# NEW Sabre® Sickle Short Case Fans (VSC)

## Features and Benefits

- **Swept impeller with Aerofoil blades, winglets and serrated trailing edge for optimum performance**
- **One shot die cast impeller, dynamically balanced for smoother operation**
- **Operating temperature up to 70°C**
- **External Rotor Motors on all models for compact efficient design**
- **All models speed controllable**
- **Guards fitted as standard on all models**
- **Thermal Overload Protection for motor protection**
- **Maintenance free sealed for life bearings**
- **2 Year Guarantee**

The latest generation of the Vent-Axia Sabre® Sickle Short Case fans incorporate the very latest FE2 Owlett impeller offering improved performance over the previous ranges with up to 7dB(A) reduction in sound and up to 15% improvement in efficiency ensuring the best available fan performance in its class. The advanced blade design is matched to a purpose designed external rotor motor to ensure unrivalled reliability and controllability.

## Design and Development

Using a combination of NASA research into wing performance and winglets, coupled with a study of bird flight has enabled the development of the best available Sickle blade profile. Matching this to a purpose designed close fitting casing ensures best use of this blade technology thereby reducing noise and improving the performance in cased axial fans.

## Construction

The Sabre® Sickle Short Case fan range share the same case lengths as the Euroseries Cased axial range making them fully interchangeable and compatible with the full range of Vent-Axia Accessories. The strong and compact short case is constructed from rolled steel plate and protected with a tough, epoxy paint finish. Casing dimensions are to DIN 24151 and flange dimensions are to ISO 6580.

Manufacture is controlled to BS EN ISO 9001. The compact motor/impeller unit is robustly supported within the casing by electro welded and epoxy coated steel rod mounting supports for ease of installation and service access. Suitable for all outdoor weather environments.

## Impellers

The impellers incorporate the latest in Sickle blade aerofoil technology to ensure minimum sound and maximum performance. Impellers up to 400mm diameter are moulded from a composite polymer, impellers above this size are Aluminium. The motors and impellers are factory matched, statically and dynamically balanced to ISO 1940 part 1, Quality Class G.6.3.

## Motors

The external rotor motors are specifically designed and styled for this range of fan. Ball bearings are greased for life. Sizes 315 - 710 motors are protected to IP54 against dust and moisture, complying with BS EN 60529.

They have ribbed aluminium body castings for efficient cooling with Motor insulation to Class 'F' (from -40°C to + 70°C). Speed controlled sizes 450 to 710, 6 & 8 pole motors are only suitable for operating temperatures of up to 40°C.

## Electrical

The Sabre® Sickle Short Case fan range is available for either single phase 220-240V 50 Hz capacitor start and run or three phase 380-415V 50Hz. Motors are fitted with Thermal Overload Protection which should be wired into all controller circuits and into starter contactors to prevent motor damage due to overloading / overheating.

## Speed Control

Units are suitable for speed control by either electronic, voltage reduction or frequency inverters where permissible. For optimum efficiency and controllability Vent-Axia recommend the use of the eDemand Inverter Controller to give close control via sensors or manual control.

## Form of Running

Cased mounted fans (ex-stock) are supplied for extract use (Form 'B' running).

## Performance

The fan performance is in accordance with tests to ISO 5801.

## Sound Levels

Fan sound levels are measured in a reverberant chamber in accordance with ISO 3744 Part 1. Published dB(A) figures are free field sound pressure levels at 3m with spherical propagation at a reference level of 2 x $10^{-5}$Pa (20 micro-Pascal). The sound power level spectra figures are dB with a reference level of $10^{-12}$ Watts (1 pico-watt).

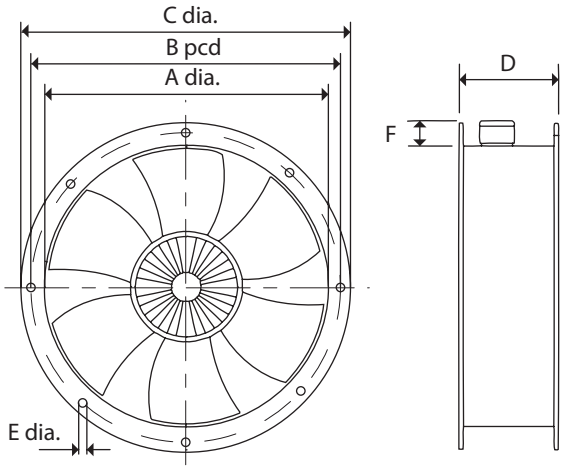
To ensure minimum noise levels during speed control, either an auto transformer or eDemand inverter speed control is recommended.

