WARRANTY 2 YEARS

# Antares

single-phase
## 15-135kVA


**Standard features**

| | |
|---|---|
| **Selectable output voltage (dip-switch)*** | 220-230-240V |
| **Output voltage accuracy** | ±0,5% |
| **Frequency** | 50Hz ±5% or 60Hz ±5% |
| **Admitted load variation** | Up to 100% |
| **Cooling** | Natural ventilation (aided with fans) |
| **Ambient temperature** | -25/+45°C |
| **Storage temperature** | -25/+60°C |
| **Max relative humidity** | 95% (non condensing) |
| **Admitted overload** | 200% 2 min. |
| **Harmonic distortion** | None introduced |
| **Colour** | RAL 7035 |
| **Protection degree** | IP21 |
| **Instrumentation** | Output digital multimetre |
| **Installation** | Indoor |
| **Overvoltage protection** | Class II output surge arrestor |

* The output voltage can be adjusted by choosing **one** of the indicated values.
Such choice sets the new nominal value as a reference for all the stabiliser parameters.

**Accessories**

| |
|---|
| **Interrupting devices** |
| **Load protection against over/undervoltage** |
| **Manual by-pass line** |
| **Input isolating transformer** |
| **SPD surge arrestor** |
| **EMI/RFI filters** |
| **IP54 protection degree for indoor and outdoor installation** |

**Rating in relation to the input variation percentage**

| ±15% | ±20% | ±25% | ±30% | +15%/-25% | +15%/-35% | +15%/-45% |
|---|---|---|---|---|---|---|
| **35** | 25 | 20 | 15 | 25 | 20 | 15 |
| **45** | 35 | 25 | 20 | 35 | 25 | 20 |
| **60** | 45 | 35 | 25 | 45 | 35 | 25 |
| **80** | 60 | 45 | 35 | 60 | 45 | 35 |
| **100** | 80 | 60 | 45 | 80 | 60 | 45 |
| **135** | 100 | 80 | 60 | 100 | 80 | 60 |

ORTEA

CE

All ORTEA stabilisers are designed and built in compliance with the Low Voltage and Electromagnetic Compatibility European Directives with regard to the CE marking requirements. ORTEA products are built with suitable quality components and that the manufacturing process is constantly verified in accordance with the Quality Control Plans which the Company applies in compliance with the ISO 9001:2015 Standards. The commitment towards environmental issues and safety at work issues is guaranteed by the certification of the Management System according to the ISO14001:2015 and OHSAS18001:2007 Standards. In order to obtain better performance, the products described in the present document can be altered by the Company at any date and without prior notice. Technical data and descriptions do not hold therefore any contractual value.

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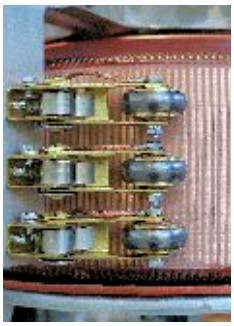
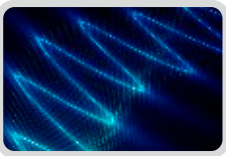
**15-135kVA**



**Antares** stabilisers are available for different ranges of input voltage fluctuation.
Standard models offer a **double input connection** so that with the same unit two different input variations (±1 5%/±20% or ±25%/±30%) can be dealt with.
An **automatic circuit breaker** is provided on the regulation circuit **to protect** against overload and short circuit on the voltage regulator whilst the auxiliary circuit is protected by **fuses**.
The instrumentation consists of a **digital multimetre** installed on the cabinet front panel. The alarms (min/max output voltage, gearmotor lock, internal overheating, regulator overload) are recognizable by means of LEDs on the control card.
The control logic is based on a digital **microprocessor**.
All Antares stabilisers are fitted with the **same control card**, thus simplifying maintenance operations and spare parts storage.



**Wide range**
– symmetrical: **±15%**, **±20%**, **±25%**, **±30%** (other on request)
– asyimmetrical: **+15%/-25%**, **+15%/-35%**, **+15%/-45%** (other on request)
Output voltage accuracy: **±0.5%**.

**Technology**
Control logic based on digital **microprocessor** operating with a software specifically developed for Ortea.

**Long life**
Ortea system voltage regulator with **rollers** (without brushes, which are subject to heavy wear & tear).

**Protection**
The voltage regulator is protected by a **circuit breaker** with magneto thermal release.
The auxiliary circuit is protected by **fuses**.
Overvoltage protection: Class II output **surge arrestor**.


**Instrumentation**
The digital measuring instrumentation is installed on the front panel and consist of an output **digital multimetre**.

