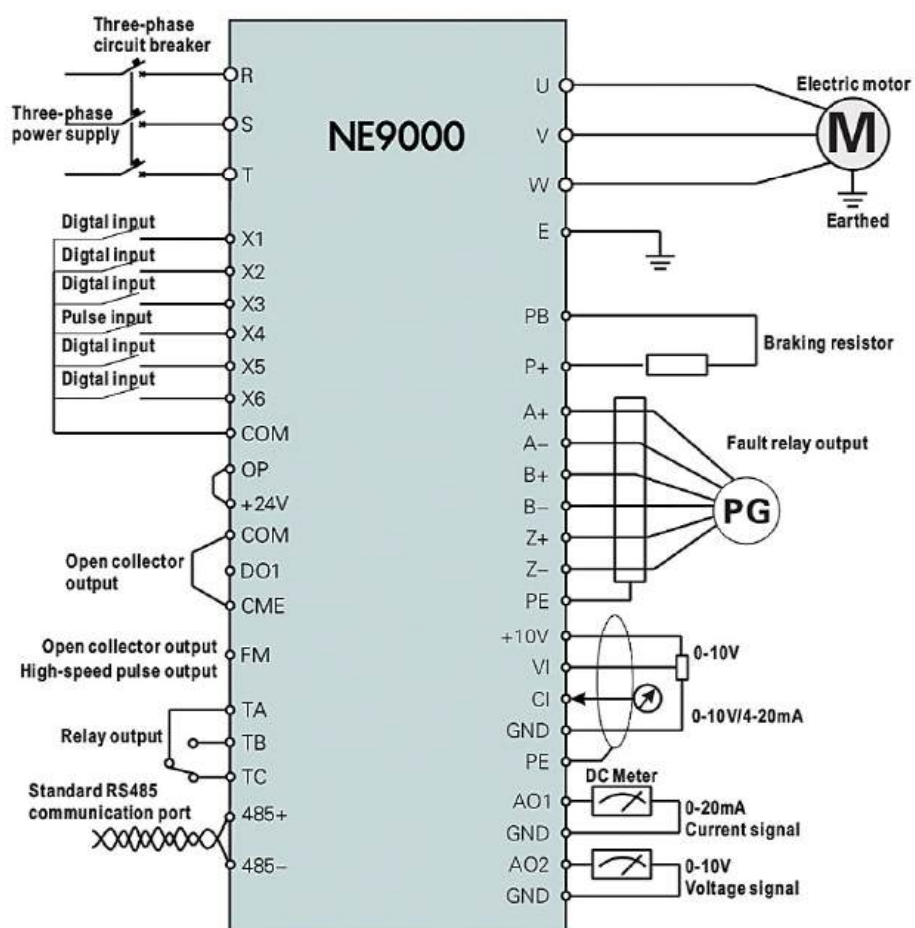


Energy efficient , beautiful environment

Items	Specifications	
Running function	Analog output channel	4~20mA or 0~10V optional, setting frequency and output frequency ,etc feature output
	Switch/pulse output channel	2 channels Programmable open collectors output, 2 channels relays output, 1 channel 0~20KHz pulse output
	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:
Optional parts	Braking unit: remote control panel: cable: panel mounting feet, etc.	

5 Wiring diagram of control circuit



NE9000 SERIES AC DRIVE

For NE9000 Dimension, please refer to the User Manual.

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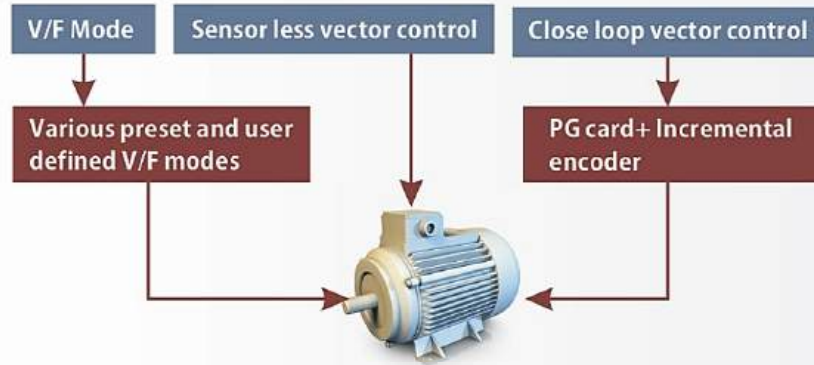
WWW.NURSACO.COM

1 NE9000 High Performance Inverter

With built-in C3 Class EMC filter

NE9000 general purpose high performance inverter adopts advanced control techniques applying in Textile machine, Metal manufacturing machine, Woodworking machine, Hoisting machine, Printing machine, Paper machines and etc.

