



Automatización Eléctrica
Especialistas en Automatización

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VFS11 type three-phase



VFS11...

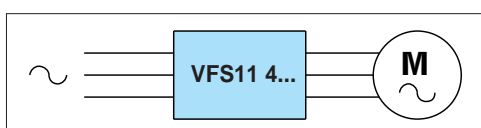
Order code	Ie ①	3-phase motor power at 400V		Qty per pkg	Weight
	[A]	[kW]	[HP]	n°	[kg]

Three-phase supply 380-500VAC 50/60Hz. ②
EMC suppressor built in.

VFS11 4004PL WP	1.5	0.4	0.54	1	2.100
VFS11 4007PL WP	2.3	0.75	1	1	2.100
VFS11 4015PL WP	4.1	1.5	2	1	2.200
VFS11 4022PL WP	5.5	2.2	3	1	3.100
VFS11 4037PL WP	9.5	4.0	5	1	3.200
VFS11 4055PL WP	14.3	5.5	7.5	1	5.900
VFS11 4075PL WP	17	7.5	10	1	6.700
VFS11 4110PL WP	27.7	11	15	1	11.000
VFS11 4150PL WP	33	15	20	1	11.500

① Operation up to 50°C without derating.

② 200-240VAC three-phase version available on request; consult Customer Service for information; see contact details on inside front cover.



**“Side by Side”
installation**
Multiple units installed
without side clearance
for space saving

Traditional
model

General characteristics

The innumerable functions available together with the constructive features consent the new VFS11 speed control to be used in a host of industrial and civil sectors, such as: waterworks and methane piping ducts, cement, paper, chemical and petrochemical industries. The precise design of the front panel board and the configuration menus warrant easy and user-friendly commissioning of the motor drive.

SPEED REFERENCE SIGNALS

Reference signals for speed adjustment are obtained by:

- Front potentiometer
- External potentiometer: 1-10kΩ
- Voltage signal: 0-10V
- Current signal: 4-20mA
- Keypad on front
- Remote keypad option
- 15 preset speeds via digital inputs
- TTL serial signal (TOSHIBA-Modbus®-RTU)

PROGRAMMABLE INPUTS

- Selectable PNP or NPN I/O logic
- 6 digital multifunction inputs
- 2 digital configurable as analog input.

PROGRAMMABLE OUTPUTS

- 1 relay with changeover contact; 1 relay with NO contact; 1 transistor; 1 analog configurable as 0-10VDC or 4-20mA.

PROTECTIONS

- Overcurrent and overvoltage
- Input and output phase loss
- Drive, motor and braking resistor overload
- Drive overtemperature and excessive torque
- Earth/ground fault.

SPECIAL FUNCTIONS

- PID function for pump and fan application
- Dual set of independent parameters and ramps for two different motor controls
- Automatic restarting and instantaneous speed tuning
- 15 viewable frequency values
- DC-Bus access for DC power supply
- Capacitor pre-charge circuit
- Integrated dynamic braking circuit; optional external braking resistor
- Motor control: constant torque V/f, variable torque, sensorless vector
- Automatic motor torque boost control
- Regenerative energy control
- DC injection braking
- Auto-tuning
- Frequency potentiometer (speed adjustment via 2 external pushbuttons)
- Quick parameter search and programming
- Sequential starting control for sets of motors
- SLEEP function: automatic motor stopping after continuous running at minimum frequency
- Start-up DC injection
- OVERRIDE function for summing analog VIA-VIB inputs.

Operational characteristics

- Input voltage:
 - VFS11... 380-500VAC three-phase
- Output voltage: ≤ input voltage
- Rated operational current Ie:
 - VFS11... 1.5-33A three-phase
- Mains voltage: 50/60Hz
- Output frequency: 0-500Hz
- Frequency modulation: 2-16kHz
- Current overload: 150% for 60s; 200% for 0.5s
- Low speed torque: 150% 1Hz
- IEC degree of protection: IP20; IP55 on request
- Ambient conditions
 - Operating temperature: -10...+60°C
 - Maximum altitude: 1000m
 - Relative humidity: 20-93% (with no condensing).

Certifications and compliance

Certifications obtained: UL Listed for USA and Canada (File E204788) as Power Conversion Equipment; CSA certified for Canada (File 231252) as Motor Controllers - Miscellaneous; AS C-tick. Compliant with standards: EN 50178, IEC/EN 61800-3 - first environment cat. C2 or second environment cat. C3, UL508, CSA C22.2 n° 14.

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- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
	VFS114004PLWP	VFS11 4004 PL WP	Buy on EAN
	VFS114007PLWP	VFS11 4007 PL WP	Buy on EAN
	VFS114015PLWP	VFS11 4015 PL WP	Buy on EAN
	VFS114022PLWP	VFS11 4022 PL WP	Buy on EAN
	VFS114037PLWP	VFS11 4037 PL WP	Buy on EAN
	VFS114055PLWP	VFS11 4055 PL WP	Buy on EAN
	VFS114075PLWP	VFS11 4075 PL WP	Buy on EAN
	VFS114110PLWP	VFS11 4110 PL WP	Buy on EAN
	VFS114150PLWP	VFS11 4150 PL WP	Buy on EAN