

```
the real world back the deactivated mirror modifier object  
1  
2  
objects.active == modifier.ob  
setr(modifier.ob) // modifier.ob is the active ob  
225 // 0  
[selected_objects[0]  
[modifiers].select(0)  
select exactly two objects, the last one gets the modifier unless its not a valid  
// active  
or):  
to the selected object  
_mirror_x"
```

BROOK CROMPTON

a WOLONG company



WD 200 Series universal frequency converter (0.75-1000kW)

WD200 series Universal frequency converter(0.75-1000kW)



Wolong Electric Drive Group
Co., LTD. WOLONG ELECTRIC
GROUP CO.

WOLONG ELECTRIC DRIVE GROUP CO., LTD.

www.wolong.com.cn

If you need to consult the relevant content of the sample,
please pay attention to the official weilong electric drive

**BROOK
CROMP
TON**

a WOLONG company

enterprise profile

Founded in 1984 and headquartered in Shaoxing, Zhejiang province, Wolong is a global leading industrial enterprise committed to providing global users with safe, efficient, intelligent and green electric drive system solutions and full life cycle service solutions.

Wolong established Chinas first demonstration platform for motor material applications, utilizing new technologies such as permanent magnets, nanotechnology, and silicon carbide to achieve the highest standards of power density and energy efficiency in Chinas motors and generators. Over more than 30 years of development, the company has grown into one of the worlds top three manufacturers and distributors of motors and drive systems. Wolong is committed to leading corporate development through technological innovation, actively promoting digital transformation, developing efficient electric drive system solutions for the industry, and building an industrial brain centered on full lifecycle management of electric drives, leading industry transformation.

Five of the

Global Central Research Institute (Shanghai) | US R&D Center
Japan R & D center | India R & D center | Germany R & D center

There are 3 global operation

Asia (China, Viet Nam) America (Mexico)
Europe (UK, Germany, Austria, Italy, Poland, Serbia)



Regional
manufacturing



**Shangyu
headquarters**

Household electric
machines, new energy
vehicles
Machine, industrial
motor, vibration motor
class

