



Frequency inverter | Servo drive

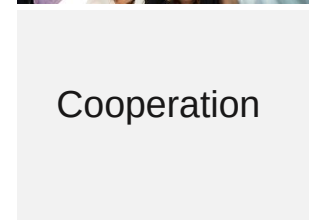
Comparison NE200 vs NE300 & NE900/NE9000



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Project	NE200	NE300	NE900/NE9000
Image			
Color	White/grey	Grey	Grey
Name Define	Mini inverter	General frequency inverter	Frequency inverter with CLVC
Market strategy	Economy for speed control	General inverter	High performance inverter
Application Characters	Simply for speed control, cheap	High-cost effective; Suitable for fans, pumps, and most of the general industry	High performance inverter with CLVC and torque control. Suitable for both open loop and closed loop synchronous motor (NE92000); available volume calculation function module (NE9100)

Project	NE200	NE300	NE900/NE9000
(AC) (V) Voltage	Single phase/three phase 220(-15%) ~ 240(+10%)	Single phase 220(-15%) ~ 240(+10%) Three phase 380(-15%) ~ 440(+10%)	Single phase 220(-15%) ~ 240(+10%) Three phase 380(-15%) ~ 440(+10%)
(kw) Powe range	220V 0.2~1.5kw	220V: 0.2KW-3.7KW 380V: 0.75kw ~ 1100kw	220V: 0.2KW-3.7KW 380V: 0.75kw ~ 1100kw
Control Mode	V/F	V/F, Open loop vector control	V/F, OLVC, CLVC
Adaptable Motor	Asynchronous motor	Asynchronous motor	Asynchronous motor、 permanent magnet synchronous motor
Low frequency torque	NE200 frequency inverter produce 120% start torque at 0.5Hz (without speed sensor vector control)	NE300 frequency inverter produce 120% start torque at 0.5Hz (without speed sensor vector control)	NE900/NE9000 frequency inverter produce 150% start torque at 0.5Hz (without speed sensor vector control) produce 180% start torque at 0Hz (with speed sensor vector control)
(G) Overload ability	150% rated current 1min, 180% rated current 10 seconds, 200% rated current 1 second	150% rated current 1min, 180% rated current 10 seconds, 200% rated current 1 second	150% rated current 1 minute 180% rated current 10 seconds 200% rated current 1 second

Project	NE200	NE300	NE900/NE9000
Analog Input	1way (AI1) 0~10V/0~20mA	1way (CI) 0~10V/0~20mA, 1way (VI) -0~10V	1way (CI): 0~10V/0~20mA 1way (VI): -10~10V
Analog Output	/	1way (AO1) 0~10V /0~20mA(0.75KW-3.7KW) 2ways (AO1、AO2) 0~10V /0~20mA(5.5KW above)	1way (AO1) 0~10V /0~20mA(0.75KW-3.7KW) 2ways (AO1、AO2) 0~10V /0~20mA(5.5KW above)
Switch Signal Input	4 ways input, Max. frequency 1KHz, internal impedance:3.3kΩ	8ways normal input, max. frequency: 1KHz, internal impedance: 3.3kΩ 1way high-speed input, max. frequency: 50kHz	8ways normal input, max. frequency: 1KHz, internal impedance: 3.3kΩ 1way high-speed input, max. frequency: 50kHz
Switch Signal Output	/	3.7KW below 1 way OC Open collector output, 5.5KW above 2ways(OC1、OC2)Open collector output, 1-way high speed pulse output DO	1way high-speed pulse output, maximum frequency: 50kHz; 1way Y terminal open collector output
Output Relay	1relay TB open, TC close, TA:3A/AC250V, 1A/DC30V	2 relays output TB open, TC close, TA common RB open, RC close, RA common Contactor capacity:3A/AC250V, 1A/DC30V	2 relays output TB open, TC close, TA common RB open, RC close, RA common Contactor capacity:3A/AC250V, 1A/DC30V

Project	NE200	NE300	NE900/NE9000
IP	IP20	IP20	IP20
Cool	Fan cool	Fan cool	Fan cool
Installation	Wall hanging	Wall mounted or cabinet type (depending on the model)	Wall mounted or cabinet type (depending on the model)
EMC filter	/	Optional built-in filter: meet the IEC61800-3 C3 level requirements	Optional built-in filter: meet the IEC61800-3 C3 level requirements
Communication	485	485	485
Keypad	Potentiometer, keypad can external	Potentiometer, keypad can external	Potentiometer, keypad can external
Optional extended communication card	/	DP, Profibus	DP, Profibus
Optional extended PG card (encoder)	/	/	Differential encoder, rotary transformer



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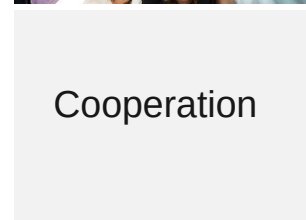
Thanks



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