



SH series
0.75-22KW

High Quality

Innovation

High quality \ innovation

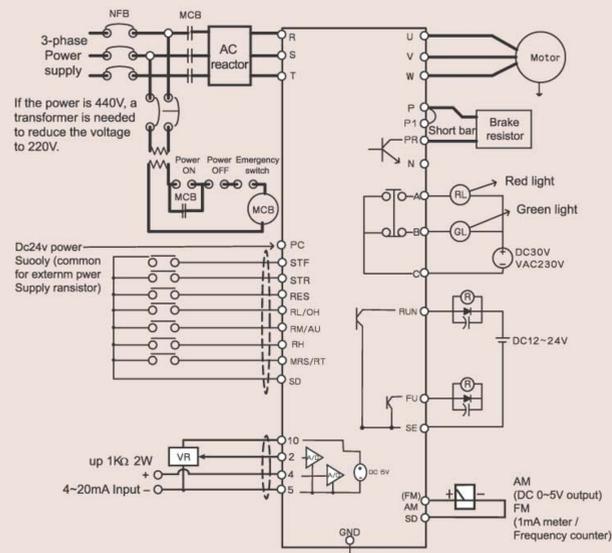
High Tech

High Tech

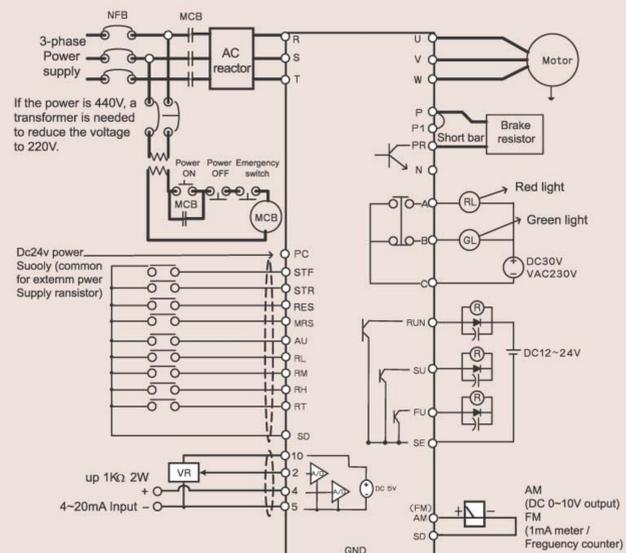
High performance SH series inverter

Professional technology is just for you

Terminal wire arrangement of 0.75K~3.7K(1HP~5HP) series



Terminal wire arrangement of 5.5K~22K(7.5HP~30HP) series



High performance SH series inverter

Professional technology is just for you

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Shihlin Brand

PLC
INV
Temperature controller
DVR

AX/AXON/AXIN/AX1S
E024/E044 series
SH020/040 series
SS series
WT series
EH/EM/AM series

Agency Brand

SUNX
SANKEN
Cognex
Aiphone
Mitsubishi
Sensor and Laser marker
Inverter
Checker
Intercom
PLC/HMI/INV/Servo

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Product Feature

Customize software, and easy to update

Easy to maintain

**5.5kW~22kW INV can do one-touch to easy switch cooling fans.
5.5kW~22kW INV input terminal can switch to Sink and Source by jump.**

At least connect to 32 INVs

You can choose communication unit RS485/RS422

Speed control range 1:100

Low speed · high torque

Easy to use.

All series have standard operator which can be taken off and add extend wire to set on the panel.