## Accessories

A full range of accessories is available with the Sabre® Sickle Short Case fans:

- Electronic Speed Controllers
- Auto Transformer Speed Controllers
- eDemand Inverter Speed Control
- D.O.L. Starters
- Ancillary Packs
- Attenuators

## Fan Dimensions (mm)



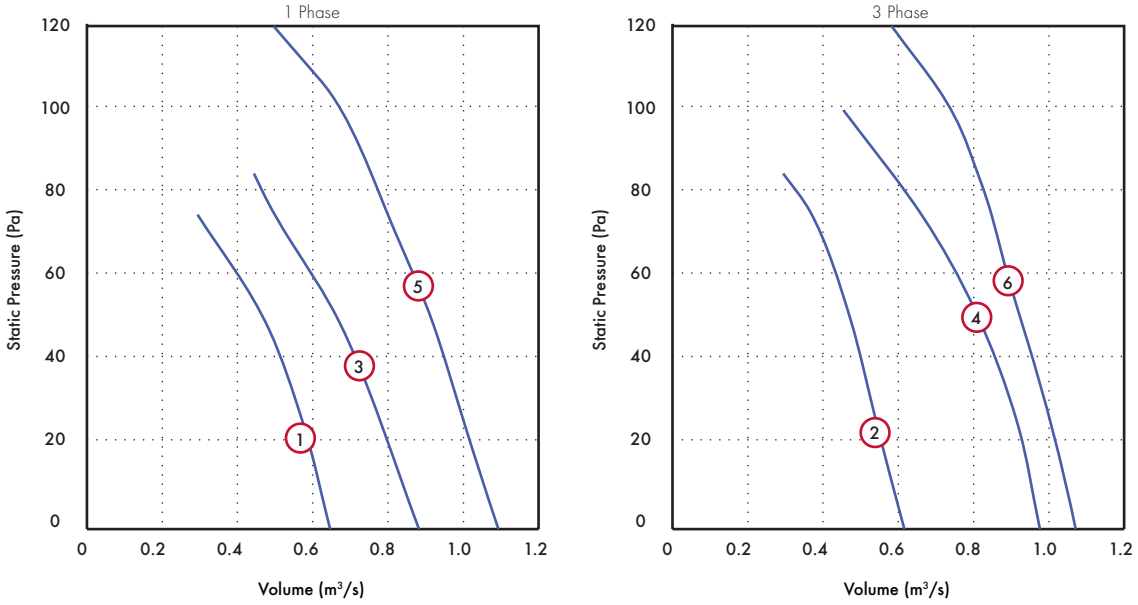

| Stock Ref | Kg | A | B | C | D | E | n* | F |
|---|---|---|---|---|---|---|---|---|
| VSC31514 | 7 | 316 | 356 | 382 | 136.5 | 9.5 | 8 | 65 |
| VSC31534 | 7 | 316 | 356 | 382 | 136.5 | 9.5 | 8 | 65 |
| VSC35514 | 7 | 356 | 395 | 421 | 136.5 | 9.5 | 8 | 65 |
| VSC35534 | 7.1 | 359 | 395 | 421 | 135 | 9.5 | 8 | 65 |
| VSC40014 | 8.3 | 400 | 438 | 466 | 155 | 9.5 | 12 | 65 |
| VSC40034 | 8.3 | 400 | 438 | 466 | 155 | 9.5 | 12 | 65 |
| VSC45014 | 15.7 | 451 | 487 | 515 | 160 | 9.5 | 12 | 65 |
| VSC45034 | 14.2 | 451 | 487 | 515 | 160 | 9.5 | 12 | 65 |
| VSC45036 | 14.2 | 451 | 487 | 515 | 160 | 9.5 | 12 | 65 |
| VSC50014 | 16.8 | 503 | 541 | 567 | 166 | 9.5 | 12 | 65 |
| VSC50034 | 16.8 | 503 | 541 | 567 | 166 | 9.5 | 12 | 65 |
| VSC50036 | 16.8 | 503 | 541 | 567 | 166 | 9.5 | 12 | 65 |
| VSC56014 | 29.7 | 559 | 605 | 635 | 210 | 11.5 | 16 | 75 |
| VSC56034 | 21.3 | 559 | 605 | 635 | 210 | 11.5 | 16 | 75 |
| VSC56034 | 21.3 | 559 | 605 | 635 | 210 | 11.5 | 16 | 75 |
| VSC63034 | 35.8 | 634 | 674 | 707 | 225.5 | 11.5 | 16 | 75 |
| VSC63036 | 35.8 | 634 | 674 | 707 | 225.5 | 11.5 | 16 | 75 |
| VSC71036 | 41.8 | 711 | 751 | 785 | 260 | 11.5 | 16 | 75 |
| VSC71016 | 36.8 | 711 | 751 | 785 | 260 | 11.5 | 16 | 75 |
| VSC71038 | 41.8 | 711 | 751 | 785 | 260 | 11.5 | 16 | 75 |

