/s.

Enclosure

2CQ4: Single-part pipe enclosure with flanges on the suction and pressure sides and motor receiver, without guiding vane.

2CQ5 and 2CQ6: Impeller and support enclosure screwed to flanges; with guiding vane and motor receiver in support enclosure, enclosure terminal box.

Enclosure material sheet-steel:

- Up to and including size 1000: EPS-coated
- From size 1250 upwards: spray-lacquered; color RAL 7032.

Flanges according to DIN 24154, Sheet 2.

Hinged servicing cover in impeller and support enclosure on request.

Drive

Direct drives with surface-cooled squirrel-cage motors are designed with IP55 degree of protection.

2CQ4: Motors of type IM B3, with terminal box, type series 1LA, 1MA or similar.

2CQ5 and 2CQ6: Motors of type IM B14 or IM B5, depending on size, without self-ventilator with led-through cables.

Bearings

The motors' rolling-contact bearings are lubricated for life, up to and including motor size 250; for bearing type and size, see Catalog M 11.

In order to protect the bearings from premature failure, the maximum permissible bearing loads must not be exceeded.

Application

The fans are used:

- To cool electrical machines;
- For installation in ventilation and air-conditioning systems;
- In process engineering;
- To ventilate manufacturing shops;
- In testing systems.

The fans with direct drives are suitable for conveying air and slightly corrosive gases and vapors at conveyor temperatures of 20 °C to +40 °C. Other conveyor temperatures may be possible on request.

Please contact us if the fans are to be installed in hazardous areas or are to be used to extract air from such areas.

Please contact us if the fans are to convey pump media containing a large amount of dust, particularly hygroscopic dust.

Benefits

The medium-pressure axial fans are characterized by a wide range of possible applications.

This wide range of applications is made possible as there are three series with a variable number of blades and optimum size grading according to standard range NR 10 with a wheel diameter from 315 mm to 1600 mm, with 9 sizes per series.

Size 2000 mm on request.

Design

Impeller

The standard impeller has blades that can be adjusted individually when at a standstill. The setting angle can be changed without disassembling the wheel. The hub and blades are made from high-quality cast silumin that is resistant to maritime climates. Additional surface protection (EPS coating or spray lacquer) is available on request. The impellers are fixed to the shaft end via the hub hole with a fitted key (in accordance with DIN 748-3).

Configuration

Performance data

All the performance data listed in the catalog assume an undisturbed flow (e.g., inlet nozzle) and refer to a conveyor density of $\delta = 1.2 \text{ kg/m}^3$, air temperature of $20 \text{ }^\circ\text{C}$ and atmospheric pressure of 1013 mbar.

The static pressure increase, depending on the volumetric flow and the speed, is represented in the families of characteristics.

If larger motors are to be installed or provided, please consult with us; when motors are provided, the startup time also has to be checked.

An approximate startup time can be determined using the formula below:

$$t_a = 9.5 \frac{I \times n^2}{P_N} 10^{-6}$$

t_a = Startup time in s

I = Inertia of the impeller in kg m^2

n = Fan speed in rpm

P_N = Rated power of the drive motor in kW

The "Technical specifications" refer to measurements taken on a standard test stand in accordance with DIN 24163.

Explosion protection

On request.

Installation, operating notes

The fans are designed to be mounted on pipes or installed in pipes.

If the fans are sucking freely, an inlet nozzle is required in order to achieve the aerodynamic and acoustic data.

When operating the fans within range of personnel, an additional protective grille must be used (see DIN 31001).

The listed fans with direct drives can be installed in the axis positions according to the following table. Other installation positions can be used by applying special measures (on request).

The fans must be installed correctly as regards flow, i.e., additional pressure drops must be avoided. For example, pipes running toward the fan should be installed in a straight run for a length of approximately $3 \times D_{\text{pipe}}$. Pipe turn-arounds should be kept to a minimum.

The standard conveying direction of 2CQ fans is "blowing via the motor", thus the direction of rotation is clockwise when looking in the conveying direction, i.e., to the right. The 2CQ4 series can also be supplied with a conveying direction "sucking via the motor"; in this case the direction of rotation when looking in the conveying direction is to the right.

| Fan size | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 |
|-------------|-----|-----|-----|-----|-----|------|------|------|
| 2CQ4 | | | | | | | | |
| | x | x | x | x | x | x | x | x |
| | x | x | x | x | x | 1) | x | 1) |
| | x | x | x | x | x | 1) | x | 1) |
| | x | x | x | x | x | 1) | x | 1) |
| | x | x | x | x | x | 1) | x | 1) |
| 2CQ5 | | | | | | | | |
| | x | x | x | x | x | x | x | x |
| | x | x | x | x | x | x | x | x |
| | x | x | x | x | x | x | x | x |
| 2CQ6 | | | | | | | | |
| | x | x | x | x | x | x | x | x |
| | x | x | x | x | x | 2) | 2) | 2) |
| | x | x | x | x | x | x | x | x |

Axis position of standard fans with direct drive

1) Enclosure reinforcement required, on request.

2) Reinforced bearings required, on request.

2CQ medium-pressure axial fans

General data

Technical specifications

Noise

The unweighted sound power level L_{W^*} is specified in the "Selection and ordering data" in accordance with DIN 45635, Part 1.

The data assume medium throttling. In the case of alternating working points, an increase in the sound pressure level of between 2 dB and 3 dB should be expected.

The octave sound power level can be of use when designing silencers.

$$L_{W_{oct}} = L_{W^*} - \Delta L_{W_{oct}} \text{ (dB)}$$

The formula below is used to convert an unweighted sound power level to an A-weighted sound power level:

$$L_{WA} = L_{W^*} - \Delta L_{WA} \text{ (dB(A))}$$

$\Delta L_{W_{oct}}$ and ΔL_{WA} can be found in Table 3/1, depending on the speed.

The energetic mean value \bar{L}_{pA} (measuring-surface sound-pressure level) of 8 measuring points is determined as follows:

$$\bar{L}_{pA} = L_{WA} - L_s \text{ (dB(A))}$$

where $L_s = 10 \log S$ (measuring-surface measurement).

| Fan speed <i>n</i> rpm | ΔL_{WA} dB | Octave band mid frequency in Hz | | | | | | | | |
|------------------------------|-----------------------|---------------------------------|----|-----|-----|-----|------|------|------|------|
| | | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| > 3000 | 2 | 19 | 14 | 9 | 8 | 5 | 7 | 11 | 13 | 16 |
| 2000 ≤ 3000 | 3 | 16 | 11 | 8 | 7 | 6 | 8 | 12 | 14 | 19 |
| > 1000 < 2,000 | 5 | 13 | 8 | 6 | 6 | 8 | 10 | 13 | 16 | 22 |
| ≤ 1000 | 7 | 8 | 6 | 6 | 8 | 10 | 12 | 16 | 21 | 26 |

Table 3/1

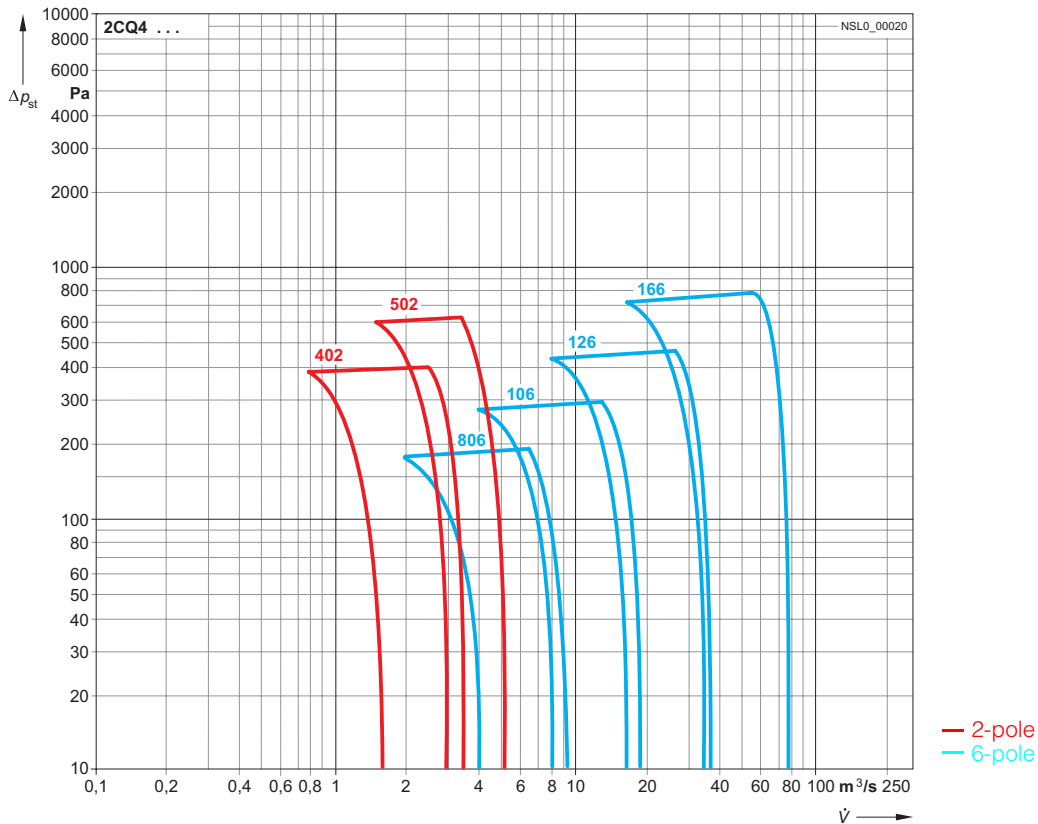
| Fan size L_s^{-1} | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 |
|------------------------|-----|-----|-----|-----|-----|------|------|------|
| dB | 10 | 10 | 11 | 11 | 12 | 12 | 13 | 14 |

Table 3/2

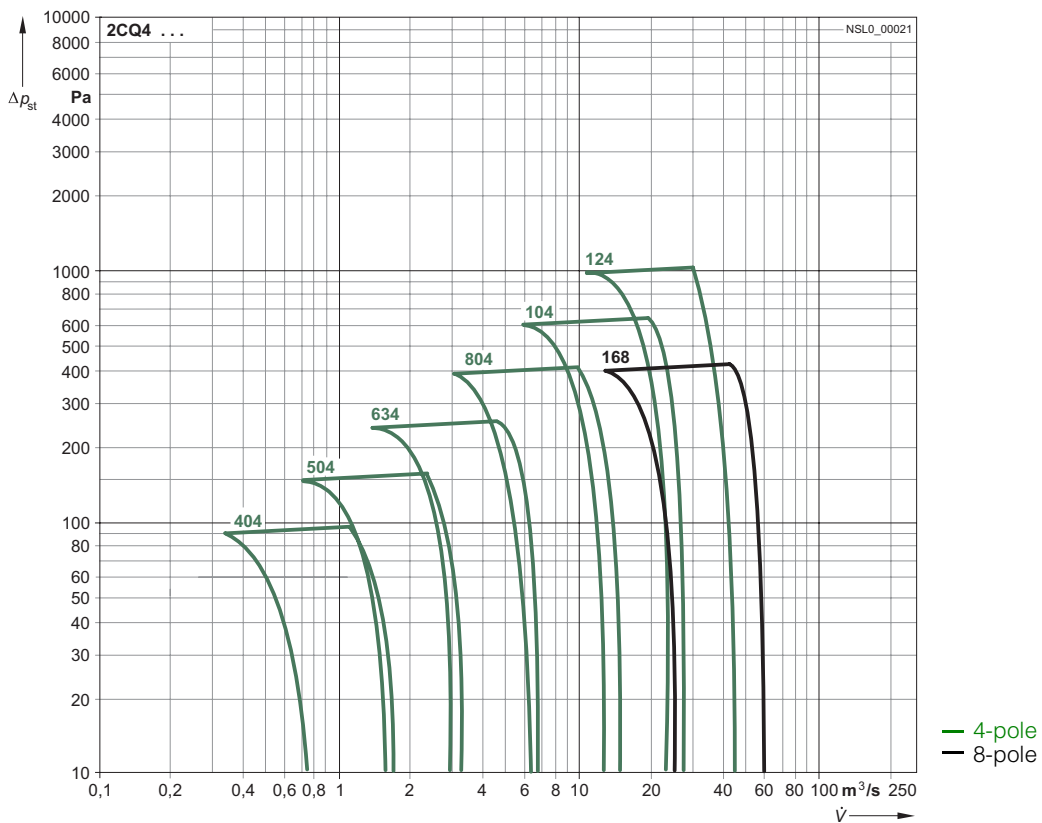
1) Practical values for hemispherical measurement (hemispherical surface at 1 m distance).

