



A&S
ELECTRICAL
SOLUTIONS

Delivering Results, Exceeding Expectations

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Danfoss

VACON®

DRIVEN BY DRIVES

Danfoss Drives is a world leader in variable speed control of electric motors. It aims to prove to you that a better tomorrow is driven by drives. It is as simple and as ambitious as that. It offers you unparalleled competitive edge through quality, application-optimized products targeting your needs – and a comprehensive range of product lifecycle services. Since 1968, Danfoss has been the pioneer in the drives business. In 2014, Vacon and Danfoss merged, forming one of the largest companies in the industry. The AC drives can adapt to any motor technology and we supply products in a power range from 0.18 kW to 5.3 MW.

VACON 100 Series VFD



Wall Mounted

Modular



Enclosed

One of the widest standard category ranges on the market, the VACON® 100 family provides solutions for a wide range of applications in all industries. It comes in three different versions, sharing the same user logic, panel and software tools.

VACON® 100 FLOW

Dedicated functionality to improve flow control in building automation applications.

VACON® 100 INDUSTRIAL

The versatile drive that's ideal for hundreds of applications in all segments of industry.

VACON® 100 X

The VACON® 100 X sets a new benchmark for decentralized drives. It offers powers up to 30 kW in an IP66/Type 4X enclosure and has a highly advanced control capability to ensure that your process runs as it should.

VACON® 100 HVAC

Improve total building performance in terms of comfort, control and energy saving, and enjoy a fast return on investment.



VACON NXP Series VFD



A range of drives with proven reliability and performance for all applications in heavy process industries and offshore. The basic unit is used to create a large range of different products, each tailored for the needs of a specific customer segment.

VACON® NXP Air Cooled

Wide power range of air-cooled drives ideal for industrial drive applications.

VACON® NXP Common DC Bus

Everything you need for common DC bus solutions.

VACON® NXC Air Cooled Enclosed Drives

Space-saving enclosed drive with a lot of options and tailorability for specific applications.

VACON® NXP System Drive

Standardized yet configurable system drive for multi-motor applications.

VACON® NXP Grid Converter

Air-cooled and liquid-cooled drives designed for marine energy management applications.

VACON® NXC Low Harmonic

Regenerative and low harmonic drives for reduced impact on the supply and for applications requiring feeding of braking power back into the supply.

VACON 20 Series VFD



VACON® 20



VACON® 20 Cold Plate



VACON® 20 X

Possibilities and performance in a low power drive.

VACON® 20

Vacon® 20 comes with a compactness and functionality that makes it one of the most adaptable variable speed drives available. Its built-in PLC functionality and wide power range bring cost savings to the user.

VACON® 20 X

It is a decentral drive with a sealed IP65/Type 4X approved enclosure. It offers outstanding reliability and performance in extreme conditions and is suitable for decentralized installations exposed to moisture, dust, and fluctuating temperatures. It is easy to commission and it offers both flexible functionality and a wide range of options, making it the right choice for a large range of applications.

VACON® 20 Cold Plate

This drive offers all the same features as the standard VACON® 20 but comes with a completely different cooling concept, allowing the user to integrate the drive into a machine in an optimal manner. The cold plate of the drive can be mounted on any suitable cool metal surface, ensuring reliable cooling under all conditions.



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Danfoss MCD Softstarters



VLT® Soft Start Controller MCD 100

The compact soft starter series is a cost-effective alternative to traditional contactors and can also replace star/delta combinations. The ramp time is adjusted via controls on the front of the unit.

VLT® Compact Starter MCD 200

While the basic MCD 201 version is only used for motor starting, the extended MCD 202 version offers additional motor protection functions. These include, for example, current limitation during motor starting.

VLT® Soft Starter MCD 500

The MCD 500 is the comprehensive solution for soft starting and stopping of three-phase asynchronous motors. Integrated current transducers measure the motor current and provide important data for optimal start and stop ramps. An integrated bypass is available for motors up to 961 A.

Advance Harmonic Filter



VLT® Advanced Harmonic Filter AHF 005/010

Harmonic filters with additional functions specially adapted for use with VLT® frequency converters. When connected upstream of a frequency converter, the filter reduces the total current distortion fed back to the system to 5% or 10%.

Sine Wave Filter



VLT® Sine-Wave Filters

VLT® Sine-Wave Filters smooth the output voltage of the VLT® and reduce motor insulation stress and bearing currents as well as noise development in the motor.

dU/dt Filter



VLT® dU/dt Filters

VLT® dU/dt Filters reduce the rate of voltage rise on the motor terminals and protect old or weak motor insulation against breakdown. This is particularly important for short motor cables.



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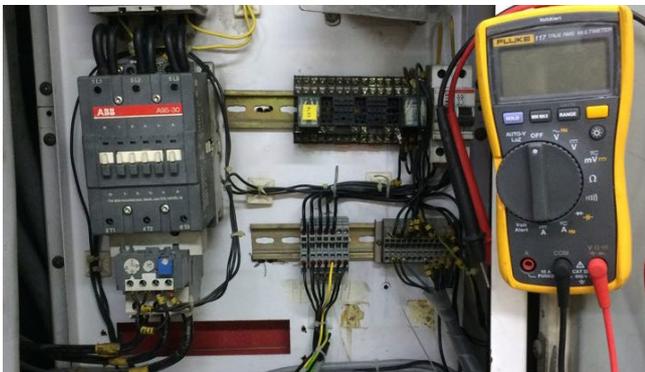
DELIVERING RESULTS, EXCEEDING EXPECTATIONS



Product Installation by A&S Electrical Solutions



Vacon 100 | San Miguel Yamamura Asia, Cavite Plant



Vacon NXP | San Miguel Yamamura, Manila Glass Plant

*Let us be your service provider and strategic partner.
Send us your inquiries.*

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