*n = number of holes

# Sabre® Sickle Short Case Fans (VSC)

## Performance Curves

315 to 400 dia. - Pole 4




## Performance Guide

| Stock Ref | Supply | IP Rating | Motor kW | F.L.C Amps | S.C. Amps | Poles | rpm | Curve | | Volume m³/s @ Pa 0 | 25 | 50 | 75 | 100 | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VSC31514 | 230/1/50 | IP54 | 0.14 | 0.62 | 2.48 | 4 | 1360 | 1 | Volume m³/s | 0.65 | 0.58 | 0.47 | 0.29 | | 44 |
| | | | | | | | | | Power Watts | 85 | 93 | 100 | 110 | | |
| VSC31534 | 400/3/50 | IP54 | 0.12 | 0.68 | 2.72 | 4 | 1450 | 2 | Volume m³/s | 0.62 | 0.54 | 0.47 | 0.38 | | 47 |
| | | | | | | | | | Power Watts | 105 | 115 | 117 | 120 | | |
| VSC35514 | 230/1/50 | IP54 | 0.18 | 0.75 | 3 | 4 | 1260 | 3 | Volume m³/s | 0.88 | 0.78 | 0.67 | 0.50 | | 48 |
| | | | | | | | | | Power Watts | 145 | 155 | 167 | 181 | | |
| VSC35534 | 400/3/50 | IP54 | 0.14 | 0.4 | 1.6 | 4 | 1390 | 4 | Volume m³/s | 0.98 | 0.92 | 0.82 | 0.67 | 0.44 | 48 |
| | | | | | | | | | Power Watts | 155 | 166 | 174 | 179 | 186 | |
| VSC40014 | 230/1/50 | IP54 | 0.24 | 1.05 | 4.2 | 4 | 1340 | 5 | Volume m³/s | 1.09 | 1.00 | 0.92 | 0.79 | 0.67 | 46 |
| | | | | | | | | | Power Watts | 183 | 197 | 210 | 224 | 236 | |
| VSC40034 | 400/3/50 | IP54 | 0.17 | 0.46 | 1.84 | 4 | 1360 | 6 | Volume m³/s | 1.07 | 1.01 | 0.92 | 0.85 | 0.74 | 44 |
| | | | | | | | | | Power Watts | 168 | 184 | 200 | 214 | 228 | |

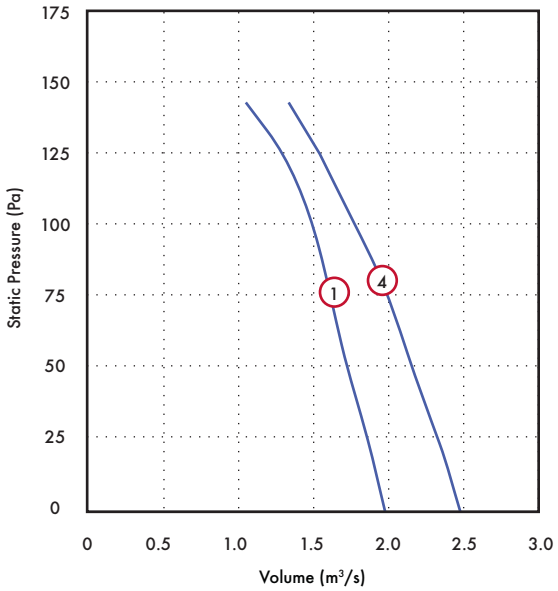
## Sound Power Level Spectra dB (ref $10^{-12}$ Watts)

| Stock Ref | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|
| VSC31514 | 71 | 70 | 65 | 60 | 58 | 59 | 55 | 47 | 44 |
| VSC31534 | 75 | 71 | 62 | 60 | 61 | 62 | 59 | 51 | 47 |
| VSC35514 | 67 | 70 | 67 | 64 | 58 | 60 | 53 | 45 | 48 |
| VSC35534 | 74 | 66 | 61 | 63 | 64 | 63 | 59 | 53 | 48 |
| VSC40014 | 72 | 73 | 66 | 62 | 60 | 59 | 54 | 48 | 46 |
| VSC40034 | 67 | 67 | 61 | 60 | 60 | 59 | 54 | 48 | 44 |

