



the spirit of improving

One Platform Intelliflex a.c. drives

Frequency Converters
7,5 to 600kW | Film Capacitors

Catalog



About Us

Since 1987 Sael has been developing integrated systems and process control solutions for industrial automation. A solid Italian company. A leader in paper mill automation, with important business in steel, plastic, rubber, CNC and metallic wire machines.

Two sites and over 50 employees in Italy, with hardware and software technical teams focused on projects and development.

12% of the budget is re-invested in R&D projects and new technology research.

Own AC and DC drives implementing the main field bus communication protocols.

Supervision control systems with own technology and system integration using the most popular Drives.

Our Mission

Based on Lean and Learning organization process, the customer is the main priority. The V.O.C. (Voice Of Customer) is our Spirit of Improving.

Our Vision

Developing better system automation and drives, means working to improve the quality of our customer's products. This is our job; this is our passion.

Good automation facilitates the works.

Everyone has the right to perform better, in safety, with high efficiency and offering competitive prices. This is our commitment.

Frequency Converters V-Series Drive

ONE PLATFORM

To meet any process control expectation, we built our VT, VG and VW frequency. A wide range of inverters, ac/ac and dc/ac, tough and rough, reliable and easy to drive. Our best technology ever.



the spirit of improving

Automation & Control Process

Sael drives have been developed to cater for all the latest needs and requirements of the present industrial production plants. The continuous improvement, and the years of field experience, guarantee a reliable and flexible product for any application.



- Paper and film machines with sensorless control capability (if required, or in case of encoder fault avoid stopping in the continuous production).
- Conveyors (motor synchronization via MasterCan communication).
- Sheeter machines (built-in flying shear functionality with minimization of jerk and acceleration). According to the cutting length and the line speed, at each cut the trajectory profile which uses the minimum acceleration and jerk is calculated for the next cut.



The built-in functions together with the MasterCan board and the 2 CAN communication ports allow easy configuration of coordinated motion control of a number of motors, e.g. for continuous paper mills.

Automation & Control Process

- TBM (Tunnel Boring Machines) built in integrated control option for the automatic setting of the machine load torque sharing between the AC drives. (Motor synchronization via MasterCan communication). Capability to operate in sensorless control mode (also with long cables connection) with easy commissioning of the AC drives at standstill also with mechanical backlash.



All the Control-logic algorithms have been implemented in the drive: eg. load sharing, speed synchronization, cascading, web tension control (with or without dancing role or load cell) and many more. The drive also includes routines for other paper processing functionalities like the winder/unwinder machines with web tension control, rolling, pressing and cutting machines. All the functions for special applications are developed and tested with HIL (Hardware In the Loop) systems.



Image by courtesy of EXERGY SpA

- Sustainable power generation.
- Smart Grid technology and applications.

One Drive Fits All

The long experience in the heavy-duty industry, has led to the last series of AC drives, which are characterized by a compact design, robust – all die-cast – and fast to install.

Due to the market requirements and the latest energy efficiency demands, the V drives support all the existing motor types, including **Induction Motors (IM)**, **Permanent Magnet Synchronous Motors (PMSM)** and **Synchronous Reluctance Motors (SynRM)**.

The intuitive control panel and the removable eeprom unit leads to easy maintenance in case of replacement of the AC drive.



The Smart One

YOUR BACK-UP IN THE HAND

It is worth noting that the removable memory unit contains all the drive data and configuration. It makes replacement of the drive easy, in case of fault or maintenance. Extract the Flash memory from the broken drive, plug it into the new drive, and restart: no programming, no parameter setting, no skilled operator is required.

The drive commissioning and configuration is handled by the Web configuration interface, which is built-in the new series of Sael drives. In accordance with the international standards, SAEL drives are equipped with safety functions and safe torque-off (STO) certified.



Main features

- Supports various motor types including Induction Motors (IM), Permanent Magnet Synchronous Motors (PMSM-SPM and PMSM-IPM) as well as Synchronous Reluctance Motors (SynRM)
- Removable EEPROM memory unit for easy start-up and board replacement
- Web interface for commissioning and settings
- **Integrated safety including safe torque off (STO)**
- Intuitive remote control panel (keypad)
- Support for a wide range of fieldbuses, input/output options and position/speed feedback
- EMC filter option
- $\frac{du}{dt}$ filter option for motor protection

Drivers and Components

REEBORN

The REEBORN program allows to renew drives and systems by using a specific digital regulation rack integrated with a new last generation automation architecture.

You can save more than 50% of the costs compared to a new equipment.





How to select a Drive

Most of the Intelliflex Drive are built-in as standard. This simplifies the selection. To choose the right drive for your application, please refer to the following rating tables. The selected drive has a unique type designation, which identifies the drive by construction, power and voltage range. The options are added to the type designation with a "plus" code.

MODEL IDENTIFICATION

| | | | | | |
|-----------------------|-------------------------|--------------------------|----------------|---------------------------------|----------------|
| VT | 1 | AC | 4 | 100 | / |
| | | | | | Options |
| | | | | | / = Standard |
| | | | | | C = Compact |
| | | | | | N = Navy |
| | | | | Rated Current (Value) | |
| | | | Voltage | | |
| | | | 4 = 400V | | |
| | | | 5 = 500V | | |
| | | | 6 = 690V | | |
| | | Input | | | |
| | | AC = AC/AC Voltage input | | | |
| | | DC = AC/DC Voltage input | | | |
| | Size | | | | |
| | Frame 1 up to 5 | | | | |
| | X = Custom version only | | | | |
| Product series | | | | | |
| VT – VG – VW | | | | | |

