

DVN
AMCA





Casing

The Casing is made from sea water resistant aluminium. Base frame manufactured from galvanised steel with integrated inlet cone. Integrated bird guard manufactured from powder coated, galvanised steel.

Motor

DVN fans are equipped with AC motors suitable for 50Hz and 60Hz.

Output control

AC motors can be controlled by 5-step, stepless speed regulator, D/Y switch or frequency converter.

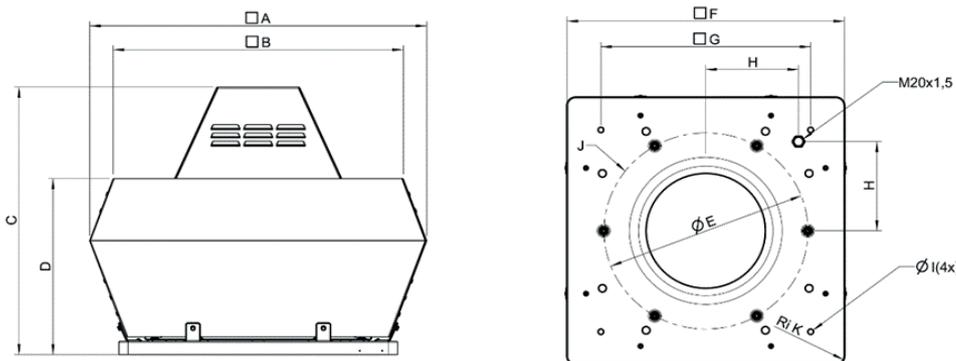
Motor protection

Depending on the type, AC motors have an integrated thermal protection with manual (electrical) reset, prewired integral thermocontact TK or thermistor PTC with leads to a motor protection device.

Impeller

The DVN fans use radial impeller with backward curved blades. These are made out of aluminum, dynamically balanced and paired with corresponding IEC motor with efficiency IE3 motor.

Dimension



| Model | Article. no. | □A | □B | C | D | E | F | □G | H | I | J |
|-----------------|--------------|------|-----|-----|-----|-----|-----|-----|-----|----------|---------|
| DVN 355D4 - KSA | 251427KSA | 720 | 618 | 600 | 390 | 438 | 595 | 450 | 200 | ∅12 (4x) | ∅9 (6x) |
| DVN 400D4 - KSA | 269440KSA | 720 | 618 | 600 | 390 | 438 | 595 | 450 | 200 | ∅12 (4x) | ∅9 (6x) |
| DVN 450D4 - KSA | 278154KSA | 900 | 730 | 675 | 465 | 438 | 665 | 535 | 237 | ∅12 (4x) | ∅9 (6x) |
| DVN 500D4 - KSA | 87807KSA | 900 | 730 | 675 | 465 | 438 | 665 | 535 | 237 | ∅12 (4x) | ∅9 (6x) |
| DVN 560D4 - KSA | 276508KSA | 1150 | 955 | 900 | 560 | 605 | 939 | 750 | 293 | ∅14 (4x) | ∅9 (8x) |
| DVN 630D4 - KSA | 276813KSA | 1150 | 955 | 900 | 560 | 605 | 939 | 750 | 293 | ∅14 (4x) | ∅9 (8x) |

Dimensions are in mm



Performance Data

| Model | Article. no. | Voltage | Phase | Frequency | Rated power | Rated amps | Impeller speed | Sound power (*) |
|-----------------|--------------|---------|-------|-----------|-------------|------------|----------------|-----------------|
| | | V | ~ | HZ | W | A | r.p.m. | dB(A) |
| DVN 355D4 - KSA | 251427KSA | 380-400 | 3 | 60 | 370 | 1.02 | 1602 | 82 |
| DVN 400D4 - KSA | 269440KSA | 380-400 | 3 | 60 | 750 | 1.61 | 1714 | 85 |
| DVN 450D4 - KSA | 278154KSA | 380-400 | 3 | 60 | 1500 | 2.74 | 1736 | 91 |
| DVN 500D4 - KSA | 87807KSA | 380-400 | 3 | 60 | 1500 | 2.74 | 1736 | 92 |
| DVN 560D4 - KSA | 276508KSA | 380-400 | 3 | 60 | 3000 | 6.04 | 1726 | 95 |
| DVN 630D4 - KSA | 276813KSA | 380-400 | 3 | 60 | 5500 | 10.6 | 1770 | 100 |

(*) Sound power values ratings shown at freeblowing at 0 Pa max rpm.