Family of characteristics

2CQ4 fans with 2- and 6-pole motors



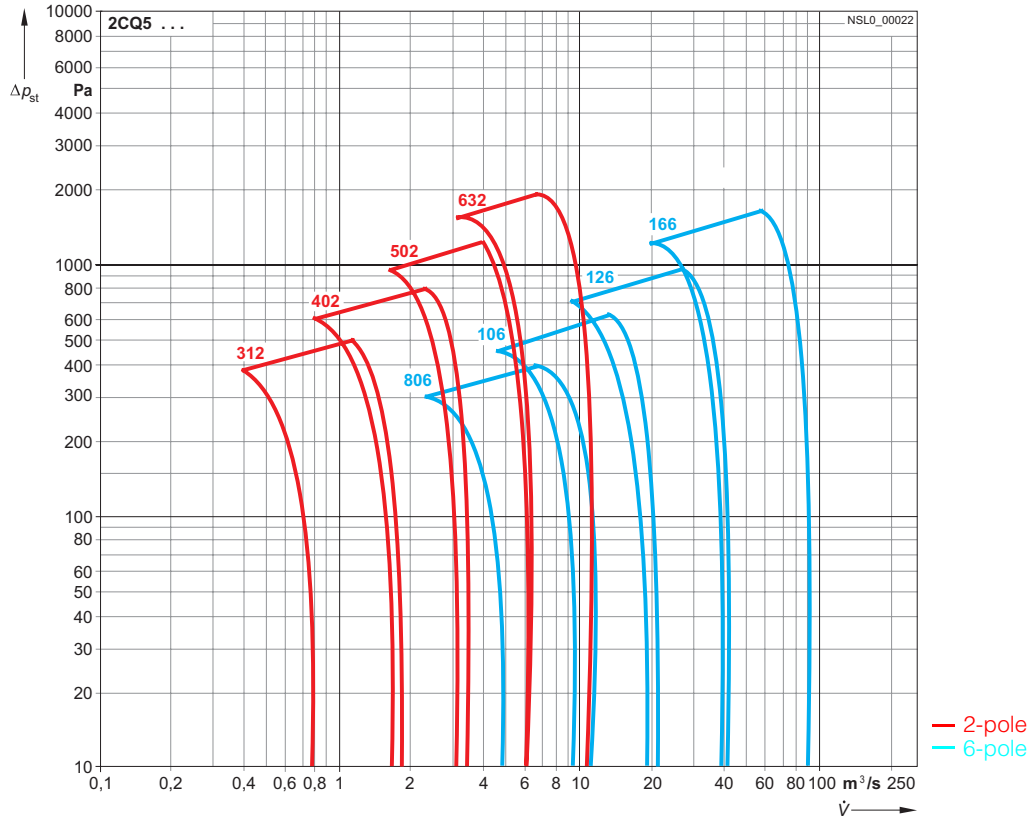
2CQ4 fans with 4- and 8-pole motors



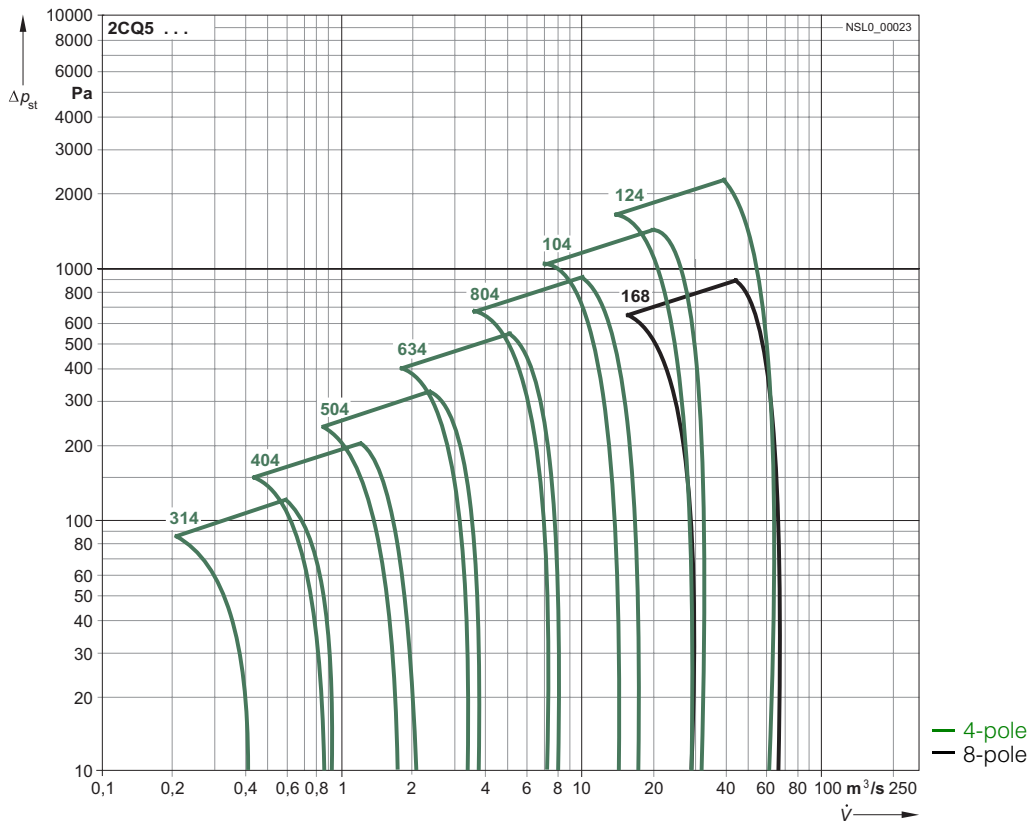
2CQ medium-pressure axial fans

General data

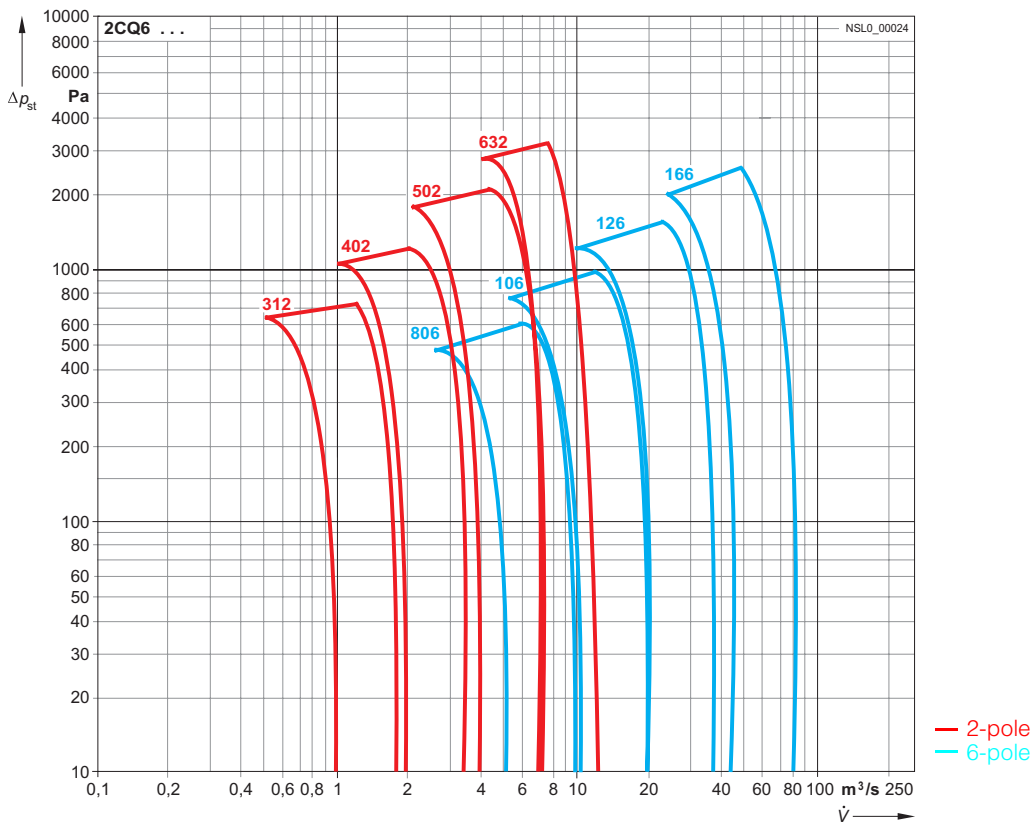
2CQ5 fans with 2- and 6-pole motors



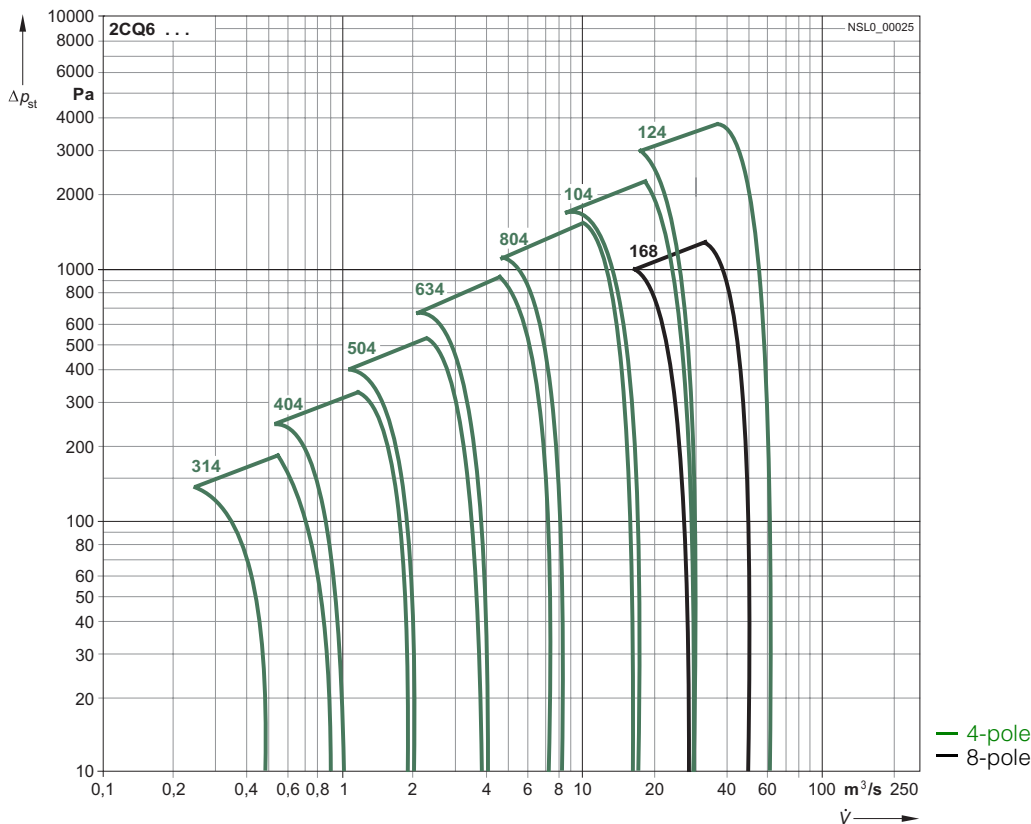
2CQ5 fans with 4- and 8-pole motors



2CQ6 fans with 2- and 6-pole motors



2CQ6 fans with 4- and 8-pole motors



2CQ medium-pressure axial fans

2CQ4 fans

Selection and ordering data

| Fan | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|-------------------|----------------|
| Size | Volumetric flow \dot{V} in m ³ /s with a pressure increase Δp_{st} of ... Pa | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}^{2)}$ | $L_{w^*}^{3)}$ |
| | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | Pa | in ° | kW | dB |
| | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | | | | |
| With 2-pole motors | | | | | | | | | | | | | | | | | | | |
| 400 | 1.91 | 1.84 | 1.73 | 1.63 | 1.52 | 1.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 375 | 13 | 0.75 | 91 |
| | 2.42 | 2.33 | 2.23 | 2.15 | 2.04 | 1.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 395 | 20 | 1.1 | 93 |
| | 2.84 | 2.74 | 2.63 | 2.53 | 2.43 | 2.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 398 | 27 | 1.5 | 95 |
| | 3.20 | 3.12 | 3.04 | 2.91 | 2.80 | 2.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 398 | 35 | 2.05 | 97 |
| 500 | 3.73 | 3.63 | 3.50 | 3.39 | 3.28 | 3.13 | 2.83 | 2.52 | 1.90 | -- | -- | -- | -- | -- | -- | 630 | 12 | 2.2 | 97 |
| | 4.50 | 4.39 | 4.28 | 4.21 | 4.08 | 3.94 | 3.66 | 3.30 | 2.88 | -- | -- | -- | -- | -- | -- | 630 | 18 | 3.0 | 99 |
| | 5.23 | 5.15 | 5.00 | 4.91 | 4.78 | 4.68 | 4.39 | 4.08 | 3.66 | -- | -- | -- | -- | -- | -- | 635 | 24 | 4.0 | 101 |
| With 4-pole motors | | | | | | | | | | | | | | | | | | | |
| 400 | 1.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 89 | 20 | 0.12 | 77 |
| | 1.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 89 | 28 | 0.18 | 79 |
| | 1.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 89 | 35 | 0.23 | 81 |
| 500 | 1.56 | 1.28 | 0.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 154 | 10 | 0.25 | 82 |
| | 2.09 | 1.81 | 1.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 150 | 18 | 0.37 | 85 |
| | 2.55 | 2.29 | 1.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 150 | 26 | 0.55 | 87 |
| | 2.93 | 2.64 | 2.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 150 | 34 | 0.75 | 89 |
| 630 | 4.13 | 3.82 | 3.48 | 3.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 246 | 16 | 1.1 | 91 |
| | 4.96 | 4.65 | 4.34 | 3.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 246 | 23 | 1.5 | 93 |
| | 5.87 | 5.53 | 5.20 | 4.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 246 | 31 | 2.2 | 95 |
| | 6.20 | 5.85 | 5.46 | 5.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 246 | 35 | 2.48 | 96 |
| 800 | 7.75 | 7.47 | 7.0 | 6.64 | 6.13 | 5.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 386 | 13 | 3 | 97 |
| | 9.24 | 8.94 | 8.63 | 8.24 | 7.75 | 7.27 | 5.85 | -- | -- | -- | -- | -- | -- | -- | -- | 400 | 19 | 4 | 99 |
| | 10.8 | 10.5 | 10.1 | 9.75 | 9.30 | 8.84 | 7.47 | -- | -- | -- | -- | -- | -- | -- | -- | 403 | 25 | 5.5 | 100 |
| | 12.4 | 12.0 | 11.7 | 11.3 | 10.7 | 10.3 | 8.80 | -- | -- | -- | -- | -- | -- | -- | -- | 403 | 32 | 7.5 | 102 |
| | 12.8 | 12.5 | 12.0 | 11.7 | 11.2 | 10.6 | 9.00 | -- | -- | -- | -- | -- | -- | -- | -- | 403 | 35 | 8.1 | 103 |
| 1000 | 13.6 | 13.3 | 12.9 | 12.5 | 11.9 | 11.5 | 10.3 | 9.01 | 7.0 | -- | -- | -- | -- | -- | -- | 628 | 10 | 7.5 | 103 |
| | 17.2 | 16.8 | 16.4 | 15.8 | 15.3 | 14.9 | 13.6 | 12.4 | 10.7 | -- | -- | -- | -- | -- | -- | 628 | 16 | 11 | 105 |
| | 20.4 | 19.9 | 19.6 | 19.2 | 18.7 | 18.2 | 17.1 | 16.0 | 14.4 | -- | -- | -- | -- | -- | -- | 640 | 23 | 15 | 106 |
| | 22.3 | 21.9 | 21.5 | 21.0 | 20.4 | 19.9 | 19.0 | 17.7 | 16.0 | -- | -- | -- | -- | -- | -- | 640 | 27 | 18.5 | 108 |
| | 24.0 | 23.7 | 23.3 | 22.8 | 22.2 | 21.7 | 20.5 | 19.3 | 17.6 | -- | -- | -- | -- | -- | -- | 640 | 31 | 22 | 109 |
| | 25.5 | 25.0 | 24.6 | 23.9 | 23.5 | 23.0 | 21.7 | 20.4 | 18.6 | -- | -- | -- | -- | -- | -- | 640 | 35 | 25 | 110 |
| 1250 | 26.9 | 26.6 | 26.1 | 25.4 | 25.0 | 24.5 | 23.4 | 22.2 | 20.9 | 19.0 | 17.2 | 14.8 | -- | -- | -- | 985 | 10 | 22 | 110 |
| | 32.1 | 31.7 | 31.2 | 30.7 | 30.0 | 29.6 | 28.5 | 27.5 | 25.8 | 24.3 | 22.6 | 20.6 | -- | -- | -- | 985 | 15 | 30 | 112 |
| | 36.2 | 35.8 | 35.2 | 34.8 | 34.4 | 33.7 | 32.8 | 31.6 | 30.0 | 28.8 | 27.1 | 24.7 | 21.5 | -- | -- | 1002 | 19 | 37 | 113 |
| | 39.8 | 39.3 | 38.7 | 38.3 | 37.8 | 37.2 | 36.0 | 34.8 | 33.6 | 32.0 | 30.5 | 28.6 | 26.1 | -- | -- | 1009 | 22 | 45 | 114 |
| | 44.0 | 43.4 | 42.7 | 42.3 | 41.5 | 41.2 | 40.1 | 38.7 | 37.6 | 36.0 | 34.5 | 32.7 | 30.4 | -- | -- | 1016 | 27 | 55 | 115 |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe ver- sion approx. |
|---------------------------|-------|-------------|-------------|---------------------------|------------------------|------|-----|-----------------------|--|
| | Size | Rated power | Rated speed | Rated voltage at AC 50 Hz | Rated current at 400 V | | | | |
| | | kW | rpm | | | A | | | kg |
| With 2-pole motors | | | | | | | | | |
| 400 | 80 | 0.75 | 2860 | △ 230 V/Y 400 V | | 1.73 | C | 2CQ4 402-1□C13 | 1 unit 14 |
| | 80 | 1.1 | 2850 | △ 230 V/Y 400 V | | 2.4 | C | 2CQ4 402-2□C13 | 1 unit 14 |
| | 90 S | 1.5 | 2860 | △ 230 V/Y 400 V | | 3.25 | C | 2CQ4 402-3□C13 | 1 unit 14 |
| | 90 L | 2.2 | 2860 | △ 230 V/Y 400 V | | 4.6 | C | 2CQ4 402-4□C13 | 1 unit 14 |
| 500 | 90 L | 2.2 | 2860 | △ 230 V/Y 400 V | | 4.6 | C | 2CQ4 502-1□C13 | 1 unit 24 |
| | 100 L | 3.0 | 2895 | △ 230 V/Y 400 V | | 6.1 | C | 2CQ4 502-2□C13 | 1 unit 24 |
| | 112 M | 4.0 | 2895 | △ 230 V/Y 400 V | | 7.8 | C | 2CQ4 502-3□C13 | 1 unit 24 |
| With 4-pole motors | | | | | | | | | |
| 400 | 63 | 0.12 | 1350 | △ 230 V/Y 400 V | | 0.42 | C | 2CQ4 404-1□C13 | 1 unit 14 |
| | 63 | 0.18 | 1350 | △ 230 V/Y 400 V | | 0.56 | C | 2CQ4 404-2□C13 | 1 unit 14 |
| | 71 | 0.25 | 1350 | △ 230 V/Y 400 V | | 0.77 | C | 2CQ4 404-3□C13 | 1 unit 14 |
| 500 | 71 | 0.25 | 1350 | △ 230 V/Y 400 V | | 0.77 | C | 2CQ4 504-1□C13 | 1 unit 24 |
| | 71 | 0.37 | 1370 | △ 230 V/Y 400 V | | 1.06 | C | 2CQ4 504-2□C13 | 1 unit 24 |
| | 80 | 0.55 | 1395 | △ 230 V/Y 400 V | | 1.44 | C | 2CQ4 504-3□C13 | 1 unit 24 |
| | 80 | 0.75 | 1395 | △ 230 V/Y 400 V | | 1.86 | C | 2CQ4 504-4□C13 | 1 unit 24 |
| 630 | 90 S | 1.1 | 1415 | △ 230 V/Y 400 V | | 2.55 | C | 2CQ4 634-1□C13 | 1 unit 45 |
| | 90 L | 1.5 | 1420 | △ 230 V/Y 400 V | | 3.4 | C | 2CQ4 634-2□C13 | 1 unit 45 |
| | 100 L | 2.2 | 1420 | △ 230 V/Y 400 V | | 4.7 | C | 2CQ4 634-3□C13 | 1 unit 45 |
| | 100 L | 3.0 | 1420 | △ 230 V/Y 400 V | | 6.4 | C | 2CQ4 634-4□C13 | 1 unit 45 |
| 800 | 100 L | 3.0 | 1420 | △ 230 V/Y 400 V | | 6.4 | C | 2CQ4 804-1□C13 | 1 unit 79 |
| | 112 M | 4.0 | 1440 | △ 230 V/Y 400 V | | 8.2 | C | 2CQ4 804-2□C13 | 1 unit 79 |
| | 132 S | 5.5 | 1455 | △ 400 V/Y 690 V | | 11.4 | C | 2CQ4 804-3□C63 | 1 unit 79 |
| | 132 M | 7.5 | 1455 | △ 400 V/Y 690 V | | 15.2 | C | 2CQ4 804-4□C63 | 1 unit 79 |
| | 160 M | 11 | 1460 | △ 400 V/Y 690 V | | 21.5 | C | 2CQ4 804-5□C63 | 1 unit 79 |
| 1000 | 132 M | 7.5 | 1455 | △ 400 V/Y 690 V | | 15.2 | C | 2CQ4 104-1□C63 | 1 unit 126 |
| | 160 M | 11 | 1460 | △ 400 V/Y 690 V | | 21.5 | C | 2CQ4 104-2□C63 | 1 unit 126 |
| | 160 L | 15 | 1460 | △ 400 V/Y 690 V | | 28.5 | C | 2CQ4 104-3□C63 | 1 unit 126 |
| | 180 M | 18.5 | 1460 | △ 400 V/Y 690 V | | 35.5 | C | 2CQ4 104-4□C63 | 1 unit 126 |
| | 180 L | 22 | 1460 | △ 400 V/Y 690 V | | 41.5 | C | 2CQ4 104-5□C63 | 1 unit 126 |
| | 200 L | 30 | 1465 | △ 400 V/Y 690 V | | 55 | C | 2CQ4 104-6□C63 | 1 unit 126 |
| 1250 | 180 L | 22 | 1460 | △ 400 V/Y 690 V | | 41.5 | C | 2CQ4 124-1□C63 | 1 unit 280 |
| | 200 L | 30 | 1465 | △ 400 V/Y 690 V | | 55 | C | 2CQ4 124-2□C63 | 1 unit 280 |
| | 225 S | 37 | 1470 | △ 400 V/Y 690 V | | 66 | C | 2CQ4 124-3□C63 | 1 unit 280 |
| | 225 M | 45 | 1470 | △ 400 V/Y 690 V | | 80 | C | 2CQ4 124-4□C63 | 1 unit 280 |
| | 250 M | 55 | 1480 | △ 400 V/Y 690 V | | 100 | C | 2CQ4 124-5□C63 | 1 unit 280 |

Order No. supplement



Pipe-version fan

A



Pipe-version fan with feet

B



Fan with inlet nozzle and protective grille

C



Fan with inlet nozzle, protective grille and feet

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring aids".