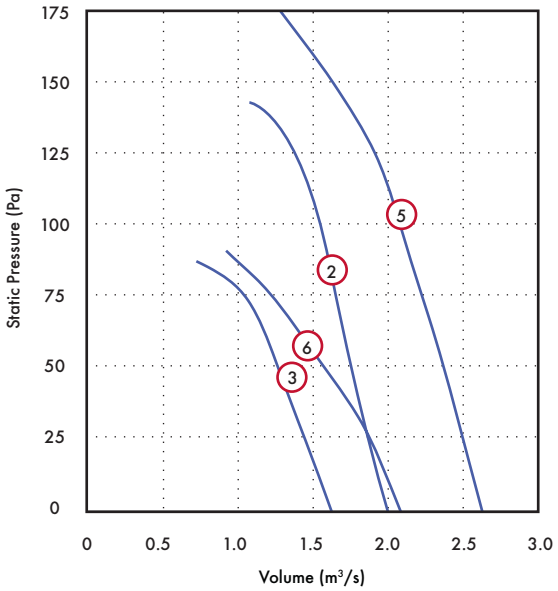
## Performance Curves

450 to 500 dia. - Pole 4 & 6

1 Phase




3 Phase




## Performance Guide

| Stock Ref | Supply | IP Rating | Motor kW | F.L.C Amps | S.C. Amps | Poles | rpm | Curve | | Volume m³/s @ Pa 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VSC45014 | 230/1/50 | IP54 | 0.56 | 2.5 | 10 | 4 | 1320 | 1 | Volume m³/s | 1.98 | 1.86 | 1.72 | 1.58 | 1.50 | 1.31 | | | 49 |
| | | | | | | | | | Power Watts | 481 | 490 | 510 | 530 | 537 | 546 | | | |
| VSC45034 | 400/3/50 | IP54 | 0.54 | 1.1 | 4.4 | 4 | 1350 | 2 | Volume m³/s | 2.00 | 1.89 | 1.75 | 1.68 | 1.53 | 1.41 | | | 49 |
| | | | | | | | | | Power Watts | 446 | 450 | 485 | 510 | 523 | 532 | | | |
| VSC45036 | 400/3/50 | IP54 | 0.36 | 0.66 | 2.64 | 6 | 1020 | 3 | Volume m³/s | 1.623 | 1.448 | 1.254 | 1.056 | | | | | 44 |
| | | | | | | | | | Power Watts | 333 | 351 | 364 | 372 | | | | | |
| VSC50014 | 230/1/50 | IP54 | 0.76 | 3.3 | 13.2 | 4 | 1230 | 4 | Volume m³/s | 2.48 | 2.33 | 2.14 | 2.02 | 1.78 | 1.54 | | | 51 |
| | | | | | | | | | Power Watts | 626 | 649 | 670 | 696 | 710 | 740 | | | |
| VSC50034 | 400/3/50 | IP54 | 0.84 | 1.45 | 5.8 | 4 | 1340 | 5 | Volume m³/s | 2.63 | 2.50 | 2.38 | 2.22 | 2.08 | 1.91 | 1.63 | 1.28 | 52 |
| | | | | | | | | | Power Watts | 616 | 653 | 683 | 713 | 739 | 765 | 802 | 829 | |
| VSC50036 | 400/3/50 | IP54 | 0.54 | 0.96 | 3.84 | 6 | 940 | 6 | Volume m³/s | 2.08 | 1.89 | 1.57 | 1.25 | | | | | 47 |
| | | | | | | | | | Power Watts | 472 | 498 | 517 | 530 | | | | | |

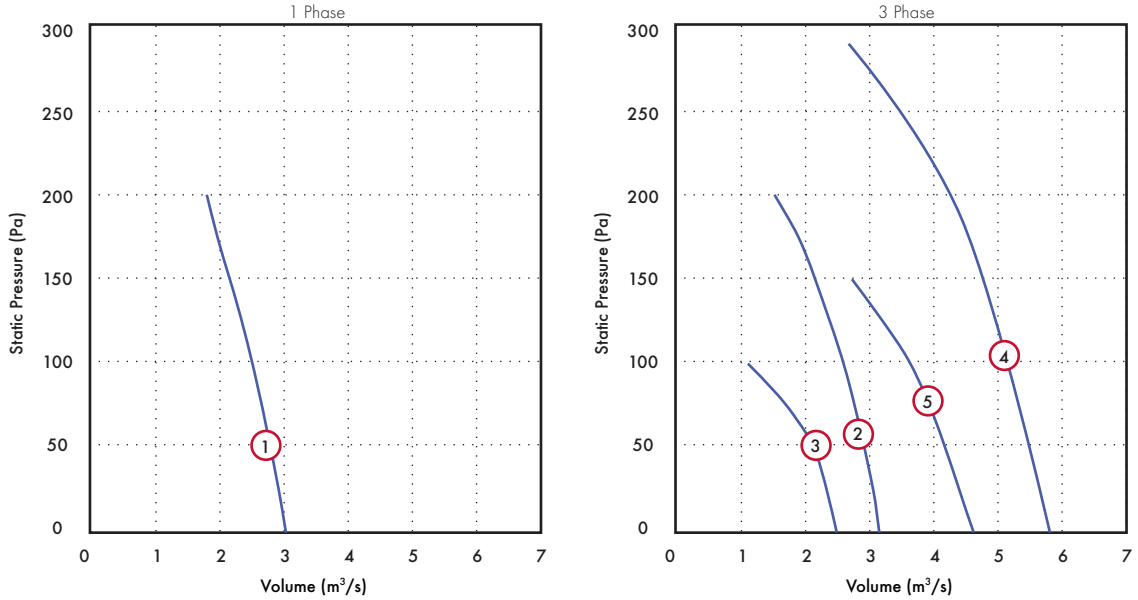
## Sound Power Level Spectra dB (ref $10^{-12}$ Watts)

