



BD330 SERİSİ YÜKSEK PERFORMANSLI VEKTÖR İNVERTÖRÜ

BD330, firmamız tarafından DZB300 temelinde geliştirilen yüksek performanslı açık döngü vektör invertörün en yeni neslidir. Üstün performansa ve zengin işlevlere sahiptir; daha makul yapı, mükemmel ısı dağılımı performansı, daha küçük boyut, esnek konfigürasyon ve müşterilerin farklı ihtiyaçlarını karşılayabilir. Güzel görünüm.

Uygulamalar:

- Metal işleme, CNC makinesi, tel çekme makinesi ve diğer mekanik ekipmanlar
- Gıda makineleri
- Kazan fanları, çekiş fanı, madende pis hava fanı
- Belediye mühendisliği, merkezi iklimlendirme, enerji tasarrufu projeleri
- Silikon makinesi, santrifüj fan vb
- Sirkülasyonlu su pompası, pompalar, petrol sahası enjeksiyon su pompası, yağ pompası
- Kağıt yapım ekipmanları, kimya endüstrisi, ilaç endüstrisi, tekstil endüstrisi vb

- ◆ YENİ YAPISAL TASARIM: İYİ ISI DAĞILIMI, KÜÇÜK HACİMLİ
- ◆ YENİ DONANIM TASARIMI
- ◆ KARARLI VE GÜVENİLİR KALİTE
- ◆ 16 SEGMENT HIZI, HER SEGMENT HIZI İÇİN AYARLANABİLİR HIZLANMA VE YAVAŞLAMA
- ◆ MODÜLER TASARIM, ÇEŞİTLİ GENİŞLETME KARTLARINA UYUM SAĞLAYABİLİR.
- ◆ ANA VE YARDIMCI FREKANS, FREKANS KOMUTU DEĞİŞTİRİLEBİLİR; ÇALIŞAN KOMUT DEĞİŞTİRİLEBİLİR
- ◆ 7.5KW ÜZERİNDE DAHİLİ HIZ İZLEME FONKSİYONU
- ◆ BÜYÜK ATALET YÜKÜNÜN HIZLI BİR ŞEKİLDE DURMASINI VE BAŞLAMASINI SAĞLAYABİLİR
- ◆ GENİŞ VOLTAJ TASARIMI
- ◆ YERLİ ELEKTRİK ŞEBEKESİNE DAHA UYARLANABİLİR
- ◆ İKİ KONTROL MODU: V/F KONTROLÜ VE AÇIK DÖNGÜ VEKTÖR KONTROLÜ
- ◆ ÇEŞİTLİ ÖZELLİKLERE SAHİP 0.75 ~ 22KW DAHİLİ FRENLEME ÜNİTELERİ, HIZLI BİR ŞEKİLDE DURMASI GEREKİYORSA FREN DİRENCİNİ DOĞRUDAN BAĞLANABİLİR.