(
Me
CO

**R&d center 9
manufacturing
plant**

0 Global Sales
Headquarters

▲ Theater
headquarters and
BCH headquarters

▲ Sales and
service network

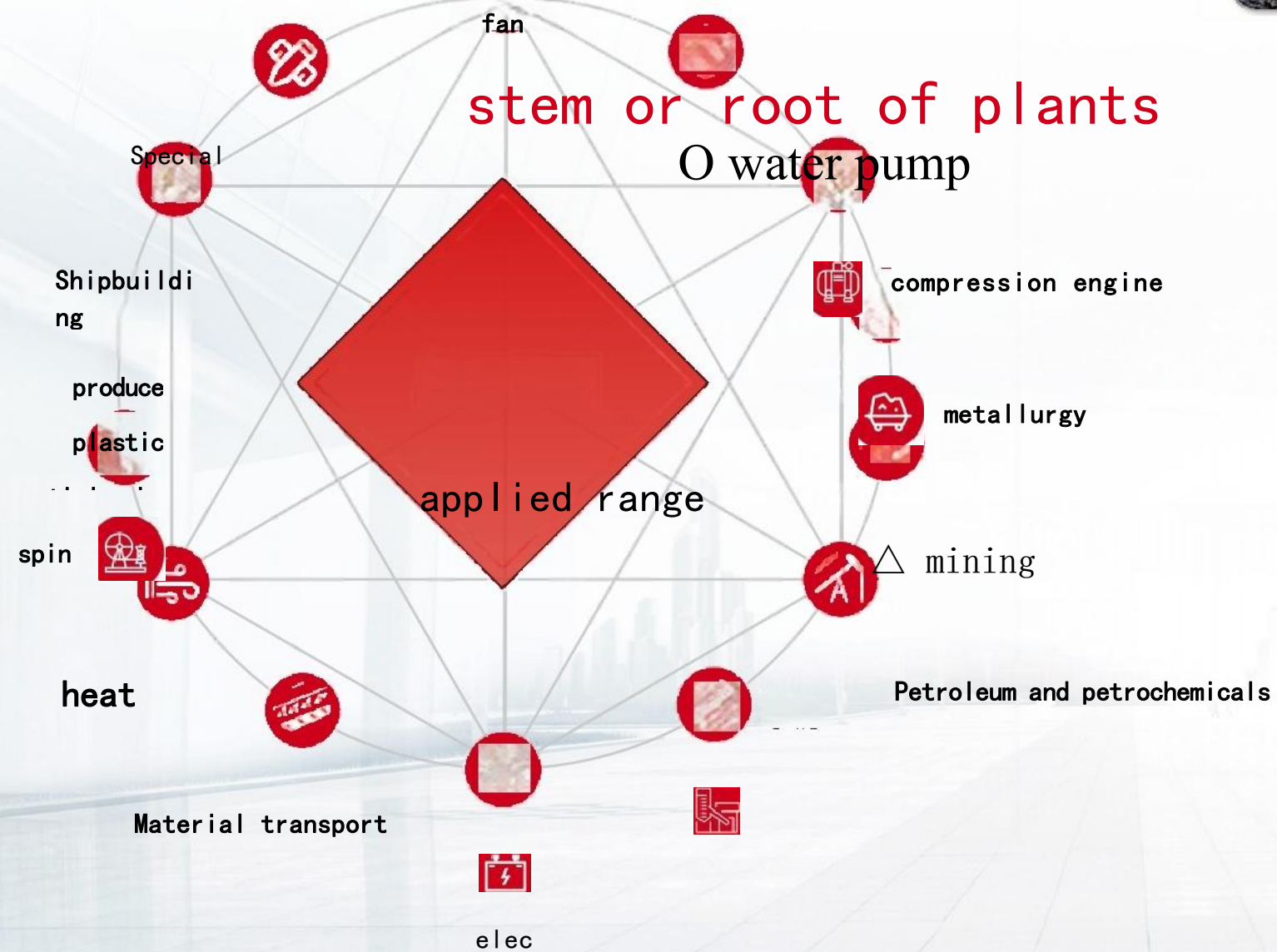


Product overview



WD200 series is a new generation of WOLONG general-purpose inverter, which adopts advanced motor control algorithm and is highly matched with WOLONG motors. It supports the control of AC asynchronous motors and permanent magnet synchronous motors, and has the characteristics of high reliability, high performance, strong expansion ability, support for multiple transmission, easy cabinet assembly, etc.

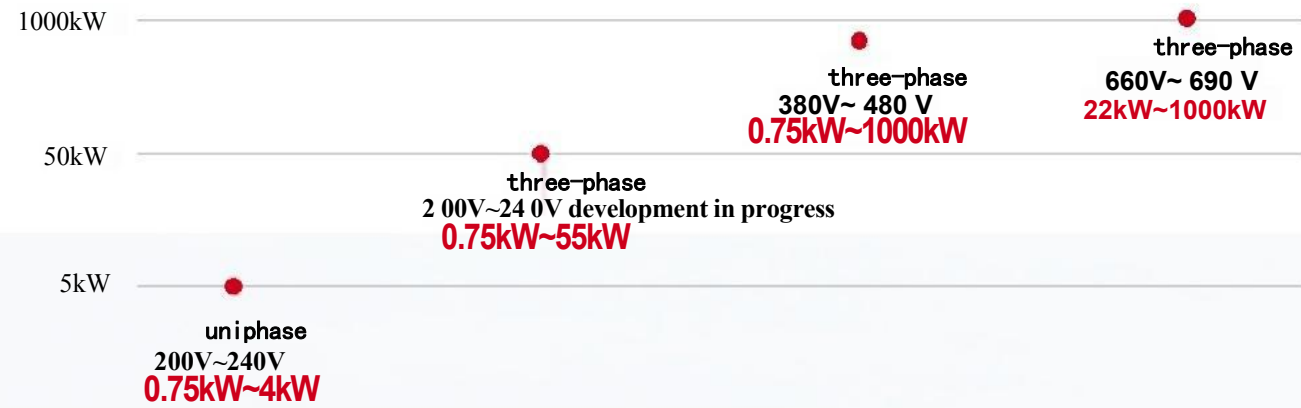
Typical



Product features

Comprehensive and universal product range

The WD 200 series inverter covers a range of 0.75 kW to 1000 kW power products and can use four types of power:



The whole series adopts narrow body design, so that the cabinet is more flexible

Save cabinet space and reduce cost; according to different models, support a variety of installation methods:

Guide rail installation

Wall-mounted

Flange installation

Floor-mounted installation
220kW to 1000 kW

The WD200 series inverter matches two different power motors with a single model

Users can select according to load conditions:

Light load (Type P): Suitable for applications with small overload (up to 120% of the maximum), where the motor power is less than or equal to the standard load power of the inverter.

Heavy load (G type): Suitable for applications with large overload (up to 150% of the maximum), where the motor power is less than or equal to the heavy load power of the inverter.

function

Synchronous and asynchronous drive integrated design

Support open and closed loop control, speed/torque control functions, suitable for a variety of industrial applications

The control panel supports parameter storage and upload and

Supports mainstream industrial communication protocols
(PROFIBUS-DP, PROFINET, CANopen, Modbus)

Supports multi-drive

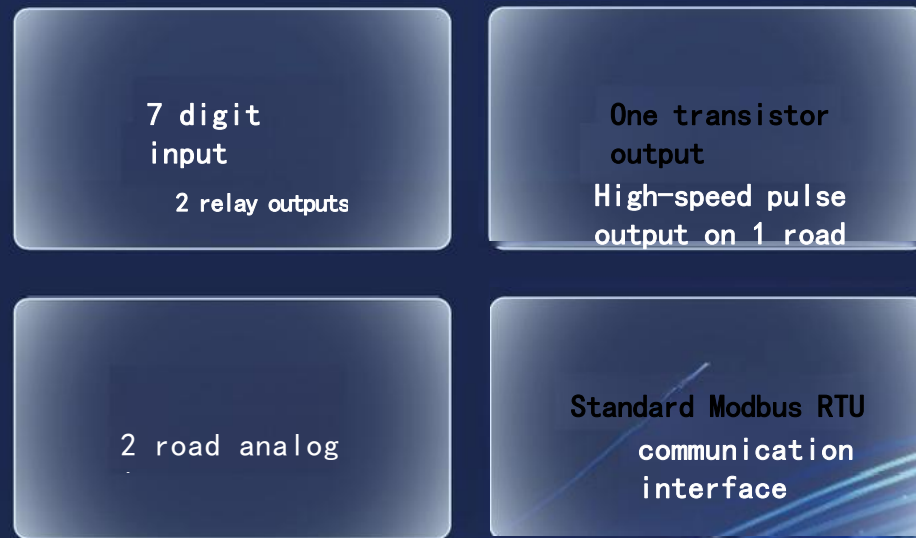
Support PID closed loop, master and slave control, droop control, simple PLC, multi-segment speed



More options are coming soon, stay tuned!