| Stock Ref | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|
| VSC45014 | 67 | 69 | 71 | 63 | 63 | 63 | 59 | 53 | 49 |
| VSC45034 | 72 | 70 | 65 | 65 | 64 | 64 | 59 | 53 | 49 |
| VSC45036 | 71 | 66 | 60 | 60 | 60 | 58 | 51 | 43 | 44 |
| VSC50014 | 71 | 75 | 67 | 63 | 67 | 68 | 60 | 52 | 51 |
| VSC50034 | 74 | 72 | 66 | 66 | 68 | 68 | 62 | 56 | 52 |
| VSC50036 | 77 | 77 | 72 | 66 | 64 | 61 | 54 | 47 | 47 |

# Sabre® Sickle Short Case Fans (VSC)

## Performance Curves

560 to 630 dia. - Pole 4 & 6




## Performance Guide

| Stock Ref | Supply | IP Rating | Motor kW | F.L.C Amps | S.C. Amps | Poles | rpm | Curve | | Volume m³/s @ Pa 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VSC56014 | 230/1/50 | IP54 | 1.15 | 5 | 20 | 4 | 1330 | 1 | Volume m³/s | 3.03 | 2.92 | 2.78 | 2.67 | 2.50 | 2.36 | 2.15 | 1.96 | 1.79 | | | | 62 |
| | | | | | | | | | Power Watts | 824 | 850 | 910 | 946 | 996 | 1020 | 1055 | 1085 | 1114 | | | | |
| VSC56034 | 400/3/50 | IP54 | 1.05 | 2.2 | 8.8 | 4 | 1280 | 2 | Volume m³/s | 3.15 | 3.06 | 2.89 | 2.76 | 2.59 | 2.39 | 2.14 | 1.89 | 1.52 | | | | 57 |
| | | | | | | | | | Power Watts | 742 | 770 | 830 | 870 | 910 | 945 | 975 | 1014 | 1044 | | | | |
| VSC56036 | 400/3/50 | IP54 | 0.65 | 1.25 | 5 | 6 | 880 | 3 | Volume m³/s | 2.47 | 2.28 | 2.06 | 1.67 | 1.11 | | | | | | | | 51 |
| | | | | | | | | | Power Watts | 560 | 580 | 605 | 628 | 650 | | | | | | | | |
| VSC63034 | 400/3/50 | IP54 | 2.4 | 4.6 | 18.4 | 4 | 1320 | 4 | Volume m³/s | 5.81 | 5.64 | 5.50 | 5.35 | 5.21 | 5.00 | 4.69 | 4.54 | 4.23 | 3.61 | 3.56 | 3.40 | 60 |
| | | | | | | | | | Power Watts | 2396 | 2440 | 2511 | 2550 | 2603 | 2650 | 2700 | 2735 | 2750 | 2762 | 2769 | 2759 | |
| VSC63036 | 400/3/50 | IP54 | 1.5 | 2.6 | 10.4 | 6 | 1040 | 5 | Volume m³/s | 4.62 | 4.39 | 4.17 | 3.91 | 3.63 | 3.21 | 2.72 | | | | | | 55 |
| | | | | | | | | | Power Watts | 1608 | 1640 | 1677 | 1695 | 1722 | 1741 | 1753 | | | | | | |

## Sound Power Level Spectra dB (ref $10^{-12}$ Watts)

| Stock Ref | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|
| VSC56014 | 79 | 78 | 74 | 74 | 77 | 77 | 73 | 66 | 62 |
| VSC56034 | 84 | 78 | 76 | 74 | 75 | 74 | 70 | 63 | 57 |
| VSC56036 | 77 | 77 | 67 | 66 | 67 | 66 | 60 | 54 | 51 |
| VSC63034 | 85 | 80 | 77 | 75 | 78 | 77 | 71 | 66 | 60 |
| VSC63036 | 84 | 75 | 71 | 71 | 74 | 71 | 65 | 59 | 55 |



