



# CMXD GENERATOR SELECTION TABLE

(500-3200kW 900rpm 4160V 60HZ)



序号 NO.	转速 (rpm) SPEED	电压 (V) VOLTAGE	频率 (Hz) FREQUENCY	绝缘等级 INSULATION CLASS	温升等级 TEMPERATURE RISE CLASS	各环境温度下对应的功率 (kW) RATED OUTPUT POWER AND COOLANT			发电机型号 TYPE	重量 WEIGHT (T)
						40℃	45℃	50℃		
1	900	4160	60	H/F	F	530	515	500	ZFC7 350-84E-Y-R	4.50
2						636	618	600	ZFC7 352-84E-Y-R	5.50
3						742	721	700	ZFC7 354-84E-Y-R	6.00
4						848	824	800	ZFC7 356-84E-Y-R	6.50
5						954	927	900	ZFC7 358-84E-Y-R	7.00
6						1166	1133	1100	ZFC7 402-45E-Y	8.50
7						1379	1339	1300	ZFC7 404-84E-Y	9.00
8						1591	1545	1500	ZFC7 406-84E-Y	9.50
9						1803	1751	1700	ZFC7 408-84E-Y	10.00
10						2121	2060	2000	ZFC7 452-84E-Y	10.50
11						2440	2369	2300	ZFC7 454-84E-Y	12.00
12						2758	2678	2600	ZFC7 456-84E-Y	13.50
13					3076	2987	2900	ZFC7 458-84E-Y	15.00	
14					3394	3296	3200	ZFC7 502-84E-Y	16.50	
15					B	530	515	500	ZFC7 352-84E-Y-R	5.00
16						636	618	600	ZFC7 354-84E-Y-R	6.00
17						742	721	700	ZFC7 356-84E-Y-R	6.50
18						848	824	800	ZFC7 358-84E-Y-R	7.00
19						954	927	900	ZFC7 402-84E-Y	8.00

20					1166	1133	1100	ZFC7 404-44E-Y	9.00
21					1379	1339	1300	ZFC7 406-84E-Y	9.50
22					1591	1545	1500	ZFC7 408-84E-Y	10.00
23					1803	1751	1700	ZFC7 452-84E-Y	10.50
24					2121	2060	2000	ZFC7 454-84E-Y	12.00
25					2440	2369	2300	ZFC7 456-84E-Y	13.50
26					2758	2678	2600	ZFC7 458-84E-Y	15.00
27					3076	2987	2900	ZFC7 502-84E-Y	16.50
28					3394	3296	3200	ZFC7 504-84E-Y	18.00

发电机选型说明:

Description of Generator Selection :

1. 发电机绝缘等级/温升等级为F/F或F/B, 当绝缘等级/温升等级为H/H时, 发电机的机型将适当调整。

1. Generator insulation class/temperature rise class is F/F or F/B. When insulation class/temperature rise class is H/H, the generator type will be adjusted appropriately.

2. 发电机机型说明: 如ZFC7 358-45E-Y-R 其中:前二位字母为公司代号, ZF为镇江中船现代; 第三位字母为冷却方式: C为空-空冷, J为空-水冷; 第4位数字为电机系列号; 第5、6位数字为电机机座号; 第7位数字为电机铁心代号; 第8位数字为电机极数代号; 第9位数字为电机电压代号; 第10位字母为电机支撑方式, E为双支撑, K为单支撑; 第11位字母为电机转子结构形式, Y为隐极, 凸极无表示; 第12位字母为电机轴承结构形式, R为滚动, 滑动无表示。

2. Type code definition: ZFC7 358-45E-Y-R, where the first two letters are company code and ZF is CMXD; the third letter is cooling method: C is air-air cooling, J is air-water cooling; the fourth number is generator series NO.; the fifth and sixth numbers are generator frame size; the seventh number is the code of generator core length; the eighth number is the code of poles; the ninth number is the code of generator voltage grade; the tenth number is the code of generator support construction, E is double bearing, K is single bearing; the eleventh number is the generator rotor structure type, Y is cylindrical pole and salient pole is not expressed; the twelfth number is the generator bearing structure type, R is rolling and sliding is not expressed.