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**15-135kVA**

| Type | Input voltage variation range | Rating | Input voltage range | Maximum input current | Output voltage ±0.5% | Output current | Efficiency | Speed regulation | Cabinet | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | [%] | [kVA] | [V] | [A] | [V] | [A] | [%] | [ms/V] | Type | [kg] |
| Input voltage variation range **±20%/±15%** (the values listed in the table are referred to 230V nominal voltage) | | | | | | | | | | |
| **25-20** | ±20 | 25 | 184-276 | 136 | 230 | 109 | >98 | 12 | 23 | 180 |
| **35-15** | ±15 | 35 | 195-265 | 179 | | 152 | | 16 | | |
| **35-20** | ±20 | 35 | 184-276 | 190 | 230 | 152 | >98 | 12 | 31 | 200 |
| **45-15** | ±15 | 45 | 195-265 | 231 | | 196 | | 16 | | |
| **45-20** | ±20 | 45 | 184-276 | 245 | 230 | 196 | >98 | 12 | 40 | 320 |
| **60-15** | ±15 | 60 | 195-265 | 308 | | 261 | | 16 | | |
| **60-20** | ±20 | 60 | 184-276 | 326 | 230 | 261 | >98 | 12 | 40 | 390 |
| **80-15** | ±15 | 80 | 195-265 | 410 | | 348 | | 16 | | |
| **80-20** | ±20 | 80 | 184-276 | 435 | 230 | 348 | >98 | 12 | 51 | 550 |
| **100-15** | ±15 | 100 | 195-265 | 513 | | 435 | | 16 | | |
| **100-20** | ±20 | 100 | 184-276 | 543 | 230 | 435 | >98 | 12 | 51 | 650 |
| **135-15** | ±15 | 135 | 195-265 | 692 | | 587 | | 16 | | |
| Input voltage variation range **±30%/±25%** (the values listed in the table are referred to 230V nominal voltage) | | | | | | | | | | |
| **15-30** | ±30 | 15 | 161-300 | 93 | 230 | 65 | >98 | 8 | 23 | 180 |
| **20-25** | ±25 | 20 | 172-288 | 116 | | 87 | | 10 | | |
| **20-30** | ±30 | 20 | 161-300 | 124 | 230 | 87 | >98 | 8 | 31 | 200 |
| **25-25** | ±25 | 25 | 172-288 | 145 | | 109 | | 10 | | |
| **25-30** | ±30 | 25 | 161-300 | 155 | 230 | 109 | >98 | 8 | 40 | 320 |
| **35-25** | ±25 | 35 | 172-288 | 203 | | 152 | | 10 | | |
| **35-30** | ±30 | 35 | 161-300 | 217 | 230 | 152 | >98 | 8 | 40 | 390 |
| **45-25** | ±25 | 45 | 172-288 | 262 | | 196 | | 10 | | |
| **45-30** | ±30 | 45 | 161-300 | 280 | 230 | 196 | >98 | 8 | 51 | 550 |
| **60-25** | ±25 | 60 | 172-288 | 349 | | 261 | | 10 | | |
| **60-30** | ±30 | 60 | 161-300 | 373 | 230 | 261 | >98 | 8 | 51 | 650 |
| **80-25** | ±25 | 80 | 172-288 | 465 | | 348 | | 10 | | |

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| Type | Input voltage variation range | Rating | Input voltage range | Maximum input current | Output voltage ±0.5% | Output current | Efficiency | Speed regulation | Cabinet | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | [%] | [kVA] | [V] | [A] | [V] | [A] | [%] | [ms/V] | Type | [kg] |
| Input voltage variation range **+15%/-25%** (the values listed in the table are referred to 230V nominal voltage) | | | | | | | | | | |
| **25-15/25** | +15/-25 | 25 | 172-265 | 145 | 230 | 109 | >98 | 14 | 23 | 190 |
| **35-15/25** | +15/-25 | 35 | 172-265 | 203 | 230 | 152 | >98 | 14 | 31 | 210 |
| **45-15/25** | +15/-25 | 45 | 172-265 | 262 | 230 | 196 | >98 | 14 | 40 | 330 |
| **60-15/25** | +15/-25 | 60 | 172-265 | 349 | 230 | 261 | >98 | 14 | 40 | 400 |
| **80-15/25** | +15/-25 | 80 | 172-265 | 465 | 230 | 348 | >98 | 14 | 51 | 560 |
| **100-15/25** | +15/-25 | 100 | 172-265 | 581 | 230 | 435 | >98 | 14 | 51 | 660 |
| Input voltage variation range **+15%/-35%** (the values listed in the table are referred to 230V nominal voltage) | | | | | | | | | | |
| **20-15/35** | +15/-35 | 20 | 150-265 | 133 | 230 | 87 | >98 | 11 | 23 | 200 |
| **25-15/35** | +15/-35 | 25 | 150-265 | 167 | 230 | 109 | >98 | 11 | 31 | 220 |
| **35-15/35** | +15/-35 | 35 | 150-265 | 233 | 230 | 152 | >98 | 11 | 40 | 340 |
| **45-15/35** | +15/-35 | 45 | 150-265 | 300 | 230 | 196 | >98 | 11 | 40 | 410 |
| **60-15/35** | +15/-35 | 60 | 150-265 | 400 | 230 | 261 | >98 | 11 | 51 | 570 |
| **80-15/35** | +15/-35 | 80 | 150-265 | 533 | 230 | 348 | >98 | 11 | 51 | 670 |
| Input voltage variation range **+15%/-45%** (the values listed in the table are referred to 230V nominal voltage) | | | | | | | | | | |
| **15-15/45** | +15/-45 | 15 | 126-265 | 119 | 230 | 65 | >98 | 9 | 23 | 210 |
| **20-15/45** | +15/-45 | 20 | 126-265 | 159 | 230 | 87 | >98 | 9 | 31 | 230 |
| **25-15/45** | +15/-45 | 25 | 126-265 | 198 | 230 | 109 | >98 | 9 | 40 | 350 |
| **35-15/45** | +15/-45 | 35 | 126-265 | 278 | 230 | 152 | >98 | 9 | 40 | 420 |
| **45-15/45** | +15/-45 | 45 | 126-265 | 357 | 230 | 196 | >98 | 9 | 51 | 580 |
| **60-15/45** | +15/-45 | 60 | 126-265 | 476 | 230 | 261 | >98 | 9 | 51 | 680 |