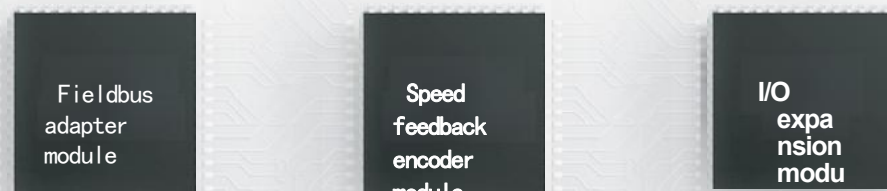


Terminal interface



extended function

Dual expansion card slot design, can meet a variety

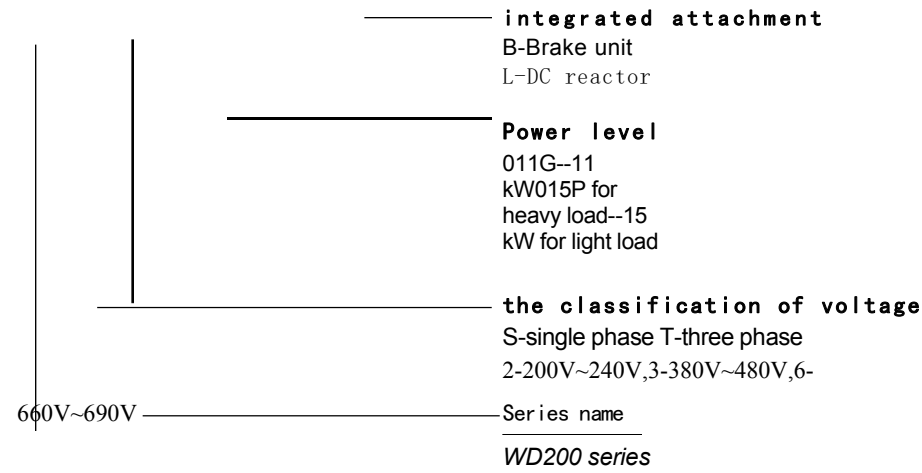


technical parameter

project	standard
Supply voltage and power range	Single phase 200V~240V-10%~10% Three phases 200V~240V-10%~10% Three phases 380V~480V-15%~10% Three phases 660V~690V -10%~10%0.75- 1000kw
Power supply frequency	50/60Hz±5%
Motor type	Three phase asynchronous motor (IM), permanent magnet synchronous motor (PMSM)
control model	V/F, open-loop vector (SVC), closed-loop vector (FVC), frequency separation
Speed range	1:200 (SVC) 1:1000 (FVC)
Steady speed accuracy	IM: ±0.5%/PMSM: ±0.1% (SVC) ±0.02% (FVC)
Torque control accuracy	IM: ±10%/PMSM: ±5% (SVC) IM: ±5%/PMSM: ±2.5% (FVC)
pull-in torque	0.5Hz150% (SVC) 0.0Hz200% (FVC)
overload capacity	G-heavy load: 150% rated current 60sP- light load: 120% rated current 60s
Output frequency range	0-600Hz
analog input	Route 2: AI1 (0-10V/4-20 mA), AI2 (0-10V/4-20 mA)
analog output	2 routes: AO1 (0-10V/4-20 mA), AO2 (0-10V/4-20 mA) (1 AO output for models with rack size 5 and below)
digital input	7 programmable digital inputs, maximum input frequency 1 kHz, internal impedance 4.4kΩ (5 digital inputs for rack size 5 and below)
numeric output	One circuit is open-circuit programmable logic output, the maximum current of internal power supply is 1.2mA, and the maximum current of external power supply is 200 mA. One high-speed pulse output can reach up to 100kHz
relay output	2nd programmable relay output: TA1/NO1 normally open contact, TB1/NC1 normally closed contact, TC1/CM1 common terminal TB2/ NO2 normally open contact, TC2/ CM2 common terminal (1 relay output for models with rack size 5 and below)
communication interface	ModbusRTU Communications: A+/B-/485G
Expand the interface	Two expansion interfaces: EX-A and EX-B Scalable: I/O expansion module, speed feedback encoder module, communication module, etc
Optional modules	LCD Chinese panel
Fieldbus adapter module	PROFIBUS-DP, PROFINET, C AOpen
I/O expansion module	4 digital inputs (including 1 high-speed input), 1 digital output, 1 analog output, 1 relay output, 1 Road temperature input (PT100/ PT 1000)
Speed feedback module	Incremental encoder module, rotary encoder module, sine and cosine encoder module
Chinese control panel	All are optional
Brake unit	0.75-22kW standard built-in brake unit 30-160kW optional built-in brake unit above 160kW optional external brake

	unit
DC reactor	A built-in DC reactor can be selected for 30kW (inclusive) or more
major function	Asynchronous or permanent magnet synchronous motor control, V/F or vector control, open loop/closed loop control, Speed control, torque control, PID control, multi-speed function, simple PLC function, swing frequency control, Counting and timing function, speed tracking start, power failure restart function, etc.
way to install	Railway installation, wall mounting, flange installation, floor mounting
cooling-down method	air blast cooling
levels of protection	IP20
working temperature	-10°C~+50°C, >40°C need to reduce capacity
Storage temperature	-30°C~+60°C
meet a criterion	IEC61800-5-1, GB12668
harmonic suppression	Meet IEC61800-2 requirements