	Technical indicators	Description
Input	Input voltage range	One-phase 220V±15%, three-phase 220V±15%, three-phase 380V±15%.
	Input frequency range	47 ~ 63Hz
Output	Output voltage	0~rated input voltage
	Output frequency range	0~200Hz
Control performance	Control mode	sensorless vector control(SVC) , V/F Control
	V/F control	Three types: linear, multiple point and square type
	Operation command mode	Keyboard control, Terminal control, Serial communication control
	Frequency Reference Source	Digital,analog,pulse frequency,serial communication,multi-step speed,simple PLC and PID The combinaton of multi-modes and the different modes can be switched.
	Overload capacity	G type: 150% rated current 60s,180% rated current 10s P type: 120% rated current 60s, 150% rated current 10s
	Start torque	0.5Hz/150%(SVC)
	Speed adjusting range	1:100(SVC)
	Speed control accuracy	±0.5%(SVC)
	Carrier frequency	1.0 to 15.0kHz;automatically adjust carrier frequency according to the load characteristics
	Frequency resolution	Digital setting:0.01Hz. Analog setting:maximum frequency x 0.1%
	Torque boost	Automatic torque boost; manual torque boost 0.1 ~ 30%
	Acceleration and deceleration mode	Linear,2 types Acceleration/deceleration times
	DC brake	Supports starting and stopping DC brake;
	Jogging Control	Jog frequency range:0.0Hz to max.frequency; Jog Acc/Dec time:0~3600.0s
	Simple PLC & multi-step speed operation	Built-in PLC or control terminal,16 steps speed can be set
	Built-in PID	Built-in PID control to easily realize the close loop control for the process parameters (such as pressure, temperature, flow, etc.)
	Automatic voltage regulation(AVR)	Automatically maintain a constant output voltage when the voltage of electricity grid changes
	Common DC bus	Common DC bus function: multiple inverters can use a common DC bus
	Traverse control	Traverse control function:multiple triangular pulse frequency control
	Length control	Setting length control
	Timing control	Setting time range:0~65535h
Terminals	Input terminals	6 programmable digital inputs,it can be extended to 3 digital inputs,1 high speed pulse input; 1 analog volatge input 0~10VDC; 1 volatge input 0~10VDC or current input 4~20mA
	Output terminals	1 open collector output ,it can be extened to 1 high speed pulse output ; 2 relay outputs,it can be extended 4 relay outputs; 2 analog output: 1 volatge output 0~10VDC,it can be extended to current output 4~20mA , 1 volatge output 0~10VDC or current output 4~20mA
Human machine interface	LED Display	Can display setting frequency, output frequency, output voltage, output current, etc.
Enviroment & Protection class	Protection class	IP20
	Humidity & temperature	90%RH or less (no-condensation),-10℃ ~ +40℃ .Inverter will be derated if ambien temperature exceeds 40℃
	Vibration	Under 20Hz 9.8m/s(1G),Over 20Hz5.88m/s(0.6G)
	Store environment	≤1000M,indoor(no corrosive gas and liquid)
	Store temperature	-20℃ ~ 60℃
	Cooling Mode	Forced air-cooling

Models	Rated power (kW)	Rated input current (A)	Rated output current (A)	Adaptive motor (KW)
Input 3PH 220V±15% 47Hz ~ 63Hz				
BD330-0R5G-2	0.5	3.8	3.2	0.5
BD330-0R7G-2	0.75	4.9	4.1	0.75
BD330-1R5G-2	1.5	8.4	7.0	1.5
BD330-2R2G-2	2.2	11.5	10.0	2.2
BD330-3R7G-2	3.7	18	15	3.7
BD330-5R5G-2	5.5	24	23	5.5
BD330-7R5G-2	7.5	37	31	7.5
BD330-011G-2	11	52	45	11
BD330-015G-2	15	68	58	15
BD330-018G-2	18.5	84	71	18.5
BD330-022G-2	22	94	85	22
BD330-030G-2	30	120	115	30
BD330-037G-2	37	160	145	37
BD330-045G-2	45	198	180	45
BD330-055G-2	55	237	215	55
BD330-075G-2	75	317	283	75
BD330-093G-2	93	381	346	93

Models	Rated power (kW)	Rated input current (A)	Rated output current (A)	Adaptive motor (kW)
Input 3PH 380V±15% 47Hz ~ 63Hz				
BD330-0R7G/1R5P-4	0.75/1.5	3.4/5.0	2.5/3.7	0.75/1.5
BD330-1R5G/2R2P-4	1.5/2.2	5.0/5.8	3.7/5.0	1.5/2.2
BD330-2R2G/3R7P-4	2.2/3.7	5.8/10.5	5.0/8.5	2.2/3.7
BD330-3R7G/5R5P-4	3.7/5.5	10.5/14.6	8.5/13	3.7/5.5
BD330-5R5G/7R5P-4	5.5/7.5	14.6/20.5	13/18	5.5/7.5
BD330-7R5G/011P-4	7.5/11	20.5/26	18/24	7.5/11
BD330-011G/015P-4	11/15	26/35	24/30	11/15
BD330-015G/018P-4	15/18.5	35/38.5	30/37	15/18.5
BD330-018G/022P-4	18.5/22	38.5/46.5	37/46	18.5/22
BD330-022G/030P-4	22/30	46.5/62	46/58	22/30
BD330-030G/037P-4	30/37	62/76	58/75	30/37