2CQ medium-pressure axial fans

2CQ4 fans

Fan

Size Volumetric flow \dot{V} in m³/s with a pressure increase Δp_{st} of ... Pa

| Size | Volumetric flow \dot{V} in m ³ /s | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}^{2)}$ | $\frac{L_w}{3}$ ³⁾ |
|---------------------------|--|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|----------------------|--------------------------------|-------------------|-------------------------------|
| | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | | | | |
| With 6-pole motors | | | | | | | | | | | | | | | | | | | |
| 800 | 4.35 | 3.74 | 2.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 170 | 11 | 0.75 | 87 |
| | 5.61 | 4.99 | 4.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 170 | 18 | 1.1 | 89 |
| | 6.67 | 6.07 | 5.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 173 | 24 | 1.5 | 91 |
| | 7.91 | 7.27 | 6.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 170 | 34 | 2.2 | 93 |
| | 8.12 | 7.38 | 6.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 170 | 35 | 2.26 | 94 |
| 1000 | 10.5 | 9.81 | 9.12 | 8.16 | 6.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 272 | 15 | 3.0 | 96 | |
| | 12.4 | 11.8 | 11.2 | 10.2 | 9.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 282 | 20 | 4.0 | 97 | |
| | 14.4 | 13.8 | 13.0 | 12.1 | 11.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 282 | 27 | 5.5 | 99 | |
| | 16.5 | 15.8 | 15.0 | 14.1 | 12.8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 278 | 35 | 7.3 | 101 | |
| 1250 | 18.3 | 17.5 | 16.7 | 15.9 | 15.0 | 13.8 | 10.8 | -- | -- | -- | -- | -- | -- | -- | 448 | 11 | 7.5 | 101 | |
| | 23.7 | 23.0 | 22.3 | 21.3 | 20.5 | 19.4 | 16.7 | -- | -- | -- | -- | -- | -- | -- | 452 | 19 | 11 | 104 | |
| | 27.7 | 26.9 | 26.0 | 25.1 | 24.2 | 23.1 | 20.6 | -- | -- | -- | -- | -- | -- | -- | 455 | 25 | 15 | 105 | |
| | 30.2 | 29.4 | 28.4 | 27.5 | 26.6 | 25.5 | 22.8 | -- | -- | -- | -- | -- | -- | -- | 452 | 29 | 18.5 | 107 | |
| | 32.4 | 31.5 | 30.7 | 29.6 | 28.4 | 27.4 | 24.9 | -- | -- | -- | -- | -- | -- | -- | 445 | 34 | 22 | 108 | |
| | 32.9 | 32.0 | 31.1 | 30.0 | 29.1 | 28.0 | 25.3 | -- | -- | -- | -- | -- | -- | -- | 445 | 35 | 22.6 | 109 | |
| 1600 | 43.3 | 42.4 | 41.6 | 40.5 | 39.6 | 38.2 | 35.8 | 33.2 | 29.6 | 26.0 | -- | -- | -- | -- | 720 | 14 | 30 | 111 | |
| | 49.0 | 48.0 | 47.3 | 46.1 | 45.6 | 44.4 | 42.0 | 39.2 | 35.8 | 32.2 | -- | -- | -- | -- | 746 | 18 | 37 | 112 | |
| | 54.4 | 53.6 | 52.7 | 52.0 | 50.7 | 49.6 | 47.6 | 44.8 | 41.5 | 38.0 | -- | -- | -- | -- | 757 | 22 | 45 | 113 | |
| | 59.9 | 59.1 | 58.2 | 57.1 | 56.1 | 54.8 | 52.5 | 49.7 | 46.7 | 43.3 | -- | -- | -- | -- | 757 | 26 | 55 | 114 | |
| | 68.6 | 67.4 | 66.7 | 65.5 | 64.4 | 63.1 | 60.6 | 57.6 | 54.6 | 49.9 | -- | -- | -- | -- | 757 | 34 | 75 | 115 | |
| | 69.9 | 68.7 | 67.6 | 67.0 | 65.7 | 64.3 | 61.6 | 58.9 | 55.4 | 51.0 | -- | -- | -- | -- | 751 | 35 | 78 | 116 | |
| With 8-pole motors | | | | | | | | | | | | | | | | | | | |
| 1600 | 29.3 | 27.8 | 26.1 | 24.7 | 23.0 | 21.0 | 14.3 | -- | -- | -- | -- | -- | -- | -- | 410 | 11 | 11 | 103 | |
| | 35.6 | 34.4 | 33.0 | 31.6 | 29.6 | 27.6 | 22.2 | -- | -- | -- | -- | -- | -- | -- | 418 | 17 | 15 | 105 | |
| | 39.8 | 38.6 | 37.2 | 35.7 | 34.0 | 40.6 | 26.6 | -- | -- | -- | -- | -- | -- | -- | 421 | 21 | 18.5 | 106 | |
| | 43.8 | 42.6 | 40.9 | 39.4 | 37.8 | 36.1 | 31.6 | -- | -- | -- | -- | -- | -- | -- | 421 | 25 | 22 | 107 | |
| | 49.8 | 48.4 | 46.7 | 45.0 | 42.8 | 41.5 | 36.4 | -- | -- | -- | -- | -- | -- | -- | 421 | 32 | 30 | 109 | |
| | 52.2 | 50.4 | 49.0 | 47.0 | 45.5 | 43.4 | 37.5 | -- | -- | -- | -- | -- | -- | -- | 421 | 35 | 37 | 110 | |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

2CQ medium-pressure axial fans

2CQ4 fans

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe version approx. |
|---------------------------|-------|-------------------|--------------------|------------------------------|--------------------------------|----|-----------------------|--------|---|
| | Size | Rated power kW | Rated speed rpm | Rated voltage at AC 50 Hz | Rated current at 400 V A | | | | |
| With 6-pole motors | | | | | | | | | |
| 800 | 90 S | 0.75 | 915 | △ 230 V/Υ 400 V | 2.85 | C | 2CQ4 806-1□C13 | 1 unit | 79 |
| | 90 L | 1.1 | 915 | △ 230 V/Υ 400 V | 2.85 | C | 2CQ4 806-2□C13 | 1 unit | 79 |
| | 100 L | 1.5 | 925 | △ 230 V/Υ 400 V | 3.9 | C | 2CQ4 806-3□C13 | 1 unit | 79 |
| | 112 M | 2.2 | 940 | △ 230 V/Υ 400 V | 5.2 | C | 2CQ4 806-4□C13 | 1 unit | 79 |
| | 132 S | 3.0 | 950 | △ 400 V/Υ 690 V | 7.2 | C | 2CQ4 806-5□C63 | 1 unit | 79 |
| 1000 | 132 S | 3.0 | 950 | △ 400 V/Υ 690 V | 7.2 | C | 2CQ4 106-1□C63 | 1 unit | 126 |
| | 132 M | 4.0 | 950 | △ 400 V/Υ 690 V | 9.4 | C | 2CQ4 106-2□C63 | 1 unit | 126 |
| | 132 M | 5.5 | 950 | △ 400 V/Υ 690 V | 12.6 | C | 2CQ4 106-3□C63 | 1 unit | 126 |
| | 160 M | 7.5 | 960 | △ 400 V/Υ 690 V | 17 | C | 2CQ4 106-4□C63 | 1 unit | 126 |
| 1250 | 160 M | 7.5 | 960 | △ 400 V/Υ 690 V | 17 | C | 2CQ4 126-1□C63 | 1 unit | 280 |
| | 160 L | 11 | 960 | △ 400 V/Υ 690 V | 24.5 | C | 2CQ4 126-2□C63 | 1 unit | 280 |
| | 180 L | 15 | 965 | △ 400 V/Υ 690 V | 29.5 | C | 2CQ4 126-3□C63 | 1 unit | 280 |
| | 200 L | 18.5 | 975 | △ 400 V/Υ 690 V | 36.5 | C | 2CQ4 126-4□C63 | 1 unit | 280 |
| | 200 L | 22 | 975 | △ 400 V/Υ 690 V | 43.5 | C | 2CQ4 126-5□C63 | 1 unit | 280 |
| | 225 M | 30 | 978 | △ 400 V/Υ 690 V | 57 | C | 2CQ4 126-6□C63 | 1 unit | 280 |
| 1600 | 225 M | 30 | 978 | △ 400 V/Υ 690 V | 57 | C | 2CQ4 166-1□C63 | 1 unit | 410 |
| | 250 M | 37 | 980 | △ 400 V/Υ 690 V | 70 | C | 2CQ4 166-2□C63 | 1 unit | 410 |
| | 280 S | 45 | 985 | △ 400 V/Υ 690 V | 83 | C | 2CQ4 166-3□C63 | 1 unit | 410 |
| | 280 M | 55 | 985 | △ 400 V/Υ 690 V | 100 | C | 2CQ4 166-4□C63 | 1 unit | 410 |
| | 315 S | 75 | 988 | △ 400 V/Υ 690 V | 138 | C | 2CQ4 166-5□C63 | 1 unit | 410 |
| | 315 M | 90 | 988 | △ 400 V/Υ 690 V | 164 | C | 2CQ4 166-6□C63 | 1 unit | 410 |
| With 8-pole motors | | | | | | | | | |
| 1600 | 180 L | 11 | 725 | △ 400 V/Υ 690 V | 24.5 | C | 2CQ4 168-1□C63 | 1 unit | 410 |
| | 200 L | 15 | 725 | △ 400 V/Υ 690 V | 31.5 | C | 2CQ4 168-2□C63 | 1 unit | 410 |
| | 225 S | 18.5 | 725 | △ 400 V/Υ 690 V | 38 | C | 2CQ4 168-3□C63 | 1 unit | 410 |
| | 225 M | 22 | 725 | △ 400 V/Υ 690 V | 44.5 | C | 2CQ4 168-4□C63 | 1 unit | 410 |
| | 250 M | 30 | 730 | △ 400 V/Υ 690 V | 58 | C | 2CQ4 168-5□C63 | 1 unit | 410 |
| | 280 S | 37 | 732 | △ 400 V/Υ 690 V | 71 | C | 2CQ4 168-6□C63 | 1 unit | 410 |

Order No. supplement



Pipe-version fan

A



Pipe-version fan with feet

B



Fan with inlet nozzle and protective grille

C



Fan with inlet nozzle, protective grille and feet

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring guides".

2CQ medium-pressure axial fans

2CQ5 fans

Selection and ordering data

| Fan | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|----------------------------|---------------------|
| Size | Volumetric flow \dot{V} in m ³ /s with a pressure increase Δp_{st} of ... Pa | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}$ ²⁾ | L_w ³⁾ |
| | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | Pa | in ° | kW | dB |
| | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | | | | |
| With 2-pole motors | | | | | | | | | | | | | | | | | | | |
| 315 | 1.07 | 1.02 | 0.98 | 0.92 | 0.86 | 0.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 390 | 18 | 0.41 | 85 |
| | 1.36 | 1.31 | 1.26 | 1.20 | 1.15 | 1.08 | 0.92 | -- | -- | -- | -- | -- | -- | -- | -- | 439 | 26 | 0.61 | 88 |
| | 1.61 | 1.56 | 1.52 | 1.45 | 1.40 | 1.33 | 1.18 | -- | -- | -- | -- | -- | -- | -- | -- | 470 | 34 | 0.83 | 91 |
| | 1.82 | 1.76 | 1.69 | 1.65 | 1.58 | 1.50 | 1.35 | -- | -- | -- | -- | -- | -- | -- | -- | 486 | 40 | 1.09 | 93 |
| 400 | 2.08 | 2.04 | 1.98 | 1.92 | 1.86 | 1.79 | 1.66 | 1.48 | 1.25 | -- | -- | -- | -- | -- | -- | 628 | 16 | 1.27 | 93 |
| | 2.52 | 2.48 | 2.42 | 2.37 | 2.30 | 2.24 | 2.10 | 1.92 | 1.70 | -- | -- | -- | -- | -- | -- | 682 | 22 | 1.65 | 95 |
| | 3.13 | 3.08 | 3.02 | 2.96 | 2.89 | 2.82 | 2.68 | 2.52 | 2.33 | 2.10 | -- | -- | -- | -- | -- | 744 | 31 | 2.4 | 98 |
| | 3.71 | 3.64 | 3.57 | 3.52 | 3.44 | 3.36 | 3.20 | 3.03 | 2.84 | 2.62 | -- | -- | -- | -- | -- | 798 | 39 | 3.3 | 100 |
| 500 | 4.54 | 4.48 | 4.41 | 4.34 | 4.29 | 4.23 | 4.09 | 3.92 | 3.78 | 3.58 | 3.37 | 3.13 | 2.84 | -- | -- | 1070 | 19 | 4.4 | 101 |
| | 5.53 | 5.46 | 5.37 | 5.33 | 5.26 | 5.19 | 5.0 | 4.89 | 4.74 | 4.50 | 4.33 | 4.13 | 3.88 | -- | -- | 1170 | 26 | 6.1 | 103 |
| | 6.51 | 6.45 | 6.38 | 6.31 | 6.21 | 6.14 | 5.99 | 5.83 | 5.67 | 5.49 | 5.26 | 5.06 | 4.84 | 4.21 | -- | 1245 | 33 | 8.3 | 105 |
| 630 | 8.54 | 8.45 | 8.38 | 8.29 | 8.22 | 8.16 | 7.99 | 7.82 | 7.65 | 7.44 | 7.26 | 7.0 | 6.80 | 6.29 | 5.73 | 1660 | 16 | 12.1 | 106 |
| | 10.1 | 10.0 | 9.96 | 9.87 | 9.78 | 9.71 | 9.58 | 9.39 | 9.21 | 9.0 | 8.83 | 8.66 | 8.43 | 7.94 | 7.37 | 1790 | 22 | 16.5 | 109 |
| | 11.6 | 11.5 | 11.4 | 11.3 | 11.2 | 11.1 | 11.0 | 10.8 | 10.6 | 10.4 | 10.2 | 10.0 | 9.75 | 9.30 | 8.80 | 1870 | 28 | 26.9 | 111 |
| With 4-pole motors | | | | | | | | | | | | | | | | | | | |
| 315 | 0.78 | 0.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 107 | 40 | 0.12 | 77 |
| 400 | 0.90 | 0.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 146 | 15 | 0.13 | 78 |
| | 1.17 | 1.03 | 0.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 162 | 23 | 0.2 | 79 |
| | 1.43 | 1.28 | 1.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 175 | 30 | 0.22 | 81 |
| | 1.74 | 1.57 | 1.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 186 | 40 | 0.41 | 85 |
| 500 | 1.89 | 1.73 | 1.56 | 1.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 240 | 15 | 0.41 | 83 |
| | 2.33 | 2.16 | 2.0 | 1.79 | 1.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 263 | 21 | 0.61 | 85 |
| | 2.83 | 2.67 | 2.48 | 2.29 | 2.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 280 | 29 | 0.83 | 88 |
| | 3.42 | 3.26 | 3.07 | 2.85 | 2.60 | 2.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 303 | 38 | 1.2 | 91 |
| 630 | 4.41 | 4.28 | 4.08 | 3.87 | 3.63 | 3.39 | 2.72 | -- | -- | -- | -- | -- | -- | -- | -- | 414 | 19 | 1.65 | 93 |
| | 5.46 | 5.30 | 5.10 | 4.90 | 4.68 | 4.41 | 3.82 | -- | -- | -- | -- | -- | -- | -- | -- | 456 | 26 | 2.4 | 95 |
| | 6.42 | 6.25 | 6.03 | 5.85 | 5.62 | 5.32 | 4.80 | -- | -- | -- | -- | -- | -- | -- | -- | 485 | 33 | 3.2 | 97 |
| | 7.31 | 7.10 | 6.90 | 6.69 | 6.38 | 6.08 | 5.50 | 4.73 | -- | -- | -- | -- | -- | -- | -- | 500 | 40 | 4.37 | 99 |
| 800 | 9.49 | 9.31 | 9.14 | 8.90 | 8.70 | 8.44 | 7.90 | 7.25 | 6.50 | -- | -- | -- | -- | -- | -- | 695 | 20 | 6.1 | 100 |
| | 11.5 | 11.3 | 11.1 | 10.8 | 10.6 | 10.4 | 9.83 | 9.22 | 8.53 | 7.52 | -- | -- | -- | -- | -- | 755 | 27 | 8.3 | 103 |
| | 14.1 | 13.9 | 13.7 | 13.4 | 13.1 | 12.8 | 12.3 | 11.7 | 11.0 | 10.2 | 9.1 | -- | -- | -- | -- | 810 | 36 | 12.1 | 106 |
| | 15.2 | 14.9 | 14.7 | 14.4 | 14.1 | 13.8 | 13.2 | 12.6 | 11.9 | 11.0 | 10.1 | -- | -- | -- | -- | 825 | 40 | 14.8 | 107 |
| 1000 | 17.5 | 17.3 | 17.0 | 16.8 | 16.5 | 16.1 | 15.5 | 14.8 | 14.0 | 12.9 | 12.0 | 10.5 | -- | -- | -- | 935 | 18 | 17.3 | 106 |
| | 19.2 | 19.0 | 18.7 | 18.4 | 18.0 | 17.8 | 17.0 | 16.4 | 15.6 | 14.6 | 13.7 | 12.3 | -- | -- | -- | 995 | 21 | 20.4 | 107 |
| | 21.4 | 21.2 | 20.9 | 20.6 | 20.3 | 19.9 | 19.3 | 18.6 | 17.7 | 16.8 | 15.9 | 14.6 | 13.3 | -- | -- | 1025 | 25 | 24.2 | 109 |
| | 25.5 | 25.1 | 24.9 | 24.5 | 24.1 | 23.8 | 23.0 | 22.3 | 21.6 | 20.6 | 20.0 | 18.6 | 17.3 | -- | -- | 1100 | 32 | 33 | 111 |
| | 28.3 | 27.9 | 27.5 | 27.2 | 26.7 | 26.4 | 25.7 | 24.9 | 24.0 | 23.0 | 22.3 | 21.1 | 19.8 | -- | -- | 1140 | 37 | 40.7 | 112 |
| | 29.9 | 29.5 | 29.2 | 28.7 | 28.3 | 27.9 | 27.2 | 26.3 | 25.4 | 24.4 | 23.5 | 22.5 | 21.3 | -- | -- | 1150 | 40 | 45 | 114 |
| 1250 | 33.4 | 33.3 | 33.1 | 32.7 | 32.2 | 31.9 | 31.5 | 30.7 | 30.0 | 29.2 | 28.5 | 27.8 | 26.7 | 24.8 | 22.7 | 1670 | 17 | 49.5 | 113 |
| | 36.5 | 36.3 | 36.0 | 35.8 | 35.5 | 35.0 | 34.6 | 33.9 | 33.2 | 32.5 | 31.7 | 30.9 | 30.0 | 28.0 | 26.1 | 1750 | 20 | 60.5 | 114 |
| | 45.0 | 44.8 | 44.5 | 44.2 | 43.6 | 43.3 | 42.7 | 42.1 | 41.3 | 40.5 | 39.7 | 39.0 | 38.0 | 36.1 | 34.0 | 1900 | 27 | 82.5 | 116 |
| | 49.8 | 49.5 | 49.1 | 48.8 | 48.5 | 48.1 | 47.5 | 46.6 | 45.9 | 45.0 | 44.2 | 43.5 | 42.5 | 40.8 | 39.0 | 1980 | 32 | 99 | 118 |
| | 54.7 | 54.3 | 54.0 | 53.5 | 53.1 | 52.7 | 52.1 | 51.2 | 50.5 | 49.7 | 48.9 | 48.0 | 47.1 | 45.1 | 43.3 | 2040 | 36 | 121 | 120 |
| | 58.7 | 58.2 | 57.6 | 57.2 | 56.6 | 56.3 | 55.6 | 54.6 | 54.0 | 53.1 | 52.2 | 51.2 | 50.3 | 48.3 | 46.4 | 2060 | 40 | 138 | 121 |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe ver- sion approx. |
|---------------------------|-------|-------------|-------------|---------------------------|------------------------|------|-----|-----------------------|--|
| | Size | Rated power | Rated speed | Rated voltage at AC 50 Hz | Rated current at 400 V | | | | |
| | | kW | rpm | | | A | | | kg |
| With 2-pole motors | | | | | | | | | |
| 315 | 71 | 0.41 | 2650 | △ 230 V/Y 400 V | | 1.13 | D | 2CQ5 312-1□B13 | 1 unit 15 |
| | 71 | 0.61 | 2750 | △ 230 V/Y 400 V | | 1.5 | D | 2CQ5 312-2□B13 | 1 unit 15 |
| | 80 | 0.83 | 2850 | △ 230 V/Y 400 V | | 1.9 | D | 2CQ5 312-3□B13 | 1 unit 15 |
| | 80 | 1.21 | 2815 | △ 230 V/Y 400 V | | 2.75 | D | 2CQ5 312-4□B13 | 1 unit 15 |
| 400 | 80 | 1.27 | 2815 | △ 230 V/Y 400 V | | 2.75 | D | 2CQ5 402-1□B13 | 1 unit 24 |
| | 90 S | 1.65 | 2840 | △ 230 V/Y 400 V | | 3.35 | D | 2CQ5 402-2□B13 | 1 unit 24 |
| | 90 L | 2.4 | 2860 | △ 230 V/Y 400 V | | 5.1 | D | 2CQ5 402-3□B13 | 1 unit 24 |
| | 100 L | 3.3 | 2855 | △ 230 V/Y 400 V | | 6.6 | D | 2CQ5 402-4□B13 | 1 unit 24 |
| 500 | 112 M | 4.4 | 2880 | △ 230 V/Y 400 V | | 8.9 | D | 2CQ5 502-1□B13 | 1 unit 38 |
| | 132 S | 6.1 | 2920 | △ 400 V/Y 690 V | | 11.5 | D | 2CQ5 502-2□B63 | 1 unit 38 |
| | 132 S | 8.3 | 2920 | △ 400 V/Y 690 V | | 15.5 | D | 2CQ5 502-3□B63 | 1 unit 38 |
| 630 | 160 M | 12.1 | 2925 | △ 400 V/Y 690 V | | 22.5 | D | 2CQ5 632-1□B63 | 1 unit 78 |
| | 160 M | 16.5 | 2925 | △ 400 V/Y 690 V | | 30 | D | 2CQ5 632-2□B63 | 1 unit 78 |
| | 160 L | 20.4 | 2975 | △ 400 V/Y 690 V | | 36 | D | 2CQ5 632-3□B63 | 1 unit 78 |
| With 4-pole motors | | | | | | | | | |
| 315 | 63 | 0.13 | 1290 | △ 230 V/Y 400 V | | 0.46 | D | 2CQ5 314-1□B13 | 1 unit 15 |
| 400 | 63 | 0.13 | 1290 | △ 230 V/Y 400 V | | 0.46 | D | 2CQ5 404-1□B13 | 1 unit 24 |
| | 63 | 0.2 | 1290 | △ 230 V/Y 400 V | | 0.62 | D | 2CQ5 404-2□B13 | 1 unit 24 |
| | 71 | 0.28 | 1340 | △ 230 V/Y 400 V | | 0.85 | D | 2CQ5 404-3□B13 | 1 unit 24 |
| | 71 | 0.41 | 1350 | △ 230 V/Y 400 V | | 1.15 | D | 2CQ5 404-4□B13 | 1 unit 24 |
| | 71 | 0.41 | 1350 | △ 230 V/Y 400 V | | 1.15 | D | 2CQ5 504-1□B13 | 1 unit 38 |
| 500 | 80 | 0.61 | 1385 | △ 230 V/Y 400 V | | 1.58 | D | 2CQ5 504-2□B13 | 1 unit 38 |
| | 80 | 0.83 | 1390 | △ 230 V/Y 400 V | | 2 | D | 2CQ5 504-3□B13 | 1 unit 38 |
| | 90 S | 1.2 | 1410 | △ 230 V/Y 400 V | | 2.85 | D | 2CQ5 504-4□B13 | 1 unit 38 |
| | 90 L | 1.65 | 1400 | △ 230 V/Y 400 V | | 3.75 | D | 2CQ5 634-1□B13 | 1 unit 78 |
| 630 | 100 L | 2.4 | 1410 | △ 230 V/Y 400 V | | 5.4 | D | 2CQ5 634-2□B13 | 1 unit 78 |
| | 100 L | 3.3 | 1400 | △ 230 V/Y 400 V | | 7.3 | D | 2CQ5 634-3□B13 | 1 unit 78 |
| | 112 M | 4.4 | 1430 | △ 230 V/Y 400 V | | 9.1 | D | 2CQ5 634-4□B13 | 1 unit 78 |
| | 132 S | 6.1 | 1445 | △ 400 V/Y 690 V | | 15 | D | 2CQ5 804-1□B63 | 1 unit 132 |
| 800 | 132 M | 8.3 | 1440 | △ 400 V/Y 690 V | | 17 | D | 2CQ5 804-2□B63 | 1 unit 132 |
| | 160 M | 12.1 | 1450 | △ 400 V/Y 690 V | | 24 | D | 2CQ5 804-3□B63 | 1 unit 132 |
| | 160 L | 16.5 | 1455 | △ 400 V/Y 690 V | | 31 | D | 2CQ5 804-4□B63 | 1 unit 132 |
| | 160 L | 17.3 | 1455 | △ 400 V/Y 690 V | | 31 | D | 2CQ5 104-1□B63 | 1 unit 217 |
| 1000 | 180 M | 20.4 | 1455 | △ 400 V/Y 690 V | | 33 | D | 2CQ5 104-2□B63 | 1 unit 217 |
| | 180 L | 24.2 | 1455 | △ 400 V/Y 690 V | | 45.5 | D | 2CQ5 104-3□B63 | 1 unit 217 |
| | 200 L | 33 | 1460 | △ 400 V/Y 690 V | | 60 | D | 2CQ5 104-4□B63 | 1 unit 217 |
| | 225 S | 40.7 | 1465 | △ 400 V/Y 690 V | | 73 | D | 2CQ5 104-5□B63 | 1 unit 217 |
| | 225 M | 49.5 | 1465 | △ 400 V/Y 690 V | | 88 | D | 2CQ5 104-6□B63 | 1 unit 217 |
| | 225 M | 49.5 | 1465 | △ 400 V/Y 690 V | | 88 | D | 2CQ5 124-1□B63 | 1 unit 592 |
| 1250 | 250 M | 60.5 | 1475 | △ 400 V/Y 690 V | | 110 | D | 2CQ5 124-2□B63 | 1 unit 592 |
| | 280 S | 82.5 | 1480 | △ 400 V/Y 690 V | | 150 | D | 2CQ5 124-3□B63 | 1 unit 592 |
| | 280 M | 99 | 1480 | △ 400 V/Y 690 V | | 176 | D | 2CQ5 124-4□B63 | 1 unit 592 |
| | 315 S | 121 | 1492 | △ 400 V/Y 690 V | | 218 | D | 2CQ5 124-5□B63 | 1 unit 592 |
| | 315 M | 145 | 1492 | △ 400 V/Y 690 V | | 259 | D | 2CQ5 124-6□B63 | 1 unit 592 |