WD200-T3-011G/015P -B



load P: Light load			s output In		1.5 In (heavy load) 60S							
	kW	HP	A	A	A	mm	mm	mm	mm	mm	mm	
G	0.75	1	4.6	4	6	WD200-T2-R75G-B	80	155	200	65	190	3-05
G	1.5	2	9	7	10.5	WD200-T2-1R5G-B	80	155	200	65	190	3-05
G	2.2	3	11.4	10	15	WD200-T2-2R2G-B	100	155	242	84	232	4-05
G	4	5	16.7	16	24	WD200-T2-004G-B	100	155	242	84	232	4-05
G	5.5	7.5	32.2	20	30	WD200-T2-5R5G-B	116	175	320	98	308	4-06
G	7.5	10	41.3	30	45	WD200-T2-7R5G-B	142	225	383	120	372	4-06
G	11	15	59	42	63	WD200-T2-011G-D	142	225	383	120	372	4-06
G	15	20	57	55	82.5	WD200-T2-015G-B	170	225	430	150	416	4-06.5
G	18.5	25	69	70	105	WD200-T2-018G-B	170	225	430	150	416	4-06.5
G	22	30	89	80	120	WD200-T2-022G-B	170	225	430	150	416	4-06.5
G	30	40	106	110	165	WD200-T2-030G	240	310	560	176	545	4-07
G	37	50	139	130	195	WD200-T2-037G	240	310	560	176	545	4-07
G	45	60	164	160	240	WD200-T2-045G	240	310	560	176	545	4-07
G	55	75	196	200	300	WD200-T2-055G	270	350	638	195	615	4-010

Power supply voltage: single phase 200V~240V50/60 Hz

G: Heavy load P: Light load	any power-generating or power-driven machine		Power supply (input)	Frequency converter (output)		model	outline dimension					installat ion size
	power rating	line current	Maximum continuous output current In	Maximum instantaneous current 1.5 in (loaded) 60S		W1	D1	H1	W2	H2	apertu re	
	kW	HP	A	A	A	mm	mm	mm	mm	mm	mm	
G	0.75	1	8.2	4	6	WD200-S2-R75G-B	80	155	200	65	190	3-05
G	1.5	2	14	7	10.5	WD200-S2-1R5G-B	80	155	200	65	190	3-05
G	2.2	3	20	10	15	WD200-S2-2R2G-B	100	155	242	84	232	4-05
G	4	5	32	16	24	WD200-S2-004G-B	100	155	242	84	232	4-05

Power supply voltage: three-phase 200V~240V50/60 Hz

G: Heavy	any power-generating or power-driven machine		Power supply (input)	Frequency converter (output)		model	outline dimension					installat ion size
	power rating	line current	maximum-continuou	Maximum instantaneous current		W1	D1	H1	W2	H2	apertur e	

Power supply voltage: three-phase 380V~480V50/60 Hz

any power-generating or power-driven machine		source (import)	Frequency converter (output)				model	outline dimension			installation size		
			Maximum continuous output In	Maximum instantaneous electricity stream 1.5In (Heavy load) 60S	Maximum instantaneous electricity stream 1.2In (Light load) 60S			W1	D1	H1	W2	H2	aperture
G: Heavy load	P: Light load	power rating	circuit current	A	A	A		mm	mm	mm	mm	mm	mm
G		0.75	1	3.5	3	4.5	WD200-T3-R75G-B	80	155	200	65	190	3-05
P		1.5	2	5	4	-							
G		1.5	2	5	4	6							
P		2.2	3	5.8	6	7.2	WD200-T3-1R5G-B	80	155	200	65	190	3-05
G		2.2	3	5.8	6	9							
P		-	-	-	-	-	WD200-T3-2R2G-B	80	155	200	65	190	3-05
G		4	5	11	10	15							
P		5.5	7.5	15	13	15.6	WD200-T3-004G/5R5P-B	100	155	242	84	232	4-05
G		5.5	7.5	15	13	19.5							
P		7.5	10	20	17	20.4	WD200-T3-5R5G/7R5P-B	100	155	242	84	232	4-05
G		7.5	10	20	17	25.5							
P		11	15	26	25	30	WD200-T3-7R5G/011P-B	116	175	320	98	308	4-06
G		11	15	26	25	37.5							
P		15	20	35	32	38.4	WD200-T3-011G/015P-B	116	175	320	98	308	4-06
G		15	20	35	32	48							
P		18.5	25	39	38	45.6	WD200-T3-015G/018P-B	142	225	383	120	372	4-06
G		18.5	25	39	38	57							
P		22	30	46	45	54	WD200-T3-018G/022P-B	142	225	383	120	372	4-06
G		22	30	46	45	67.5							
P		30	40	62	60	72	WD200-T3-022G/030P-B	142	225	383	120	372	4-06
G		30	40	62	60	90							
P		37	50	76	75	90	WD200-T3-030G/037P	170	225	430	150	416	4-06.5
G		37	50	76	75	112.5							
P		45	60	90	90	108	WD200-T3-037G/045P	170	225	430	150	416	4-06.5
G		45	60	90	90	135							
P		55	75	105	110	132	WD200-T3-045G/055P	240	310	560	176	545	4-07
G		55	75	105	110	165							
P		75	100	140	150	180	WD200-T3-055G/075P	240	310	560	176	545	4-07
G		75	100	140	150	225							
P		90	125	160	180	216	WD200-T3-075G/090P	240	310	560	176	545	4-07
G		90	125	160	180	270							
P		110	150	210	210	252	WD200-T3-090G/110P	270	350	638	195	615	4-010
G		110	150	210	210	315							
P		132	200	240	250	300	WD200-T3-110G/132P	270	350	638	195	615	4-010
G		132	200	240	250	375							
P		160	250	290	310	372	WD200-T3-132G/160P	350	390	735	220	715	4-010
G		160	250	290	310	465							
P		185	-	330	340	408	WD200-T3-160G/185P	350	390	735	220	715	4-010
G		185	-	330	340	510							
P		200	275	370	380	456	WD200-T3-185G/200P	360	485	942	200	890	4-012
G		200	275	370	380	570							
P		220	300	410	415	498	WD200-T3-200G/220P	360	485	942	200	890	4-012
G		220	300	410	415	622.5							
P		250	340	460	470	564	WD200-T3-220G/250P	360	485	942	200	890	4-012
G		250	340	460	470	705							
P		280	380	500	510	612	WD200-T3-250G/280P	370	545	1127	200	1075	4-020
G		280	380	500	510	765							
P		315	430	580	600	720	WD200-T3-280G/315P	370	545	1127	200	1075	4-020
G		315	430	580	600	900							
P		355	485	620	670	804	WD200-T3-315G/355P	400	545	1212	240	1147	4-020
G		355	485	620	670	1005							
P		400	545	670	750	900	WD200-T3-355G/400P	400	545	1212	240	1147	4-020
G		400	545	670	750	1125							
P		450	600	780	800	960	WD200-T3-400G/450P	400	545	1212	240	1147	4-020
G		450	600	780	800	1200							
P		500	675	835	860	1032	WD200-T3-450G/500P	460	545	1400	300	1340	4-020
G		500	675	835	860	1290							
P		560	750	920	990	1188	WD200-T3-500G/560P	460	545	1400	300	1340	4-020
G		560	750	920	990	1485							
P		630	850	1050	1100	1320	WD200-T3-560G/630P	460	545	1400	300	1340	4-020