nameplate:
E.g. VT1AC40100x



Technical Data & Option Boards

TECHNICAL DATA

| | |
|---|---|
| Input voltage/ frequency | DC input: 250 to 1000 V_{DC} AC input (under request): 3-phase 360 to 480 V_{AC} ($\pm 10\%$) and mains frequency from 45 to 65 Hz ($\pm 10\%$) |
| Environmental limits and protections | Temperature: -15 to +55 °C (derating above 45 °C of 1% every 1°C) Vibrations: ≤ 5.9 m/s ² Altitude: no derating up to 1000m, while a derating of 1% every 100m is mandatory. Maximum altitude is 4000m Humidity: no condensation allowed - IP20 protection degree |
| Parallels | An optical drive-to-drive communication allows the paralleling of more than one power units |
| Control algorithms | Sensorless control of IM, PMSM (both isotropic and anisotropic motor types) and SynRM with high overloading capability - Field Oriented Control (FOC) for IM, PMSM and SynRM motors with optimized flux weakening control - Flying restart functionality Open loop scalar V/F control with current monitoring (2-300% of the nominal speed) for IMs BLDC control option |
| Energy efficiency options | 4-quadrant regenerative AFE (Active Front End) with low current distortion factor (THD) Maximum Torque Per Ampere (MTPA) option for PMSM and IMs Smart rectifier as regenerative braking energy (RBU) |
| Cooling method | Air/water cooled (depends on the frame/power size) – link to frame/rating table |
| Output voltage/ frequency | Output frequency from 0 to 300 Hz with settable output phase order 1 to 8 KHz Pulse Width Modulation (PWM) output voltages of 400/500/690 V ($f_{(x)}$ power module nominal rating) |
| Commissioning routines | Self-commissioning of the electric machine parameters at standstill Fine tuning and adaptive online identification algorithms - Speed and current loop auto tuning algorithms |
| Speed/position feedback | HTL, TTL PushPull and LineDriver pulse encoder with settable direction Sin/Cos encoder interface (optional board) |
| Steady state speed accuracy | Closed loop: $\pm 0.01\%$ of the nominal speed (FOC) for asynchronous and synchronous motors Closed loop sensorless mode: $\pm 15\%$ of the motor slip (IMs) |
| Connections and I/O interfaces | Isolated voltage supply (+24 V) 4 Analogue input and 2 Analogue Output 8 Digital and 6 Digital Output |
| Diagnostic and protections | Phase fault detection (alarms on each IGBT module) - Temperature monitoring Fault words with historic recording of the alarms Hardware and software protections against overload, over current, over voltage, short-circuit, over temperature etc. |
| Configurability and special functions | Web tension control of winder and unwinder machines for paper or steel (core+material inertia and roll diameter estimation, friction compensation etc.) Configurable position loop Drive-to-drive automatic synchronization (e.g. master and slave configurations, daisy-chaining to control machine axes etc.) Cam profiles generator and flying cut (typically used on slitter machines) Auxiliary fully settable PID controller Active power and torque estimation Normalization and math blocks (modulus, saturation blocks, comparators etc.) Non-linear gain blocks (e.g. interpolated loop gains) Configurable digital filters (HPF, LPF, notch) |
| Communication | Two RS232 interfaces to communicate with the PC-Tool or with the keypad One RS485 interface (as an alternative drive-to-drive link connection) Two CANbus lines (CAN A and CAN B). One expansion interface is available for communication with any fieldbus or industrial networks (e.g. ProfiNet, ProfiBus, EtherCat etc.) |
| Safety functionality | EN IEC 61800-5-2 Safe Torque off (STO) SIL3 |

OPTIONAL BOARDS

| | |
|-------------------------|---|
| Communication | MasterCan module for coordinating up to 32 drives (it can be synchronized with other MasterCan modules) +CPDP: Profibus DP slave +CETH: Ethernet +CETI: Ethernet/IP +CETC: EtherCat |
| Speed/position feedback | +FESC: Second TTL – HTL – PushPull – LineDriver encoder +F2EN: Sin/Cos encoder interface |
| AFE/RBU | Synchronization board for AFE and RBU module |
| Paralleling | Optical fiber board for paralleling more than one power unit |

Ratings, Types And Voltages VT Stand Alone Vectorial Inverters

FAN COOLING

| NOMINAL VALUES | | | | | FEEDING | | INTERNAL CAPACITANCE | POWER LOSSES | MODEL |
|----------------|-----------|-----|-----------------|----------------|---------|---------------------|----------------------|--------------|------------|
| Vn ac | Vn dc | In | l _{pk} | P _n | Idc@In | Idc@l _{pk} | C | Wd | |
| [V] | [V] | [A] | [A] | [KW] | [A] | [A] | uF | [W] | |
| 400 | 400..750 | 15 | 21 | 7,5 | 17 | 24 | 600 | 110 | VT2AC40015 |
| 500 | 500..850 | 15 | 21 | 9,9 | 17 | 24 | 500 | 150 | VT2AC50015 |
| 690 | 600..1030 | 15 | 21 | 13,6 | 17 | 24 | 500 | 150 | VT2AC60015 |
| 400 | 400..750 | 25 | 35 | 12 | 29 | 41 | 600 | 175 | VT2AC40025 |
| 500 | 500..850 | 25 | 35 | 16 | 29 | 41 | 500 | 200 | VT2AC50025 |
| 690 | 600..1030 | 25 | 35 | 23 | 29 | 41 | 500 | 200 | VT2AC60025 |
| 400 | 400..750 | 38 | 53 | 16 | 43 | 61 | 600 | 250 | VT2AC40037 |
| 500 | 500..850 | 38 | 53 | 25 | 43 | 61 | 500 | 300 | VT2AC50037 |
| 690 | 600..1030 | 38 | 53 | 34 | 43 | 61 | 500 | 300 | VT2AC60037 |
| 400 | 400..750 | 50 | 70 | 22 | 58 | 81 | 900 | 330 | VT2AC40050 |
| 500 | 500..850 | 50 | 70 | 33 | 58 | 81 | 700 | 400 | VT2AC50050 |
| 690 | 600..1030 | 50 | 70 | 45 | 58 | 81 | 700 | 400 | VT2AC60050 |
| 400 | 400..750 | 75 | 105 | 37 | 86 | 122 | 900 | 500 | VT2AC40075 |
| 500 | 500..850 | 75 | 105 | 49 | 86 | 122 | 700 | 600 | VT2AC50075 |
| 690 | 600..1030 | 75 | 105 | 68 | 86 | 122 | 700 | 600 | VT2AC60075 |
| 400 | 400..750 | 100 | 125 | 55 | 115 | 162 | 900 | 650 | VT2AC40100 |
| 400 | 400..750 | 100 | 140 | 55 | 115 | 162 | 1500 | 700 | VT3AC40100 |
| 500 | 500..850 | 100 | 140 | 66 | 115 | 162 | 1000 | 800 | VT3AC50100 |
| 690 | 600..1030 | 100 | 140 | 91 | 115 | 162 | 1000 | 800 | VT3AC60100 |
| 400 | 400..750 | 150 | 210 | 75,0 | 173 | 243 | 2250 | 950 | VT3AC40150 |
| 500 | 500..850 | 150 | 210 | 99 | 173 | 243 | 1500 | 1200 | VT3AC50150 |
| 690 | 600..1030 | 150 | 210 | 136 | 173 | 243 | 1500 | 1200 | VT3AC60150 |
| 400 | 400..750 | 200 | 280 | 110,0 | 230 | 324 | 3000 | 1400 | VT3AC40200 |
| 500 | 500..850 | 200 | 280 | 132 | 230 | 324 | 2000 | 1700 | VT3AC50200 |
| 690 | 600..1030 | 200 | 280 | 182 | 230 | 324 | 2000 | 1700 | VT3AC60200 |
| 400 | 400..750 | 250 | 310 | 132,0 | 288 | 405 | 3000 | 2000 | VT3AC40250 |
| 500 | 500..850 | 250 | 310 | 165 | 288 | 405 | 2000 | 0 | VT3AC50250 |
| 690 | 600..1030 | 250 | 310 | 227 | 288 | 405 | 2000 | 0 | VT3AC60250 |