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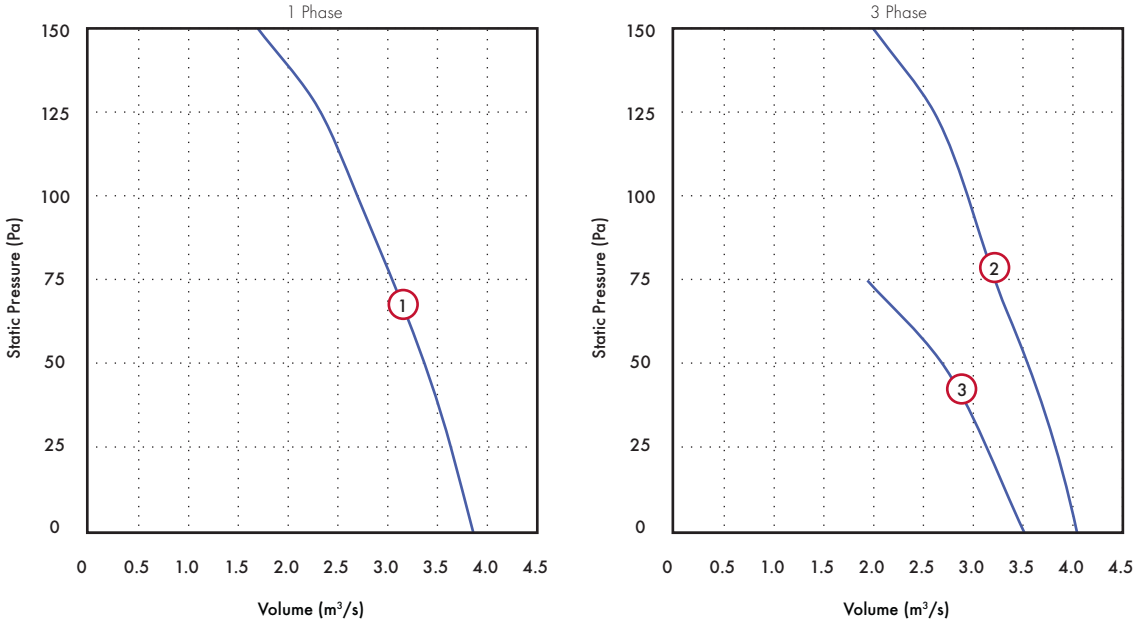
## Performance Curves

710 dia. - Pole 6 & 8




## Performance Guide

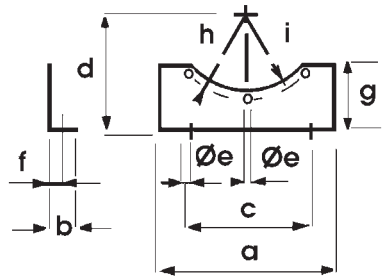
| Stock Ref | Supply | IP Rating | Motor kW | F.L.C Amps | S.C. Amps | Poles | rpm | Curve | | Volume m³/s @ Pa 0 | 25 | 50 | 75 | 100 | 125 | 150 | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VSC71016 | 230/1/50 | IP54 | 0.95 | 4.4 | 17.6 | 6 | 850 | 1 | Volume m³/s | 3.859 | 3.637 | 3.399 | 3.056 | 2.677 | 2.333 | 1.695 | 52 |
| | | | | | | | | | Power Watts | 607 | 666 | 705 | 750 | 808 | 850 | 950 | |
| VSC71036 | 400/3/50 | IP54 | 0.94 | 1.7 | 6.8 | 6 | 900 | 2 | Volume m³/s | 4.042 | 3.861 | 3.611 | 3.194 | 2.919 | 2.608 | 1.994 | 49 |
| | | | | | | | | | Power Watts | 560 | 590 | 670 | 768 | 813 | 861 | 931 | |
| VSC71038 | 400/3/50 | IP54 | 0.62 | 1.05 | 4.2 | 8 | 690 | 3 | Volume m³/s | 3.512 | 3.115 | 2.694 | 1.936 | | | | 45 |
| | | | | | | | | | Power Watts | 451 | 510 | 560 | 615 | | | | |

## Sound Power Level Spectra dB (ref $10^{-12}$ Watts)

| Stock Ref | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz | dB(A) @ 3.0m |
|---|---|---|---|---|---|---|---|---|---|
| VSC71016 | 81 | 81 | 72 | 69 | 70 | 67 | 61 | 57 | 52 |
| VSC71036 | 69 | 69 | 68 | 67 | 68 | 65 | 59 | 52 | 49 |
| VSC71038 | 66 | 63 | 63 | 65 | 62 | 59 | 50 | 44 | 45 |

