Compact, Easy-to-Use, Inverter for Small-Sized Machines!

The wide range of functions of the VF-nC1 meets various users' needs, from simple speed control to steady torque at low speed. The vertical contact-type main circuit terminal board and captive screws also ensure easy wiring.

POINT 1 Easy to Wire and Install

＊This is a composite photograph.

Like most internal power distribution and control devices, the VF-nC1 has a vertical main circuit terminal board for smoother installation in switchboards. Wiring set-up is further improved by the use of captive screws on the main circuit terminal board. The VF-nC1 may also be installed side by side to save space.

POINT 2 Easy to Select

General-purpose Toshiba inverters have been developed for "Compliance with Global Standards." The three main series: the three-phase 200V, single-phase 200V and single-phase 100V series, comply with major international standards in addition, several series of European models with a built-in EMI noise filter are also available. All of them have a wide range of functions.

ISO 9001:
VF-nC1 series is manufactured at the works, which has received the international quality assurance standard ISO 9001 certification.

ISO 14001:
The works producing the VF-nC1 series is registered as an environment management system factory specified by ISO 14001.

Type / Form

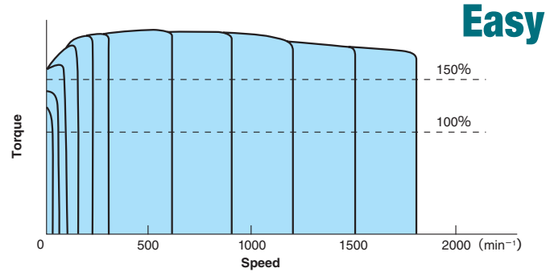
V F N C 1 S – 2 0 0 7 P L – W

- **Model name**: TOSVERT VF-nC1 Series
- **Number of power phases**: S: 1-phase; None: 3-phase
- **Input voltage**: 1:100V～115V; 2:200V～240V
- **Applicable motor capacity**: 001: 0.1kW; 002: 0.2kW; 004: 0.4kW; 007: 0.75kW; 015: 1.5kW; 022: 2.2kW
- **Operation panel**: P: Provided
- **Additional functions**: L: EMI filter inside
- **Destination**: W: World wide; - : Japan

■Models and applicable motors

Voltage (Input/Rated Output)	Applicable Motor Capacity (kW)					
	0.1	0.2	0.4	0.75	1.5	2.2
1φ100V/3φ200V						
1φ200V/3φ200V						
3φ200V/3φ200V						
1φ200V/3φ200V (built-in EMI noise filter)						

POINT 3 Easy to Set Up and Operate



Ex.Sensorless Vector control (3φ200V-0.4kW)

Even novice inverter users can operate the VF-nC1 without difficulty by using the RUN and STOP keys and the frequency adjusting knob on the operation panel. The design also allows most functions be controlled from the input terminals. A wizard function helps users with complicated settings. Other functions, which allow easy operation of the VF-nC1, include a vector control function (which improves the torque characteristic), a PI control function (useful for fans and pumps), and a 15-speed preset function.

Contents

Panel and operation procedure ……3
Model and standard specifications ……5
Standard specifications/outline drawing …6
Standard connection ……7
Basic and extended parameters……9
To users of our inverters……11
Optional external devices……12