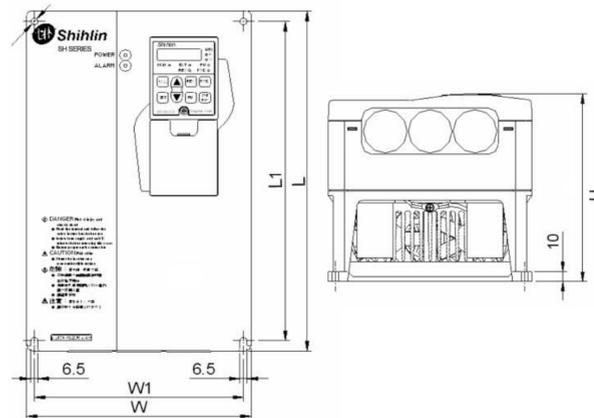
Easy to set parameters



■ Type SH020-0.75KBC

number	voltage	number	Inverter capacity
2	200V	0.75K	Inverter capacity is KW
4	400V	}	KBC is CE series INV
			KP is pump professional INV

Mechanical Dimensions



TYPE	W	W1	L	L1	H
SH 020-0.75K	105	93	150	138	117
SH 020-1.5K	140	128	150	138	128
SH 040-0.75K	140	128	150	138	128
SH 040-1.5K	200	188	150	138	138

TYPE	W	W1	L	L1	H
SH 020/040-2.2K	200	188	150	138	138
SH 020/040-3.7K	200	188	150	138	138
SH 020/040-5.5K	200	186	323	303	186
SH 020/040-7.5K	200	186	323	303	186
SH 020/040-11K	230	214	350	330	195
SH 020/040-15K	230	214	350	330	195
SH 020/040-18.5K	271	236	379	348	248
SH 020/040-22K	271	236	379	348	248

Standard Specification

Type	SH020-□□□ k										SH040-□□□ k									
	0.75k	1.5k	2.2k	3.7k	5.5k	7.5k	11k	15k	18.5k	22k	0.75k	1.5k	2.2k	3.7k	5.5k	7.5k	11k	15k	18.5k	22k
Applicable motor capacity	HP																			
	KW																			
Output	Rated capacity (kVA) (Note)																			
	Rated current (A) (Note)																			
	Overload Current Rating										Overload Current Rating									
	Voltage										Voltage									
Power supply	Rated Input AC Voltage, Frequency										Rated Input AC Voltage, Frequency									
	Permissible AC Voltage Fluctuation										Permissible AC Voltage Fluctuation									
	Permissible Frequency Fluctuation										Permissible Frequency Fluctuation									
	Power Supply (kVA)										Power Supply (kVA)									
Protective Structure										Enclosed type										
Cooling System										Cooling System										
Weight (kg)										Weight (kg)										

Control method	SPWM control, V/F control.
Control System	SPWM control (V/F control or Real sensor-less vector control with motor parameter auto tuning).
Output frequency range	0.2 to 400Hz (Starting Frequency Range is 0 to 60Hz).
Frequency Setting resolution	Analog input
	Digital input
Frequency accuracy	Digital input
	Analog input
Voltage/frequency characteristics	Base voltage (Pr19), base frequency (Pr3) can be set as required. Load Pattern Selection (Pr14).
Starting torque	120%/0.5Hz 150%/3Hz.
Torque boost (V/F control)	Range from 0 to 30% (Pr0).
Acceleration/deceleration time setting	Setting range from 0 to 3600sec (Pr7, Pr8). Different pattern of "acceleration/deceleration mode" can be selected (Pr29).
DC dynamic brake	Operation frequency 0 to 120Hz (Pr10), Operation time 0 to 10sec (Pr11), Operation voltage 0 to 30% (Pr12).
Stall prevention operation level	Stall presentation operation level 0 to 200% (Pr22).
Frequency Setting	Digital Unit, DC 0 to 5V, DC 0 to 10V, DC 4 to 20mA, Multi-speed setting
Input Terminals	Starting Signal
	Second function
	External thermal relay input
	Emergency stop
	Restart
Input Terminals	Operation status
	Alarm relay
Input Terminals	Meter
	Meter
Operation Penal	Operating status
	Motor running indicate
Inverter	LED indicator
Protective/warning function	Over current during acceleration or deceleration, regenerative over voltage protection, electronic thermal relay(Pr9), IGBT overhead protection, brake-resistor alarm, cooling fan fail alarm, over current leakage protection. Low voltage protection.
Environment	Ambient temperature
	Ambient humidity
	Storage temperature
	Atmosphere
Vibration	5.9m/sec ² (0.6G) or less