



XNW、XNC系列交流同步发电机 Series XNW XNC synchronous generator

XNW、XNC三(单)相交流同步发电机通常与柴油机配套组成柴油发电机组或移动电站、用作供给城镇、车站、工厂、宾馆、及高速公路作照明或动力电源，亦可用作应急电源或备用电源。

The series XNW XNC three or single generators are commonly used combined with diesel engines to the diesel generators. They are also used as moving power stations to supply electricity for towns, bus and railway stations, factories, hotels and high way, etc. In addition they can also be used as power sources, urgent power sources or standby power sources.



产品特点 Features

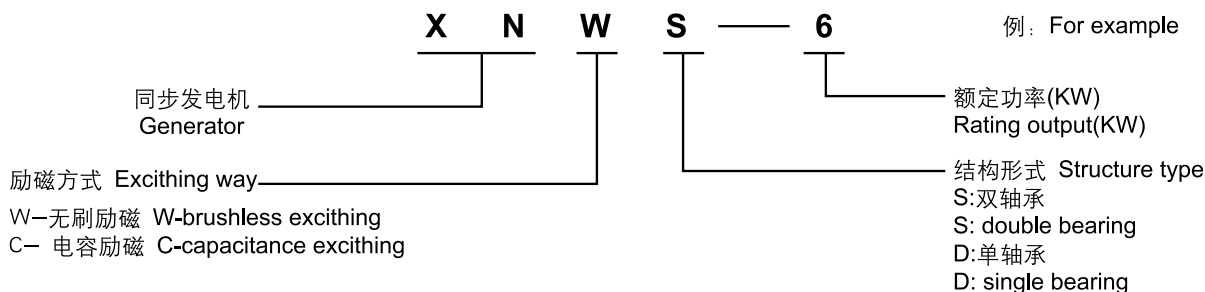
1. 发电机有单相和三相二种型式，单轴承、双轴承二种结构，励磁方式为无刷励磁或电容励磁。

2. 电机采用优质铝材作机壳、端盖。体积小、重量轻，具有温升低、振动小、噪声低的特点。

1. There are two types of three phase and single phase, Two structures of single bearing and double bearings. Their exciting way is brushless exciting or capacitance.

2. Because their frames and covers are made of high quality aluminum alloy and they are small in size, light in weight, low in temperature rise, small in vibration, low in noise. sources, urgent power sources or standby power sources.

型号表示方法 Meaning of symbol



型号 Model	额定功率 Rating Output (kW)	50Hz 1500rpm		60Hz 1800rpm		额定因数 Power factor $\cos \Phi$
		额定电压 Rating Voltage (V)	额定电流 Rating Current (A)	额定电压 Rating Voltage (V)	额定电流 Rating Current (A)	
XNWD-8 XNWS-8	8	400	14.4	440/480	13.1/12.0	0.8
XNWD-10 XNWS-10	10		18.0		16.4/15.0	
XNWD-12 XNWS-12	12		21.7		19.7/18.0	
XNWD-16 XNWS-16	16		28.9		26.4/24.0	
XNWD-20 XNWS-20	20		36.1		32.8/30.1	
XNWD-24 XNWS-24	24		43.3		39.4/36.1	
XNCD-6 XNCS-6	6	230	28.3	120/240	50.0/25.0	1.0
XNCD-6.5 XNCS-6.5	6.5					
XNCD-8 XNCS-8	8	230	26.1	120/240	66.7/33.3	
XNWD-6 XNWS-6	6			120/240		
XNWD-8 XNWS-8	8		34.8		66.7/33.3	
XNWD-10 XNWS-10	10		43.5		83.0/42.0	
XNWD-12 XNWS-12	12		52.2		100.0/50.0	
XNWD-16 XNWS-16	16		69.9		133.0/67.0	
XNWD-18 XNWS-18	18		78.3			
XNWD-20 XNWS-20	20			120/240	167.0/83.0	



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起动电机 Starting dynamo



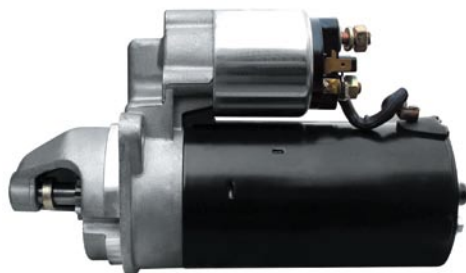
▲ ZT76-414A电机
ZT76-414A MOTOR

额定功率(Rated power): $\geq 0.8\text{KW}$
额定电压(Rated voltage):12V
额定转速(Rated rotate speed): $\geq 10000\text{r/min}$
左旋(Left rotor) 右旋(Right rotor)
配(Parts): 186F、178F、170F 机组(Machine unit)



