



شرکت فنی مهندسی آتی روش
نماینده انحصاری شرکت ریفرورد



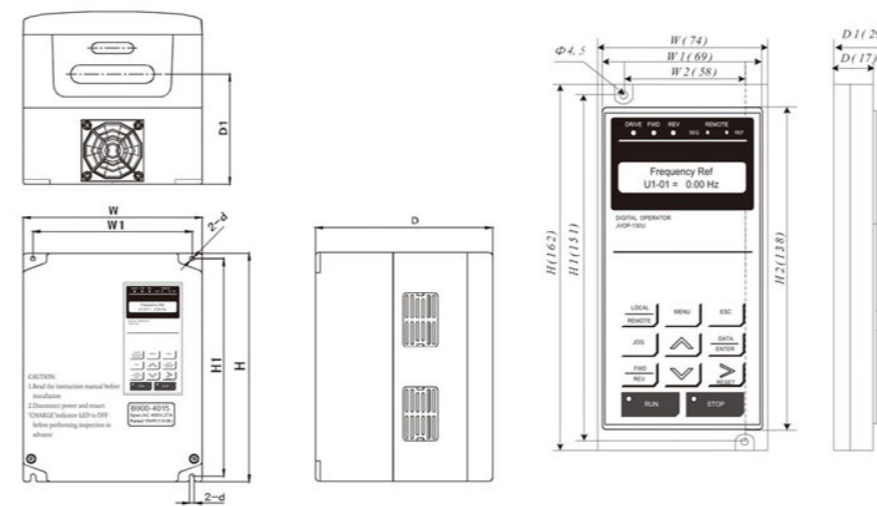
B900 Series
Current Vector Frequency Drive



The latest dimension of B900 series frequency inverter (Unit: MM)

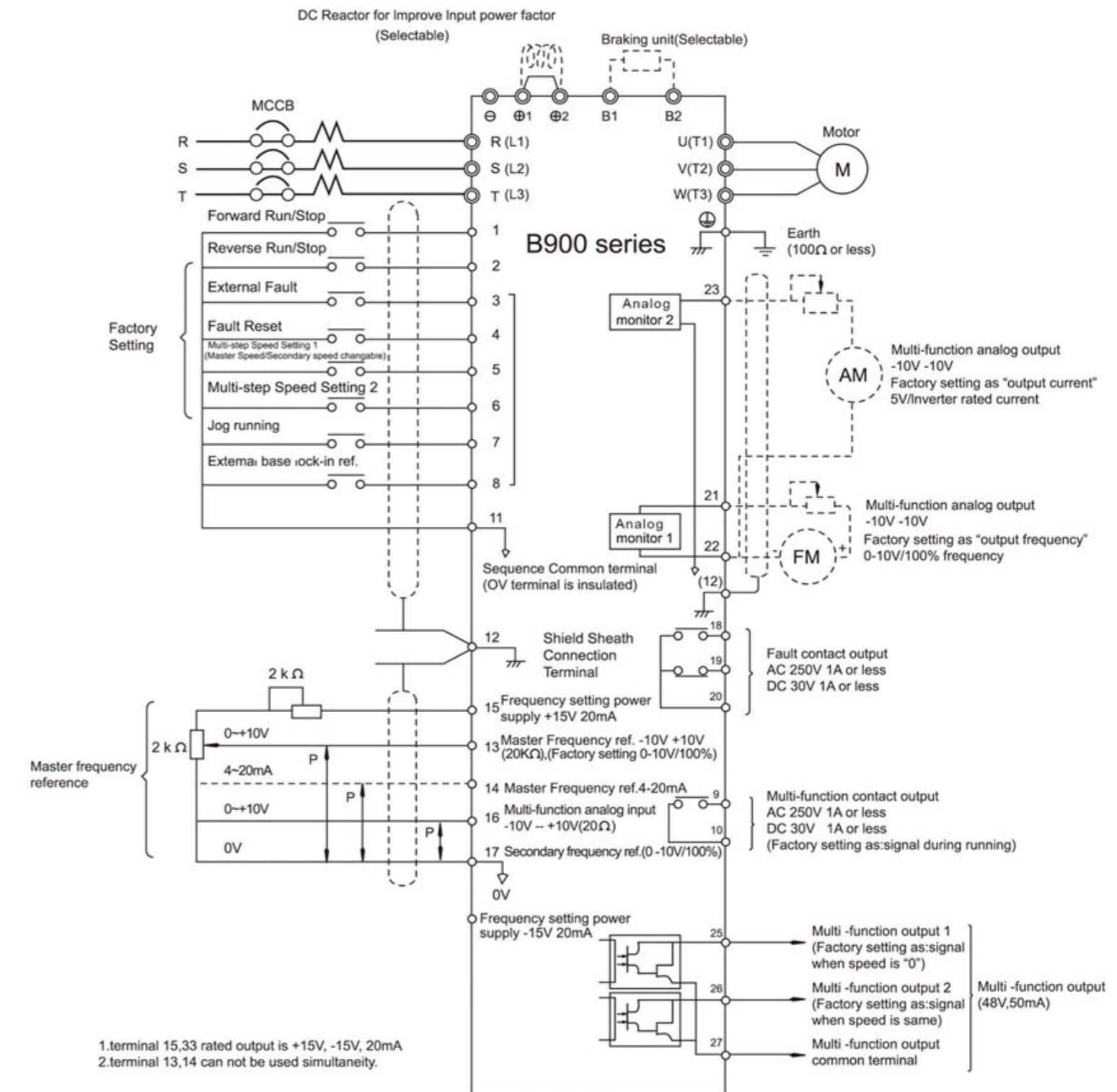
Model No.	W	W1	H	H1	H2	D	D1	D2	d	Remark
B900-4002/1.5KW	139	114	278	262	-	181	125	-	6	wall mount Plastic case
B900-4003/2.2KW										
B900-4005/3.7KW										
B900-4007/5.5KW										
B900-4010/7.5KW	229	204	298	284	-	227	143	-	6	wall mount Plastic case
B900-4015/11KW										
B900-4020/15KW										
B900-4025/18.5KW	297	270	450	432	-	253	263	-	6	wall mount Plastic case
B900-4030/22KW										
B900-4040/30KW										
B900-4020/15KW	200	140	345	330	300	190	205	110	7	wall mount metal case
B900-4025/18.5KW										
B900-4030/22KW										
B900-4040/30KW										
B900-4050/37KW	340	200	530	510	480	240	255	190	10	
B900-4060/45KW										
B900-4075/55KW										
B900-4100/75KW	400	240	610	590	550	280	295	230	12	
B900-4125/90KW										
B900-4150/110KW										
B900-4175/132KW	500	400	770	740	700	345	360	210	12	
B900-4215/160KW										
B900-4250/185KW										
B900-4275/200KW										