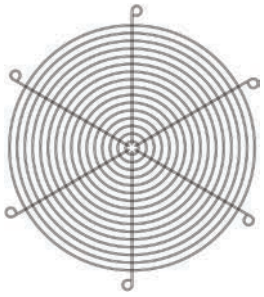
## Accessories Dimensions (mm)

### Mounting Feet (Pack of 2)




| Stock Ref | a | b | c | d | Øe | f | g | h | i |
|---|---|---|---|---|---|---|---|---|---|
| MFZ315 | 315 | 40 | 265 | 200 | 10 | 20 | 71 | 178 | 166 |
| MFZ355 | 350 | 40 | 300 | 225 | 10 | 20 | 81.5 | 197.5 | 186 |
| MFZ400 | 250 | 40 | 220 | 250 | 10 | 20 | 78 | 219 | 205 |
| MFZ450 | 275 | 40 | 240 | 275 | 10 | 20 | 82 | 243.5 | 230 |
| MFZ500 | 315 | 50 | 280 | 315 | 1 | 25 | 100 | 270.5 | 255 |
| MFZ560 | 355 | 50 | 320 | 355 | 12 | 25 | 97 | 302.5 | 285 |
| MFZ630 | 400 | 50 | 360 | 400 | 12 | 25 | 108.5 | 337 | 320 |
| MFZ710 | 465 | 50 | 415 | 450 | 12 | 25 | 118.5 | 375.5 | 362 |

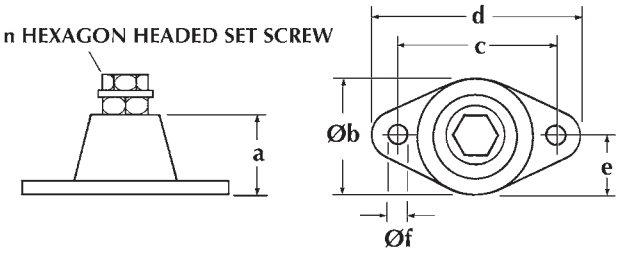
### Inlet Wire Guard 'K' factor loss 0.25



| Stock Ref | Dia |
|---|---|
| WGZ315 | 375 |
| WGZ355 | 414 |
| WGZ400 | 461 |
| WGZ450 | 506 |
| WGZ500 | 560 |
| WGZ560 | 626.5 |
| WGZ630 | 695.5 |
| WGZ710 | 772.5 |

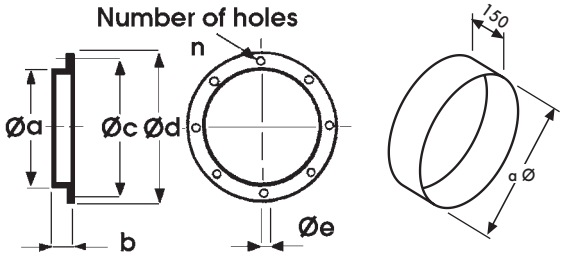
For more information on the 'K' factor, refer to General Information Section

### Anti-Vibration Mounts (Pack of 4) - All Models




| Stock Ref | a | Øb | c | d | e | Øf | n | load kg |
|---|---|---|---|---|---|---|---|---|
| 68MP033G | 27 | 37 | 54 | 67 | 18.5 | 7 | M8 | 23 |

### Coupling Flange




Flexible Connection

| Stock Ref | Øa | b | Øc | Ød | Øe | Øf | n |
|---|---|---|---|---|---|---|---|
| CFZ315 | 313 | 40 | 356 | 382 | 10 | 319 | 8 |
| CFZ355 | 353 | 40 | 395 | 421 | 10 | 359 | 8 |
| CFZ400 | 398 | 45 | 438 | 466 | 10 | 404 | 12 |
| CFZ450 | 448 | 45 | 487 | 515 | 10 | 454 | 12 |
| CFZ500 | 498 | 45 | 541 | 567 | 10 | 504 | 12 |
| CFZ560 | 558 | 45 | 605 | 635 | 12 | 564 | 16 |
| CFZ630 | 628 | 45 | 674 | 707 | 12 | 634 | 16 |
| CFZ710 | 708 | 50 | 751 | 785 | 12 | 714 | 16 |