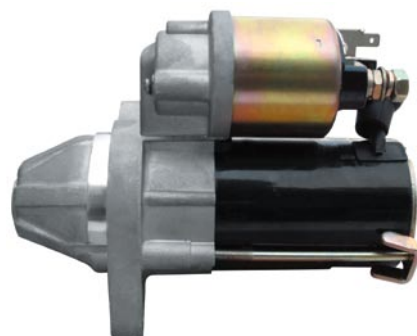
▲ KM12DL500电机
KM12DL500 MOTOR

额定功率(Rated power):1.2KW
额定电压(Rated voltage):12V
空载转速(idle rotate speed): $\geq 3000\text{r/min}$
旋转方向: 左旋(Left rotor)
适用(Be suitable): 187



▲ XN-290电机
XN-290 MOTOR

额定功率(Rated power):1.4KW
额定电压(Rated voltage):12V
空载转速(idle rotate speed): $\geq 6000\text{r/min}$
旋转方向: 左旋(Left rotor)
适用(Be suitable): KM290



▲ ZT76-414C电机
ZT76-414C MOTOR

额定功率(Rated power):1KW
额定电压(Rated voltage):12V
空载转速(idle rotate speed): $\geq 3000\text{r/min}$
旋转方向: 左旋(Left rotor)
适用(Be suitable): 170F、178F、186F



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发电机 Dynamo



▲ 2KW发电机
2KW dynamo

额定功率(Rated power):2KW
额定电压(Rated voltage):115/230V
额定转速(Rated rotate speed):3000r/min
额定频率(Rated frequency):50Hz
有刷/无刷(brush/without brush one)
适用(Be suitable):UP168



▲ 2.5KW发电机
2.5KW dynamo

额定功率(Rated power):2.5KW
额定电压(Rated voltage):115/230V
额定转速(Rated rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 170FG



▲ 3KW发电机
3KW dynamo

额定功率(Rated power):3KW
额定电压(Rated voltage):115/230V
额定转速(Rated rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 178F



▲ 4KW发电机
4KW dynamo

额定功率(Rated power):4KW
额定电压(Rated voltage):115/230V 230/400V
额定转速(Rated rotate speed):3000/3600r/min
额定频率(Rated frequency):50/60Hz
有刷/无刷(brush/without brush one)
适用(Be suitable):186F
相位(phase):单相/三相 One phase/three phase



▲ 5KW发电机
5KW dynamo

额定功率(Rated power):5KW
额定电压(Rated voltage):115/230V
额定转速(Rated rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 186F



▲ 6KW发电机/永磁发电机
6KW dynamo

额定功率(Rated power):6KW
额定电压(Rated voltage):115/230V 240/415V
额定转速(Rated rotate speed):3000/3600r/min
额定频率(Rated frequency):50/60Hz
无刷(without brush one)
相位(phase):单相/三相 One phase/three phase



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发电机 Dynamo



▲ 6KW发电机
6KW dynamo

额定功率(Rated power):6KW
额定电压(Rated voltage):115/230V
空载转速(idle rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 百力通14马力



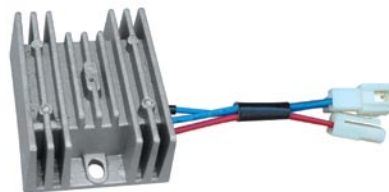
▲ 7KW发电机
7KW dynamo

额定功率(Rated power):7KW
额定电压(Rated voltage):115/230V
空载转速(idle rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 百力通16马力



▲ 飞轮发电机
Flywheel dynamo

额定功率(Rated power): ≥ 0.11 KW
额定电压(Rated voltage):14V



▲ 稳压器
Regulator

额定功率(Rated power): ≥ 0.18 KW
额定电压(Rated voltage):14V

► 数码发电机 Digital generator

额定电压(Rated voltage):420V
空载转速(Idle rotate speed):500-5500 r/min
额定频率(Rated frequency):583Hz
额定功率(Rated power):2.3Kw
控制电压(Control voltage):5V
点火电压(Ignition voltage):52-54V
充电电压(Charging voltage):22-24V





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发电机 Dynamo



▲ 电焊发电二用机

electric welding/electricity generation dual purpose

额定功率(Rated power):1.8KW
额定电压(Rated voltage):230V
额定频率(Rated frequency):50/60Hz
电焊空载电压(electric welding empty voltage):65V
电焊空载电流(electric welding rated currents):180A
有刷(brush)
适用(Be suitable):186F



▲ KTW-6电焊发电二用机

KTW-6 electric welding/electricity generation dual purpose

额定功率(Rated power):5KW
额定电压(Rated voltage):115/230V
额定转速(Rated rotate speed):3000r/min
额定频率(Rated frequency):50Hz
电焊空载电压(electric welding empty voltage):DC60V
电焊空载电流(electric welding rated currents):180A
适用(Be suitable):186F