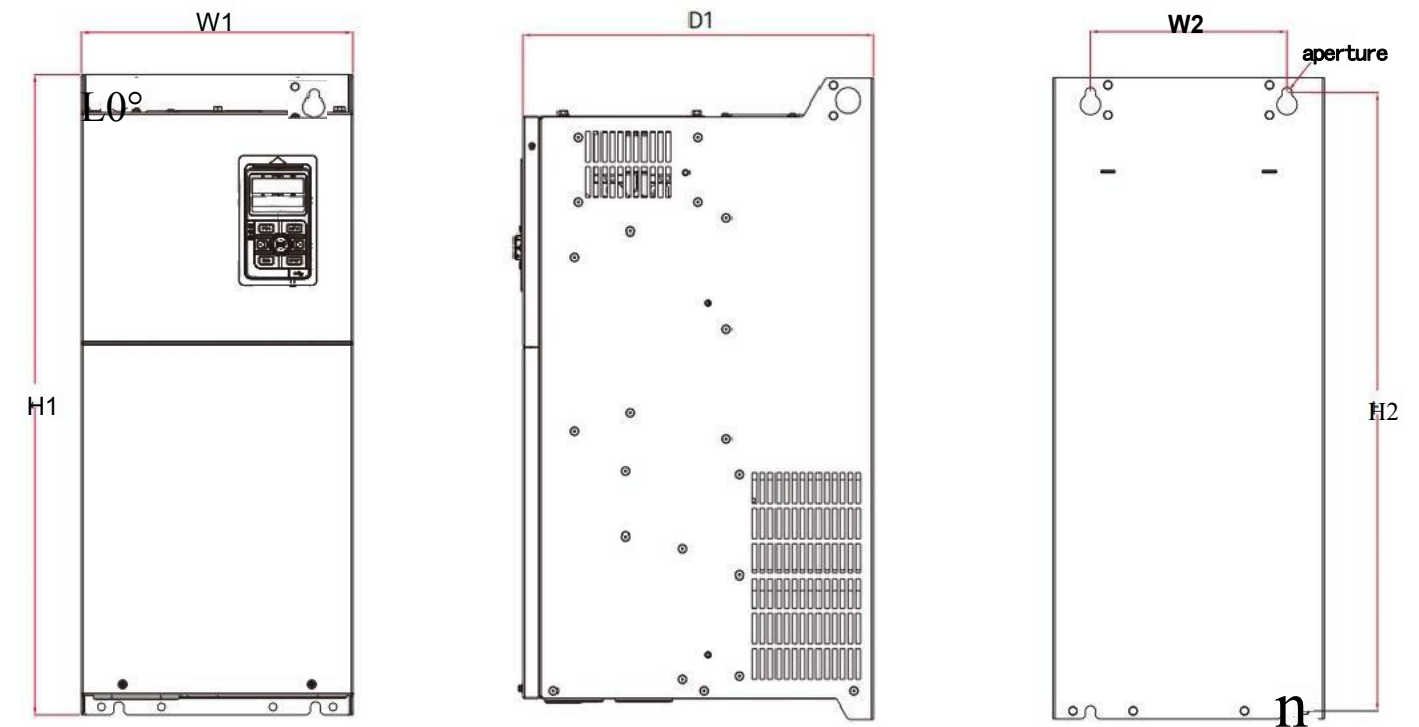
G	630	850	1050	1200	1800		WD200-T3-630G/710P	825	635	1920	600	560	4-014
P	710	950	1301	1340		1608							
G	710	950	1301	1340	2010								
P	800	1080	1466	1500		1800	WD200-T3-710G/800P	825	635	1920	600	560	4-014
G	800	1080	1466	1500	2250								
P	900	1215	1649	1620		1944	WD200-T3-800G/900P	1200	800	2200	520	494	10-014
G	900	1215	1649	1620	2430								
P	1000	1350	1832	1720		2064	WD200-T3-900G/1000P	1200	800	2200	520	494	10-014
G	1000	1350	1832	1720	2580		WD200-T3-1000G	1200	800	2200	520	494	10-014