Ratings, Types And Voltages VT Stand Alone Vectorial Inverters

FAN COOLING

| MODEL | DIMENSIONS | | | | COOLING | | | FRAME |
|------------|------------|------|------|--------|----------|---------|------|-------|
| | W | H | D | WEIGHT | Air Flow | SUPPLY | | |
| | [mm] | [mm] | [mm] | [Kg] | | [V]/[W] | [A] | |
| VT2AC40015 | 180 | 660 | 330 | 19 | 240 | 24V/8W | 0,33 | 2 |
| VT2AC50015 | 180 | 660 | 330 | 22 | 240 | 24V/8W | 0,33 | 2P |
| VT2AC60015 | 180 | 660 | 330 | 22 | 240 | 24V/8W | 0,33 | 2P |
| VT2AC40025 | 180 | 660 | 330 | 19 | 240 | 24V/8W | 0,33 | 2 |
| VT2AC50025 | 180 | 660 | 330 | 22 | 240 | 24V/8W | 0,33 | 2P |
| VT2AC60025 | 180 | 660 | 330 | 22 | 240 | 24V/8W | 0,33 | 2P |
| VT2AC40037 | 180 | 660 | 330 | 19 | 310 | 24V/20W | 0,83 | 2 |
| VT2AC50037 | 180 | 660 | 330 | 22 | 310 | 24V/20W | 0,83 | 2P |
| VT2AC60037 | 180 | 660 | 330 | 22 | 310 | 24V/20W | 0,83 | 2P |
| VT2AC40050 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC50050 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC60050 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC40075 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC50075 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC60075 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT2AC40100 | 180 | 660 | 330 | 22 | 490 | 24V/40W | 1,67 | 2P |
| VT3AC40100 | 250 | 710 | 420 | 28 | 310 | 24V/20W | 0,83 | 3 |
| VT3AC50100 | 250 | 710 | 420 | 28 | 310 | 24V/20W | 0,83 | 3 |
| VT3AC60100 | 250 | 710 | 420 | 28 | 310 | 24V/20W | 0,83 | 3 |
| VT3AC40150 | 250 | 710 | 420 | 30 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC50150 | 250 | 710 | 420 | 30 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC60150 | 250 | 710 | 420 | 30 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC40200 | 250 | 710 | 420 | 33 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC50200 | 250 | 710 | 420 | 33 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC60200 | 250 | 710 | 420 | 33 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC40250 | 250 | 710 | 420 | 39 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC50250 | 250 | 710 | 420 | 39 | 490 | 24V/40W | 1,67 | 3 |
| VT3AC60250 | 250 | 710 | 420 | 39 | 490 | 24V/40W | 1,67 | 3 |

Ratings, Types And Voltages

VG Stand Alone Vectorial Inverters

FAN COOLING

| NOMINAL VALUES | | | | | FEEDING | | POWER LOSSES | MODEL |
|----------------|-----------|-----|-----------------|----------------|---------|---------------------|----------------|-------------|
| Vn ac | Vn dc | In | l _{pk} | P _n | Idc@In | Idc@l _{pk} | W _d | |
| [V] | [V] | [A] | [A] | [KW] | [A] | [A] | [W] | |
| 400 | 400..750 | 150 | 210 | 75,0 | 173 | 242 | 1000 | VG3AC40150 |
| 400 | 400..750 | 200 | 280 | 110,0 | 230 | 322 | 1400 | VG3AC40200 |
| 400 | 400..750 | 300 | 425 | 160,0 | 345 | 489 | 2200 | VG4AC40300 |
| 500 | 500..850 | 300 | 425 | 200,0 | 345 | 489 | 3000 | VG4AC50300 |
| 690 | 600..1030 | 300 | 425 | 275,0 | 345 | 489 | 3800 | VG4AC60300 |
| 400 | 400..750 | 450 | 500 | 250,0 | 518 | 575 | 3500 | VG5AC40450 |
| 500 | 500..850 | 450 | 500 | 310,0 | 518 | 575 | 4500 | VG5AC50450 |
| 690 | 600..1030 | 450 | 500 | 430,0 | 518 | 575 | 5500 | VG5AC60450 |
| 400 | 400..750 | 600 | 700 | 355,0 | 690 | 805 | 4200 | VG5AC40600 |
| 500 | 500..850 | 600 | 700 | 440,0 | 690 | 805 | 6000 | VG5AC50600 |
| 690 | 600..1030 | 600 | 700 | 600,0 | 690 | 805 | 8000 | VG5AC60600 |
| 400 | 400..750 | 300 | 425 | 160,0 | 345 | 489 | 2200 | VG4AC40300C |
| 500 | 500..850 | 300 | 425 | 200,0 | 345 | 489 | 3000 | VG4AC50300C |
| 690 | 600..1030 | 300 | 425 | 275,0 | 345 | 489 | 3800 | VG4AC60300C |
| 400 | 400..750 | 450 | 500 | 250,0 | 518 | 575 | 3500 | VG5AC40450C |
| 500 | 500..850 | 450 | 500 | 310,0 | 518 | 575 | 4500 | VG5AC50450C |
| 690 | 600..1030 | 450 | 500 | 430,0 | 518 | 575 | 5500 | VG5AC60450C |
| 400 | 400..750 | 600 | 700 | 355,0 | 690 | 805 | 4200 | VG5AC40600C |
| 500 | 500..850 | 600 | 700 | 440,0 | 690 | 805 | 6000 | VG5AC50600C |
| 690 | 600..1030 | 600 | 700 | 600,0 | 690 | 805 | 8000 | VG5AC60600C |

Ratings, Types And Voltages VG Stand Alone Vectorial Inverters

FAN COOLING

| MODEL | DIMENSIONS | | | | SUPPLY | | FRAME |
|-------------|------------|------|------|--------|---------------------------|-----|-------|
| | W | H | D | WEIGHT | [V]/[W] | [A] | |
| | [mm] | [mm] | [mm] | [Kg] | | | |
| VG3AC40150 | 240 | 950 | 300 | 38 | 24V / 100W | 4,2 | 3 |
| VG3AC40200 | 240 | 950 | 300 | 38 | 24V / 100W | 4,2 | 3 |
| VG4AC40300 | 350 | 950 | 350 | 55 | 400V / 500VA 24V / 6W | | 4 |
| VG4AC50300 | 350 | 950 | 350 | 55 | 400V / 500VA 24V / 6W | | 4 |
| VG4AC60300 | 350 | 950 | 350 | 55 | 400V / 500VA 24V / 6W | | 4 |
| VG5AC40450 | 550 | 1150 | 320 | 102 | 400V / 500VA 24V / 6W | | 5 |
| VG5AC50450 | 550 | 1150 | 320 | 102 | 400V / 500VA 24V / 6W | | 5 |
| VG5AC60450 | 550 | 1150 | 320 | 102 | 400V / 500VA 24V / 6W | | 5 |
| VG5AC40600 | 550 | 1150 | 320 | 102 | 400V / 1500VA 24V / 9W | | 5 |
| VG5AC50600 | 550 | 1150 | 320 | 102 | 400V / 1500VA 24V / 9W | | 5 |
| VG5AC60600 | 550 | 1150 | 320 | 102 | 400V / 1500VA 24V / 9W | | 5 |
| VG4AC40300C | 290 | 1100 | 470 | 57 | 400V / 500VA 24V / 6W | | 4 C |
| VG4AC50300C | 290 | 1100 | 470 | 57 | 400V / 500VA 24V / 6W | | 4 C |
| VG4AC60300C | 290 | 1100 | 470 | 57 | 400V / 500VA 24V / 6W | | 4 C |
| VG5AC40450C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5AC50450C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5AC60450C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5AC40600C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5AC50600C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5AC60600C | 290 | 1200 | 565 | 102 | 400V / 1500VA 24V / 9W | | 5 C |

OPTIONAL BOARDS

| | |
|-------------------------|---|
| Communication | MasterCan module for coordinating up to 32 drives (it can be synchronized with other MasterCan modules) +CPDP: Profibus DP slave +CETH: Ethernet +CETI: Ethernet/IP +CETC: EtherCat |
| Speed/position feedback | +FESC: Second TTL – HTL – PushPull – LineDriver encoder +F2EN: Sin/Cos encoder interface |
| AFE/RBU | Synchronization board for AFE and RBU module |
| Paralleling | Optical fiber board for paralleling more than one power unit |