▲ XTW-300(A)电焊发电机

XTW-300(A) Electric welding generator

额定频率(Rated frequency):50/60Hz/3000/3600 r/min
额定功率(Rated power):3KW
额定电压(Rated voltage):220V
额定电流(Nominal current):13.6(A)
相位(phase):单相 One phase

发电

空载电压(直流)Idle rotate voltage (cocurrent):60V
最大焊接电流(直流)Biggest welding current(cocurrent):300A
工作电压(Working voltage):20-32V
电流调节范围(Electric current regulation band):100-300A
负载持续率(Load continuing leads):60%
励磁方式(Excitation way):自励 one
适用(Be suitable):KM290

电焊



▲ XTD-27电焊发电机

XTD-27 Electric welding generator

额定频率(Rated frequency):50/60Hz/1500/1800 r/min
额定功率(Rated power):3KW
额定电压(Rated voltage):240V
额定电流(Nominal current):12.5(A)
相位(phase):单相 One phase

发电

空载电压(直流)Idle rotate voltage (cocurrent):95V
最大焊接电流(直流)Biggest welding current(cocurrent):540A
工作电压(Working voltage):40-45V
电流调节范围(Electric current regulation band):45-540A
励磁方式(Excitation way):自励 one
适用(Be suitable):道依茨F3L912-D14

电焊



◀ XN-185A6.6电焊发电二用机

XN-185A6.6 electric welding/electricity generation dual purpose

额定功率(Rated power):6.6KW
额定电压(Rated voltage):120/240V
额定转速(Rated rotate speed):3600r/min
额定频率(Rated frequency):60Hz
电焊空载电压(electric welding empty voltage):DC65V
电焊空载电流(electric welding rated currents):185A
适用(Be suitable): LX188



▲ KT-10发电机
KT-10 generator

发电机额定功率(Rated power)	9.5	10.5
额定电压(Rated voltage):	400/230V	416/240V
额定电流(Nominal current):	17.1A	18.2A
额定转速(Nominal speed)	3000 r/min	3600 r/min
额定频率(Rated frequency):	50Hz	60Hz
相位(phase):	三相 Three phase	三相 Three phase
有刷/无刷(brush/without brush one):	有刷 Has brushes	有刷 Has brushes
适用(Be suitable)	KM290	KM290



▲ 12KW发电机
12KW dynamo

额定功率(Rated power):12KW
额定电压(Rated voltage):115/230V
空载转速(idle rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 科勒25马力



▲ 10KW发电机
10KW dynamo

额定功率(Rated power):9.5/10.5KW
额定电压(Rated voltage):115/230V 230/400V
空载转速(idle rotate speed):3000/3600r/min
额定频率(Rated frequency):50/60Hz
有刷brush
适用(Be suitable):KM2V80
相位(phase):单相/三相 One phase/three phase



▲ 15KW发电机
15KW dynamo

额定功率(Rated power):15KW
额定电压(Rated voltage):220/380V
空载转速(idle rotate speed):3000r/min
额定频率(Rated frequency):50Hz
适用(Be suitable): 科勒34马力
相位(phase):三相three phase



▲ 15KW发电机
15KW dynamo

额定功率(Rated power):15KW
额定电压(Rated voltage):115/230V 230/400V
额定转速(Rated rotate speed):3000/3600r/min
额定频率(Rated frequency):50/60Hz
有刷(brush)
相位(phase):单相/三相 One phase/three phase
适用(Be suitable):莱动380



▲ 20KW发电机
20KW dynamo

额定功率(Rated power):20KW
额定电压(Rated voltage):115/230V 230/400V
额定转速(Rated rotate speed):3000/3600r/min
额定频率(Rated frequency):50/60Hz
有刷(brush)
相位(phase):单相/三相 One phase/three phase
适用(Be suitable):莱动480



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高压发电机 High Voltage Generator

XN-630H-1000-2500-10.5kv系列高压发电机 XN-630H-1000-2500-10.5kv High Voltage Generator



◆ **特点 Performance characteristic**

永磁发电机PMG励磁

PMG exciting system

双支撑结构和经动平衡的转子

Two bearing structure, rotors have been dynamic balanced

先进的自动电压调节器控制,提供 $\pm 0.5\%$ 的电压调整率

Advanced AVR control, apply $\pm 0.5\%$ voltage regulation factor

易于安装和维护

Easily to install and maintenance

标准IP23防护等级

Standard IP23 protection class

采用最新的标准制造

Apply the newest standard producing

◆ **选项和附件 Collocation to choose**

绕组温度检测(RTD)

Resistance temperature detect(RTD)