## Accessories

| Stock Ref | Supply | Electronic Controller* | 5 Step Auto Transformer | eDemand Voltage* | eDemand 3ph Inverter | eDemand 1ph in 3ph out Inverter | eDemand 1Ph Inverter | D.O.L Starter | Overload |
|---|---|---|---|---|---|---|---|---|---|
| VSC31514 | 230/1/50 | W10303102M | 10314102 | 444164 | - | - | 444169 | 444744 | 444699 |
| VSC31534 | 400/3/50 | - | 10314301 | 444166 | 444172 | 444177 | - | 444747 | 444699 |
| VSC35514 | 230/1/50 | W10303102M | 10314102 | 444164 | - | - | 444169 | 444744 | 444699 |
| VSC35534 | 400/3/50 | - | 10314301 | 444166 | 444172 | 444177 | - | 444747 | 444698 |
| VSC40014 | 230/1/50 | W10303102M | 10314102 | 444164 | - | - | 444169 | 444744 | 444700 |
| VSC40034 | 400/3/50 | - | 10314301 | 444166 | 444172 | 444177 | - | 444747 | 444698 |
| VSC45014 | 230/1/50 | 10303103 | 10314103 | 444164 | - | - | 444169 | 444744 | 444702 |
| VSC45034# | 400/3/50 | - | 10314302 | 444166 | 444172 | 444177 | - | 444747 | 444700 |
| VSC45036# | 400/3/50 | - | 10314301 | 444166 | 444172 | 444177 | - | 444747 | 444699 |
| VSC50014 | 230/1/50 | 10303106 | 10314105 | 444164 | - | - | 444169 | 444744 | 444702 |
| VSC50034# | 400/3/50 | - | 10314302 | 444166 | 444172 | 444177 | - | 444747 | 444700 |
| VSC50036# | 400/3/50 | - | 10314301 | 444166 | 444172 | 444177 | - | 444747 | 444700 |
| VSC56014 | 230/1/50 | 10303106 | 10314105 | 444164 | - | - | 444170 | 444744 | 444703 |
| VSC56034 | 400/3/50 | - | 10314304 | 444166 | 444173 | 444177 | - | 444747 | 444701 |
| VSC63034# | 400/3/50 | - | 10314304 | 444166 | 444173 | 444177 | - | 444747 | 444703 |
| VSC63036# | 400/3/50 | - | 10314304 | 444166 | 444173 | 444177 | - | 444747 | 444702 |
| VSC71036# | 400/3/50 | - | 10314302 | 444166 | 444172 | 444177 | - | 444747 | 444701 |
| VSC71016 | 230/1/50 | 10303106 | 10314105 | 444164 | - | - | 444170 | 444744 | 444703 |
| VSC71038# | 400/3/50 | - | 10314302 | 444166 | 444172 | 444177 | - | 444747 | 444700 |

* Electronic Voltage controllers may cause motor noise and vibration at lower speeds, transformer or Inverter recommended for noise sensitive applications

# All models are supplied with 2 speed delta/star connection motors, as standard. (Sizes 450 to 630 are 4/6 Pole)

Guards: Some installations may occur where additional safety parts are needed, to ensure safety in operation. For example, the unit may be fitted at the inlet or outlet end of a ducted ventilation system, thereby exposing the impeller/ motor to unguarded access. In this event, the installer must fit a safety guard complying to current regulations. These guards are available as an optional extra.
Where inverters are utilised these must be include Sine filters, as included within our eDemand range of inverters.

| Fan Dia | Mounting Feet Wire (pack of 2) Stock Ref | Inlet Wire Guard Stock Ref | Coupling Flange Stock Ref | Axial Ancillary Pack Stock Ref | Cased Axial Attenuator Stock Ref | Cased Axial Attenuator Pod 1D Stock Ref | Cased Axial Pod 2D Stock Ref |
|---|---|---|---|---|---|---|---|
| 315 | MFZ315 | WGZ315 | CFZ315 | APZ315 | ACZ3151D | ACZ3151DP | ACZ3152DP |
| 355 | MFZ355 | WGZ355 | CFZ355 | APZ355 | ACZ3551D | ACZ3551DP | ACZ3552DP |
| 400 | MFZ400 | WGZ400 | CFZ400 | APZ400 | ACZ4001D | ACZ4001DP | ACZ4002DP |
| 450 | MFZ450 | WGZ450 | CFZ450 | APZ450 | ACZ4501D | ACZ4501DP | ACZ4502DP |
| 500 | MFZ500 | WGZ500 | CFZ500 | APZ500 | ACZ5001D | ACZ5001DP | ACZ5002DP |
| 560 | MFZ560 | WGZ560 | CFZ560 | APZ560 | ACZ5601D | ACZ5601DP | ACZ5602DP |
| 630 | MFZ630 | WGZ630 | CFZ630 | APZ630 | ACZ6301D | ACZ6301DP | ACZ6302DP |
| 710 | MFZ710 | WGZ710 | CFZ710 | APZ710 | ACZ7101D | ACZ7101DP | ACZ7102DP |