Ratings, Types And Voltages

VT Vectorial Inverters

FAN COOLING

| NOMINAL VALUES | | | | | FEEDING | | INTERNAL CAPACITANCE | POWER LOSSES | MODEL |
|----------------|-----------|-----|-----------------|----------------|---------|---------------------|----------------------|--------------|------------|
| Vn ac | Vn dc | In | l _{pk} | P _n | Idc@In | Idc@l _{pk} | C | Wd | |
| [V] | [V] | [A] | [A] | [KW] | [A] | [A] | uF | [W] | |
| 400 | 400..750 | 15 | 21 | 7,5 | 17 | 24 | 600 | 110 | VT2DC40015 |
| 500 | 500..850 | 15 | 21 | 9,9 | 17 | 24 | 500 | 150 | VT2DC50015 |
| 690 | 600..1030 | 15 | 21 | 13,6 | 17 | 24 | 500 | 150 | VT2DC60015 |
| 400 | 400..750 | 25 | 35 | 12 | 29 | 41 | 600 | 175 | VT2DC40025 |
| 500 | 500..850 | 25 | 35 | 16 | 29 | 41 | 500 | 200 | VT2DC50025 |
| 690 | 600..1030 | 25 | 35 | 23 | 29 | 41 | 500 | 200 | VT2DC60025 |
| 400 | 400..750 | 38 | 53 | 16 | 43 | 61 | 600 | 250 | VT2DC40037 |
| 500 | 500..850 | 38 | 53 | 25 | 43 | 61 | 500 | 300 | VT2DC50037 |
| 690 | 600..1030 | 38 | 53 | 34 | 43 | 61 | 500 | 300 | VT2DC60037 |
| 400 | 400..750 | 50 | 70 | 22 | 58 | 81 | 900 | 330 | VT2DC40050 |
| 500 | 500..850 | 50 | 70 | 33 | 58 | 81 | 700 | 400 | VT2DC50050 |
| 690 | 600..1030 | 50 | 70 | 45 | 58 | 81 | 700 | 400 | VT2DC60050 |
| 400 | 400..750 | 75 | 105 | 37 | 86 | 122 | 900 | 500 | VT2DC40075 |
| 500 | 500..850 | 75 | 105 | 49 | 86 | 122 | 700 | 600 | VT2DC50075 |
| 690 | 600..1030 | 75 | 105 | 68 | 86 | 122 | 700 | 600 | VT2DC60075 |
| 400 | 400..750 | 100 | 125 | 55 | 115 | 162 | 900 | 650 | VT2DC40100 |
| 400 | 400..750 | 100 | 140 | 55 | 115 | 162 | 1500 | 700 | VT3DC40100 |
| 500 | 500..850 | 100 | 140 | 66 | 115 | 162 | 1000 | 800 | VT3DC50100 |
| 690 | 600..1030 | 100 | 140 | 91 | 115 | 162 | 1000 | 800 | VT3DC60100 |
| 400 | 400..750 | 150 | 210 | 75,0 | 173 | 243 | 2250 | 950 | VT3DC40150 |
| 500 | 500..850 | 150 | 210 | 99 | 173 | 243 | 1500 | 1200 | VT3DC50150 |
| 690 | 600..1030 | 150 | 210 | 136 | 173 | 243 | 1500 | 1200 | VT3DC60150 |
| 400 | 400..750 | 200 | 280 | 110,0 | 230 | 324 | 3000 | 1400 | VT3DC40200 |
| 500 | 500..850 | 200 | 280 | 132 | 230 | 324 | 2000 | 1700 | VT3DC50200 |
| 690 | 600..1030 | 200 | 280 | 182 | 230 | 324 | 2000 | 1700 | VT3DC60200 |
| 400 | 400..750 | 250 | 310 | 132,0 | 288 | 405 | 3000 | 2000 | VT3DC40250 |
| 500 | 500..850 | 250 | 310 | 165 | 288 | 405 | 2000 | 0 | VT3DC50250 |
| 690 | 600..1030 | 250 | 310 | 227 | 288 | 405 | 2000 | 0 | VT3DC60250 |



Ratings, Types And Voltages VT Vectorial Inverters

FAN COOLING

| MODEL | DIMENSIONS | | | | COOLING | | | FRAME |
|------------|------------|------|------|--------|----------|-------------------|---------|-------|
| | W | H | D | WEIGHT | Air Flow | SUPPLY | | |
| | [mm] | [mm] | [mm] | [Kg] | | m ³ /h | [V]/[W] | |
| VT2DC40015 | 180 | 510 | 330 | 17 | 240 | 24V/8W | 0,33 | 2 |
| VT2DC50015 | 180 | 510 | 330 | 20 | 240 | 24V/8W | 0,33 | 2P |
| VT2DC60015 | 180 | 510 | 330 | 20 | 240 | 24V/8W | 0,33 | 2P |
| VT2DC40025 | 180 | 510 | 330 | 17 | 240 | 24V/8W | 0,33 | 2 |
| VT2DC50025 | 180 | 510 | 330 | 20 | 240 | 24V/8W | 0,33 | 2P |
| VT2DC60025 | 180 | 510 | 330 | 20 | 240 | 24V/8W | 0,33 | 2P |
| VT2DC40037 | 180 | 510 | 330 | 17 | 310 | 24V/20W | 0,83 | 2 |
| VT2DC50037 | 180 | 510 | 330 | 20 | 310 | 24V/20W | 0,83 | 2P |
| VT2DC60037 | 180 | 510 | 330 | 20 | 310 | 24V/20W | 0,83 | 2P |
| VT2DC40050 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC50050 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC60050 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC40075 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC50075 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC60075 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT2DC40100 | 180 | 510 | 330 | 20 | 490 | 24V/40W | 1,67 | 2P |
| VT3DC40100 | 250 | 560 | 420 | 26 | 310 | 24V/20W | 0,83 | 3 |
| VT3DC50100 | 250 | 560 | 420 | 26 | 310 | 24V/20W | 0,83 | 3 |
| VT3DC60100 | 250 | 560 | 420 | 26 | 310 | 24V/20W | 0,83 | 3 |
| VT3DC40150 | 250 | 560 | 420 | 28 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC50150 | 250 | 560 | 420 | 28 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC60150 | 250 | 560 | 420 | 28 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC40200 | 250 | 560 | 420 | 31 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC50200 | 250 | 560 | 420 | 31 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC60200 | 250 | 560 | 420 | 31 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC40250 | 250 | 560 | 420 | 37 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC50250 | 250 | 560 | 420 | 37 | 490 | 24V/40W | 1,67 | 3 |
| VT3DC60250 | 250 | 560 | 420 | 37 | 490 | 24V/40W | 1,67 | 3 |