Performance certified is for installation type A: free inlet; free outlet.

Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are in decibels, referred to 10⁻¹² Watts calculated AMCA standard 301. Values shown are for inlet LwIA for Installation type A.

Ratings do not include the effect of duct end correction.

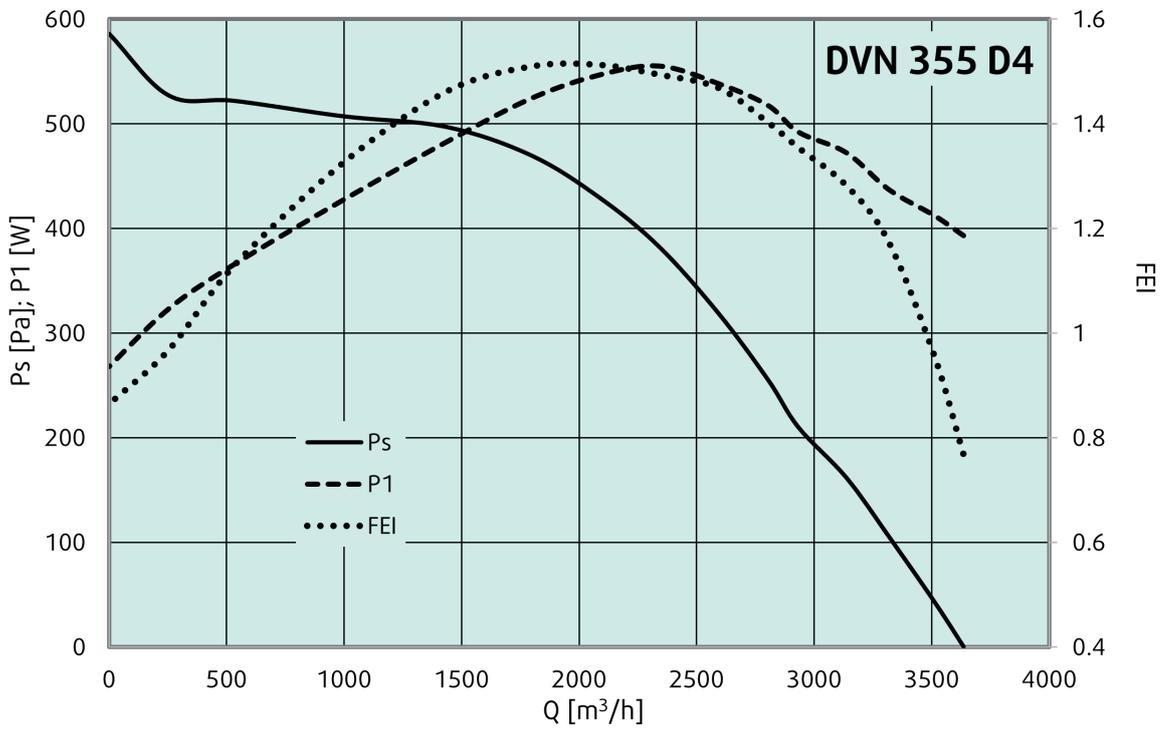
| Model | Article. no. | Air flow [m ³ /h] | | | | | | | | Max Pa |
|-----------------|--------------|------------------------------|--------|--------|--------|--------|---------|---------|---------|--------|
| | | 0 Pa | 200 Pa | 400 Pa | 600 Pa | 800 Pa | 1000 Pa | 1200 Pa | 1400 Pa | |
| DVN 355D4 - KSA | 251427KSA | 3625 | 3009 | 2261 | - | - | - | - | - | 585.8 |
| DVN 400D4 - KSA | 269440KSA | 4959 | 4389 | 3746 | 2597 | - | - | - | - | 708 |
| DVN 450D4 - KSA | 278154KSA | 6910 | 6095 | 5373 | 4418 | 3135 | - | - | - | 898.2 |
| DVN 500D4 - KSA | 87807KSA | 9480 | 8599 | 7997 | 6862 | 5890 | - | - | - | 1019.5 |
| DVN 560D4 - KSA | 276508KSA | 13253 | 12339 | 11383 | 10260 | 9218 | 8251 | 2184 | - | 1305.6 |
| DVN 630D4 - KSA | 276813KSA | 17710 | 16960 | 15893 | 15075 | 14049 | 12702 | 11048 | 7412 | 1606 |