WD200-T3-630G/710P and above models are cabinet frequency converters, and the installation size is the cabinet base opening size

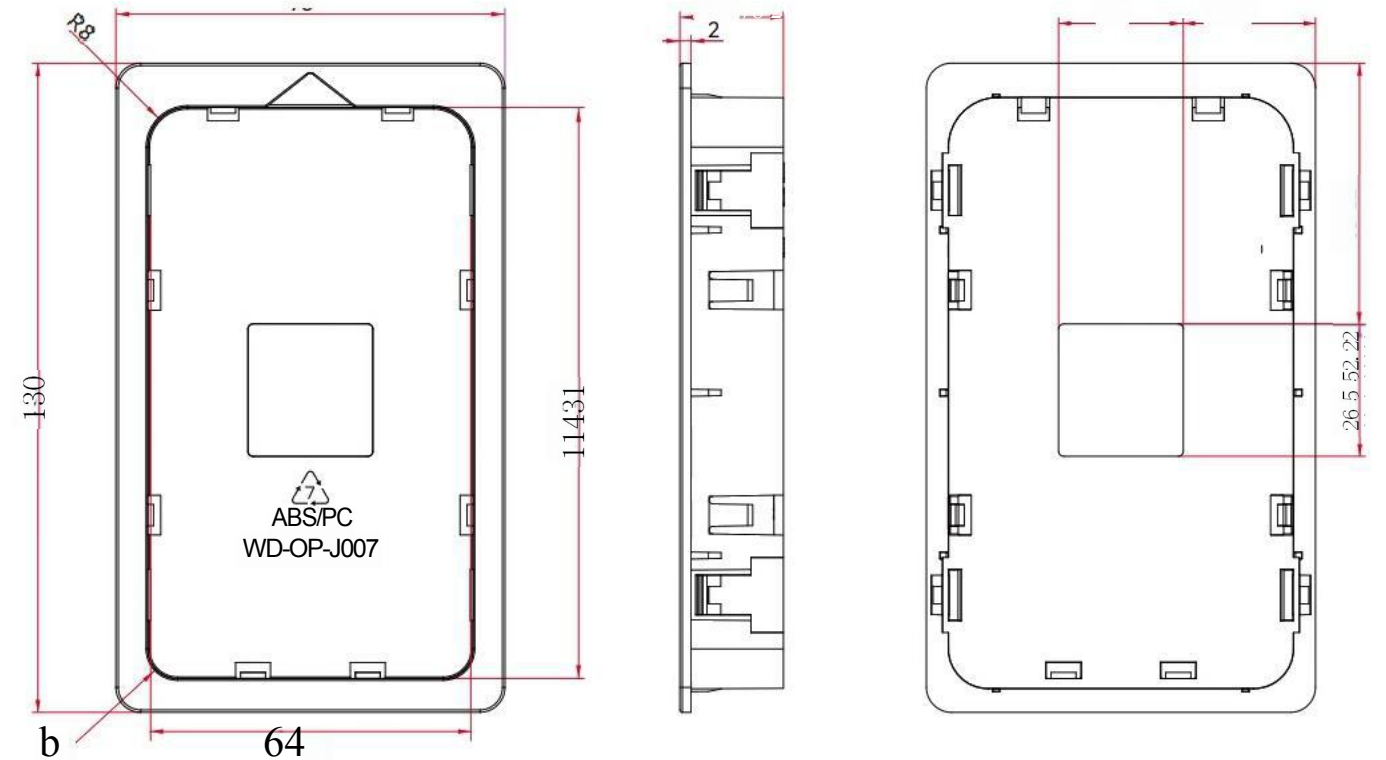
Power supply voltage: three-phase 660V~690V50/60 Hz

