NE300 series drive technical specifications:

Input	Rated power/ frequency	3-phase 380V ~ 440V; 50Hz/60Hz		
	Voltage range	304V ~ 456V; Voltage unbalance degree: ≤ 3% ; Permissable frequency fluctuation: ±5%		
Output	Voltage range	0-380V/440V		
	Overload capacity	Type G: 150% rated current 1min, 180% rated current 20s		
		Type P: 120% rated current for 1min, 150% rated current for 1s		
Control features	Control mode	Vector control with PG(VC)	Vector control without PG(SVC)	V/F control
	Startup torque	0.00Hz 180%	0.5Hz 150%	1.5Hz 150%
	Speed adjust range	1:1000	1:100	1:50
	Speed stabilization precision	± 0.02%	± 0.2%	± 0.5%
	Torque control	Yes	Yes	N/A
	Torque precision	± 5%	± 10%	----
	Torque response time	<10ms	<20ms	----
Product functions	Key functions	Torque/speed control switching, Multi-function input/ output terminals, under voltage regulation, AC operation grounding switching, flying start, torque limit, multi speed operation, autotune, S curve Acc/ Dec, slip compensation, PID regulation, simple PLC, fix length control, droop control, current control, manual/ automatic torque increase, current limit, AVR function		
	Frequency setup	Keypad, terminal Up/Down, communication, Analog input AI1/AI2, Terminal pulse input X4,X5		
	Output frequency	0.00~550.0Hz		
	Startup frequency	0.00~60.00Hz		
	Acc/Dec time	0.1~3600s		
	Dynamic braking	400V drive: braking unit voltage: 650 ~ 750V;		
		200V drive: braking unit voltage: 360 ~ 390V;		
	DC injection braking	DC braking activation: 0.00 ~ 550.0Hz		
		DC braking current: G type 0.0 ~ 100.0%; P type 0.0 ~ 80.0%		
		DC braking time: 0.0 ~ 30.0s; Quick DC brake activation without lag time		
	Magnetic flux braking	Fast deceleration through adding motor magnetic flux		
Unique functions	Parameter cloning	Parameter upload, download. User can forbid the overwriting of the uploaded parameters.		
	Keypad	LED keypad as standard.		
	Common DC bus	Common DC bus for multiple drives power supply		
	Independent air duct	Independent air duct design for whole series product		
	Extension card	IO extension card, injection molding machine connecting card etc.		
	Power-up detection	Automatic detection of internal and external circuits when power-up		
Protection function	Power undervoltage/overvoltage protection, overcurrent protection, autotune trip, IGBT protection, heatsink overheat protection, drive overload protection, motor overload protection, external device false protection, output to ground short-circuit protection, abnormal power failure in running, power supply abnormal, output phase loss, EEPROM trip, relay contact error, temperature sampling abnormal, encoder off-line, analog input trip, communication trip, version compatibility trip, cloning trip, extension card connection trip, hardware overload protection			
Efficiency	Operation at rated power: 7.5kW or below≥ 93%; 11kW~45kW≥ 95%; 55kW or above≥ 98%			
Environment	Application environment	Vertical installation in well ventilated cabinet. Horizontal or other installation are forbidden. The cooling medium is air. Free from direct sunlight, dust, corrosive gas, combustible gas, oil mist, steam, and water drop.		
	Ambient temperature	-10°C~+40°C, deration is required from 40 to 50°C, rated output current decreasing 1% per 1 °C temperature higher		
	Humidity	5~95% without condensation		
	Altitude	0~2000m, deration is required for more than 1000 meters, at rated output current decreasing 1% per 1 00m higher		
	Vibration	3.5mm, 2~9Hz; 10 m/s^2, 9~200Hz; 15 m/s^2, 200~500Hz		
	Storage temperature	-40~+70°C		
Structure	Protection level	IP20		
	Cooling	Fan force cooling		

*Please consult our company for vector control drive with PG model selection.