



VACON® 100 INDUSTRIAL and VACON® 100 FLOW

VACON® 100 INDUSTRIAL

The VACON® 100 INDUSTRIAL is a workhorse for a wide range of industrial applications. It is easy to integrate into all major control systems and is easily adaptable to different needs.

Modules and enclosed drives

All power sizes are available as drive modules. The free-standing enclosed drive version for higher power sizes contains a wide range of configurable options and an innovative control compartment for safe access, without opening the cabinet door.

Cost-effective communication

Integrated Ethernet interfaces support all major industrial protocols. Save on extra interface cards - and use the same drive for all major protocols required.

Easy adaptation

For OEMs, utilizing VACON® Programming enables the built-in PLC functionality according to IEC61131-1 to integrate their own functionality into the drive. The VACON® Drive Customizer facilitates smaller logic adaptations for special needs or retrofit situations.

Power range

3 x 208-240 V.....0.55-90 kW
 3 x 380-500 V.....1.1-630 kW
 3 x 525-690 V.....5.5-800 kW

Fieldbus

MOD	META	BAC	TCP	BIP
PB	DN	CAN	LON	EIP
PN	ECAT			

Enclosure

*Dependent upon enclosure size

IP00	IP20	IP21/Type 1
■		■*
IP54/Type 12	IP55/Type 12	IP66/Type 4X
■*		

VACON® 100 FLOW

Delivering all the benefits of the VACON® 100 family of drives, the VACON® 100 FLOW offers dedicated functionality. It improves flow control and saves energy in industrial pump and fan applications in power sizes up to 800 kW.

Modules and enclosed drives

All power sizes are available as drive modules. The free-standing enclosed drive version for higher power sizes contains a wide range of configurable options and an innovative control compartment for safe access, without opening the cabinet door.

Dedicated industrial flow control

The VACON® 100 FLOW provides specific flow control functions to enhance pump and fan performance and protect pipes and equipment, ensuring reliable operation.

Runs high-efficiency motors

Select the most efficient motor for your task, with the ability to run the new high-efficiency motor technologies, such as permanent magnet and synchronous reluctance motors, for improved system efficiency.

Power range

3 x 208-240 V.....0.55-90 kW
 3 x 380-500 V.....1.1-630 kW
 3 x 525-690 V.....5.5-800 kW

Fieldbus

MOD	META	BAC	TCP	BIP
PB	DN	CAN	LON	EIP
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Enclosure

*Dependent upon enclosure size

IP00	IP20	IP21/Type 1
■		■*
IP54/Type 12	IP55/Type 12	IP66/Type 4X
■*		



VACON® NXP Air Cooled



VACON® NXC Air Cooled Enclosed Drives



VACON® NXP Liquid Cooled Drive

VACON® NXP Air Cooled

The VACON® NXP Air Cooled drive is designed for a broad range of demanding industrial applications, focusing on higher power sizes and system drives.

Top performance

VACON® NXP control flexibility delivers maximum motor control performance and dynamics, in both single-shaft machines and drive systems.

Configurable on all levels

Fully configurable I/O and fieldbuses cater for any connectivity need. Fast optical drive-to-drive communication gives you the flexibility of load sharing and paralleling of power units.

Extremely flexible

Adapt the drive to many diverse usage requirements by loading the VACON application software that best suits the needs. Built-in PLC functionality according to IEC61131-1 enables you to create new functionality in the drive to obtain cost savings and deeper machine integration.

Power range

3 x 208-240 V.....0.55-90 kW
 3 x 380-500 V..... 1.5-1200 kW
 with DriveSynch 1.5-4000 kW
 3 x 525-690 V 2.0-2000 kW
 with DriveSynch 2.0-4500 kW

Fieldbus

PB	DN	CAN	BAC	LON
TCP	EIP	PN	MOD	META
ECAT				

Enclosure

*Dependent upon enclosure size

IP00	IP20	IP21/Type 1
■		■*
IP54/Type 12	IP55/Type 12	IP66/Type 4X
■*		

VACON® NXC Air Cooled Enclosed Drives

The VACON® NXC combines the VACON® NXP product range with a wide range of options in a single enclosed drive format.

Reliable operation

Based on a Rittal TS8 enclosure, the VACON® NXC enclosed drive is fully pre-designed and factory tested in order to ensure reliable and trouble-free operation.

Easy to work with

Access to the control equipment is easy and safe, due to the dedicated control compartment located at the front part of the enclosed drive. It is also internally protected against unintentional touch to increase user safety.

Easy to configure

Choose from a wide range of cabinet-installed options; and 6 or 12 pulse rectifiers or Active Front End (AFE).

Power range

3 x 380-500 V.....132-1200 kW
 3 x 525-690 V.....110-2000 kW

Power range - AFE supply

3 x 380-500 V.....132-1500 kW
 3 x 525-690 V.....110-2000 kW

Power range - Low harmonic,

Active Filter supplies

400 V132-560 kW
 500 V*.....132-560 kW
 690 V110-800 kW

*requires 690 V active filter

Fieldbus

PB	DN	CAN	BAC	LON
TCP	EIP	PN	MOD	META
ECAT				

Enclosure

IP00	IP20	IP21/Type 1
		■
IP54/Type 12	IP55/Type 12	IP66/Type 4X
■		

VACON® NXP Liquid Cooled Drive

This dedicated liquid-cooled drive is well-suited to applications where air quality is critical, space is limited, and efficient heat transfer is required.

Compact

No need for air ducts or large fans, combined with a more compact size, means you achieve a high power density in your installation - and virtually silent operation.

Uptime and cost savings

Save on both investment and operating costs when removing heat using the liquid medium. Achieve maximum uptime, with robust operation even in demanding conditions and with only minimal air filtering in dusty conditions.

Highest control flexibility

The drive utilizes the full VACON® NXP family control functionality to achieve modularity and scalability in a wide range of AC drive applications.

Power range

3 x 400-500 V.....132-4100 kW
 3 x 525-690 V.....110-5300 kW

Fieldbus

PB	DN	CAN	BAC	LON
TCP	EIP	PN	MOD	META
ECAT				

Enclosure

IP00	IP20	IP21/Type 1
■		
IP54/Type 12	IP55/Type 12	IP66/Type 4X