	power rating		line current	A	A	A	A		W1	D1	H1	W2	H2	aperture
	kW	HP												
G	22	30	40	28	42	-		WD200-T6-022G/030P	240	310	560	176	545	4-07
P	30	40	47	35	-	42								
G	30	40	47	35	52.5	-		WD200-T6-030G/037P	240	310	560	176	545	4-07
P	37	50	55	45	-	54								
G	37	50	55	45	67.5	-		WD200-T6-037G/045P	240	310	560	176	545	4-07
P	45	60	65	52	-	62								
G	45	60	65	52	78	-		WD200-T6-045G/055P	240	310	560	176	545	4-07
P	55	75	85	63	-	76								
G	55	75	85	63	94.5	-		WD200-T6-055G/075P	240	310	560	176	545	4-07
P	75	100	95	86	-	103								
G	75	100	95	86	129	-		WD200-T6-075G/090P	240	310	560	176	545	4-07
P	90	125	100	98	-	118								
G	90	125	100	98	147	-		WD200-T6-090G/110P	270	350	638	195	615	4-010
P	110	150	118	121	-	145								
G	110	150	118	121	181.5	-		WD200-T6-110G/132P	270	350	638	195	615	4-010
P	132	200	145	150	-	180								
G	132	200	145	150	225	-		WD200-T6-132G/160P	350	390	735	220	715	4-010
P	160	250	165	175	-	210								
G	160	250	165	175	262.5	-		WD200-T6-160G/185P	350	390	735	220	715	4-010
P	185	-	190	198	-	238								
G	185	-	190	198	297	-		WD200-T6-185G/200P	360	485	942	200	890	4-012
P	200	275	210	218	-	262								
G	200	275	210	218	327	-		WD200-T6-200G/220P	360	485	942	200	890	4-012
P	220	300	230	235	-	282								
G	220	300	230	235	352.5	-		WD200-T6-220G/250P	360	485	942	200	890	4-012
P	250	340	255	270	-	324								
G	250	340	255	270	405	-		WD200-T6-250G/280P	370	545	1127	200	1075	4-020
P	280	380	290	330	-	396								
G	280	380	290	330	495	-		WD200-T6-280G/315P	370	545	1127	200	1075	4-020
P	315	430	340	345	-	414								
G	315	430	340	345	517.5	-		WD200-T6-315G/355P	400	545	1212	240	1147	4-020
P	355	485	380	380	-	456								
G	355	485	380	380	570	-		WD200-T6-355G/400P	400	545	1212	240	1147	4-020
P	400	545	410	430	-	516								
G	400	545	410	430	645	-		WD200-T6-400G/450P	400	545	1212	240	1147	4-020
P	450	600	460	466	-	559								
G	450	600	460	466	699	-		WD200-T6-450G/500P	460	545	1400	300	1340	4-020
P	500	675	520	540	-	648								
G	500	675	520	540	810	-		WD200-T6-500G/560P	460	545	1400	300	1340	4-020
P	560	750	580	600	-	720								
G	560	750	580	600	900	-		WD200-T6-560G/630P	460	545	1400	300	1340	4-020
P	630	850	660	690	-	828								
G	630	850	660	690	1035	-		WD200-T6-630G/710P	825	635	1920	600	560	4-014
P	710	950	730	760	-	912								
G	710	950	730	760	1140	-		WD200-T6-710G/800P	825	635	1920	600	560	4-014
P	800	1080	807	860	-	1032								
G	800	1080	807	860	1290	-		WD200-T6-800G/900P	1200	800	2200	520	494	0-014
P	900	1215	908	932	-	1118								
G	900	1215	908	932	1398	-		WD200-T6-900G/1000P	1200	800	2200	520	494	10-014
P	1000	1350	1009	1040	-	1248								
G	1000	1350	1009	1040	1560	-		WD200-T6-1000G	1200					

