



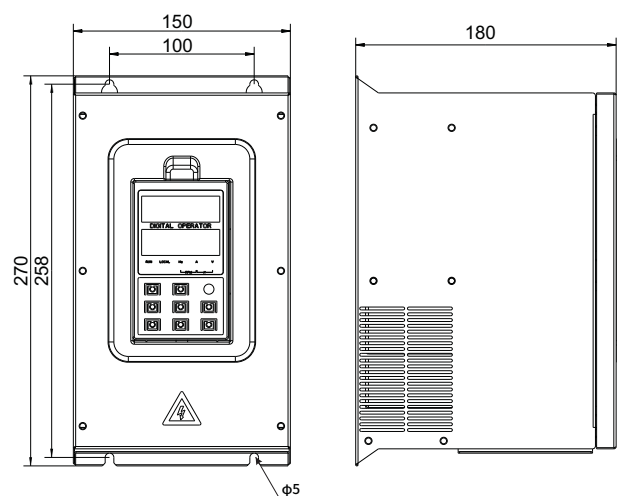
V910 SERIES IP54 FULLY ENCLOSED VFD

Features

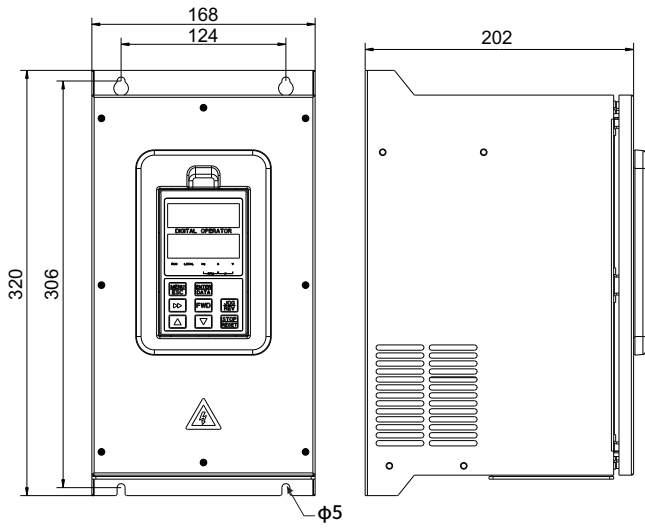
- ◆ IP54 water proof protection;
- ◆ Support both PMSM motor and normal induction A/S motor;
- ◆ Vector control;
- ◆ Dust-free cooling fans;
- ◆ Cost effective design, saving your total cost.

- ◆ Model: V910;
- ◆ Input Voltage: 460V/3P/50Hz;
- ◆ Output Voltage: 460V/3P/50Hz;
- ◆ Rated Power: 15~315KW;
- ◆ Protection : IP54 (NEMA3).

