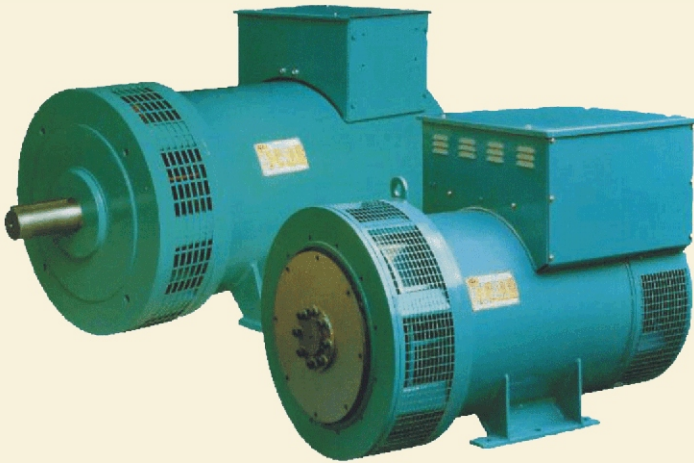


TFW SERIES BRUSHLESS EXCITATION A.C. SYNCHRONOUS GENERATOR



The requirements for environment:

1. Altitude: not exceed 1000m.
2. Cooling air temperature: 258~313K(-15 ~40℃).
3. Relative air humidity: not exceed 90%.

TFW series three-phase brushless excitation synchronous generators by introducing and developing on foreign advanced technology of well-known generators, are our newly developed products, The generator set by coupling the generators with engine are mainly designed to serve as power generating unit in national defence , post and telecommunications, hospital, hotel, market and factory as electric appliances or standby power. The generators are made as per standard JB/T3320.2-2000 and in conformity to IEC34-1. Being tested by national authority department, the generator's performance achieves advanced international level .The characteristic of generators see as the followings:

1. Brushless, self-excited, insulation class H with high temperature 180℃ , so can reliably run in bad conditions .
2. Steel welding frame, casting end bracket, the generators have two construction of two-bearing and single-bearing;
3. Stator winding's pitch is 2/3, the output voltage wave is excellent;
4. Fine dynamic characteristics when load or unload suddenly;
5. Generally the generators are two-bearing construction, also can produce for single-bearing construction;
6. TIF<50, THF<2%, the generators with high quality of AVR have excellent properties;
7. 12 leads are suit for different connections, generally the output voltages have: 400V/200V---50Hz and 480V/240V---60Hz;
8. The units can run at 50Hz and 60Hz;
9. The units can run at single phase by changing the output connections, but the power at single phase only is about 60% of three-phase's power;
10. Standard drip-proof type is IP21, if our customer requires that IP22 or IP23 are also produced; But the power will be reduced for 5% at Ip23.

Technical Data

Model	Rated Capacity(KVA)	Rated Output(KW)	Rated Voltage(V)	Rated Current(A)	Power Factor(CosΦ)	Rated Speed(r/min)	Volt.adjust(%)
TFW-10	12.5	10	230/400	18.1	0.8	1500	±1
TFW-12	15	12		21.7			
TFW-16	20	16		28.8			
TFW-20	25	20		36.1			
TFW-24	30	24		43.3			
TFW-30	37.5	30		54.1			
TFW-40	50	40		72.2			
TFW-50	62.5	50		90.2			
TFW-64	80	64		115.6			
TFW-75	93.75	75		135.5			
TFW-90	112.5	90		162.5			
TFW-100	125	100		180.4			
TFW-120	150	120		216.1			
TFW-150	187.5	150		271			
TFW-160	200	160		288.6			
TFW-180	225	180		324.7			
TFW-200	250	200		360.8			
TFW-220	275	220		396.8			
TFW-250	312.5	250		451			
TFW-280	350	280		505			
TFW-300	375	300	541				
TFW-320	400	320	577				
TFW-350	437.5	350	631.5				
TFW-400	500	400	721.7				
TFW-450	562.5	450	813				
TFW-500	625	500	903				
TFW-600	750	600	1084				
TFW-720	900	720	1300				
TFW-800	1000	800	1445				