Order No. supplement



Pipe-version fan



Pipe-version fan with feet



Fan with inlet nozzle and protective grille



Fan with inlet nozzle, protective grille and feet

A

B

C

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring guides".

2CQ medium-pressure axial fans

2CQ5 fans

Fan

Size Volumetric flow \dot{V} in m³/s with a pressure increase Δp_{st} of ... Pa

| Size | Volumetric flow \dot{V} in m ³ /s with a pressure increase Δp_{st} of ... Pa | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}^{2)}$ | $L_{w^*}^{3)}$ |
|------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|-------------------|----------------|
| | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | | | | |
| | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | Pa | in ° | kW | dB |

With 6-pole motors

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|-----|
| 800 | 5.94 | 5.62 | 5.25 | 4.80 | 4.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 295 | 19 | 1.65 | 91 |
| | 7.46 | 7.08 | 6.70 | 6.22 | 5.73 | 5.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 325 | 27 | 2.4 | 93 |
| | 8.85 | 8.47 | 8.07 | 7.61 | 7.12 | 6.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 345 | 35 | 3.3 | 96 |
| | 9.73 | 9.32 | 8.89 | 8.39 | 7.85 | 7.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 355 | 40 | 4.21 | 98 |
| 1000 | 11.0 | 10.5 | 10.1 | 9.61 | 9.12 | 8.56 | 7.07 | -- | -- | -- | -- | -- | -- | -- | -- | 450 | 16 | 4.4 | 96 |
| | 13.2 | 12.8 | 12.4 | 11.9 | 11.4 | 10.9 | 9.49 | -- | -- | -- | -- | -- | -- | -- | -- | 485 | 23 | 6.1 | 99 |
| | 15.8 | 15.4 | 14.9 | 14.5 | 13.9 | 13.3 | 12.0 | 10.4 | -- | -- | -- | -- | -- | -- | -- | 520 | 30 | 8.3 | 102 |
| | 19.4 | 18.8 | 18.4 | 17.8 | 17.2 | 16.6 | 15.3 | 13.8 | -- | -- | -- | -- | -- | -- | -- | 560 | 40 | 12.2 | 105 |
| 1250 | 23.8 | 23.4 | 23.0 | 22.4 | 21.9 | 21.4 | 20.0 | 18.7 | 17.0 | 14.9 | -- | -- | -- | -- | -- | 740 | 20 | 16.5 | 105 |
| | 27.5 | 26.9 | 26.4 | 25.8 | 25.3 | 24.8 | 32.5 | 22.2 | 20.7 | 18.5 | -- | -- | -- | -- | -- | 785 | 25 | 20.4 | 107 |
| | 29.6 | 29.1 | 28.6 | 28.0 | 27.3 | 26.8 | 25.6 | 24.3 | 22.8 | 20.8 | 17.9 | -- | -- | -- | -- | 810 | 28 | 24.2 | 108 |
| | 34.5 | 33.9 | 33.5 | 33.0 | 32.3 | 31.6 | 30.4 | 29.1 | 27.6 | 25.7 | 23.6 | -- | -- | -- | -- | 855 | 35 | 33 | 110 |
| | 38.0 | 37.5 | 36.8 | 36.0 | 35.5 | 34.9 | 33.5 | 32.0 | 30.4 | 28.4 | 26.5 | -- | -- | -- | -- | 875 | 40 | 39.1 | 112 |
| 1600 | 46.1 | 45.6 | 44.7 | 44.2 | 43.6 | 43.0 | 41.6 | 40.3 | 38.6 | 37.2 | 35.3 | 33.4 | 31.2 | 25.4 | -- | 1200 | 16 | 49.5 | 111 |
| | 50.9 | 50.0 | 49.7 | 49.0 | 48.6 | 48.0 | 46.6 | 45.5 | 44.0 | 42.6 | 40.6 | 38.6 | 36.4 | 31.3 | -- | 1265 | 20 | 60.5 | 113 |
| | 61.4 | 61.0 | 60.2 | 59.5 | 58.9 | 58.3 | 56.9 | 55.5 | 54.0 | 52.4 | 50.6 | 48.6 | 46.8 | 42.3 | -- | 1365 | 27 | 82.5 | 116 |
| | 67.7 | 67.2 | 66.4 | 65.7 | 65.1 | 64.5 | 63.1 | 61.5 | 59.8 | 58.4 | 56.4 | 54.7 | 52.6 | 48.5 | 42.3 | 1410 | 31 | 99 | 117 |
| | 75.6 | 74.8 | 74.0 | 73.4 | 72.5 | 71.7 | 70.0 | 68.6 | 67.1 | 65.5 | 64.0 | 61.8 | 59.8 | 55.7 | 50.0 | 1475 | 36 | 121 | 118 |
| | 81.6 | 80.7 | 79.6 | 78.6 | 78.0 | 77.3 | 75.7 | 74.0 | 72.2 | 70.6 | 68.9 | 66.8 | 64.6 | 60.0 | 55.0 | 1480 | 40 | 139 | 120 |

With 8-pole motors

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|-----|----|------|-----|
| 1600 | 34.6 | 33.9 | 33.1 | 32.1 | 31.3 | 30.0 | 27.8 | 25.7 | 22.6 | -- | -- | -- | -- | -- | -- | 670 | 17 | 20.4 | 105 |
| | 37.8 | 37.1 | 36.3 | 35.5 | 34.5 | 33.6 | 31.3 | 28.9 | 26.0 | 21.3 | -- | -- | -- | -- | -- | 700 | 20 | 24.2 | 106 |
| | 44.5 | 43.8 | 43.0 | 42.2 | 41.0 | 40.0 | 38.0 | 35.5 | 32.7 | 29.0 | -- | -- | -- | -- | -- | 760 | 26 | 33 | 108 |
| | 50.0 | 49.7 | 48.6 | 47.7 | 46.7 | 45.6 | 43.6 | 41.0 | 38.5 | 35.0 | -- | -- | -- | -- | -- | 780 | 31 | 40.7 | 110 |
| | 55.0 | 54.6 | 53.7 | 52.8 | 51.7 | 50.6 | 48.4 | 46.1 | 43.2 | 40.0 | 36.2 | -- | -- | -- | -- | 805 | 35 | 49.5 | 111 |
| | 60.0 | 59.4 | 58.4 | 57.4 | 56.3 | 54.8 | 52.5 | 50.0 | 47.1 | 44.1 | 40.0 | -- | -- | -- | -- | 830 | 40 | 58 | 113 |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

2CQ medium-pressure axial fans

2CQ5 fans

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe ver- sion approx. |
|---------------------------|-------|----------------|----------------|------------------------------|---------------------------|----|--|--------|---|
| | Size | Rated power | Rated speed | Rated voltage at AC 50 Hz | Rated current at 400 V | | | | |
| | | kW | rpm | | | A | Order No. Scope of delivery: Impeller, enclosure, motor (for order number supplement, see below) | | |
| kg | | | | | | | | | |
| With 6-pole motors | | | | | | | | | |
| 800 | 100 L | 1.65 | 910 | △ 230 V/Y 400 V | 4.3 | D | 2CQ5 806-1□B13 | 1 unit | 132 |
| | 112 M | 2.4 | 925 | △ 230 V/Y 400 V | 5.8 | D | 2CQ5 806-2□B13 | 1 unit | 132 |
| | 132 S | 3.3 | 930 | △ 400 V/Y 690 V | 8.6 | D | 2CQ5 806-3□B63 | 1 unit | 132 |
| | 132 M | 4.4 | 945 | △ 400 V/Y 690 V | 10.3 | D | 2CQ5 806-4□B63 | 1 unit | 132 |
| 1000 | 132 M | 4.4 | 945 | △ 400 V/Y 690 V | 10.3 | D | 2CQ5 106-1□B63 | 1 unit | 217 |
| | 132 M | 6.1 | 945 | △ 400 V/Y 690 V | 14.1 | D | 2CQ5 106-2□B63 | 1 unit | 217 |
| | 160 M | 8.3 | 950 | △ 400 V/Y 690 V | 19.5 | D | 2CQ5 106-3□B63 | 1 unit | 217 |
| | 160 L | 12.1 | 950 | △ 400 V/Y 690 V | 27.0 | D | 2CQ5 106-4□B63 | 1 unit | 217 |
| 1250 | 180 L | 16.5 | 965 | △ 400 V/Y 690 V | 34.5 | D | 2CQ5 126-1□B63 | 1 unit | 592 |
| | 200 L | 20.4 | 970 | △ 400 V/Y 690 V | 42.5 | D | 2CQ5 126-2□B63 | 1 unit | 592 |
| | 200 L | 24.2 | 970 | △ 400 V/Y 690 V | 50.0 | D | 2CQ5 126-3□B63 | 1 unit | 592 |
| | 225 M | 33 | 972 | △ 400 V/Y 690 V | 67.0 | D | 2CQ5 126-4□B63 | 1 unit | 592 |
| | 250 M | 40.7 | 975 | △ 400 V/Y 690 V | 77 | D | 2CQ5 126-5□B63 | 1 unit | 592 |
| 1600 | 280 S | 49.5 | 980 | △ 400 V/Y 690 V | 91.5 | D | 2CQ5 166-1□B63 | 1 unit | 724 |
| | 280 M | 60.5 | 980 | △ 400 V/Y 690 V | 110 | D | 2CQ5 166-2□B63 | 1 unit | 724 |
| | 315 S | 82.5 | 985 | △ 400 V/Y 690 V | 152 | D | 2CQ5 166-3□B63 | 1 unit | 724 |
| | 315 M | 99 | 985 | △ 400 V/Y 690 V | 180 | D | 2CQ5 166-4□B63 | 1 unit | 724 |
| | 315 L | 121 | 985 | △ 400 V/Y 690 V | 215 | D | 2CQ5 166-5□B63 | 1 unit | 724 |
| | 315 L | 145 | 985 | △ 400 V/Y 690 V | 259 | D | 2CQ5 166-6□B63 | 1 unit | 724 |
| With 8-pole motors | | | | | | | | | |
| 1600 | 225 S | 20.4 | 728 | △ 400 V/Y 690 V | 42.5 | D | 2CQ5 168-1□B63 | 1 unit | 724 |
| | 225 M | 24.2 | 728 | △ 400 V/Y 690 V | 49.5 | D | 2CQ5 168-2□B63 | 1 unit | 724 |
| | 250 M | 33 | 728 | △ 400 V/Y 690 V | 64.0 | D | 2CQ5 168-3□B63 | 1 unit | 724 |
| | 280 S | 40.7 | 732 | △ 400 V/Y 690 V | 79.0 | D | 2CQ5 168-4□B63 | 1 unit | 724 |
| | 280 M | 49.5 | 732 | △ 400 V/Y 690 V | 96 | D | 2CQ5 168-5□B63 | 1 unit | 724 |
| | 315 S | 60.5 | 738 | △ 400 V/Y 690 V | 117 | D | 2CQ5 168-6□B63 | 1 unit | 724 |

Order No. supplement



Pipe-version fan

A



Pipe-version fan with feet

B



Fan with inlet nozzle and protective grille

C



Fan with inlet nozzle, protective grille and feet

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring guides".