Ratings, Types And Voltages

VG Vectorial Inverters

FAN COOLING

| NOMINAL VALUES | | | | | FEEDING | | POWER LOSSES | MODEL |
|----------------|-----------|-----|-----|-------|---------|---------|--------------|-------------|
| Vn ac | Vn dc | In | Ipk | Pn | Idc@In | Idc@Ipk | Wd | |
| [V] | [V] | [A] | [A] | [KW] | [A] | [A] | [W] | |
| 400 | 400..750 | 50 | 70 | 25,0 | 58 | 81 | 350 | VG2DC40050 |
| 400 | 400..750 | 75 | 105 | 37,0 | 86 | 121 | 500 | VG2DC40075 |
| 400 | 400..750 | 100 | 140 | 55,0 | 115 | 161 | 650 | VG2DC40100 |
| 400 | 400..750 | 150 | 210 | 75,0 | 173 | 242 | 1000 | VG3DC40150 |
| 400 | 400..750 | 200 | 280 | 110,0 | 230 | 322 | 1400 | VG3DC40200 |
| 400 | 400..750 | 300 | 425 | 160,0 | 345 | 489 | 2200 | VG4DC40300 |
| 500 | 500..850 | 300 | 425 | 200,0 | 345 | 489 | 3000 | VG4DC50300 |
| 690 | 600..1030 | 300 | 425 | 275,0 | 345 | 489 | 3800 | VG4DC60300 |
| 400 | 400..750 | 450 | 500 | 250,0 | 518 | 575 | 3500 | VG5DC40450 |
| 500 | 500..850 | 450 | 500 | 310,0 | 518 | 575 | 4500 | VG5DC50450 |
| 690 | 600..1030 | 450 | 500 | 430,0 | 518 | 575 | 5500 | VG5DC60450 |
| 400 | 400..750 | 600 | 700 | 355,0 | 690 | 805 | 4200 | VG5DC40600 |
| 500 | 500..850 | 600 | 700 | 440,0 | 690 | 805 | 6000 | VG5DC50600 |
| 690 | 600..1030 | 600 | 700 | 600,0 | 690 | 805 | 8000 | VG5DC60600 |
| 400 | 400..750 | 300 | 425 | 160,0 | 345 | 489 | 2200 | VG4DC40300C |
| 500 | 500..850 | 300 | 425 | 200,0 | 345 | 489 | 3000 | VG4DC50300C |
| 690 | 600..1030 | 300 | 425 | 275,0 | 345 | 489 | 3800 | VG4DC60300C |
| 400 | 400..750 | 450 | 500 | 250,0 | 518 | 575 | 3500 | VG5DC40450C |
| 500 | 500..850 | 450 | 500 | 310,0 | 518 | 575 | 4500 | VG5DC50450C |
| 690 | 600..1030 | 450 | 500 | 430,0 | 518 | 575 | 5500 | VG5DC60450C |
| 400 | 400..750 | 600 | 700 | 355,0 | 690 | 805 | 4200 | VG5DC40600C |
| 500 | 500..850 | 600 | 700 | 440,0 | 690 | 805 | 6000 | VG5DC50600C |
| 690 | 600..1030 | 600 | 700 | 600,0 | 690 | 805 | 8000 | VG5DC60600C |

Ratings, Types And Voltages VG Vectorial Inverters

FAN COOLING

| MODEL | DIMENSIONS | | | | SUPPLY | | FRAME |
|-------------|------------|------|------|--------|---------------------------|-----|-------|
| | W | H | D | WEIGHT | [V]/[W] | [A] | |
| | [mm] | [mm] | [mm] | [Kg] | | | |
| VG2DC40050 | 240 | 550 | 290 | 20 | 24V / 20W | 1,7 | 2 |
| VG2DC40075 | 240 | 550 | 290 | 20 | 24V / 20W | 1,7 | 2 |
| VG2DC40100 | 240 | 550 | 290 | 20 | 24V / 20W | 1,7 | 2 |
| VG3DC40150 | 240 | 800 | 300 | 36 | 24V / 100W | 4,2 | 3 |
| VG3DC40200 | 240 | 800 | 300 | 36 | 24V / 100W | 4,2 | 3 |
| VG4DC40300 | 350 | 800 | 350 | 53 | 400V / 500VA 24V / 6W | | 4 |
| VG4DC50300 | 350 | 800 | 350 | 53 | 400V / 500VA 24V / 6W | | 4 |
| VG4DC60300 | 350 | 800 | 350 | 53 | 400V / 500VA 24V / 6W | | 4 |
| VG5DC40450 | 550 | 1000 | 320 | 100 | 400V / 500VA 24V / 6W | | 5 |
| VG5DC50450 | 550 | 1000 | 320 | 100 | 400V / 500VA 24V / 6W | | 5 |
| VG5DC60450 | 550 | 1000 | 320 | 100 | 400V / 500VA 24V / 6W | | 5 |
| VG5DC40600 | 550 | 1000 | 320 | 100 | 400V / 1500VA 24V / 9W | | 5 |
| VG5DC50600 | 550 | 1000 | 320 | 100 | 400V / 1500VA 24V / 9W | | 5 |
| VG5DC60600 | 550 | 1000 | 320 | 100 | 400V / 1500VA 24V / 9W | | 5 |
| VG4DC40300C | 290 | 950 | 470 | 55 | 400V / 500VA 24V / 6W | | 4 C |
| VG4DC50300C | 290 | 950 | 470 | 55 | 400V / 500VA 24V / 6W | | 4 C |
| VG4DC60300C | 290 | 950 | 470 | 55 | 400V / 500VA 24V / 6W | | 4 C |
| VG5DC40450C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5DC50450C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5DC60450C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5DC40600C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5DC50600C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |
| VG5DC60600C | 290 | 1050 | 565 | 100 | 400V / 1500VA 24V / 9W | | 5 C |

Ratings, Types And Voltages

VW Vectorial Inverters

WATER COOLING

| NOMINAL VALUES | | | | | FEEDING | | POWER LOSSES | MODEL |
|----------------|-----------|-----|-----------------|----------------|---------|---------------------|----------------|-------------|
| Vn ac | Vn dc | In | l _{pk} | P _n | Idc@In | Idc@l _{pk} | W _d | |
| [V] | [V] | [A] | [A] | [KW] | [A] | [A] | [W] | |
| 400 | 400..750 | 100 | 140 | 55 | 115 | 162 | 700 | VTW3DC40100 |
| 500 | 500..850 | 100 | 140 | 66 | 115 | 162 | 800 | VTW3DC50100 |
| 690 | 600..1030 | 100 | 140 | 91 | 115 | 162 | 800 | VTW3DC60100 |
| 400 | 400..750 | 150 | 210 | 75 | 172,5 | 243 | 950 | VTW3DC40150 |
| 500 | 500..850 | 150 | 210 | 99 | 172,5 | 243 | 1200 | VTW3DC50150 |
| 690 | 600..1030 | 150 | 210 | 136 | 172,5 | 243 | 1200 | VTW3DC60150 |
| 400 | 400..750 | 200 | 280 | 110 | 230 | 324 | 1400 | VTW3DC40200 |
| 500 | 500..850 | 200 | 280 | 132 | 230 | 324 | 1700 | VTW3DC50200 |
| 690 | 600..1030 | 200 | 280 | 182 | 230 | 324 | 1700 | VTW3DC60200 |
| 400 | 400..750 | 250 | 310 | 132 | 288 | 405 | 2000 | VTW3DC40200 |
| 500 | 500..850 | 250 | 310 | 165 | 288 | 405 | 2400 | VTW3DC50200 |
| 690 | 600..1030 | 250 | 310 | 227 | 288 | 405 | 2400 | VTW3DC60200 |
| 400 | 400..750 | 315 | 425 | 175 | 362 | 403 | 2300 | VW3DC40300 |
| 500 | 500..850 | 315 | 425 | 210 | 362 | 403 | 3000 | VW3DC50300 |
| 690 | 600..1030 | 315 | 425 | 300 | 362 | 403 | 4000 | VW3DC60300 |
| 400 | 400..750 | 315 | 425 | 175 | 345 | 489 | 2300 | VW3DC40300C |
| 500 | 500..850 | 315 | 425 | 210 | 345 | 489 | 3000 | VW3DC50300C |
| 690 | 600..1030 | 315 | 425 | 300 | 345 | 489 | 4000 | VW3DC60300C |
| 400 | 400..750 | 450 | 500 | 250 | 529 | 588 | 3500 | VW4DC40450 |
| 500 | 500..850 | 450 | 500 | 300 | 529 | 588 | 4500 | VW4DC50450 |
| 690 | 600..1030 | 450 | 500 | 420 | 529 | 588 | 5500 | VW4DC60450 |
| 400 | 400..750 | 450 | 500 | 250 | 529 | 588 | 3500 | VW4DC40450C |
| 500 | 500..850 | 450 | 500 | 300 | 529 | 588 | 4500 | VW4DC50450C |
| 690 | 600..1030 | 450 | 500 | 420 | 529 | 588 | 5500 | VW4DC60450C |
| 400 | 400..750 | 600 | 670 | 330 | 705 | 787 | 4200 | VW4DC40600 |
| 500 | 500..850 | 600 | 670 | 400 | 705 | 787 | 6000 | VW4DC50600 |
| 690 | 600..1030 | 600 | 670 | 570 | 705 | 787 | 8000 | VW4DC60600 |
| 400 | 400..750 | 600 | 670 | 330 | 705 | 787 | 4200 | VW4DC40600C |
| 500 | 500..850 | 600 | 670 | 400 | 705 | 787 | 6000 | VW4DC50600C |
| 690 | 600..1030 | 600 | 670 | 570 | 705 | 787 | 8000 | VW4DC60600C |