绕组温度保护热敏电阻

Winding temperature protection thermistor

轴承温度检测

Bearing temperature detect

防冷凝加热器

Space heater

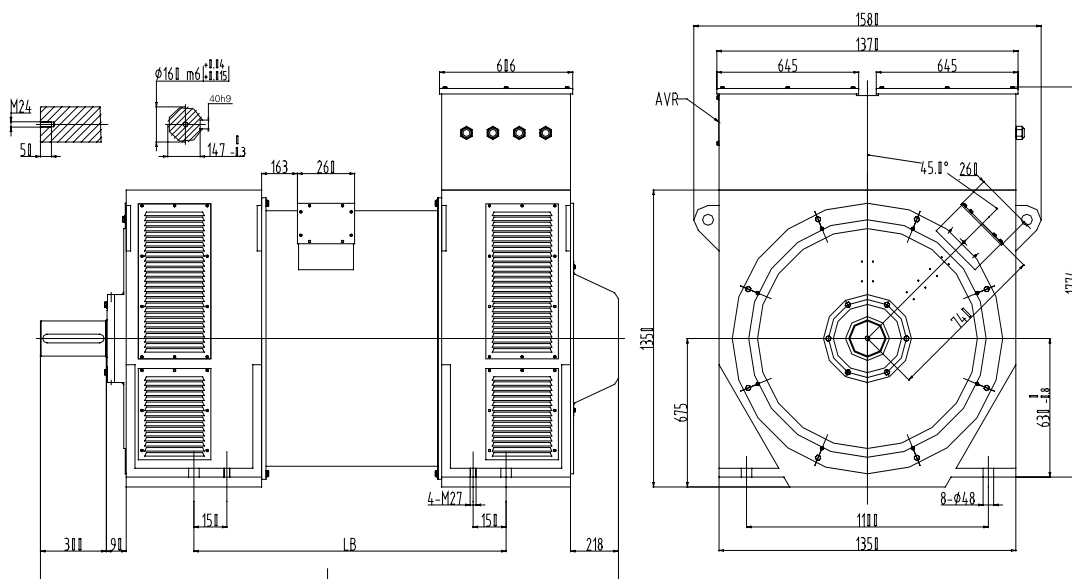
空气过滤器

Air filter

并联运行下垂装置

Parallel droop device

XN-630H-1000-2500-10.5kv系列高压发电机 XN-630H-1000-2500-10.5kv High Voltage Generator



三相定子F级、转子H级温升3-phase stator class F、rotor class H Temp. Rise									
型号	额定功率(KW)	额定容量(KVA)	额定电压(V)	额定频率(Hz)	额定转速(r/min)	功率因数	绝缘等级	防护等级	效率(%)
XN2500-H-10.5KV	2000	2500	10500	50	1500	0.800	F/H	IP23	96.6
XN2250-H-10.5KV	1800	2250							96.5
XN1875-H-10.5KV	1500	1875							96.3
XN1550-H-10.5KV	1240	1550							96
XN1250-H-10.5KV	1000	1250							95.8
XN1000-H-10.5KV	800	1000							95.5

电抗Reactance(%)—时间常数Time constant(ms)													
型号	额定功率(KW)	Kc	Xd	Xq	Tdo	X'd	X'g	T'd	X''d	X''g	T''d	X2	Xo
XN2500-H-10.5KV	2000	0.7457	1.5737	0.779	2.918s	0.2524	0.779	0.468s	0.1121	0.1085	0.0585s	0.1103	0.0164
XN2250-H-10.5KV	1800	0.757	1.553	0.7698	2.85s	0.2518	0.7698	0.462s	0.1131	0.1097	0.058s	0.1114	0.0162
XN1875-H-10.5KV	1500	0.7597	1.5412	0.7661	2.727s	0.255	0.7661	0.451s	0.1171	0.1137	0.0564s	0.1154	0.016
XN1550-H-10.5KV	1240	0.6464	1.7862	0.8937	2.467s	0.3099	0.8937	0.428s	0.1492	0.1450	0.0535s	0.1473	0.0184
XN1250-H-10.5KV	1000	0.6601	1.7566	0.8837	2.28s	0.3166	0.8837	0.411s	0.1578	0.1541	0.051s	0.1559	0.0202
XN1000-H-10.5KV	800	0.6879	1.687	0.8489	2.134s	0.3132	0.8489	0.3981s	0.1607	0.1573	0.1498s	0.159	0.0192

型号	额定功率(KW)	额定容量(KVA)	L(mm)	LB(mm)	重量(Kg)
XN2500-H-10.5KV	2000	2500	3090	1880	8170
XN2250-H-10.5KV	1800	2250	3090	1880	7740
XN1875-H-10.5KV	1500	1875	2850	1640	7010
XN1550-H-10.5KV	1240	1550	2630	1420	6020
XN1250-H-10.5KV	1000	1250	2630	1420	5540
XN1000-H-10.5KV	800	1000	2630	1420	5160