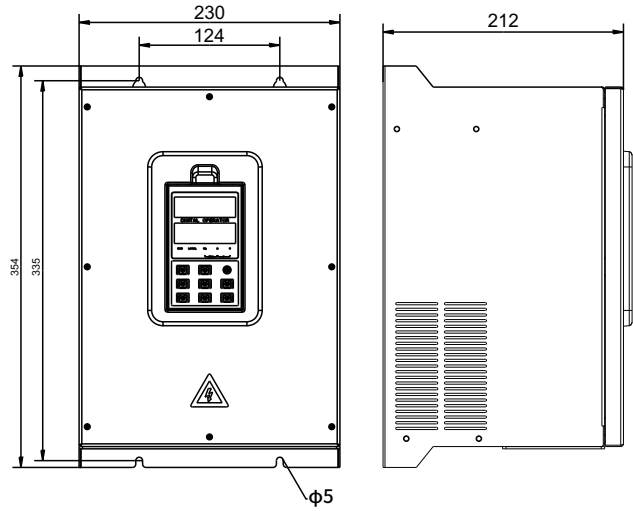
Dimension



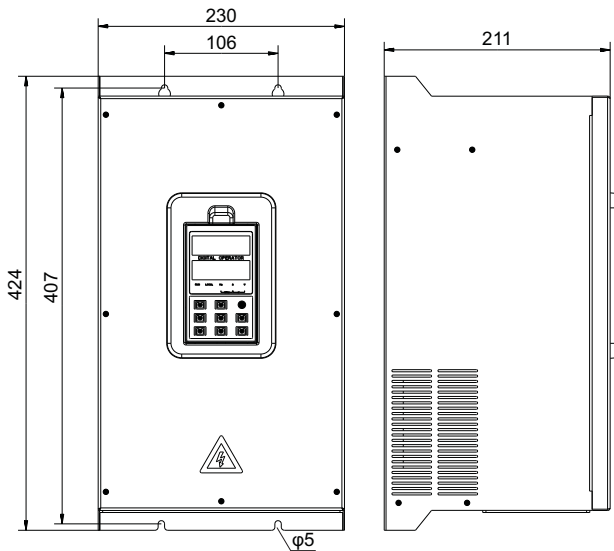
3.7~7.5kw Outline Dimensional Drawing



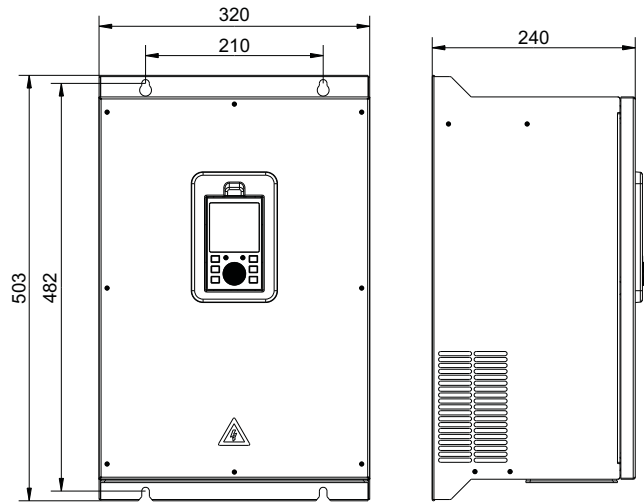
11-15kw Outline Dimensional Drawing



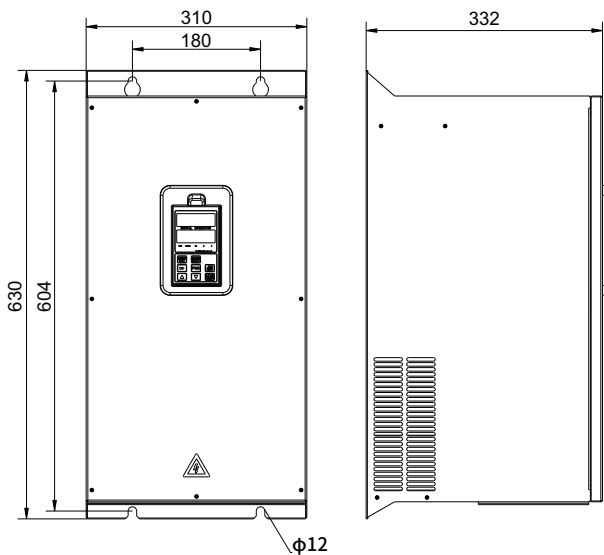
18.5-22kw Outline Dimensional Drawing



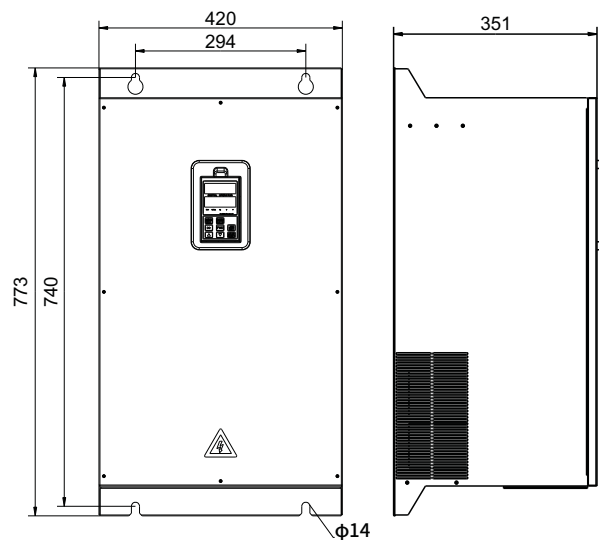
30-37kw Outline Dimensional Drawing



45-55kw Outline Dimensional Drawing



90-110kw Outline Dimensional Drawing



132-160kw Outline Dimensional Drawing

Specifications

Items		Specifications
Input	Rated Input Voltage	220V / 460V / 415V / 440V; 50Hz/60Hz
	Tolerance	Voltage: $\pm 20\%$ voltage unbalance rate: $< 3\%$; frequency: $\pm 5\%$
Output	Rated Output voltage	220V / 460V / 415V / 440V
	Frequency range	0Hz~5000Hz
	Frequency resolution	0.01Hz
	Overload capability	150% rated current for 1 minute, 180% rated current for 3 seconds
Control function	Torque control accuracy	$\pm 5\%$ (FVC)
	Control mode	V/F, sensorless vector control (SVC), Speed Sensor vector control(FVC)
	Frequency Accuracy	Digital setting: The highest frequency $\times \pm 0.01\%$ Analog setting: The highest frequency $\times \pm 0.2\%$
	Frequency resolution	Digital setting: 0.01Hz; Analog setting: The highest frequency $\times 0.1\%$
	Start frequency	0.40Hz ~ 20.00Hz
	Torque boost	Auto torque boost, manual torque boost 0.1%~30.0%
	V/F curve	Five ways: constant torque V/F curve, 1 kind of user defined V/F curve ,3 kinds of down torque curve(2.0/1.7/1.2times the power)
	Acc./Dec. curve	Two ways: linear Acc./Dec.,S-curveAcc./Dec.;7 kinds of Acc./Dec. time, Time unit(minute/second) optional, max. time: 6000 minutes.
	DC braking	DC Braking Frequency: 000Hz~ Max Frequency Braking Time: 0.0s~36.0s Braking Action Current Value: 0.0%~100.0%
	Energy consuming braking	Below 22KW drive built-in energy consuming braking unit, external braking resistor is optional.
	Jog running	Jog frequency range:0.1Hz~50.00Hz, JOG Acc./Dec. time: 0.0~6500.0s
	Build-in Double PID	Easily constitute a close loop control system
	Short time continuous working when power failure	when the instantaneous power failure occurs, the load side regenerative energy compensate the voltage drop and the inverter keep running for a short time.
	Multi-stage speed running	Max 16 multi-stage speed running via build-in PLC or control terminals