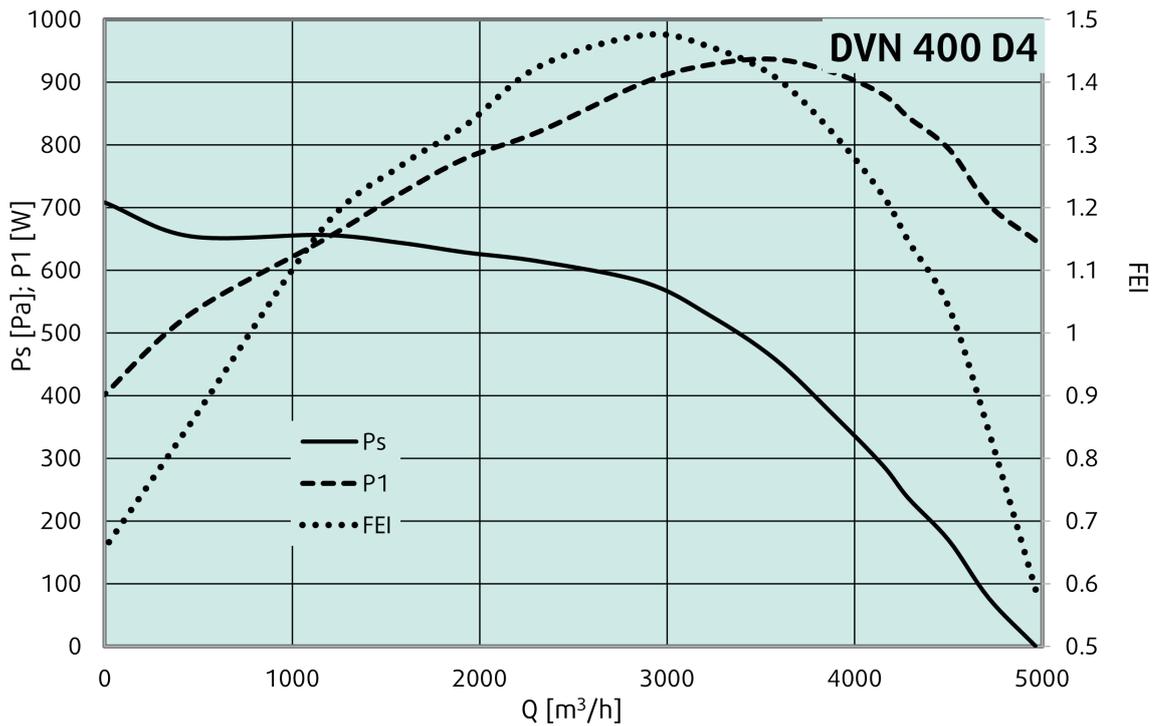
Systemair certifies that the DVN series shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