Ratings, Types And Voltages VW Vectorial Inverters

WATER COOLING

| MODEL | DIMENSIONS | | | | SUPPLY | | FRAME |
|-------------|------------|------|------|--------|---------|-----|-------|
| | W | H | D | WEIGHT | [V]/[W] | [A] | |
| | [mm] | [mm] | [mm] | [Kg] | | | |
| VTW3DC40100 | 250 | 560 | 420 | 24 | 15 | 1,5 | T3 |
| VTW3DC50100 | 250 | 560 | 420 | 24 | 15 | 1,5 | T3 |
| VTW3DC60100 | 250 | 560 | 420 | 24 | 15 | 1,5 | T3 |
| VTW3DC40150 | 250 | 560 | 420 | 25 | 15 | 1,5 | T3 |
| VTW3DC50150 | 250 | 560 | 420 | 25 | 15 | 1,5 | T3 |
| VTW3DC60150 | 250 | 560 | 420 | 25 | 15 | 1,5 | T3 |
| VTW3DC40200 | 250 | 560 | 420 | 28 | 15 | 1,5 | T3 |
| VTW3DC50200 | 250 | 560 | 420 | 28 | 15 | 1,5 | T3 |
| VTW3DC60200 | 250 | 560 | 420 | 28 | 15 | 1,5 | T3 |
| VTW3DC40200 | 250 | 560 | 420 | 33 | 15 | 1,5 | T3 |
| VTW3DC50200 | 250 | 560 | 420 | 33 | 15 | 1,5 | T3 |
| VTW3DC60200 | 250 | 560 | 420 | 33 | 15 | 1,5 | T3 |
| VW3DC40300 | 490 | 650 | 390 | 42 | 15 | 1,5 | 3 |
| VW3DC50300 | 490 | 650 | 390 | 42 | 15 | 1,5 | 3 |
| VW3DC60300 | 490 | 650 | 390 | 42 | 15 | 1,5 | 3 |
| VW3DC40300C | 290 | 890 | 450 | 50 | 15 | 1,5 | 3 C |
| VW3DC50300C | 290 | 890 | 450 | 50 | 15 | 1,5 | 3 C |
| VW3DC60300C | 290 | 890 | 450 | 50 | 15 | 1,5 | 3 C |
| VW4DC40450 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC50450 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC60450 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC40450C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |
| VW4DC50450C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |
| VW4DC60450C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |
| VW4DC40600 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC50600 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC60600 | 570 | 650 | 390 | 56 | 15 | 1,5 | 4 |
| VW4DC40600C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |
| VW4DC50600C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |
| VW4DC60600C | 290 | 890 | 550 | 59 | 15 | 1,5 | 4 C |

Ratings, Types And Voltages

DCPS Power Supply Line

| NOMINAL VALUES | | | FEEDING | | POWER LOSSES | DIMENSIONS | | | | MODEL |
|----------------|------|------|---------|---------|--------------|------------|------|------|--------|-------------|
| Vn | In | IpK | Idc@In | Idc@IpK | Wd@In | W | H | D | WEIGHT | |
| [V] | [A] | [A] | [A] | [A] | [W] | [mm] | [mm] | [mm] | [Kg] | |
| 400 | 29 | 40 | 26 | 36 | 70 | 75 | 310 | 170 | 3 | DCPS-C40025 |
| 500 | 29 | 40 | 26 | 36 | 80 | 75 | 310 | 170 | 3 | DCPS-C50025 |
| 690 | 29 | 40 | 26 | 36 | 80 | 75 | 310 | 170 | 3 | DCPS-C60025 |
| 400 | 58 | 81 | 50 | 70 | 130 | 230 | 290 | 200 | 9 | DCPS-C40050 |
| 500 | 58 | 81 | 50 | 70 | 140 | 230 | 290 | 200 | 9 | DCPS-C50050 |
| 690 | 58 | 81 | 50 | 70 | 140 | 230 | 290 | 200 | 9 | DCPS-C60050 |
| 400 | 86 | 121 | 80 | 110 | 250 | 230 | 290 | 200 | 9 | DCPS-C40075 |
| 500 | 86 | 121 | 80 | 110 | 300 | 230 | 290 | 200 | 9 | DCPS-C50075 |
| 690 | 86 | 121 | 80 | 110 | 300 | 230 | 290 | 200 | 9 | DCPS-C60075 |
| 400 | 115 | 161 | 105 | 145 | 330 | 230 | 345 | 200 | 10 | DCPS-C40100 |
| 500 | 115 | 161 | 105 | 145 | 400 | 230 | 345 | 200 | 10 | DCPS-C50100 |
| 690 | 115 | 161 | 105 | 145 | 400 | 230 | 345 | 200 | 10 | DCPS-C60100 |
| 400 | 173 | 242 | 155 | 215 | 500 | 230 | 345 | 200 | 10 | DCPS-C40150 |
| 500 | 173 | 242 | 155 | 215 | 600 | 230 | 345 | 200 | 10 | DCPS-C50150 |
| 690 | 173 | 242 | 255 | 215 | 600 | 230 | 345 | 200 | 10 | DCPS-C60150 |
| 400 | 230 | 322 | 205 | 290 | 650 | 230 | 345 | 200 | 10 | DCPS-C40200 |
| 500 | 230 | 322 | 205 | 290 | 750 | 230 | 345 | 200 | 10 | DCPS-C50200 |
| 690 | 230 | 322 | 205 | 290 | 750 | 230 | 345 | 200 | 10 | DCPS-C60200 |
| 400 | 345 | 483 | 310 | 435 | 700 | 230 | 345 | 200 | 11 | DCPS-C40300 |
| 500 | 345 | 483 | 310 | 435 | 800 | 230 | 345 | 200 | 11 | DCPS-C50300 |
| 690 | 345 | 483 | 310 | 435 | 800 | 230 | 345 | 200 | 11 | DCPS-C60300 |
| 400 | 518 | 569 | 440 | 485 | 950 | 230 | 345 | 200 | 11 | DCPS-C40450 |
| 500 | 518 | 569 | 440 | 485 | 1200 | 230 | 345 | 200 | 11 | DCPS-C50450 |
| 690 | 518 | 569 | 440 | 485 | 1200 | 230 | 345 | 200 | 11 | DCPS-C60450 |
| 400 | 690 | 759 | 585 | 645 | 1400 | 550 | 590 | 305 | 40 | DCPS-C40600 |
| 500 | 690 | 759 | 585 | 645 | 1700 | 550 | 590 | 305 | 40 | DCPS-C50600 |
| 690 | 690 | 759 | 585 | 645 | 1700 | 550 | 590 | 305 | 40 | DCPS-C60600 |
| 400 | 1035 | 1139 | 880 | 970 | 2000 | 550 | 590 | 420 | 50 | DCPS-C40900 |
| 500 | 1035 | 1139 | 880 | 970 | 2400 | 550 | 590 | 420 | 50 | DCPS-C50900 |
| 690 | 1035 | 1139 | 880 | 970 | 2400 | 550 | 590 | 420 | 50 | DCPS-C60900 |