Models	Rated power (kW)	Rated input current (A)	Rated output current (A)	Adaptive motor (kW)
Input 3PH 380V $\pm$ 15% 47Hz ~ 63Hz				
BD330-037G/045P-4	37/45	76/92	75/90	37/45
BD330-045G/055P-4	45/55	92/113	90/110	45/55
BD330-055G/075P-4	55/75	113/157	110/150	55/75
BD330-075G/093P-4	75/93	157/180	150/170	75/93
BD330-093G/110P-4	93/110	180/214	170/210	93/110
BD330-110G/132P-4	110/132	214/256	210/250	110/132
BD330-132G/160P-4	132/160	256/307	250/300	132/160
BD330-160G/187P-4	160/187	307/350	300/340	160/187
BD330-187G/200P-4	187/200	350/385	340/380	187/200
BD330-200G/220P-4	200/220	385/430	380/430	200/220
BD330-220G/250P-4	220/250	430/468	430/465	220/250
BD330-250G/280P-4	250/280	468/525	465/520	250/280
BD330-280G/315P-4	280/315	525/590	520/585	280/315
BD330-315G/350P-4	315/350	590/665	585/650	315/350
BD330-350G/400P-4	350/400	665/785	650/754	350/400
BD330-400G/500P-4	400/500	785/985	754/930	400/500
BD330-500G/630P-4	500/630	965/1210	930/1180	500/630
BD330-630G/710P-4	630/710	1210/1465	1180/1430	630/710



- Inverter nameplate:

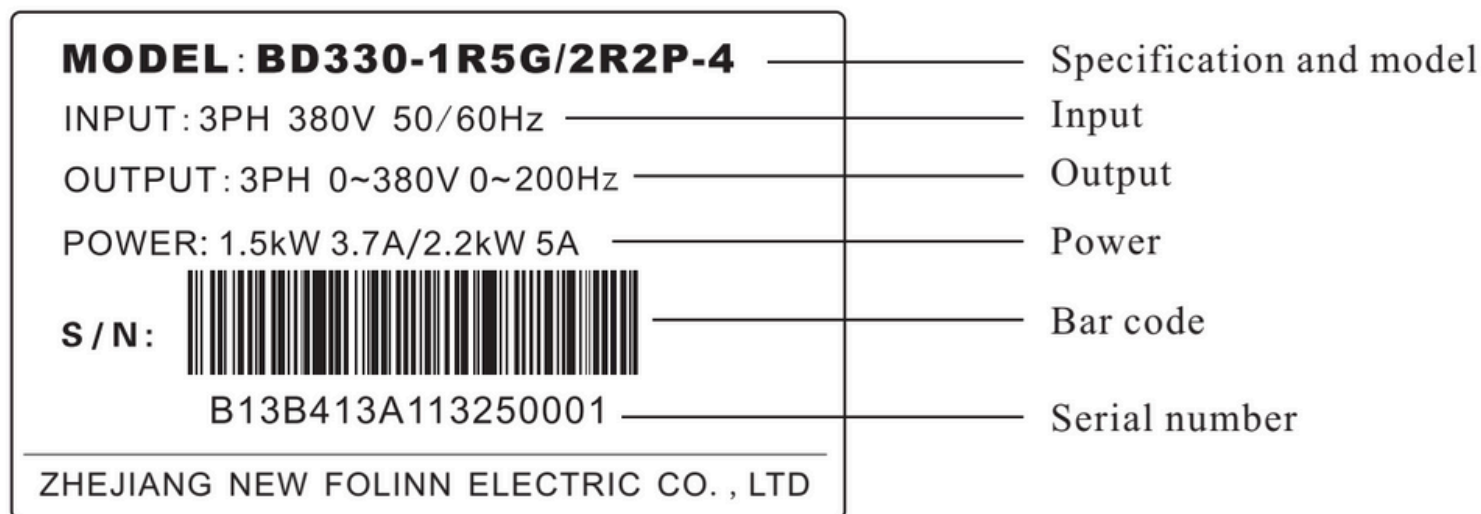


Figure 2-1 Product nameplate

- Specifications and models:

BD330 - 1R5G/2R2P - 4 - XX