DVN 355D4 - KSA

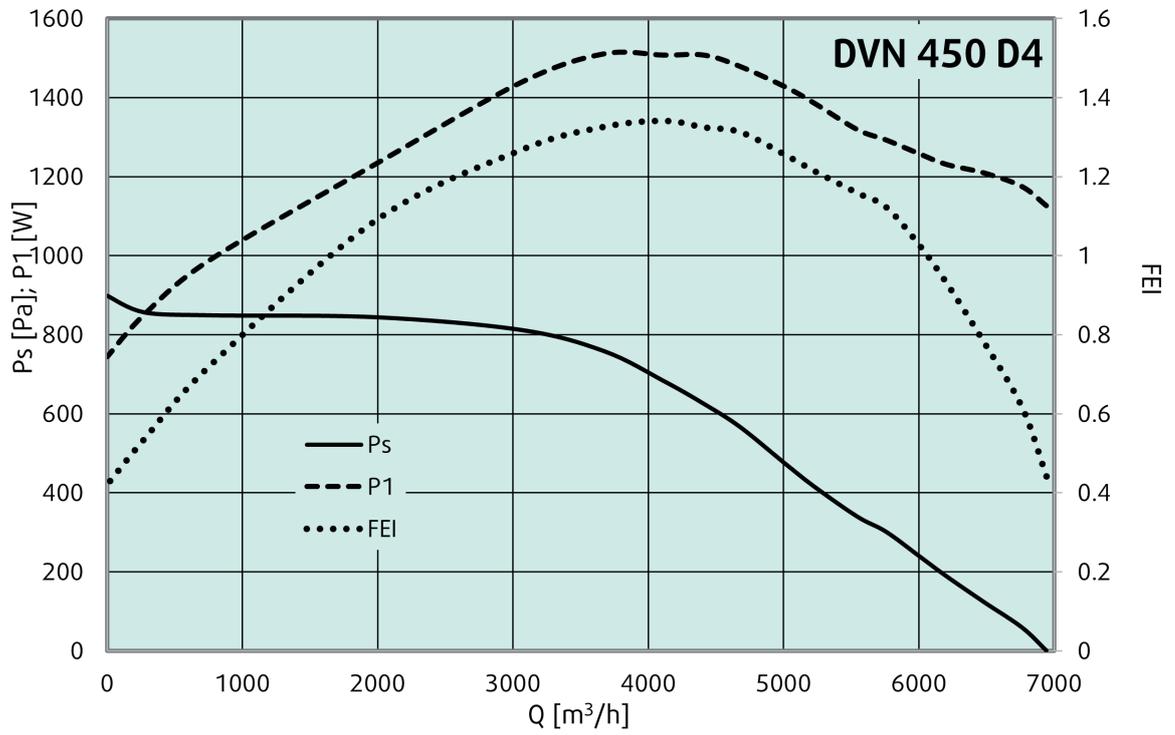


DVN 400D4 - KSA

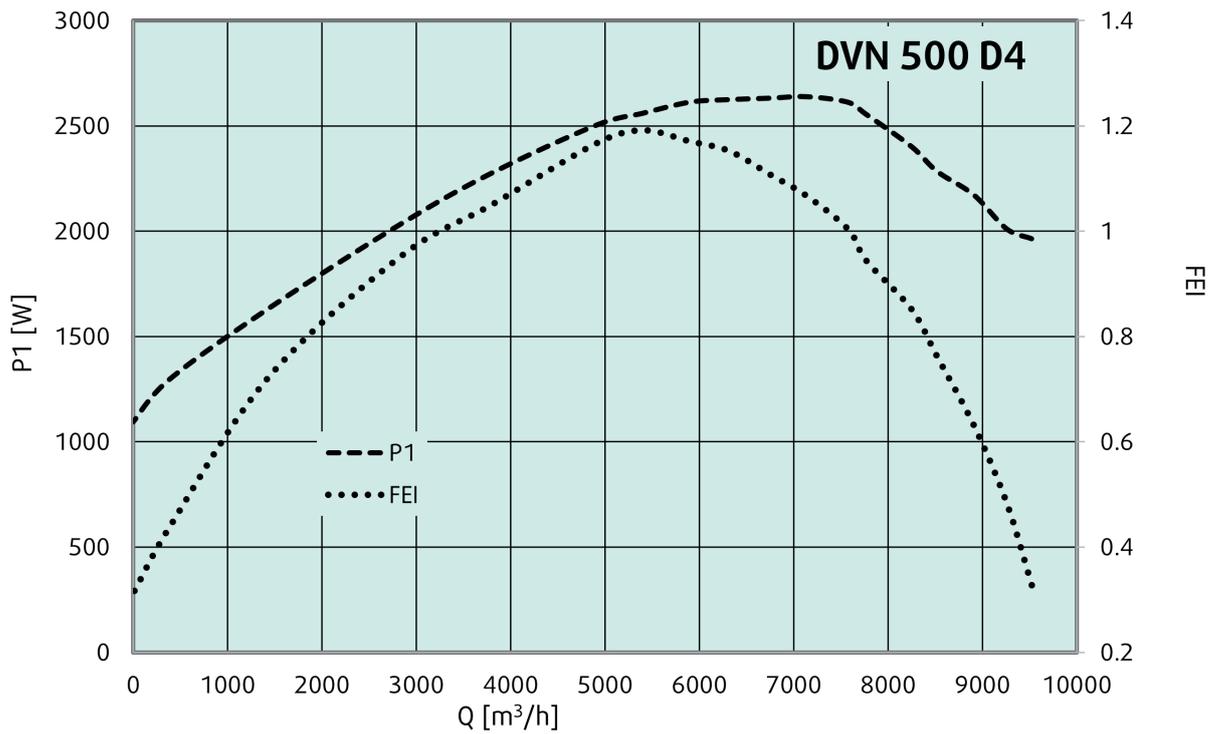




DVN 450D4 - KSA

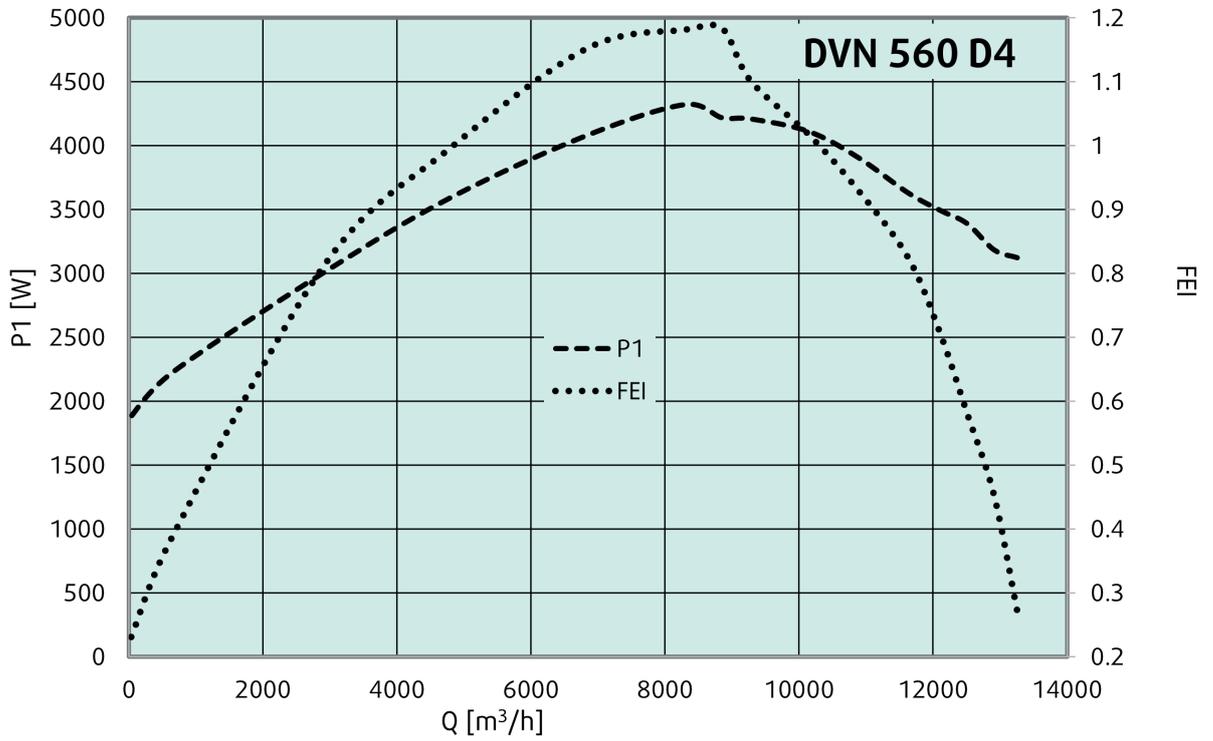


DVN 500D4 - KSA





DVN 560D4 - KSA



DVN 630D4 - KSA