Ratings, Types And Voltages DCPS Power Supply Line

| MODEL | DIMENSIONS | | | | COOLING | | | FRAME |
|-------------|------------|------|------|--------|----------|----------------------------|-----|-------|
| | W | H | D | WEIGHT | AIR FLOW | SUPPLY | | |
| | [mm] | [mm] | [mm] | [Kg] | m3/h | [V]/[W] | [A] | |
| DCPS-C40025 | 75 | 310 | 170 | 3 | 100 | 24V / 3W | 0,2 | 150 |
| DCPS-C50025 | 75 | 310 | 170 | 3 | 100 | 24V / 3W | 0,2 | 150 |
| DCPS-C60025 | 75 | 310 | 170 | 3 | 100 | 24V / 3W | 0,2 | 150 |
| DCPS-C40050 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C50050 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C60050 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C40075 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C50075 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C60075 | 230 | 290 | 200 | 9 | | | | 230 |
| DCPS-C40100 | 230 | 345 | 200 | 10 | 180 | 24V / 8W | 0,3 | 230 |
| DCPS-C50100 | 230 | 345 | 200 | 10 | 180 | 24V / 8W | 0,3 | 230 |
| DCPS-C60100 | 230 | 345 | 200 | 10 | 180 | 24V / 8W | 0,3 | 230 |
| DCPS-C40150 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C50150 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C60150 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C40200 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C50200 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C60200 | 230 | 345 | 200 | 10 | 490 | 24V / 40W | 1,7 | 230 |
| DCPS-C40300 | 230 | 345 | 200 | 11 | 310 | 24V / 100W | 4,2 | 230 |
| DCPS-C50300 | 230 | 345 | 200 | 11 | 310 | 24V / 100W | 4,2 | 230 |
| DCPS-C60300 | 230 | 345 | 200 | 11 | 310 | 24V / 100W | 4,2 | 230 |
| DCPS-C40450 | 230 | 345 | 200 | 11 | 490 | 24V / 100W | 4,2 | 230 |
| DCPS-C50450 | 230 | 345 | 200 | 11 | 490 | 24V / 100W | 4,2 | 230 |
| DCPS-C60450 | 230 | 345 | 200 | 11 | 490 | 24V / 100W | 4,2 | 230 |
| DCPS-C40600 | 550 | 590 | 305 | 40 | 490 | 24V / 100W | 4,2 | 520 |
| DCPS-C50600 | 550 | 590 | 305 | 40 | 490 | 24V / 100W | 4,2 | 520 |
| DCPS-C60600 | 550 | 590 | 305 | 40 | 490 | 24V / 100W | 4,2 | 520 |
| DCPS-C40900 | 550 | 590 | 420 | 50 | 1000 | "400V / 500VA 24V / 6W" | 1,5 | 4 C |
| DCPS-C50900 | 550 | 590 | 420 | 50 | 1000 | "400V / 500VA 24V / 6W" | 1,5 | 4 C |
| DCPS-C60900 | 550 | 590 | 420 | 50 | 1000 | "400V / 500VA 24V / 6W" | | |

Regenerative Solutions

Common DC bus components by Sael can be configured as an active front-end (AFE) unit as well as smart rectifier, i.e. as regenerative braking energy unit (RBU). In processes with frequent and high energy braking, the AFE and RBU from Sael, allows for energy recovery into the mains network, avoiding wasting, avoiding wasting energy as heat with braking resistors. Typical applications are the Winders and Unwinder machines, Cranes, Winches, Conveyors and Tunnel Boring Machines (TBMs).



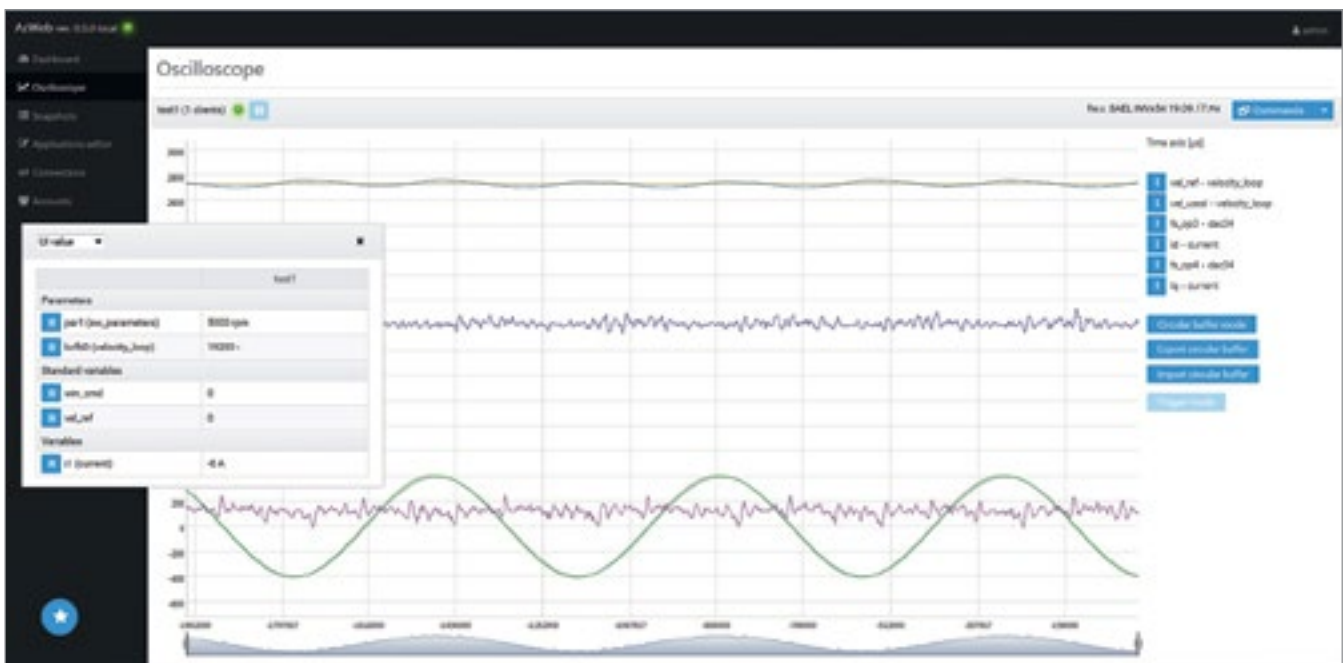
AZWEB & AZRUNNER INTERFACE

The win-based AzRunner interface represents the standard PC software tool, which can be used for an easy single drive commissioning or during a complete multi-drive machine tuning.