2CQ medium-pressure axial fans

2CQ6 fans

Selection and ordering data

| Fan | | | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}^{2)}$ | $L_{w^*}^{3)}$ |
|---------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|----------------------|--------------------------------|-------------------|----------------|
| Size | Volumetric flow \dot{V} in m ³ /s with a pressure increase Δp_{st} of ... Pa | | | | | | | | | | | | | | | | | | | |
| | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | Pa | in ° | kW | dB | |
| | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | | | | | |
| With 2-pole motors | | | | | | | | | | | | | | | | | | | | |
| 315 | 0.99 | 0.93 | 0.87 | 0.80 | 0.71 | 0.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 610 | 22 | 0.61 | 92 | |
| | 1.13 | 1.07 | 1.0 | 0.93 | 0.84 | 0.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 640 | 28 | 0.83 | 93 | |
| | 1.50 | 1.44 | 1.36 | 1.28 | 1.20 | 1.10 | 0.97 | -- | -- | -- | -- | -- | -- | -- | -- | 730 | 42 | 0.71 | 96 | |
| | 1.67 | 1.60 | 1.53 | 1.44 | 1.35 | 1.25 | 1.14 | -- | -- | -- | -- | -- | -- | -- | -- | 745 | 50 | 1.65 | 97 | |
| 400 | 1.87 | 1.79 | 1.72 | 1.65 | 1.57 | 1.48 | 1.37 | 1.27 | 1.16 | -- | -- | -- | -- | -- | -- | 970 | 17 | 1.65 | 99 | |
| | 2.34 | 2.27 | 2.19 | 2.12 | 2.03 | 1.94 | 1.84 | 1.74 | 1.63 | 1.52 | -- | -- | -- | -- | -- | 1070 | 27 | 2.4 | 100 | |
| | 2.80 | 2.73 | 2.66 | 2.57 | 2.49 | 2.40 | 2.29 | 2.18 | 2.07 | 1.94 | -- | -- | -- | -- | -- | 1175 | 36 | 3.3 | 102 | |
| | 3.24 | 3.16 | 3.07 | 2.99 | 2.91 | 2.81 | 2.70 | 2.60 | 2.47 | 2.35 | 2.0 | -- | -- | -- | -- | 1220 | 45 | 4.4 | 104 | |
| 500 | 4.04 | 3.96 | 3.87 | 3.78 | 3.68 | 3.58 | 3.50 | 3.38 | 3.27 | 3.17 | 2.95 | 2.66 | 2.27 | -- | -- | 1600 | 21 | 6.1 | 106 | |
| | 4.96 | 4.89 | 4.80 | 4.70 | 4.59 | 4.49 | 4.38 | 4.28 | 4.17 | 4.06 | 3.82 | 3.58 | 3.20 | -- | -- | 1770 | 31 | 8.3 | 108 | |
| | 6.11 | 6.00 | 5.92 | 5.83 | 5.72 | 5.62 | 5.50 | 5.41 | 5.30 | 5.18 | 4.93 | 4.70 | 4.31 | 3.92 | -- | 1910 | 42 | 12.1 | 111 | |
| | 6.82 | 6.75 | 6.62 | 6.51 | 6.39 | 6.28 | 6.18 | 6.08 | 5.93 | 5.83 | 5.56 | 5.28 | 4.96 | 4.58 | -- | 1970 | 50 | 16.5 | 112 | |
| 630 | 8.46 | 8.35 | 8.26 | 8.15 | 8.04 | 7.95 | 7.84 | 7.75 | 7.64 | 7.50 | 7.33 | 7.04 | 6.82 | 6.50 | 6.25 | 2720 | 23 | 20.4 | 114 | |
| | 9.09 | 9.00 | 8.86 | 8.75 | 8.66 | 8.58 | 8.46 | 8.35 | 8.24 | 8.12 | 7.89 | 7.61 | 7.38 | 7.07 | 6.82 | 2815 | 26 | 24.2 | 115 | |
| | 10.9 | 10.8 | 10.7 | 10.6 | 10.5 | 10.3 | 10.2 | 10.1 | 10.0 | 9.85 | 9.63 | 9.31 | 9.09 | 8.75 | 8.46 | 3050 | 35 | 33 | 116 | |
| | 12.2 | 12.1 | 12.0 | 11.9 | 11.8 | 11.7 | 11.6 | 11.4 | 11.3 | 11.2 | 11.0 | 10.7 | 10.4 | 10.1 | 9.77 | 3190 | 41 | 40.7 | 117 | |
| With 4-pole motors | | | | | | | | | | | | | | | | | | | | |
| 315 | 0.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 162 | 42 | 0.13 | 80 | |
| | 0.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 167 | 50 | 0.185 | 81 | |
| 400 | 0.87 | 0.74 | 0.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 310 | 18 | 0.20 | 83 | |
| | 1.07 | 0.95 | 0.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 345 | 27 | 0.28 | 85 | |
| | 1.34 | 1.20 | 1.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 375 | 38 | 0.41 | 87 | |
| | 1.60 | 1.45 | 1.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 395 | 49 | 0.61 | 89 | |
| 500 | 2.0 | 1.8 | 1.56 | 1.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 400 | 24 | 0.83 | 91 | |
| | 2.58 | 2.36 | 2.12 | 1.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 450 | 36 | 1.2 | 93 | |
| | 3.0 | 2.78 | 2.54 | 2.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 465 | 45 | 1.65 | 95 | |
| | 3.23 | 3.0 | 2.72 | 2.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 470 | 50 | 2.05 | 96 | |
| 630 | 4.07 | 3.84 | 3.58 | 3.28 | 2.97 | 2.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 650 | 23 | 2.4 | 99 | |
| | 4.90 | 4.69 | 4.41 | 4.14 | 3.80 | 3.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 695 | 32 | 3.20 | 101 | |
| | 5.74 | 5.49 | 5.24 | 4.95 | 4.60 | 4.24 | 3.73 | -- | -- | -- | -- | -- | -- | -- | -- | 750 | 40 | 4.4 | 102 | |
| | 6.59 | 6.33 | 6.03 | 5.75 | 5.40 | 4.99 | 4.59 | -- | -- | -- | -- | -- | -- | -- | -- | 770 | 49 | 6.1 | 104 | |
| 800 | 8.44 | 8.18 | 7.89 | 7.60 | 7.31 | 6.98 | 6.58 | 6.26 | 5.79 | 5.33 | -- | -- | -- | -- | -- | 1060 | 22 | 8.3 | 106 | |
| | 10.6 | 10.3 | 10.0 | 9.69 | 9.34 | 9.0 | 8.63 | 8.21 | 7.77 | 7.28 | -- | -- | -- | -- | -- | 1185 | 33 | 12.8 | 108 | |
| | 12.5 | 12.2 | 11.9 | 11.6 | 11.3 | 10.9 | 10.6 | 10.2 | 9.72 | 9.25 | 8.0 | -- | -- | -- | -- | 1270 | 42 | 16.5 | 109 | |
| | 13.5 | 13.2 | 12.9 | 12.6 | 12.2 | 11.8 | 11.5 | 11.0 | 10.6 | 10.2 | 9.0 | -- | -- | -- | -- | 1295 | 47 | 20.4 | 110 | |
| | 13.9 | 13.7 | 13.3 | 13.0 | 12.6 | 12.3 | 11.9 | 11.4 | 10.9 | 10.5 | 9.46 | -- | -- | -- | -- | 1295 | 50 | 22.4 | 111 | |
| 1000 | 15.6 | 15.3 | 15.0 | 14.8 | 14.4 | 14.0 | 13.6 | 13.3 | 12.8 | 12.4 | 11.5 | 10.5 | 9.4 | -- | -- | 1670 | 20 | 24.2 | 112 | |
| | 18.9 | 18.6 | 18.3 | 17.9 | 17.5 | 17.2 | 16.8 | 16.4 | 15.9 | 15.6 | 14.7 | 13.6 | 12.7 | 10.8 | -- | 1805 | 28 | 33 | 113 | |
| | 21.6 | 21.3 | 20.9 | 20.6 | 20.1 | 19.8 | 19.4 | 19.0 | 18.5 | 18.1 | 17.2 | 16.0 | 15.1 | 13.4 | -- | 1925 | 35 | 40.7 | 115 | |
| | 24.0 | 23.7 | 23.3 | 23.0 | 22.6 | 22.2 | 21.8 | 21.3 | 20.8 | 20.6 | 19.5 | 18.5 | 17.5 | 15.9 | -- | 1985 | 40 | 49.5 | 116 | |
| | 26.1 | 25.7 | 25.4 | 25.0 | 24.7 | 24.3 | 23.8 | 23.4 | 23.0 | 22.6 | 21.5 | 20.5 | 19.5 | 18.0 | 16.1 | 2025 | 46 | 60.5 | 118 | |
| 1250 | 33.0 | 32.6 | 32.2 | 31.8 | 31.3 | 30.8 | 30.4 | 30.2 | 29.5 | 29.1 | 28.2 | 27.3 | 26.3 | 25.1 | 24.1 | 2670 | 23 | 82.5 | 120 | |
| | 36.7 | 36.4 | 35.9 | 35.6 | 35.0 | 34.6 | 34.0 | 33.7 | 33.2 | 32.7 | 31.7 | 30.7 | 29.6 | 28.6 | 27.5 | 2850 | 28 | 99 | 121 | |
| | 40.9 | 40.5 | 40.0 | 39.6 | 39.2 | 38.7 | 38.3 | 38.0 | 37.4 | 36.9 | 35.9 | 34.9 | 33.9 | 32.8 | 31.5 | 3015 | 33 | 121 | 122 | |
| | 45.8 | 45.5 | 45.0 | 44.6 | 44.1 | 43.7 | 43.3 | 42.8 | 42.3 | 41.8 | 40.9 | 39.7 | 38.8 | 37.4 | 36.3 | 3100 | 39 | 145 | 123 | |
| | 49.9 | 49.5 | 49.1 | 48.6 | 48.2 | 47.7 | 47.1 | 46.9 | 46.2 | 45.8 | 44.7 | 43.5 | 42.7 | 41.5 | 40.2 | 3200 | 45 | 176 | 124 | |
| | 53.6 | 53.2 | 52.7 | 52.3 | 51.9 | 51.4 | 50.7 | 50.3 | 49.7 | 49.2 | 48.2 | 46.9 | 46.1 | 44.7 | 43.4 | 3250 | 50 | 208 | 125 | |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

2CQ medium-pressure axial fans

2CQ6 fans

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe ver- sion approx. |
|---------------------------|-------|-------------|-------------|---------------------------|------------------------|------|------|-----------------------|--|
| | Size | Rated power | Rated speed | Rated voltage at AC 50 Hz | Rated current at 400 V | | | | |
| | | kW | rpm | | | | | kg | |
| With 2-pole motors | | | | | | | | | |
| 315 | 71 | 0.61 | 2750 | △ 230 V/Y 400 V | | 1.5 | D | 2CQ6 312-1□B13 | 1 unit 18 |
| | 80 | 0.83 | 2850 | △ 230 V/Y 400 V | | 1.9 | D | 2CQ6 312-2□B13 | 1 unit 18 |
| | 80 | 1.21 | 2815 | △ 230 V/Y 400 V | | 2.75 | D | 2CQ6 312-3□B13 | 1 unit 18 |
| | 90 S | 1.65 | 2840 | △ 230 V/Y 400 V | | 3.55 | D | 2CQ6 312-4□B13 | 1 unit 18 |
| 400 | 90 S | 1.65 | 2840 | △ 230 V/Y 400 V | | 3.55 | D | 2CQ6 402-1□B13 | 1 unit 30 |
| | 90 L | 2.4 | 2860 | △ 230 V/Y 400 V | | 5.1 | D | 2CQ6 402-2□B13 | 1 unit 30 |
| | 100 L | 3.3 | 2855 | △ 230 V/Y 400 V | | 6.6 | D | 2CQ6 402-3□B13 | 1 unit 30 |
| | 112 M | 4.4 | 2880 | △ 230 V/Y 400 V | | 8.9 | D | 2CQ6 402-4□B13 | 1 unit 30 |
| 500 | 132 S | 6.1 | 2920 | △ 400 V/Y 690 V | | 11.5 | D | 2CQ6 502-1□B63 | 1 unit 54 |
| | 132 S | 8.3 | 2920 | △ 400 V/Y 690 V | | 15.5 | D | 2CQ6 502-2□B63 | 1 unit 54 |
| | 160 M | 12.1 | 2925 | △ 400 V/Y 690 V | | 22.5 | D | 2CQ6 502-3□B63 | 1 unit 54 |
| | 160 M | 16.5 | 2925 | △ 400 V/Y 690 V | | 30.0 | D | 2CQ6 502-4□B63 | 1 unit 54 |
| 630 | 160 L | 20.4 | 2915 | △ 400 V/Y 690 V | | 36.0 | D | 2CQ6 632-1□B63 | 1 unit 98 |
| | 180 M | 24.2 | 2915 | △ 400 V/Y 690 V | | 43.5 | D | 2CQ6 632-2□B63 | 1 unit 98 |
| | 200 L | 33 | 2925 | △ 400 V/Y 690 V | | 58 | D | 2CQ6 632-3□B63 | 1 unit 98 |
| | 200 L | 40.7 | 2925 | △ 400 V/Y 690 V | | 71.5 | D | 2CQ6 632-4□B63 | 1 unit 98 |
| With 4-pole motors | | | | | | | | | |
| 315 | 63 | 0.13 | 1290 | △ 230 V/Y 400 V | | 0.46 | D | 2CQ6 314-1□B13 | 1 unit 18 |
| | 63 | 0.20 | 1290 | △ 230 V/Y 400 V | | 0.52 | D | 2CQ6 314-2□B13 | 1 unit 18 |
| 400 | 63 | 2.20 | 1290 | △ 230 V/Y 400 V | | 0.62 | D | 2CQ6 404-1□B13 | 1 unit 30 |
| | 71 | 0.28 | 1340 | △ 230 V/Y 400 V | | 0.85 | D | 2CQ6 404-2□B13 | 1 unit 30 |
| | 71 | 0.41 | 1380 | △ 230 V/Y 400 V | | 1.15 | D | 2CQ6 404-3□B13 | 1 unit 30 |
| | 80 | 0.61 | 1380 | △ 230 V/Y 400 V | | 1.58 | D | 2CQ6 404-4□B13 | 1 unit 30 |
| 500 | 80 | 0.87 | 1390 | △ 230 V/Y 400 V | | 2.0 | D | 2CQ6 504-1□B13 | 1 unit 54 |
| | 90 S | 1.2 | 1410 | △ 230 V/Y 400 V | | 2.85 | D | 2CQ6 504-2□B13 | 1 unit 54 |
| | 90 L | 1.65 | 1400 | △ 230 V/Y 400 V | | 3.75 | D | 2CQ6 504-3□B13 | 1 unit 54 |
| | 100 L | 2.4 | 1410 | △ 230 V/Y 400 V | | 5.4 | D | 2CQ6 504-4□B13 | 1 unit 54 |
| 630 | 100 L | 2.4 | 1410 | △ 230 V/Y 400 V | | 5.4 | D | 2CQ6 634-1□B13 | 1 unit 98 |
| | 100 L | 3.3 | 1400 | △ 230 V/Y 400 V | | 7.3 | D | 2CQ6 634-2□B13 | 1 unit 98 |
| | 112 M | 4.4 | 1430 | △ 230 V/Y 400 V | | 9.1 | D | 2CQ6 634-3□B13 | 1 unit 98 |
| | 132 S | 6.1 | 1445 | △ 400 V/Y 690 V | | 13.0 | D | 2CQ6 634-4□B63 | 1 unit 98 |
| 800 | 132 S | 8.3 | 1440 | △ 400 V/Y 690 V | | 17.0 | D | 2CQ6 804-1□B63 | 1 unit 165 |
| | 160 M | 12.1 | 1450 | △ 400 V/Y 690 V | | 24.0 | D | 2CQ6 804-2□B63 | 1 unit 165 |
| | 160 L | 16.5 | 1455 | △ 400 V/Y 690 V | | 31.0 | D | 2CQ6 804-3□B63 | 1 unit 165 |
| | 180 M | 20.4 | 1455 | △ 400 V/Y 690 V | | 33.0 | D | 2CQ6 804-4□B63 | 1 unit 165 |
| | 180 L | 24.2 | 1455 | △ 400 V/Y 690 V | | 45.5 | D | 2CQ6 804-5□B63 | 1 unit 165 |
| | 1000 | 180 L | 24.2 | 1455 | △ 400 V/Y 690 V | | 45.5 | D | 2CQ6 104-1□B63 |
| 1250 | 200 L | 33 | 1460 | △ 400 V/Y 690 V | | 60.0 | D | 2CQ6 104-2□B63 | 1 unit 338 |
| | 225 S | 40.7 | 1465 | △ 400 V/Y 690 V | | 73.0 | D | 2CQ6 104-3□B63 | 1 unit 338 |
| | 225 M | 49.5 | 1465 | △ 400 V/Y 690 V | | 88.0 | D | 2CQ6 104-4□B63 | 1 unit 338 |
| | 250 M | 60.5 | 1475 | △ 400 V/Y 690 V | | 110 | D | 2CQ6 104-5□B63 | 1 unit 338 |
| 1250 | 280 S | 82.5 | 1480 | △ 400 V/Y 690 V | | 150 | D | 2CQ6 124-1□B63 | 1 unit 604 |
| | 280 M | 99 | 1480 | △ 400 V/Y 690 V | | 176 | D | 2CQ6 124-2□B63 | 1 unit 604 |
| | 315 S | 121 | 1482 | △ 400 V/Y 690 V | | 218 | D | 2CQ6 124-3□B63 | 1 unit 604 |
| | 315 M | 145 | 1482 | △ 400 V/Y 690 V | | 259 | D | 2CQ6 124-4□B63 | 1 unit 604 |
| | 315 L | 176 | 1480 | △ 400 V/Y 690 V | | 308 | D | 2CQ6 124-5□B63 | 1 unit 604 |
| | 315 | 220 | 1480 | △ 400 V/Y 690 V | | 374 | D | 2CQ6 124-6□B63 | 1 unit 604 |

Order No. supplement



Pipe-version fan

A



Pipe-version fan with feet

B



Fan with inlet nozzle and protective grille

C



Fan with inlet nozzle, protective grille and feet

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring guides".