	Textile swing frequency	Swing frequency available with preset and central frequency adjustable
	Auto voltage regulation	Keep a stable voltage automatically when the grid voltage transients
	Auto energy saving running	Saving energy by auto optimizing V/F curve according to the load
	Auto current limiting	Auto current limiting to prevent frequent over current fault trip
	Multi pumps control	With water supply kit, it can implement multi pumps constant pressure water supply
Communication	Support: Modbus	
Running function	Running command channel	Keypad , Control terminal , Serial port , Above 3 channels are switchable
	Frequency setting channel	Keypad potentiometer setting: ▲、▼ control panel keys setting; Function code setting: Serial port setting; Terminal up/down setting: Input Analog voltage setting: Input Analog current setting: Input pulse setting; Combination ways setting;Above ways are switchable.
	Switch input channel	FWD/REV command: 8channels programmable switch inputs, 52kinds of function can be set separately
	Analog input channel	4~20mA: 0-10V: 2 optional analog inputs
	Analog output channel	4~20mA or 0~10V optional, setting frequency and output frequency ,etc feature output
	Switch/pulse output channel	Programmable open collector output: relay output :0~20KHz pulse output:
Control panel	LEDdigital display	Display setting frequency, output voltage, output current, etc.
	External meter display	Display output frequency, output current, output voltage, etc.
	Key lock	All the keys can be locked
	Parameter copy	Function code parameters can be copied between inverters when use remote control panel.
Protection function		Overcurrentprotection:overvoltageprotection:undervoltageprotection:overheating protection: overload protection, etc. Input phase loss protection (model>2.2kw)
Optional parts		Braking unit: remote control panel: cable: panel mounting feet, etc.
Environment	Environment	Indoors, avoid from direct sunlight, dust, corrosive gas, oil mist, steam, water dropper salt, etc
	Altitude	Lower than 1000m (derating is necessary above 1000m)
	Ambient temperature	- 10℃ ~ + 40℃
	Humidity	<95%RH, no condensation
	Vibration	Lower than 5.9m/s (0.6g)
	Storage temperature	- 20℃ ~ + 60℃
Protection level		IP54
Cooling		Forced air cooling
Installation		Wall mounted; Floor mounted