Main features:

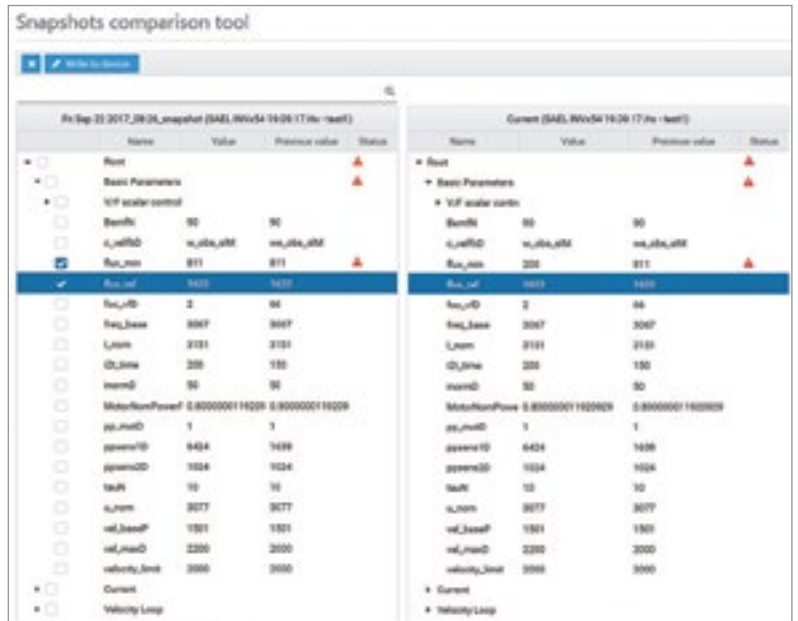
- Single drive connection via RS232 or drive-to-drive interfacing via RS485/Mcan:
- Parameter setting and signal/variable monitoring
- Quick parameters comparison
- Back-up and restore tool for drive parameter cloning
- Documentation wizard with detailed description of parameters, variables or functional block. An online update downloads the revision of the FW help.
- An online oscilloscope with multiple signals recording can be triggered on a signal edge.
- Simplified CAN management or fieldbus network via Anybus



AZWEB & AZRUNNER INTERFACE

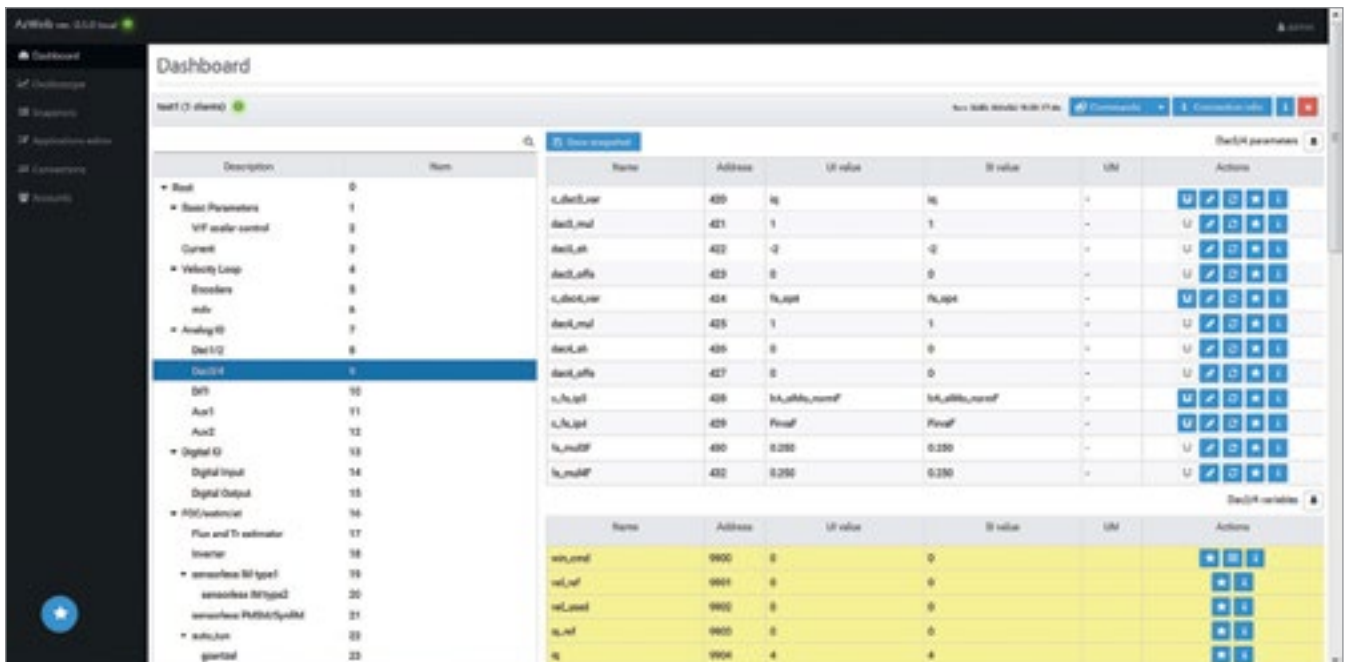
The AzWeb interface is an optional cross-platform SW tool, which guarantees the connectivity among a wide range of systems; from smartphones and standard laptop to UNIX workstations or any other device with web-capability.

The tool ensures the same functionality of AzRunner, and it include the parameter settings, download and compare multiple configuration settings, configure a real time tracking of desired signals (with the capability of triggering on a specific event) and remote handling of the AC drive.



Additional Features:

- Allows the parameterization and monitoring of the AC drive via any Windows, Mac, Android, iOS, Unix device
- Works over any TCP/IP connection
- Works over local area networks as well as Internet connections
- Secure authentications guaranteed



Connectivity

RKC – REMOTE KEYPAD CONTROL

The Multilingual alphanumeric keypad panel features intuitive use as well as easy navigation. The panel integrates all the PC-tool functionality. It basically provides the following features:

- Backup and restore function of all the parameters of the drive
- Parameter settings and variable monitoring
- Local start/stop of the drive with speed/torque reference set point

Friendly jog/shuttle key to increase quickly the set point reference.



Automation

SUPERVISION – DCS IN DRIVE

The Supervisor in combination with the Engineering Station is a powerful control device. It allows quick and easy management of each single working process by direct operator engagement. The architecture is based on windows with driving programs on SCALINK and MMI-SCADA platforms: fully available to programming key holders.

The package is completed by the remote assistance IWSA (Internet World Sael Assistance).





the spirit of improving

For more information please contact our Commercial Team or visit: www.sael.it

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Specifications subject to change without notice