2CQ medium-pressure axial fans

2CQ6 fans

Fan

| Size | Volumetric flow \dot{V} in m ³ /s with a pressure increase Δp_{st} of ... Pa | | | | | | | | | | | | | | | $\Delta p_{st \max}$ | Max. blade angle ¹⁾ | $P_{L \max}^{2)}$ | $L_{w^*}^{3)}$ | |
|---------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|-------------------|----------------|----|
| | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | | | | | Pa |
| | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | m ³ /sec | | | | | |
| With 6-pole motors | | | | | | | | | | | | | | | | | | | | |
| 800 | 5.31 | 4.86 | 4.35 | 3.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 460 | 22 | 2.4 | 97 | |
| | 6.50 | 6.08 | 5.50 | 4.90 | 3.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 500 | 32 | 3.3 | 99 | |
| | 7.77 | 7.29 | 6.74 | 6.08 | 5.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 535 | 40 | 4.4 | 100 | |
| | 8.94 | 8.38 | 7.81 | 7.12 | 6.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 550 | 50 | 6.1 | 102 | |
| 1000 | 12.6 | 11.1 | 10.5 | 9.8 | 9.14 | 8.43 | 7.42 | -- | -- | -- | -- | -- | -- | -- | 750 | 26 | 8.3 | 104 | | |
| | 14.7 | 14.2 | 13.5 | 12.8 | 12.1 | 11.2 | 10.3 | 9.14 | -- | -- | -- | -- | -- | -- | 830 | 38 | 12.1 | 106 | | |
| | 16.5 | 16.0 | 15.4 | 14.6 | 13.9 | 13.1 | 12.1 | 11.0 | -- | -- | -- | -- | -- | -- | 865 | 45 | 16.5 | 108 | | |
| | 17.8 | 17.2 | 16.5 | 15.8 | 15.0 | 14.1 | 13.2 | 12.2 | -- | -- | -- | -- | -- | -- | 880 | 50 | 19.4 | 109 | | |
| 1250 | 19.2 | 18.6 | 17.9 | 17.3 | 16.4 | 15.8 | 15.1 | 14.2 | 13.2 | 12.0 | -- | -- | -- | -- | 1090 | 19 | 20.4 | 110 | | |
| | 21.6 | 21.1 | 20.4 | 19.7 | 19.0 | 18.3 | 17.4 | 16.6 | 15.6 | 14.5 | -- | -- | -- | -- | 1170 | 24 | 24.2 | 111 | | |
| | 25.9 | 25.2 | 24.5 | 23.7 | 23.1 | 22.3 | 21.3 | 20.6 | 19.6 | 18.6 | 16.0 | -- | -- | -- | 1260 | 32 | 33 | 112 | | |
| | 29.4 | 28.8 | 28.0 | 27.2 | 26.5 | 25.7 | 24.8 | 23.9 | 22.9 | 21.9 | 19.4 | -- | -- | -- | 1330 | 39 | 40.7 | 113 | | |
| | 32.0 | 31.6 | 30.8 | 30.0 | 29.3 | 28.5 | 27.5 | 26.7 | 25.7 | 24.7 | 22.3 | -- | -- | -- | 1360 | 45 | 49.5 | 115 | | |
| | 34.6 | 33.9 | 33.2 | 32.4 | 31.6 | 30.6 | 29.8 | 28.8 | 27.7 | 26.7 | 24.3 | -- | -- | -- | 1390 | 50 | 59.5 | 116 | | |
| 1600 | 46.4 | 45.6 | 44.7 | 43.9 | 43.0 | 42.2 | 41.4 | 40.6 | 39.7 | 38.6 | 36.7 | 34.9 | 32.6 | 29.8 | -- | 1980 | 23 | 82.5 | 119 | |
| | 51.6 | 50.7 | 49.8 | 49.0 | 48.2 | 47.5 | 46.5 | 45.6 | 44.5 | 43.4 | 41.6 | 39.7 | 37.2 | 34.6 | 31.2 | 2070 | 28 | 99 | 120 | |
| | 57.9 | 56.9 | 56.2 | 55.0 | 54.3 | 53.4 | 52.7 | 51.7 | 50.6 | 49.5 | 47.5 | 45.5 | 42.8 | 40.6 | 36.6 | 2190 | 33 | 121 | 121 | |
| | 64.8 | 64.1 | 63.3 | 62.5 | 61.7 | 61.0 | 60.0 | 58.9 | 58.2 | 56.9 | 54.9 | 52.7 | 50.3 | 47.7 | 43.9 | 2310 | 40 | 145 | 122 | |
| | 70.0 | 69.2 | 68.4 | 67.5 | 66.7 | 65.8 | 64.8 | 63.9 | 62.8 | 61.7 | 59.6 | 57.7 | 55.1 | 52.6 | 49.0 | 2360 | 45 | 176 | 123 | |
| | 75.0 | 74.5 | 73.5 | 72.5 | 71.7 | 70.7 | 69.7 | 68.7 | 67.5 | 66.4 | 64.2 | 62.0 | 59.3 | 56.8 | 54.0 | 2380 | 50 | 208 | 124 | |
| With 8-pole motors | | | | | | | | | | | | | | | | | | | | |
| 1600 | 33.8 | 33.0 | 31.7 | 30.7 | 29.4 | 28.3 | 26.8 | 25.3 | 23.6 | 21.8 | -- | -- | -- | -- | 1085 | 23 | 33 | 112 | | |
| | 37.5 | 36.4 | 35.0 | 34.1 | 32.8 | 31.6 | 30.1 | 28.5 | 27.1 | 25.3 | -- | -- | -- | -- | 1130 | 27 | 40.7 | 113 | | |
| | 42.4 | 41.1 | 39.7 | 38.7 | 37.2 | 35.8 | 34.2 | 32.8 | 31.2 | 29.3 | 24.6 | -- | -- | -- | 1210 | 33 | 49.5 | 114 | | |
| | 47.5 | 46.5 | 45.0 | 44.0 | 42.6 | 41.1 | 39.9 | 38.5 | 36.7 | 34.5 | 29.8 | -- | -- | -- | 1265 | 39 | 60.5 | 115 | | |
| | 54.0 | 52.8 | 51.5 | 50.0 | 48.8 | 47.3 | 45.9 | 44.1 | 42.9 | 40.9 | 36.5 | -- | -- | -- | 1320 | 48 | 82.5 | 116 | | |

Customized versions on on request.

- 1) For a drive with standard squirrel-cage motor.
Other blade-angle settings on request.
- 2) Max. power requirement of the fan.
- 3) Unweighted sound power level.
Table values assume medium throttling.

2CQ medium-pressure axial fans

2CQ6 fans

| Fan size | Motor | | | | | DT | Fan | PS* | Weight ¹⁾ without motor in pipe ver- sion approx. |
|---------------------------|-------|----------------|----------------|------------------------------|---------------------------|----|--|-----|---|
| | Size | Rated power | Rated speed | Rated voltage at AC 50 Hz | Rated current at 400 V | | | | |
| | | kW | rpm | | A | | Order No. Scope of delivery: Impeller, enclosure, motor (for order number supplement, see below) | | kg |
| With 6-pole motors | | | | | | | | | |
| 800 | 112 M | 2.4 | 925 | △ 230 V/Y 400 V | 5.8 | D | 2CQ6 806-1□B13 | | 1 unit 165 |
| | 132 S | 3.3 | 930 | △ 400 V/Y 690 V | 8.0 | D | 2CQ6 806-2□B63 | | 1 unit 165 |
| | 132 M | 4.4 | 945 | △ 400 V/Y 690 V | 10.3 | D | 2CQ6 806-3□B63 | | 1 unit 165 |
| | 132 M | 6.1 | 945 | △ 400 V/Y 690 V | 14.1 | D | 2CQ6 806-4□B63 | | 1 unit 165 |
| 1000 | 160 M | 8.3 | 950 | △ 400 V/Y 690 V | 19.5 | D | 2CQ6 106-1□B63 | | 1 unit 338 |
| | 160 L | 12.1 | 950 | △ 400 V/Y 690 V | 27.5 | D | 2CQ6 106-2□B63 | | 1 unit 338 |
| | 180 L | 16.5 | 965 | △ 400 V/Y 690 V | 34.5 | D | 2CQ6 106-3□B63 | | 1 unit 338 |
| | 200 L | 20.4 | 970 | △ 400 V/Y 690 V | 42.5 | D | 2CQ6 106-4□B63 | | 1 unit 338 |
| 1250 | 200 L | 20.4 | 970 | △ 400 V/Y 690 V | 42.5 | D | 2CQ6 126-1□B63 | | 1 unit 604 |
| | 200 L | 24.2 | 970 | △ 400 V/Y 690 V | 50.0 | D | 2CQ6 126-2□B63 | | 1 unit 604 |
| | 225 M | 33 | 972 | △ 400 V/Y 690 V | 67.0 | D | 2CQ6 126-3□B63 | | 1 unit 604 |
| | 250 M | 40.7 | 975 | △ 400 V/Y 690 V | 77.0 | D | 2CQ6 126-4□B63 | | 1 unit 604 |
| | 280 S | 49.5 | 980 | △ 400 V/Y 690 V | 91.5 | D | 2CQ6 126-5□B63 | | 1 unit 604 |
| | 280 M | 60.5 | 980 | △ 400 V/Y 690 V | 110 | D | 2CQ6 126-6□B63 | | 1 unit 604 |
| 1600 | 315 S | 82.5 | 985 | △ 400 V/Y 690 V | 152 | D | 2CQ6 166-1□B63 | | 1 unit 940 |
| | 315 M | 99 | 985 | △ 400 V/Y 690 V | 180 | D | 2CQ6 166-2□B63 | | 1 unit 940 |
| | 315 L | 121 | 985 | △ 400 V/Y 690 V | 215 | D | 2CQ6 166-3□B63 | | 1 unit 940 |
| | 315 L | 145 | 985 | △ 400 V/Y 690 V | 259 | D | 2CQ6 166-4□B63 | | 1 unit 940 |
| | 315 L | 176 | 985 | △ 400 V/Y 690 V | 314 | D | 2CQ6 166-5□B63 | | 1 unit 940 |
| | 315 L | 220 | 986 | △ 400 V/Y 690 V | 380 | D | 2CQ6 166-6□B63 | | 1 unit 940 |
| With 8-pole motors | | | | | | | | | |
| 1600 | 250 M | 33 | 728 | △ 400 V/Y 690 V | 64 | D | 2CQ6 168-1□B63 | | 1 unit 940 |
| | 280 S | 40.7 | 732 | △ 400 V/Y 690 V | 79 | D | 2CQ6 168-2□B63 | | 1 unit 940 |
| | 280 M | 49.5 | 732 | △ 400 V/Y 690 V | 96 | D | 2CQ6 168-3□B63 | | 1 unit 940 |
| | 315 S | 60.5 | 738 | △ 400 V/Y 690 V | 117 | D | 2CQ6 168-4□B63 | | 1 unit 940 |
| | 315 M | 82.5 | 736 | △ 400 V/Y 690 V | 154 | D | 2CQ6 168-5□B63 | | 1 unit 940 |

Order No. supplement



Pipe-version fan

A



Pipe-version fan with feet

B



Fan with inlet nozzle and protective grille

C



Fan with inlet nozzle, protective grille and feet

D

Accessories, see page 3/20.

1) The weights of the feet, inlet nozzles and protective grilles are not included, see "Configuring guides".

2CQ medium-pressure axial fans

Accessories

Selection and ordering data

| Design and use | For fans | Fan size | DT | Order No. | PS* | Weight, approx. kg |
|--|--------------|----------|----|-----------------|-----|-----------------------|
| Flat-type flanges | | | | | | |
| Hole pattern in accordance with DIN 24154, Sheet 3, welding or mating flange | 2CQ4 to 2CQ6 | 315 | C | 2CX4 001 | | 1 unit 1.5 |
| | | 400 | C | 2CX4 002 | | 1 unit 2.0 |
| | | 500 | C | 2CX4 003 | | 1 unit 2.4 |
| | | 630 | C | 2CX4 004 | | 1 unit 3.5 |
| | | 800 | C | 2CX4 005 | | 1 unit 4.3 |
| | | 1000 | C | 2CX4 006 | | 1 unit 5.4 |
| | | 1250 | C | 2CX4 007 | | 1 unit 10.3 |
| | | 1600 | C | 2CX4 008 | | 1 unit 13.0 |
| Compensators | | | | | | |
| PVC-coated polyester fabric, heat-resistant up to 80 °C | 2CQ4 to 2CQ6 | 315 | C | 2CX4 011 | | 1 unit 4.8 |
| | | 400 | C | 2CX4 012 | | 1 unit 5.8 |
| | | 500 | C | 2CX4 013 | | 1 unit 7.2 |
| | | 630 | C | 2CX4 014 | | 1 unit 10.5 |
| | | 800 | C | 2CX4 015 | | 1 unit 13.0 |
| | | 1000 | C | 2CX4 016 | | 1 unit 16.5 |
| | | 1250 | C | 2CX4 017 | | 1 unit 27.5 |
| | | 1600 | C | 2CX4 018 | | 1 unit 34.5 |
| Vibration dampers | | | | | | |
| Rubber elements or steel-spring insulators, for damping vibrations and structure-borne noise | 2CQ4 to 2CQ6 | 315 | C | 2CX4 021 | | 1 unit 0.5 |
| | | 400 | C | 2CX4 022 | | 1 unit 0.5 |
| | | 500 | C | 2CX4 023 | | 1 unit 0.5 |
| | | 630 | C | 2CX4 024 | | 1 unit 1.0 |
| | | 800 | C | 2CX4 025 | | 1 unit 1.0 |
| | | 1000 | C | 2CX4 026 | | 1 unit 1.5 |
| | | 1250 | C | 2CX4 027 | | 1 unit 1.5 |
| | | 1600 | C | 2CX4 028 | | 1 unit 2.0 |

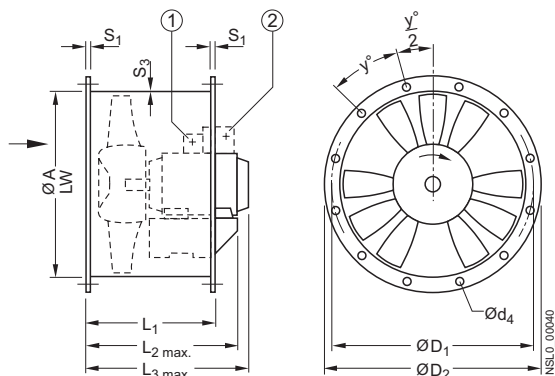
Special versions

Options

| | Design and use | For fans | Order code, plain text | |
|------------------------------------|---|--|---|-------------------|
| Wall fastening rings | Steel, EPS-coated or painted | 2CQ4 ... 2CQ6 | On request | |
| Enclosure diffusors | Steel, EPS-coated or painted, for converting dynamic pressure to static pressure components | 2CQ5, 2CQ6 | On request | |
| Hinged servicing covers for | • Impeller area | EPS-coated, arranged in impeller area of the enclosure | 2CQ4 ... 2CQ6 | On request |
| | • Support enclosure | EPS-coated, arranged in impeller area of the enclosure | 2CQ5, 2CQ6 | On request |
| Explosion protection | -- | 2CQ4 ... 2CQ6 | On request | |
| Motor | see Catalog M 11 | 2CQ5, 2CQ6 | Y01 and plain text: Specify either the complete motor order number or motor voltage, frequency, rated power and number of poles | |
| Fan | Size 2000 mm (wheel diameter) | 2CQ4 ... 2CQ6 | On request | |

Dimensional drawings

2CQ4 pipe-version fans

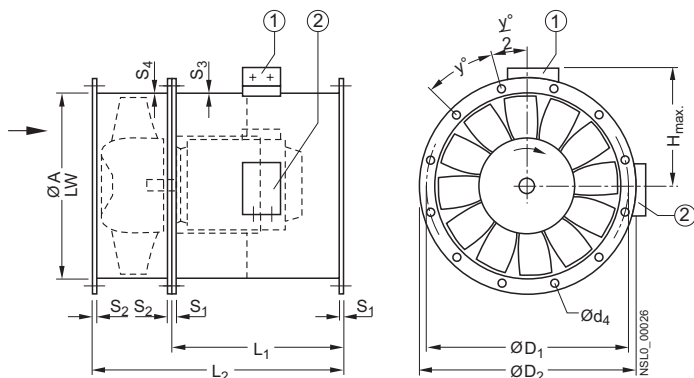


- ① Terminal box up to motor size 160
- ② Terminal box from motor size 180 upwards

| Fan type | ØA (= fan size) | Ø D ₁ | Ø D ₂ | L ₁ | L ₂ max | L ₃ max | Ø d ₄ | S ₁ | S ₃ | n x y | Weight without motor in kg, approx. |
|--------------------|--------------------|------------------|------------------|----------------|--------------------|--------------------|------------------|----------------|----------------|-------------|-------------------------------------|
| 2CQ4 402, 2CQ4 404 | 400 | 438 | 464 | 370 | 370 | 370 | 9.5 | 2 | 2 | 12 x 30° | 14 |
| 2CQ4 502, 2CQ4 504 | 500 | 541 | 567 | 500 | 500 | 500 | 9.5 | 2 | 2 | 12 x 30° | 24 |
| 2CQ4 634 | 630 | 674 | 708 | 660 | 660 | 660 | 11.5 | 2.5 | 2.5 | 16 x 22.5° | 45 |
| 2CQ4 804, 2CQ4 806 | 800 | 837 | 871 | 620 | 710 | 754 | 11.5 | 3 | 3 | 24 x 15° | 79 |
| 2CQ4 104, 2CQ4 106 | 1000 | 1043 | 1077 | 860 | 860 | 870 | 11.5 | 3 | 3 | 24 x 15° | 126 |
| 2CQ4 124, 2CQ4 126 | 1250 | 1311 | 1340 | 1040 | 1133 | 1040 | 13 | 8 | 4 | 24 x 15° | 280 |
| 2CQ4 166, 2CQ4 168 | 1600 | 1637 | 1690 | 1040 | 1205 | 1400 | 13 | 8 | 4 | 32 x 11.25° | 410 |

n = Number of flange holes

2CQ5 pipe-version fans



- ① Terminal box up to fan size 1000
- ② Terminal box from fan size 1250 upwards

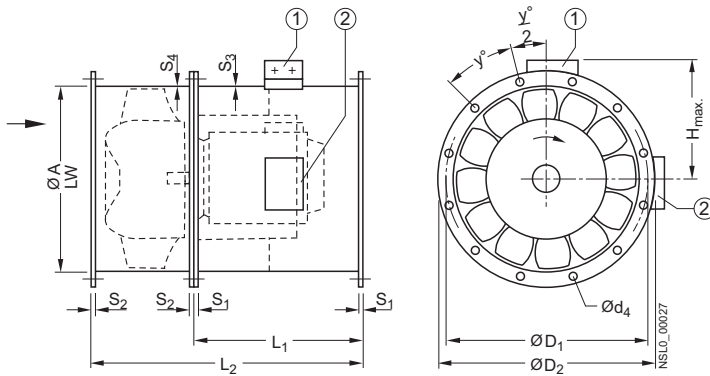
| Fan type | ØA (= fan size) | Ø D ₁ | Ø D ₂ | H _{max} | L ₁ | L ₂ | Ø d ₄ | S ₁ = S ₂ | S ₃ = S ₄ | n x y | Weight without motor in kg, approx. |
|--------------------|--------------------|------------------|------------------|------------------|----------------|----------------|------------------|---------------------------------|---------------------------------|-------------|-------------------------------------|
| 2CQ5 312, 2CQ5 314 | 315 | 356 | 382 | 235 | 310 | 415 | 9.5 | 2 | 2 | 8 x 45° | 15 |
| 2CQ5 402, 2CQ5 404 | 400 | 438 | 464 | 280 | 370 | 500 | 9.5 | 2 | 2 | 12 x 30° | 24 |
| 2CQ5 502, 2CQ5 504 | 500 | 541 | 567 | 330 | 500 | 660 | 9.5 | 2 | 2 | 12 x 30° | 38 |
| 2CQ5 632, 2CQ5 634 | 630 | 674 | 708 | 415 | 660 | 860 | 11.5 | 2.5 | 2.5 | 16 x 22.5° | 78 |
| 2CQ5 804, 2CQ5 806 | 800 | 837 | 871 | 520 | 620 | 870 | 11.5 | 3 | 3 | 24 x 15° | 132 |
| 2CQ5 104, 2CQ5 106 | 1000 | 1043 | 1077 | 650 | 860 | 1175 | 11.5 | 3 | 3 | 24 x 15° | 217 |
| 2CQ5 124, 2CQ5 126 | 1250 | 1311 | 1340 | 825 | 1040 | 1435 | 13 | 8 | 4 | 24 x 15° | 592 |
| 2CQ5 166, 2CQ5 168 | 1600 | 1637 | 1690 | 1000 | 1040 | 1540 | 13 | 8 | 4 | 32 x 11.25° | 724 |

n = Number of flange holes

2CQ medium-pressure axial fans

Configuring aids

2CQ6 pipe-version fans



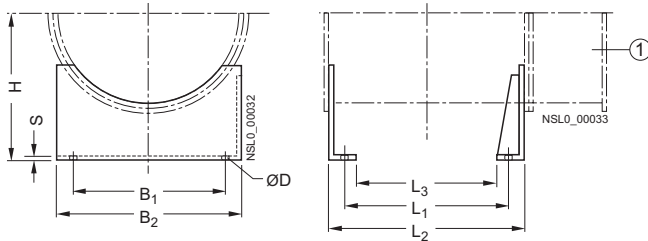
- ① Terminal box up to fan size 1000
- ② Terminal box from fan size 1250 upwards

| Fan type | ØA (= fan size) | Ø D ₁ | Ø D ₂ | H _{max} | L ₁ | L ₂ | Ø d ₄ | S ₁ = S ₂ | S ₃ = S ₄ | n x y | Weight without motor in kg, approx. |
|--------------------|--------------------|------------------|------------------|------------------|----------------|----------------|------------------|---------------------------------|---------------------------------|-------------|--|
| 2CQ6 312, 2CQ6 314 | 315 | 356 | 382 | 235 | 310 | 415 | 9.5 | 2 | 2 | 8 x 45° | 18 |
| 2CQ6 402, 2CQ6 404 | 400 | 438 | 464 | 280 | 370 | 500 | 9.5 | 2 | 2 | 12 x 30° | 30 |
| 2CQ6 502, 2CQ6 504 | 500 | 541 | 567 | 330 | 500 | 660 | 9.5 | 2 | 2 | 12 x 30° | 54 |
| 2CQ6 632, 2CQ6 634 | 630 | 674 | 708 | 415 | 660 | 860 | 11.5 | 2.5 | 2.5 | 16 x 22.5° | 98 |
| 2CQ6 804, 2CQ6 806 | 800 | 837 | 871 | 520 | 620 | 870 | 11.5 | 3 | 3 | 24 x 15° | 165 |
| 2CQ6 104, 2CQ6 106 | 1000 | 1043 | 1077 | 650 | 860 | 1175 | 11.5 | 3 | 3 | 24 x 15° | 338 |
| 2CQ6 124, 2CQ6 126 | 1250 | 1311 | 1340 | 825 | 1040 | 1435 | 13 | 8 | 4 | 24 x 15° | 604 |
| 2CQ6 166, 2CQ6 168 | 1600 | 1637 | 1690 | 1000 | 1040 | 1540 | 13 | 8 | 4 | 32 x 11.25° | 940 |