◆ Varies control mode



◆ High torque output

0.5HZ 150% Torque output (Sensorless vector)
0HZ 180% Torque output (Closed loop vector)

◆ Pre-excitation



Improve motor starting torque output

◆ Torque control

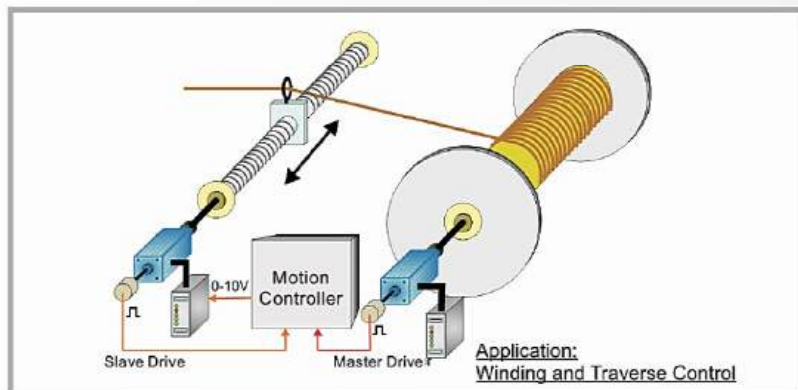


In winding application, inverter will increase and decrease output speed automatically, according to Torque output setting.

◆ High precision PID closed loop

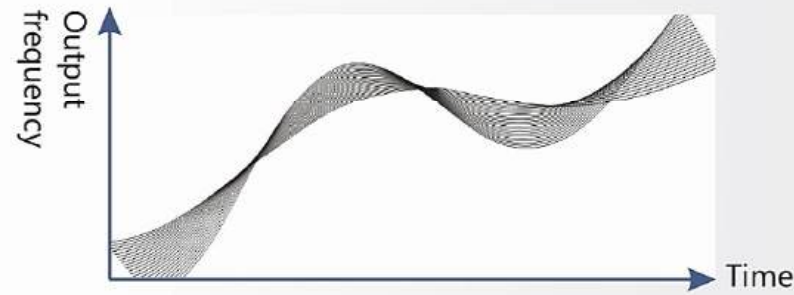
◆ Winding diameter calculation

In wiring drawing application, inverter will calculate the winding angular velocity. With PID control and winding angular velocity, inverter will adjust the output frequency automatically.



◆ 0.75- 37KW can built-in Braking Unite

S curve smooth start and stop performance



2 Model Description

NE 9000 - 4 T 0015 G / 0022P

① ② ③ ④ ⑤ ⑥

key	No	Content
Abbreviation	①	NEO, NE9000
Voltage level	②	2: 220V 4: 400V
Input voltage	③	S: Single T: Three Phase
Power adapter	④	0.2KW~630KW
Load type	⑤	G: Constant Torque
	⑥	P: Fan pump

3 Specification

Model		Rated Capacity (KVA)	Rated output current(A)	Motor power (KW)
G	P			
YX 9000 series/Input voltage: 400V three-phase				
NE9000-4T0007G	NE9000-4T0015P	1.5	2.5/4.0	0.75/1.5
NE9000-4T0015G	NE9000-4T0022P	2.5	4.0/6.0	1.5/2.2
NE9000-4T0022G	NE9000-4T0037P	3.0	6.0/9.6	2.2/3.7
NE9000-4T0037G	NE9000-4T0055P	5.9	9.6/14.0	3.7/5.5
NE9000-4T0055G	NE9000-4T0075P	8.5	14.0/17.0	5.5/7.5
NE9000-4T0075G	NE9000-4T0110P	11	17.0/25	7.5/11
NE9000-4T0110G	NE9000-4T0150P	17	25/32	11/15
NE9000-4T0150G	NE9000-4T0185P	21.7	32/39	15/18.5
NE9000-4T0185G	NE9000-4T0220P	25.7	39/45	18.5/22
NE9000-4T0220G	NE9000-4T0300P	29.6	45/60	22/30
NE9000-4T0300G	NE9000-4T0370P	39.5	60/75	30/37
NE9000-4T0370G	NE9000-4T0450P	49.4	75/91	37/45
NE9000-4T0450G	NE9000-4T0550P	60	91/112	45/55
NE9000-4T0550G	NE9000-4T0750P	73.7	112/150	55/75
NE9000-4T0750G	NE9000-4T0900P	99	150/176	75/90
NE9000-4T0900G	NE9000-4T1100P	116	176/210	90/110
NE9000-4T1100G	NE9000-4T1320P	138	210/253	110/132

4 Technical Specification

Items	Specifications	
Input	Rated Voltage	three phase 380-480V;50Hz/60Hz
	Range	Voltage: ±20% voltage unbalance rate:<3%; frequency: ±5%
	Frequency resolution	0.01Hz
Output	Overload ability	150% rated current for1minute, 180% rated current for3 seconds
	Control mode	Sensorless vector control (with optimal low frequency compensation)
Control function	Frequency Accuracy	Digital setting: The highest frequency×± 0.01% Analog setting: The highest frequency × ±0.2%
	Frequency resolution	Digital setting: 0.01Hz; Analog setting: The highest frequency× 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 start frequency : 0~15.00Hz braking time : 0~60.0s braking current : 0~80%
	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: 0.1~60.0s
	EMC Filter	380V models can meet the requirements of EU IEC61800-3 C3; Optional external filters can meet IEC61800-3 C2 Class
	Multi-stage speed running	Multi-stage speed running available through built-in PLC or control terminals
	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 card, the function can implement multi- pumps constant pressure water supply	
Communication	2 field bus: Modbus, Profibus (external adding)	
Running function	Running command channel	Control panel : control terminal :serial port :3 channels switchable
	Switch input channel	FWD/REV command: 8channels programmable switch inputs, 35kinds of function can be set separately
	Analog input channel	4~20mA: 0-10V: 2 optional analog inputs