

Product Model		JD-BP36-XXXXF	JD-BP36S-XXXXF	JD-BP37-XXXXF	JD-BP37S-XXXXF	JD-BP38-XXXXF	JD-BP38S-XXXXF
Power Level(kW)		200~20000kW (take 4-pole motor as standard, 6 to 12 pole motors are selected by current)					
Rated Output	Output Voltage(kV)	Three phase					
		0 ~ 3kV	0 ~ 3.3kV	0 ~ 6kV	0 ~ 6.6kV	0 ~ 10kV	0 ~ 11kV
	Rated Power(kW)	Rated power of rated motor voltage: 200 ~ 20000kW					
	Rated Current(A)	Rated current of rated motor voltage					
	Overload Capability	105% continuous, 130% allowed 1min, 150% allowed 3s, 180% immediate protection					
Waveform		Multiplexed SPWM sine wave					
Input Voltage	Phase Number	Three phase					
	Frequency	50Hz					
	Voltage	3kV	3.3kV	6kV	6.6kV	10kV	11kV
	Allowable Range of Fluctuation	Voltage: -10%~+10%, -10%~-35% Derating continuous operation: frequency $\pm 5\%$					
	Control Power Input	AC 220V 2kVA					
Basic performance	Precision	Analog setting: 0.3% ($25 \pm 10^\circ\text{C}$) below the maximum frequency setting Digital setting: 0.02% ($-10 \sim +50^\circ\text{C}$) below the maximum frequency setting					
	Resolution	Analog setting: one thousandth of the highest frequency setting Digital setting: 0.01Hz					
	Efficiency	>97%,when rated output					
	Power Factor	>0.95					
	High Voltage Isolation	Electromagnetic coupling, multi-channel fiber transmission					
Control	Acceleration and Deceleration Time	0.1 to 6000.0s, for acceleration, deceleration time can be set separately					
	Voltage / Frequency Characteristics	0: normal, 1: square curve, 2: multi-section V/F curve					
	Built-in PID	Easy to implement process closed-loop control					
Operation	Operation Guide	The control (touch screen) operation, remote external control operation, upper computer operation (optional)					
	Frequency Given	Touch screen digital reference, multi-speed speed reference, external control analog signal (DC 4 ~ 20mA) given					
	Operating Status Output	Relay status output, inverter fault, alarm, run/stop status indication					
	Touch Screen Display	Input / output voltage, input / output current, set frequency, fault status of each unit, operating status, transformer status, bus voltage of each unit, etc.					
	Protective function	Motor over current, whole machine over voltage, whole machine under voltage, unit over current, unit over voltage, unit overheat, unit input phase loss, fiber communication failure, etc.					
External Interface	Digital Input	Total 15 channels					
	Digital Output	Total 15 channels					
	Analog Input	Three channels 4 ~ 20mA (channel can be set): frequency given, pressure feedback, motor temperature, etc.					
	Analog Output	Four channels 4 ~ 20mA (channel can be set): output frequency, output current, output voltage, excitation control (for synchronous motor control)					
	Communication Interface	One RS485 interface, support MODBUS and PROFIBUS protocol; one channel CAN interface					
Environment	Place of Use	Indoor, no corrosive or conductive gas, dust, direct sunlight, altitude below 1000m (high altitude area can be customized)					
	Ambient Temp./ Humidity	$-10^\circ\text{C} \sim +40^\circ\text{C}$ /20% ~ 90%RH No condensation					
	Place of Use	5.9m/ s2 (below 0.6g)					
	Storage Temp.	$-20^\circ\text{C} \sim +65^\circ\text{C}$ (for short-term storage such as transportation)					
Cooling Method and Enclosure Protection Level		Forced air cooling / IP31					