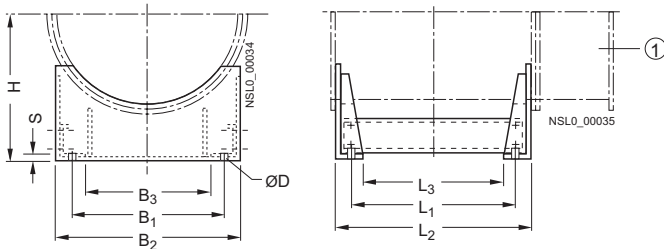
n = Number of flange holes

Feet for horizontal installation

Size 315 ... 1000



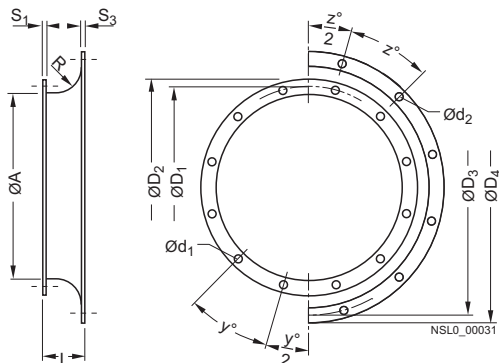
Size 1250, 1600



① 2CQ5/2CQ6 impeller enclosure

| Fan size | B ₁ | B ₂ | B ₃ | Ø D | H | L ₁ | L ₂ | L ₃ | S | Approx. weight kg |
|----------|----------------|----------------|----------------|------|------|----------------|----------------|----------------|---|----------------------|
| 315 | 310 | 360 | -- | 10 | 250 | 256 | 306 | 206 | 3 | 3 |
| 400 | 310 | 360 | -- | 12 | 300 | 316 | 366 | 266 | 4 | 3.9 |
| 500 | 370 | 430 | -- | 14.8 | 370 | 436 | 496 | 376 | 5 | 6.9 |
| 630 | 550 | 640 | -- | 19.2 | 455 | 585 | 655 | 515 | 5 | 17.9 |
| 800 | 660 | 750 | -- | 19.2 | 560 | 544 | 614 | 474 | 5 | 24.3 |
| 1000 | 820 | 910 | -- | 19.2 | 690 | 774 | 854 | 694 | 6 | 35.5 |
| 1250 | 1010 | 1130 | 910 | 19.2 | 865 | 924 | 1024 | 824 | 9 | 64.2 |
| 1600 | 1230 | 1350 | 1130 | 19.2 | 1070 | 924 | 1024 | 824 | 9 | 78.4 |

Inlet nozzles



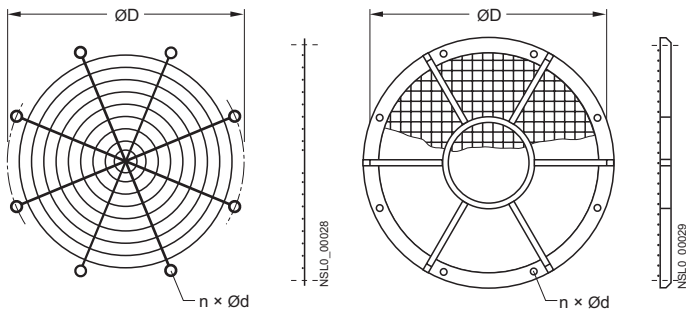
| Fan size | Ø A | Ø D ₁ | Ø D ₂ | Ø D ₃ | Ø D ₄ | Ø d ₁ | Ø d ₂ | L | R | S ₁ = S ₃ | n x y | n x z | Approx. weight kg |
|----------|------|------------------|------------------|------------------|------------------|------------------|------------------|-----|-----|---------------------------------|-------------|-------------|-------------------|
| 315 | 315 | 356 | 382 | 438 | 464 | 9.5 | 9.5 | 50 | 45 | 2 | 8 x 45° | 12 x 30° | 2 |
| 400 | 400 | 438 | 464 | 541 | 567 | 9.5 | 9.5 | 60 | 55 | 2 | 12 x 30° | 12 x 30° | 2.8 |
| 500 | 500 | 541 | 567 | 674 | 708 | 9.5 | 11.5 | 75 | 70 | 2 | 12 x 30° | 16 x 22.5° | 4.4 |
| 630 | 630 | 674 | 708 | 837 | 871 | 11.5 | 11.5 | 90 | 85 | 2 | 16 x 22.5° | 24 x 15° | 6.4 |
| 800 | 800 | 837 | 871 | 1043 | 1077 | 11.5 | 11.5 | 120 | 105 | 2 | 24 x 15° | 24 x 15° | 9.6 |
| 1000 | 1000 | 1043 | 1077 | 1311 | 1347 | 11.5 | 11.5 | 150 | 140 | 3 | 24 x 15° | 24 x 15° | 22 |
| 1250 | 1250 | 1311 | 1347 | 1637 | 1673 | 11.5 | 11.5 | 180 | 170 | 3 | 24 x 15° | 32 x 11.25° | 33 |
| 1600 | 1600 | 1637 | 1673 | 1940 | 2000 | 11.5 | 11.5 | 240 | 200 | 3 | 32 x 11.25° | 32 x 11.25° | 40 |

n = Number of flange holes

Protective grille for inlet nozzle

Size 315 ... 1000

Size 1250, 1600



| Fan size | Ø D | Ø d | n | Approx. weight kg |
|----------|------|-----|----|-------------------|
| 315 | 438 | 10 | 6 | 0.5 |
| 400 | 541 | 10 | 6 | 1 |
| 500 | 674 | 12 | 8 | 1.1 |
| 630 | 837 | 12 | 6 | 1.7 |
| 800 | 1043 | 12 | 12 | 4.1 |
| 1000 | 1311 | 12 | 12 | 5.7 |
| 1250 | 1637 | 13 | 16 | 22.3 |
| 1600 | 1940 | 14 | 16 | 33.4 |

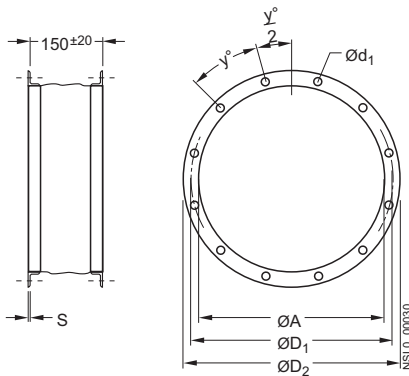
n = Number of flange holes

2CQ medium-pressure axial fans

Configuring aids

Accessories for 2CQ4 to 2CQ6 fans with direct drive

Compensators

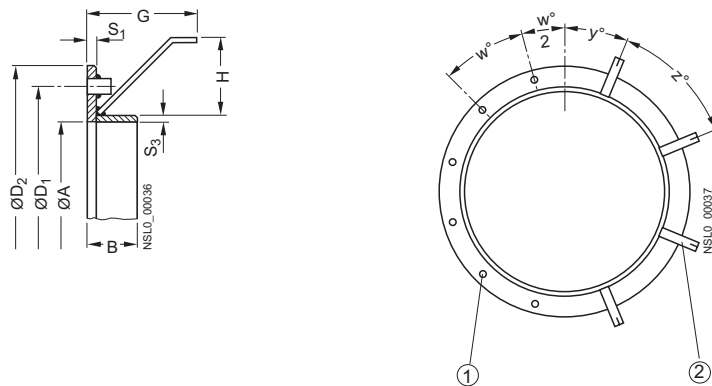


Materials: Flanges: steel, galvanized;
Compensator: polyester fabric

| Type | Fan size | Ø A | Ø D ₁ | Ø D ₂ | Ø d ₁ | S | n x y | Approx. weight kg |
|----------|----------|------|------------------|------------------|------------------|----|------------|-------------------|
| 2CX4 011 | 315 | 322 | 356 | 382 | 10 | 10 | 8 x 45° | 4.8 |
| 2CX4 012 | 400 | 404 | 438 | 464 | 10 | 10 | 6 x 60° | 5.8 |
| 2CX4 013 | 500 | 507 | 541 | 567 | 10 | 10 | 6 x 60° | 7.2 |
| 2CX4 014 | 630 | 638 | 674 | 708 | 12 | 10 | 8 x 45° | 10.5 |
| 2CX4 015 | 800 | 801 | 837 | 871 | 12 | 10 | 12 x 30° | 13.0 |
| 2CX4 016 | 1000 | 1007 | 1043 | 1077 | 12 | 10 | 12 x 30° | 16.5 |
| 2CX4 017 | 1250 | 1267 | 1311 | 1347 | 12 | 10 | 12 x 30° | 27.5 |
| 2CX4 018 | 1600 | 1593 | 1637 | 1673 | 16 | 10 | 16 x 22.5° | 34.5 |

n = Number of flange holes

Wall fastening rings

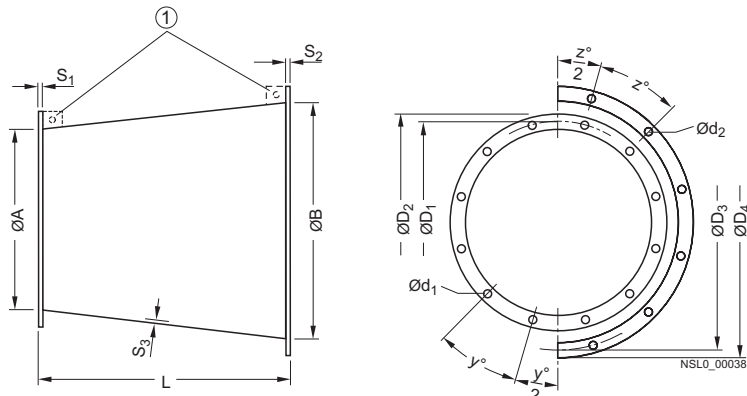


① Nut
② Wall-anchor

| Fan size | Ø A | B | Ø D ₁ | Ø D ₂ | G approx. | H approx. | S ₁ | S ₃ | Nut | n x w | y | n x z | Approx. weight kg |
|----------|------|----|------------------|------------------|-----------|-----------|----------------|----------------|-----|-------------|--------|------------|-------------------|
| 315 | 322 | -- | 356 | 382 | 80 | 60 | 5 | -- | M8 | 8 x 45° | 45° | 4 x 90° | 2.2 |
| 400 | 404 | -- | 438 | 464 | 80 | 60 | 5 | -- | M8 | 12 x 30° | 30° | 6 x 60° | 2.5 |
| 500 | 507 | -- | 541 | 567 | 95 | 75 | 5 | -- | M8 | 12 x 30° | 30° | 6 x 60° | 2.9 |
| 630 | 638 | -- | 674 | 708 | 95 | 75 | 5 | -- | M10 | 16 x 22.5° | 22.5° | 8 x 45° | 4.2 |
| 800 | 800 | 40 | 837 | 878 | 95 | 75 | 5 | 3 | M10 | 24 x 15° | 15° | 8 x 45° | 7.3 |
| 1000 | 1000 | 40 | 1043 | 1077 | 95 | 75 | 5 | 3 | M10 | 24 x 15° | 15° | 8 x 45° | 8.8 |
| 1250 | 1250 | 60 | 1311 | 1340 | 125 | 95 | 8 | 4 | M10 | 24 x 15° | 15° | 12 x 30° | 20.0 |
| 1600 | 1600 | 60 | 1637 | 1690 | 125 | 95 | 8 | 4 | M10 | 32 x 11.25° | 11.25° | 16 x 22.5° | 25.0 |

n = Number of nuts or wall-anchors

Enclosure diffusers

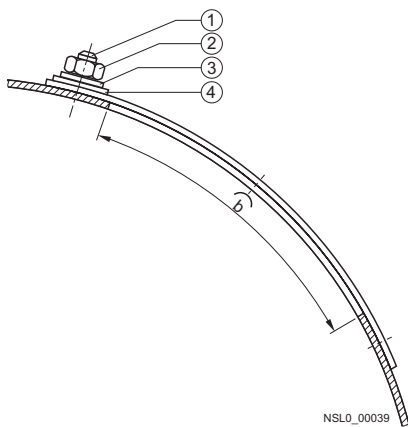


① From size 630 with ears

| Fan size | Ø A | Ø B | Ø D ₁ | Ø D ₂ | Ø D ₃ | Ø D ₄ | Ø d ₁ | Ø d ₂ | L | S ₁ | S ₂ | S ₃ | n x y | n x z | Approx. weight kg |
|----------|------|------|------------------|------------------|------------------|------------------|------------------|------------------|------|----------------|----------------|----------------|-------------|-------------|-------------------|
| 500 | 500 | 630 | 541 | 567 | 674 | 708 | 9.5 | 11.5 | 490 | 5 | 5 | 2 | 12 x 30° | 16 x 22.5° | 19 |
| 630 | 630 | 800 | 674 | 708 | 837 | 878 | 11.5 | 11.5 | 645 | 5 | 5 | 3 | 16 x 22.5° | 24 x 15° | 41 |
| 800 | 800 | 1000 | 837 | 878 | 1043 | 1077 | 11.5 | 11.5 | 760 | 5 | 5 | 3 | 24 x 15° | 24 x 15° | 59 |
| 1000 | 1000 | 1250 | 1043 | 1077 | 1311 | 1340 | 11.5 | 11.5 | 950 | 5 | 8 | 3 | 24 x 15° | 24 x 15° | 95 |
| 1250 | 1250 | 1600 | 1311 | 1340 | 1637 | 1690 | 11.5 | 11.5 | 1330 | 8 | 8 | 4 | 24 x 15° | 32 x 11.25° | 212 |
| 1600 | 1600 | 2000 | 1637 | 1690 | 2047 | 2090 | 11.5 | 11.5 | 1520 | 8 | 8 | 4 | 32 x 11.25° | 32 x 11.25° | 301 |

n = Number of flange holes

Hinged servicing covers



- ① Welded-on bolt
- ② Hexagonal nut
- ③ Conical spring washer
- ④ Washer

| Fan size | For impeller area | | | | For motor area | | | |
|----------|--------------------------------------|-----|----------------|--------|--|-----|----------------|--------|
| | Inside reach-through opening (a x b) | | Number of nuts | Thread | Inside reach-through opening ¹⁾ (a x b) | | Number of nuts | Thread |
| a | b | a | | | b | | | |
| 315 | 65 | 85 | 2 | M6 | 150 | 150 | 8 | M6 |
| 400 | 80 | 105 | 2 | M6 | 150 | 150 | 8 | M6 |
| 500 | 95 | 135 | 4 | M6 | 200 | 200 | 8 | M6 |
| 630 | 130 | 200 | 6 | M6 | 200 | 200 | 8 | M6 |
| 800 | 160 | 250 | 8 | M8 | 250 | 250 | 8 | M8 |
| 1000 | 200 | 250 | 8 | M8 | 250 | 250 | 8 | M8 |
| 1250 | 250 | 300 | 8 | M8 | 250 | 300 | 8 | M8 |
| 1600 | 320 | 400 | 8 | M8 | 320 | 400 | 8 | M8 |

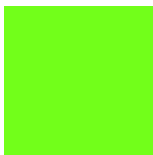
1) For 2CQ4 fans up to size 630 as standard, not available from size 800 upwards.

2CQ medium-pressure axial fans

Notes

3





| | |
|-----|--|
| 4/2 | Further documentation |
| 4/3 | Siemens contacts |
| 4/4 | Service & Support |
| 4/5 | Customer Support |
| 4/6 | Subject index |
| 4/7 | Order number index |
| 4/8 | Conditions of sale and delivery, export regulations |

Further documentation

Overview

You will find all the latest information material, such as brochures, catalogs, manuals and operating instructions on low-voltage, controls and distribution on the Internet at:

<http://www.siemens.com/lowvoltage/info>

Here you can order your copy of the available documentation or download it in common file formats (PDF, ZIP).

We regard product support as just as important as the products and systems themselves. Visit our Support site on the Internet for a comprehensive range of material on SIRIUS, SENTRON and SIVACON, such as

- Catalogs available to order free of charge
- Operating instructions and manuals for direct download
- Online registration for seminars and events
- Up-to-date answers to your queries and problems
- Software upgrades and updates for fast download
- Telephone assistance in more than 190 countries
- Photos and graphics for external use

and much, much more - all conveniently and easily accessible.



We also provide further support for SIRIUS - SENTRON - SIVACON



Brochures, catalogs and CDs offer fast and more in-depth information

Siemens contacts in the WWW



At

<http://www.siemens.com/automation/partner>

you can find details of Siemens contact partners worldwide responsible for particular technologies.

You can obtain in most cases a contact partner for

- Technical Support,
- Spare parts/repairs,
- Service,
- Training,
- Sales or
- Consultation/engineering.

You start by selecting a

- Country,
- Product or
- Sector.

By further specifying the remaining criteria you will find exactly the right contact partner with his/her respective expertise.



Service & Support

A&D in the WWW



A detailed knowledge of the range of products and services available is essential when planning and configuring automation systems. It goes without saying that this information must always be fully up-to-date.

