

Folinn Inverter - 3.7KW 3PH 220V (H110T20037BX0)



Features:

The H100T20037BX0 is a compact 3.7 kW three-phase inverter designed for precise motor control in industrial and CNC applications. The drive supports both V/F and sensorless vector control, providing high torque performance of up to 150% at low speeds. With an extended output frequency range of 0–1000 Hz, wide protection functions, and user-friendly operation via keypad, terminals, or communication, it delivers reliable performance and flexibility for demanding environments. Its compact F3 frame size ensures easy integration in control panels while maintaining efficient cooling and durability.

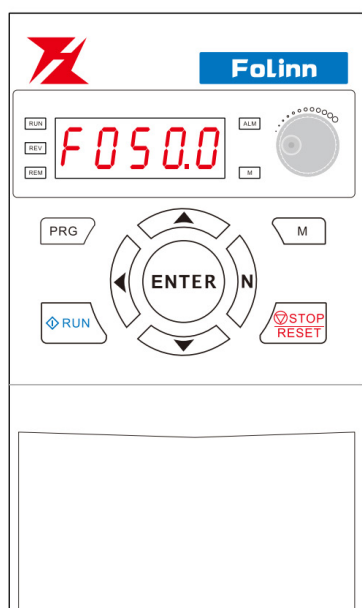
Specifications	
Model	H100T20037BX0
Rated Power	3.7 kW
Input Voltage	3-phase 220 V
Input Current	16.5 A
Output Current	15.2 A
Output Voltage	0 – rated input voltage
Output Frequency Range	0–1000 Hz
Control Modes	V/F, SVC
Modulation	SVPWM
Overload Capacity	150% for 60 s, 180% for 2 s
Starting Torque	150% at 1 Hz
Speed Range	1:100 (SVC)
Frequency Accuracy	Digital: $\pm 0.01\%$; Analog: $\pm 1\%$
Frequency Resolution	Digital: 0.1 Hz ; Analog: $\pm 1\%$
Accel/Decel Curves	Linear / S-curve
PID Control	Supported
Command Sources	Keypad, terminal, communication
Set Value Sources	Digital, analog, multi-speed, communication
Display	Frequency, voltage, current, bus voltage, alarms, errors
External Keypad	Supported
Ride-through	Auto frequency drop on power-off
Rapid Current Limit	Yes

Protection Functions	Over-current, over-voltage, under-voltage, overheating, overload, phase loss, earth leakage
Dimensions (W × H × D)	126 × 237 × 147 mm
Mounting (A × B, hole d)	112 × 223, Ø6 mm
Operating Temp	-10 °C to +40 °C (derating above 40 °C)
Storage Temp	-40 °C to +70 °C
Humidity	5 – 95% RH, non-condensing
Altitude	Derating 10% per 1000 m above 1000 m
Vibration	< 5.9 m/s ² (0.6g)
Storage Conditions	Indoor, no dust, no corrosive or flammable gas, no oil mist

Terminal Description:

Terminal	Name	Description
	Grounding Terminal	Safety grounding
R/L1, S/L2, T/L3	Main Circuit Power Input	Connect three-phase power supply; single-phase power supply connects to R/L1, S/L2
P+, PB	Braking Terminal	Connect to external braking resistor
P+, P-	DC Bus Terminal	Two or more inverters share a common DC bus (11 kW–22 kW models include P- terminal)
U, V, W	Output Terminal	Connect to three-phase motor

Keypad Explanation:



Item	Structure	Function description
1		Display
2		Program/exit
3		Status display interface work as status switch key; other interface work as left shift key
4		Reserved key
5		RUN
6		Potentiometer: refer to parameter P1.63
7		In the mode of program, work as value change key; otherwise, UP/DOWN key, refer to parameter P1.63, P2.03, P2.04
8		
9		Enter
10		STOP/RESET
11		Customization key

Product Pictures:

