# Product data sheet
## Characteristics

# VLVAF6P03520AB
## VarSet capacitor bank Auto 500kvar DR3,8 xxB 400V 50Hz



## Main

| | |
|---|---|
| Network rated voltage | 400 V AC 50 Hz<br>415 V AC 50 Hz |
| Reactive power rating | 500 kvar |
| Operating mode | Automatic |
| Range | PowerLogic |
| Device short name | automatic capacitor bank with detuned reactor |
| Product or component type | Capacitor bank |

## Complementary

| | |
|---|---|
| Network pollution level | Polluted |
| [Gh/Sn] harmonic pollution rate | 25…50 % |
| [THDU] total harmonic distorsion of voltage | 4…7 % |
| Tuning factor | 3.8 |
| Tuning frequency | 190 Hz |
| Power per step | 50 kvar |
| Step composition | 2x50 + 4x100 |
| Location of connection | Bottom |
| Controller type | PowerLogic PFC Controller VPL6 |
| Capacitor technology | PowerLogic PFC Capacitor + Detuned Reactor |
| Poles description | 3P |
| Capacitance tolerance | - 5 % to 10 % |
| [Ui] rated insulation voltage | 800 V |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Maximum permissible voltage | 1.1 x Un (8 hours over 24 hours) conforming to IEC 60831 |
| [Imp] maximum permanent current | Capacitor: 1.8 x In at 480 V conforming to IEC 60831<br>Battery: 1.19 x In at 400 V conforming to IEC 61439-2<br>Battery: 1.19 x In at 415 V conforming to IEC 61439-2 |
| Main incomer protection | Without protection |
| [Icw] rated short-time withstand current | 35 kA at 1 s (Icw) |
| Step protection type | Overload: harmonic control from PowerLogic PFC Controller<br>Short-circuit: fuse |
| Accessibility for operation | Front |
| Colour | Grey (RAL 7035) |
| Maximum weight | 952 kg |
| Height | 2200 mm |
| Width | 800 Mm capacitor:<br>600 mm detuned reactor: |
| Depth | 600 mm |
| Provided equipment | Auxiliary transformer |
| Internal voltage transformer | 400/230 V - 1000 VA |
| Function available | Alarm contact<br>GenSet shedding contact |

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## Environment

| | |
|---|---|
| Standards | IEC 61921<br>IEC 61439-2<br>IEC 61439-1 |
| Product certifications | ASEFA<br>CE<br>EAC |
| Mounting location | Indoor |
| IP degree of protection | Environment: IP31<br>Safety: IPxx B |
| IK degree of protection | IK10 |
| Relative humidity | 0…95 % |
| Operating altitude | <= 2000 m |
| Ambient air temperature for operation | -5…45 °C |
| Average ambient air temperature for operation | 35 °C (annual)<br>45 °C (over 24 hours) |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 80.0 cm |
| Package 1 Width | 156.0 cm |
| Package 1 Length | 230.0 cm |
| Package 1 Weight | 649.0 kg |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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|---|---|
| Warranty | 18 months |