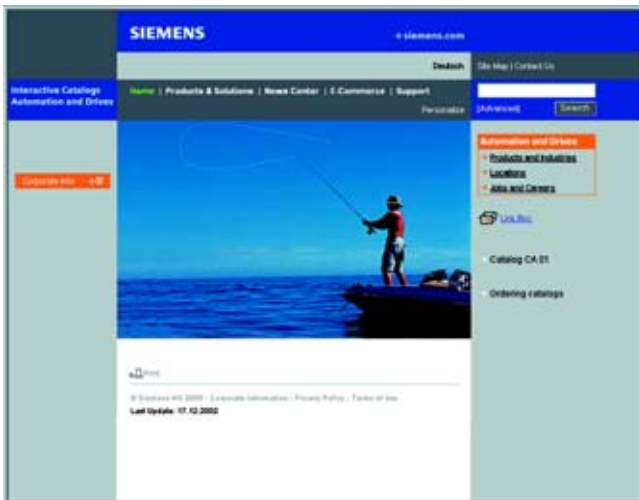
The Siemens Automation and Drives Group (A&D) has therefore built up a comprehensive range of information in the World Wide Web, which offers quick and easy access to all data required.

Under the address

<http://www.siemens.com/automation>

you will find everything you need to know about products, systems and services.

Product Selection Using the Offline Mall of Automation and Drives



Detailed information together with convenient interactive functions:

The Offline Mall CA 01 covers more than 80,000 products and thus provides a full summary of the Siemens Automation and Drives product base.

Here you will find everything that you need to solve tasks in the fields of automation, switchgear, installation and drives. All information is linked into a user interface which is easy to work with and intuitive.

After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information on the Offline Mall CA 01 can be found in the Internet under

<http://www.siemens.com/automation/ca01>

or on CD-ROM or DVD.

Easy Shopping with the A&D Mall



The A&D Mall is the virtual department store of Siemens AG in the Internet. Here you have access to a huge range of products presented in electronic catalogs in an informative and attractive way.

Data transfer via EDIFACT allows the whole procedure from selection through ordering to tracking of the order to be carried out online via the Internet.

Numerous functions are available to support you.

For example, powerful search functions make it easy to find the required products, which can be immediately checked for availability. Customer-specific discounts and preparation of quotes can be carried out online as well as order tracking and tracing.

Please visit the A&D Mall on the Internet under:

<http://www.siemens.com/automation/mall>

Customer Support



In the face of harsh competition you need optimum conditions to keep ahead all the time:

A strong starting position. A sophisticated strategy and team for the necessary support - in every phase.

Service & Support from Siemens provides this support with a complete range of different services for automation and drives.

In every phase: from planning and startup to maintenance and upgrading.

Our specialists know when and where to act to keep the productivity and cost-effectiveness of your system running in top form.

Configuration and Software Engineering



Support in configuring and developing with customer-oriented services from actual configuration to implementation of the automation project. ²⁾

Technical Support



Competent consulting in technical questions covering a wide range of customer-oriented services for all our products and systems.

Tel.: +49 (0)180 50 50 222
Fax: +49 (0)180 50 50 223

<http://www.siemens.com/automation/support-request>

Online Support



The comprehensive information system available round the clock via Internet ranging from Product Support and Service & Support services to Support Tools in the Shop.

<http://www.siemens.com/automation/service&support>

Service On Site



With Service On Site we offer services for startup and maintenance, essential for ensuring system availability.

In Germany
Tel.: +49 (180) 50 50 444 ²⁾

Technical Consulting



Support in the planning and designing of your project from detailed actual-state analysis, target definition and consulting on product and system questions right to the creation of the automation solution. ²⁾

Expert technical assistance ¹⁾ for low-voltage controlgear, switchgear and systems and electrical installation.

Tel.: +49 (9 11) 8 95-59 00
Fax: +49 (9 11) 8 95-59 07

E-Mail: technical-assistance@siemens.com

Repairs and Spare Parts



In the operating phase of a machine or automation system we provide a comprehensive repair and spare parts service ensuring the highest degree of operating safety and reliability.

In Germany
Tel.: +49 (180) 50 50 446 ²⁾

Optimization and Upgrading



To enhance productivity and save costs in your project we offer high-quality services in optimization and upgrading. ¹⁾

1) Contact:
Technical assistance for product selection · Old/new code coding · competitor code conversion · special variants · special requirements · sales promotion (Infoline).
Your regional contact for sales support (prices, discounts, delivery times).
Technical support for commissioning support and after-sales service.

2) For country-specific telephone numbers go to our Internet site at:
<http://www.siemens.com/automation/service&support>

Subject index

| | Page | | Page | | Page |
|-----------------------------|--------------|--|--------------|------------------------|------|
| A | | L | | P | |
| Accessories for fans | 2/9, 3/20 | Low-pressure axial fans | 2/1 ... 2/14 | Pipe sections | 2/9 |
| Axial fans | | Accessories | | S | |
| Low-pressure axial fans | 2/1 ... 2/14 | -Fixing supports | 2/9 | Selection aid for fans | 2/4 |
| Medium-pressure axial fans | 3/1 ... 3/26 | -Pipe sections | 2/9 | Special versions | 2/8 |
| C | | Pipe installation | 2/5 ... 2/7 | V | |
| Compensators | 3/20 | Selection aid | 2/4 | Vibration dampers | 3/20 |
| E | | Special versions | 2/8 | | |
| Explosion-protected version | 2/7 | Wall installation | 2/5 ... 2/7 | | |
| F | | With motor for single-phase alternating current | 2/6 | | |
| Fans | | With three-phase motor | 2/5 | | |
| Low-pressure axial fans | 2/1 ... 2/14 | -Explosion-protected version | 2/7 | | |
| Medium-pressure axial fans | 3/1 ... 3/26 | M | | | |
| Fixing supports | 2/9 | Medium-pressure axial fans | 3/1 ... 3/26 | | |
| Flat-type flanges | 3/20 | Accessories | | | |
| | | -Compensators | 3/20 | | |
| | | -Flat-type flanges | 3/20 | | |
| | | -Vibration dampers | 3/20 | | |
| | | With direct drive | 3/8 ... 3/19 | | |

| Order No. | Page | Order No. | Page | Order No. | Page |
|-------------|-------------|-------------|------|-------------|------|
| 2CC2 | | 2CQ4 | | 2CQ6 | |
| 2CC2 252 | 2/5, 2/6 | 2CQ4 104 | 3/9 | 2CQ6 104 | 3/17 |
| 2CC2 254 | 2/5 ... 2/7 | 2CQ4 106 | 3/11 | 2CQ6 106 | 3/19 |
| 2CC2 312 | 2/5, 2/6 | 2CQ4 124 | 3/9 | 2CQ6 124 | 3/17 |
| 2CC2 314 | 2/5 ... 2/7 | 2CQ4 126 | 3/11 | 2CQ6 126 | 3/19 |
| 2CC2 352 | 2/5, 2/6 | 2CQ4 166 | 3/11 | 2CQ6 166 | 3/19 |
| 2CC2 354 | 2/5 ... 2/7 | 2CQ4 186 | 3/11 | 2CQ6 168 | 3/19 |
| 2CC2 402 | 2/5, 2/6 | 2CQ4 402 | 3/9 | 2CQ6 312 | 3/17 |
| 2CC2 404 | 2/5 ... 2/7 | 2CQ4 404 | 3/9 | 2CQ6 314 | 3/17 |
| 2CC2 454 | 2/5 ... 2/7 | 2CQ4 502 | 3/9 | 2CQ6 402 | 3/17 |
| 2CC2 456 | 2/5 ... 2/7 | 2CQ4 504 | 3/9 | 2CQ6 404 | 3/17 |
| 2CC2 504 | 2/5 ... 2/7 | 2CQ4 634 | 3/9 | 2CQ6 502 | 3/17 |
| 2CC2 506 | 2/5 ... 2/7 | 2CQ4 804 | 3/9 | 2CQ6 504 | 3/17 |
| 2CC2 564 | 2/5 ... 2/7 | 2CQ4 806 | 3/11 | 2CQ6 632 | 3/17 |
| 2CC2 566 | 2/5 ... 2/7 | | | 2CQ6 634 | 3/17 |
| 2CC2 634 | 2/5 ... 2/7 | 2CQ5 | | 2CQ6 804 | 3/17 |
| 2CC2 636 | 2/5 ... 2/7 | 2CQ5 104 | 3/13 | 2CQ6 806 | 3/19 |
| 2CC2 714 | 2/5 | 2CQ5 106 | 3/15 | | |
| 2CC2 716 | 2/5 ... 2/7 | 2CQ5 124 | 3/13 | 2CX2 | |
| | | 2CQ5 126 | 3/15 | 2CX2 31 | 2/9 |
| 2CC4 | | 2CQ5 166 | 3/15 | 2CX2 32 | 2/9 |
| 2CC4 252 | 2/5, 2/6 | 2CQ5 168 | 3/15 | 2CX2 33 | 2/9 |
| 2CC4 254 | 2/5, 2/6 | 2CQ5 312 | 3/13 | 2CX2 34 | 2/9 |
| 2CC4 312 | 2/5, 2/6 | 2CQ5 314 | 3/13 | 2CX2 35 | 2/9 |
| 2CC4 314 | 2/5, 2/6 | 2CQ5 402 | 3/13 | 2CX2 50 | 2/9 |
| 2CC4 352 | 2/5, 2/6 | 2CQ5 404 | 3/13 | 2CX2 51 | 2/9 |
| 2CC4 354 | 2/5, 2/6 | 2CQ5 502 | 3/13 | | |
| 2CC4 402 | 2/5, 2/6 | 2CQ5 504 | 3/13 | 2CX4 | |
| 2CC4 404 | 2/5, 2/6 | 2CQ5 632 | 3/13 | 2CX4 00 | 3/20 |
| 2CC4 454 | 2/5, 2/6 | 2CQ5 634 | 3/13 | 2CX4 01 | 3/20 |
| 2CC4 456 | 2/5, 2/6 | 2CQ5 804 | 3/13 | 2CX4 02 | 3/20 |
| 2CC4 504 | 2/5, 2/6 | 2CQ5 806 | 3/15 | | |
| 2CC4 506 | 2/5, 2/6 | | | | |
| 2CC4 564 | 2/5, 2/6 | | | | |
| 2CC4 566 | 2/5, 2/6 | | | | |
| 2CC4 634 | 2/5, 2/6 | | | | |
| 2CC4 636 | 2/5, 2/6 | | | | |
| 2CC4 714 | 2/5 | | | | |
| 2CC4 716 | 2/5, 2/6 | | | | |

Conditions of sale and delivery

Terms and Conditions of Sale and Delivery

By using this catalog you can acquire hardware and software products described therein from the Siemens AG subject to the following terms. Please note! The scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity.

For customers with a seat or registered office in the Federal Republic of Germany

The „General Terms of Payment“ as well as the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry“ shall apply.

For software products, the „General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany“ shall apply.

For customers with a seat or registered office outside of Germany

The „General Terms of Payment“ as well as the „General Conditions for Supplies of Siemens Automation and Drives for Customers with a Seat or registered Office outside of Germany“ shall apply.

For software products, the „General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office outside of Germany“ shall apply.

General

The prices are in € (Euro) ex works, exclusive packaging.

The sales tax (value added tax) is not included in the prices. It shall be debited separately at the respective rate according to the applicable legal regulations.

In addition to the prices of products which include silver, plump, aluminum and/or copper, surcharges may be calculated if the respective limits of the notes are exceeded. The respective note (e.g. source: German newspaper „Handesblatt“ in category „deutsche Edelmetalle“ and „Metallverarbeiter“) for silver („verarbeitetes Silber“), plump („Blei in Kabeln“), aluminum („Aluminium in Kabeln“) and copper („Elektrolytkupfer“, „DEL-Notiz“) respectively, of the day the order or rather the on call order is received, is decisive for the calculation of the surcharges.

Surcharges of copper shall be calculated for Drives at a note („DEL-Notiz“) above EUR 225,00 / 100 Kg and for chokes / transformers above EUR 150,00 / 100 kg.

Surcharges shall be charged based on the quantities of the materials which are contained in the relevant products.

Prices are subject to change without prior notice. We will debit the prices valid at the time of delivery.

The dimensions are in mm. Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages, - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

Comprehensive Terms and Conditions of Sale and Delivery are available free of charge from your local Siemens business office under the following Order Nos.:

- 6ZB5310-0KR30-0BA0
(for customers based in the Federal Republic of Germany)
- 6ZB5310-0KS53-0BA0
(for customers based outside of the Federal Republic of Germany)

or download them from the Internet:

<http://www.siemens.com/automation/mall>

(Germany: A&D Mall Online-Help System)

Export regulations

The products listed in this catalog / price list may be subject to European / German and/or US export regulations.

Therefore, any export requiring a license is subject to approval by the competent authorities.

According to current provisions, the following export regulations must be observed with respect to the products featured in this catalog / price list:

| | |
|------|--|
| AL | Number of the <u>German Export List</u> . Products marked other than “N” require an export license. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an “ <u>AL not equal to N</u> ” are subject to a European or German export authorization when being exported out of the EU. |
| ECCN | <u>Export Control Classification Number</u> . Products marked other than “N” are subject to a reexport license to specific countries. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an “ <u>ECCN not equal to N</u> ” are subject to a US re-export authorization. |

Even without a label or with an “AL: N” or “ECCN: N”, authorization may be required due to the final destination and purpose for which the goods are to be used.

The deciding factors are the AL or ECCN export authorization indicated on order confirmations, delivery notes and invoices.

Errors excepted and subject to change without prior notice.

A&D/VuL/En 17.03.05

Catalogs of the Automation and Drives Group (A&D)

Further information can be obtained from our branch offices listed in the appendix or at www.siemens.com/automation/partner

| | | | |
|---|----------------|----------------|--|
| Automation and Drives | <i>Catalog</i> | | |
| Interactive catalog on CD-ROM and on DVD | | | |
| • The Offline Mall of Automation and Drives | CA 01 | | |
| Automation Systems for Machine Tools | | | |
| SINUMERIK & SIMODRIVE | NC 60 | | |
| SINUMERIK & SINAMICS | NC 61 | | |
| Drive Systems | | | |
| <u>Variable-Speed Drives</u> | | | |
| SINAMICS G130 Drive Converter Chassis Units, SINAMICS G150 Drive Converter Cabinet Units | D 11 | | |
| SINAMICS G110 Inverter Chassis Units | D 11.1 | | |
| SINAMICS S120 Servo Control Drive System | D 21.2 | | |
| SINAMICS S150 Drive Converter Cabinet Units | D 21.3 | | |
| DC Motors | DA 12 | | |
| SIMOREG DC MASTER 6RA70 Digital Chassis Converters | DA 21.1 | | |
| SIMOREG K 6RA22 Analog Chassis Converters | DA 21.2 | | |
| SIMOREG DC MASTER 6RM70 Digital Converter Cabinet Units | DA 22 | | |
| SIMOVERT PM Modular Converter Systems | DA 45 | | |
| SIEMOSYN Motors | DA 48 | | |
| MICROMASTER 410/420/430/440 Inverters | DA 51.2 | | |
| MICROMASTER 411/COMBIMASTER 411 | DA 51.3 | | |
| SIMOVERT MV Medium-Voltage Drives | DA 63 | | |
| SIMOVERT MASTERDRIVES Vector Control | DA 65.10 | | |
| SIMOVERT MASTERDRIVES Motion Control | DA 65.11 | | |
| Synchronous and asynchronous servomotors for SIMOVERT MASTERDRIVES | DA 65.3 | | |
| SIMODRIVE 611 universal and POSMO | DA 65.4 | | |
| <u>Low-Voltage Three-Phase-Motors</u> | | | |
| Squirrel-Cage Motors, Totally Enclosed, Fan-Cooled | M 11 | | |
| <u>Automation Systems for Machine Tools SIMODRIVE</u> | NC 60 | | |
| • Main Spindle/Feed Motors | | | |
| • Converter Systems SIMODRIVE 611/POSMO | | | |
| <u>Automation Systems for Machine Tools SINAMICS</u> | NC 61 | | |
| • Main Spindle/Feed Motors | | | |
| • Drive System SINAMICS S120 | | | |
| <u>Drive and Control Components for Hoisting Equipment</u> | HE 1 | | |
| Electrical Installation Technology | | | |
| ALPHA Small Distribution Boards and Distribution Boards | ETA 1 | | |
| <i>PDF: ALPHA 8HP Molded-Plastic Distribution System</i> | ETA 3 | | |
| <i>PDF: ALPHA FIX Terminal Blocks</i> | ETA 5 | | |
| BETA Modular Installation Devices | ET B1 | | |
| DELTA Switches and Outlets | ET D1 | | |
| GAMMA Building Management Systems | ET G1 | | |
| Human Machine Interface Systems SIMATIC HMI | ST 80 | | |
| Industrial Communication for Automation and Drives | IK PI | | |
| Low-Voltage | | <i>Catalog</i> | |
| Controls and Distribution – SIRIUS, SENTRON, SIVACON | | LV 1 | |
| Controls and Distribution – Technical Information SIRIUS, SENTRON, SIVACON | | LV 1 T | |
| Circuit-Breakers from 10 A to 3200 A | | LV 35 | |
| SIDAC reactors and filters | | LV 60 | |
| SIVACON 8PS Busbar trunking systems CD, BD01, BD2 up to 1250 A | | LV 70 | |
| Motion Control System SIMOTION | | PM 10 | |
| Process Instrumentation and Analytics | | | |
| Field Instruments for Process Automation | | FI 01 | |
| Measuring Instruments for Pressure, Differential Pressure, Flow, Level and Temperature, Positioners and Liquid Meters | | | |
| <i>PDF: Indicators for panel mounting</i> | | MP 12 | |
| SIREC Recorders and Accessories | | MP 20 | |
| SIPART, Controllers and Software | | MP 31 | |
| SIWAREX Weighing Systems | | WT 01 | |
| Continuous Weighing and Process Protection | | WT 02 | |
| Process Analytical Instruments | | PA 01 | |
| <i>PDF: Process Analytics, Components for the System Integration</i> | | PA 11 | |
| SIMATIC Industrial Automation Systems | | | |
| SIMATIC PCS Process Control System | | ST 45 | |
| Products for Totally Integrated Automation and Micro Automation | | ST 70 | |
| SIMATIC PCS 7 Process Control System | | ST PCS 7 | |
| Add-ons for the SIMATIC PCS 7 Process Control System | | ST PCS 7.1 | |
| pc-based Automation | | ST PC | |
| SIMATIC Control Systems | | ST DA | |
| SIMATIC Sensors | | FS 10 | |
| SIPOS Electric Actuators | | | |
| Electric Rotary, Linear and Part-turn Actuators | | MP 35 | |
| Electric Rotary Actuators for Nuclear Plants | | MP 35.1/2 | |
| Systems Engineering | | | |
| Power supplies SITOP power | | KT 10.1 | |
| System cabling SIMATIC TOP connect | | KT 10.2 | |
| System Solutions | | | |
| Applications and Products for Industry are part of the interactive catalog CA 01 | | | |
| TELEPERM M Process Control System | | | |
| <i>PDF: AS 488/TM automation systems</i> | | PLT 112 | |

The information provided in this catalog contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

Token fee 2.00 €

Siemens AG

Automation and Drives
Low-Voltage Controls and Distribution
Postfach 4848
90327 NÜRNBERG
GERMANY

www.siemens.com/lowvoltage

Order no. E86060-K1865-A101-A1-7600