B900 series exterior dimension:



B900 Series

standard connection diagram:



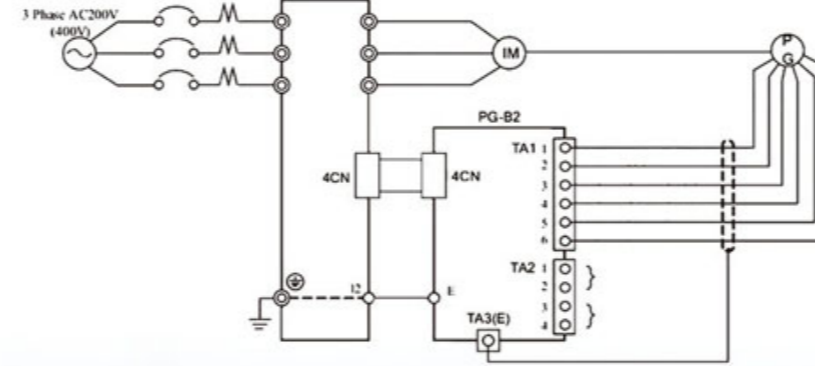
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تهران، میدان فاطمی، خیابان جویبار، خیابان میرهادی شرقی، پلاک ۸، واحد ۱۷، تلفن: ۸۸۹۲۸۱۲۹ - ۸۸۹۲۷۸۷۲

Specification:

B900 Series Max. Applicable motor output (kw)	1.5	3.7	7.5	15	22	37	55	93	132	185	220	280	355	
Output Characteristics	Rated output current (A)	4.0	9.6	17	32	45	75	110	180	260	350	420	530	660
	Max. output voltage (V)	3phase 380V/400V/415V/440V/480V (Proportional to input voltage)												
Power Supply	Max. output Frequency (HZ)	upto 400HZ available by programing												
	Rated Input Voltage and fre.	3-Phase,380V/400V/440V/480V 50/60Hz												
Control characteristics	Allowable voltage flu.	+10%,-15%												
	Allowable frequency flu.	±5%												
Protection Functions	control method	Sine wave PWM												
	Starting Torque	150%/1Hz(150%/or/min with PG)												
	Speed Control Range	1:100(1:1000 with PG)												
	Speed control Accuracy	±0.2%(0.02% with PG)												
	Speed Response	5Hz(30Hz with PG)												
	Torque Limit	Available(Parameter setting,4steps can be changed)												
	Torque Accuracy	±5%												
	Torque Response	20Hz(40Hz with PG)												
	Frequency Control Range	0.1 to 400Hz												
	Frequency Accuracy	Digital command:0.01%(-10°C to +40°C) Analog command: 0.1%(25°C ± 10°C)												
	Frequency Resolution	Digital operator reference: ±0.01Hz Analog reference:0.03Hz/60Hz (11 bit +code)												
	Output Frequency Res.	0.01Hz												
	Overload Capacity	150% of rated output current for minute ,180% of rated output current for 2 seconds, 200% of rated output current for 0.5 second												
	Fre.Setting Signal	-10V to 10V,0 to10V,4 to 20 mA												
	Accel/Decel Time	0.01 to 6000.0 sec(Accel/decad time setting independently,4 steps available)												
Braking Torque	Approx.20%													
Environment	Motor Overload Protection	Protected by electronic thermal overload relay												
	Instantaneous Overcurrent	Motor coasts to a stop at approx.200% of inverter rated current.												
	Blown Fuse Protection	Motor coasts to a stop at stop by blown-fuse.												
	Overload	Motor coasts to a stop after 1 minute at150 of rated output current.(2minutes at 150% is customized)												
	Overvoltage	Motor coasts to a stop if coverter output voltage exceeds 820V												
	Undervoltage	Motor coasts to a stop if coverter output voltage drops to 380V or below.												
	Momentary Power Loss	Immediately stop by 15 ms and above momentary power loss.(Fractory setting) Continuous operation during power loss less than 2sec is equipped as standard.												
	Heatsink Overheat	Protected by thermistor												
	Stall Prevention	Stall prevention during accel/decad and constant speed operation												
	Ground Fault	Protected by electronic circuit(Overcurrent level)												
Power Charge Indication	Charge LED stays ON until busvoltage drops below 50V													
Environment	Ambient Temperature	-10°C to 40°C (Enclosed wall-mounted type); -10°C to 45°C (Open chassis type)												
	Humidity	90%RH or less												
	Storage Temperature	-20°C to +60°C												
	Location	Indoor (Protected from corrosive gases and dust)												
	Elevation	1000m or less												
Vibration	9.81m/s ² (1G)less than 20Hz ,up to 1.96m/s ² (0.2G) at 20 to 5 Hz													

PG Speed Control Card



PG-B2 (For Vector Control with PG mode only)

- Shielded twisted-pair wires must be used for signal lines
- Do not use the pulse generator's power supply for anything other than the pulse generator(encoder). Using it for another purpose can cause malfunctions due to noise!
- The length of the pulse generator's wiring must not be more than 100 meters.
- The direction of the rotation of the PG can be set in user constant F1-05.The factory present if for forward rotation, A-phase advancement.

适用行业 Applications:

Paper process, Rolling machine, lift equipment ,scrolling equipment,elevator, Crane and convey machine, Metal machine tools, food process, big inertia loading machine and other applications. It's available for all kind of machines.

功率范围 Power Range:

3phase 220-240V	2HP-250HP (1.5kW-185kW)
3phase 380-440V	2HP-1200HP (1.5kW-1000kW)
Medium voltage 690V/1140V	25HP-1200HP(18.5kW-1000kW)

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B900 SERIES CURRENT VECTOR FREQUENCY INVERTER

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Our B900 series main features as below:

- [32bit DSP microprocessor configuration
- [Magnetic field oriented flux vector control
- [Auto-tune ability
- [Available for speed-type servo controller while PG feedback added
- [RS-232/RS-485 serial communication port
- [Capacities from 1HP - 1200HP
- [Optional DC reactor available (for reducing harmonic interference from the power supply)
- [Multi-language large screen LCD displays the drive status in six languages and a parameter copy mode function.English, Chinese, Russian, German, French ,Spanish
- [Four control methods are included:
 - Standard V/F control
 - V/F control with PG feedback
 - Sensorless flux vector control
 - Flux vector current control with PG feedback
- [Accel./Decel. pause (Dwell) and droop control functions
- [Motor parameter auto-tuning
- [Starting torque: 150% rated torque at 0Hz
- [Speed control precision ±0.02% with PG, and ±0.2% without PG
- [Frequency control precision ±0.01%
- [Simple AC servo functions