Schematic diagram of the shape



The size of the hole in the keyboard base

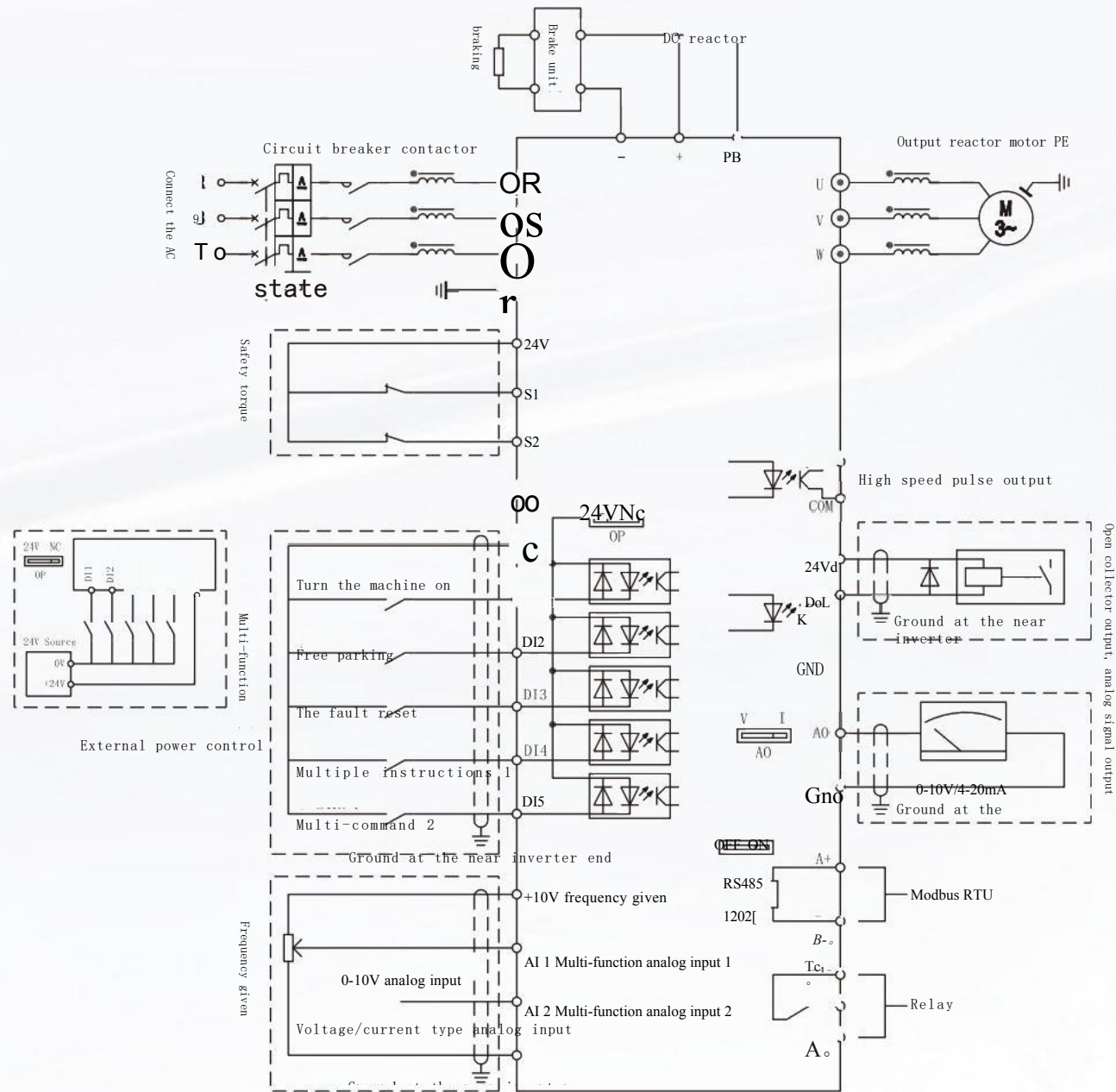


Note: The LCD and digital tube screen base size is the same

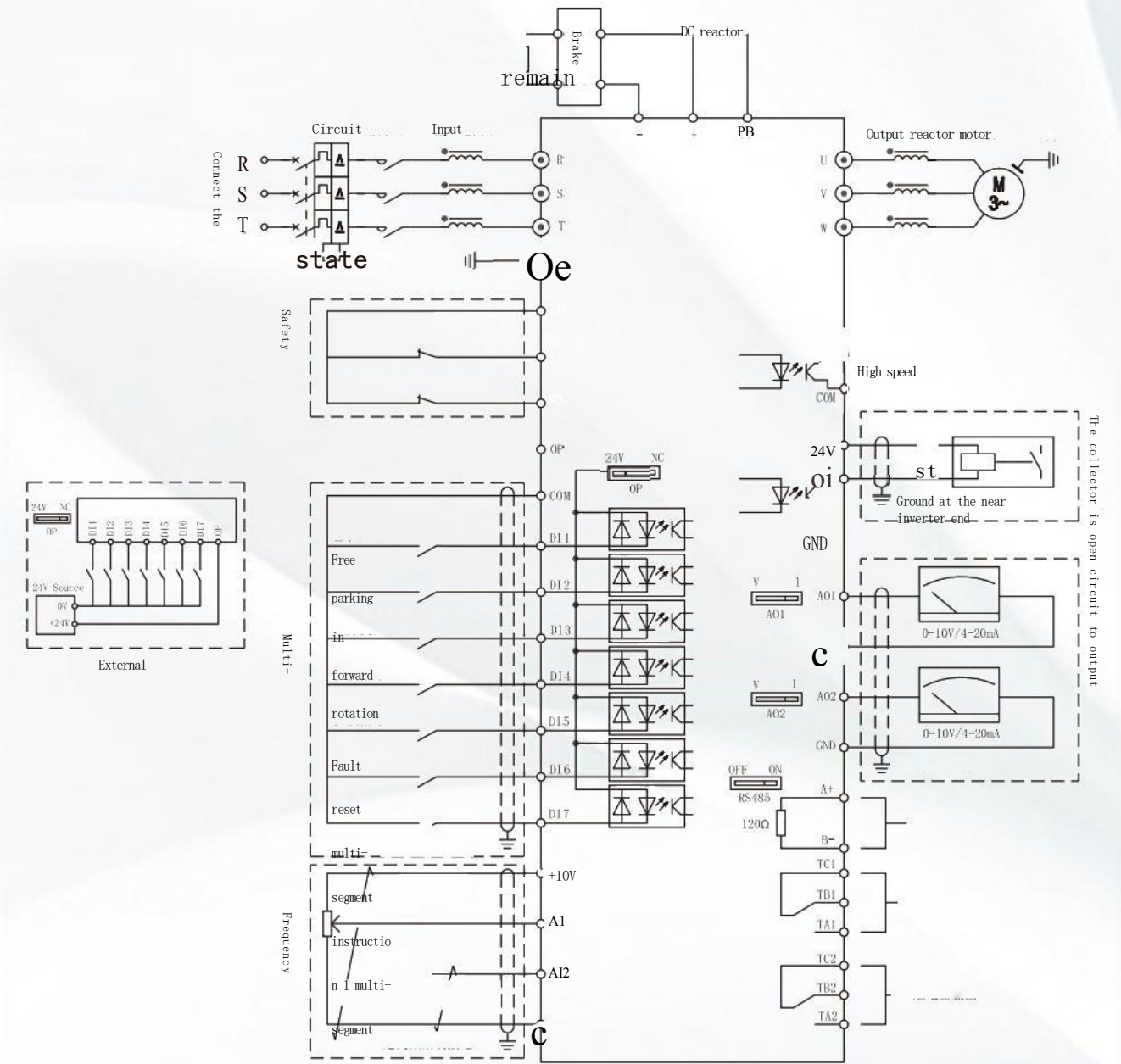
WD200-T6-630G/710P and above models are cabinet frequency converters, and the installation size is the size of the cabinet base opening

terminal connection diagram

1, 2, 3, 4, 5 rack size electrical wiring diagram



Electrical wiring diagram of rack size 6, 7, 8, 9, 10, 11, 12



Note: The "PB" terminal is not available for the chassis size 9 and above models