TFZW Series 12-350kw BRUSHLESS THREE PHASE AC SYNCRONOUS GENERATOR

ENVIRONMENT CONDITIONS

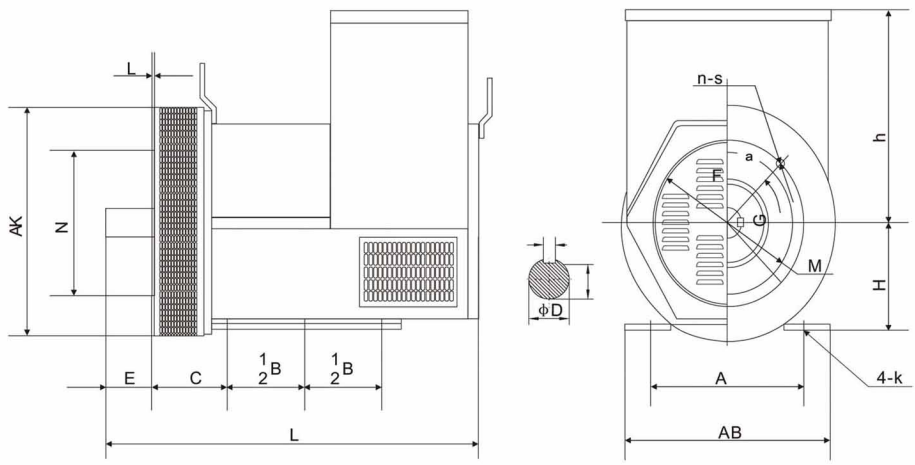
This series generator in the following environmental conditions can be rated running:

Height above sea lever: ≤1000m
Environmental air temperature: ≤40℃
Atmospheric relative humidity: ≤90%
If required, we can provide the generator for moist heat area

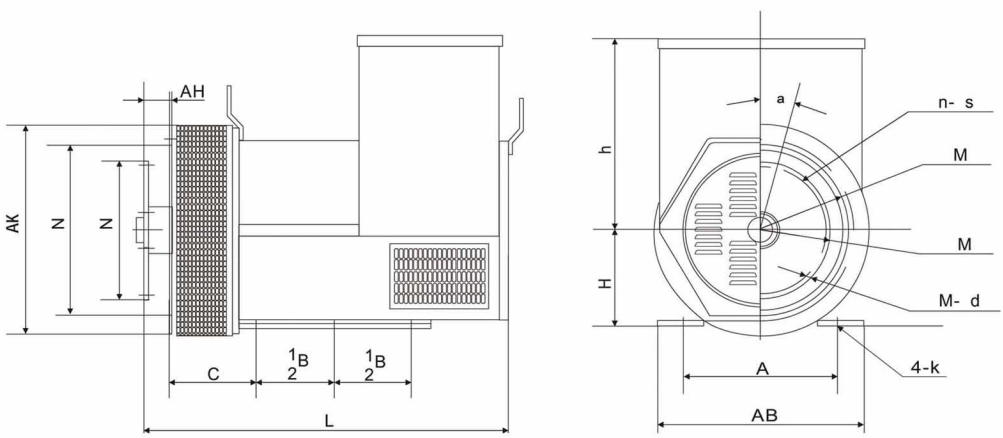
MAIN TECHNICAL PERFORMANCE PARAMETER

Steady state voltage regulation rate: ≤±1%
Transient stage voltage regulation rate: Steady state voltage regulation rate: ≥-15%~≤+20%
Transient voltage recovery time:≤1s
Three-phase asymmetric load voltage deviation rate:≤2.5%
Link-voltage waveform sinusoidal distortion rate: ≤2.5%
Insulation lever: Lever H (Temperature Rise Limit: 125K)
The average efficiency reaches the level of international brands

picture1 Double bearing generator



picture2 the single bearing generator



Installation Yardstick of Appearance & Technical Data

Frame Size	Power (KW)	A	B	H	h	AB	AK	K	Bolt	the double bearing structure											the single bearing structure										
																						coupling tablet						flange interface				
										C	D	E	F	G	L	M	N	n-s	α	T	C	L	SAE	N	M	n-s	α	SAE	N'	M'	m-d	AH
180S1	12	279	201	180 0 -1	253	323	453	14.5	M12	125	42 0 -0.043	105	12 -0.043	37 -0.2	810	300	250 -0.064	4-M12	45°	4	206	730	5#	314.33	333.38	8-φ11	22.5°	7.5#	241.30	222.25	8-φ9	30.2
180S2	16																														
180M1	20																														
180M2	24																					780	4#	361.95	381.0	12-φ11	15°	10#	314.32	295.28	8-φ11	53.8
180L1	30		201												840								3#	409.58	428.63	12-φ11	15°	11.5#	352.42	333.38	8-φ11	39.6
180L2	34																														
224S1	34	356	310	224 0 -2	466	406	481	18.5	M16	182	60 0 -0.043	110	16 -0.043	54 -0.2	850	350	300 -0.064	4-M16	45°	5	177	793	3#	409.58	428.63	12-φ11	15°	11.5#	352.42	333.38	8-φ11	39.6
224S2	40																														
224M1	50																														
224M2	64																					856	2#	447.68	466.73	12-φ11	15°	11.5#	352.42	333.38	8-φ11	39.6
224L1	75		310												890								1#	511.18	530.23	12-φ11	15°	14#	466.72	438.15	8-φ14	25.4
224L2	100																														
270S1	100	406	406	270 0 -2	503	466	580	24	M20	196	70 0 -0.052	140	20 -0.052	62.5 0 -0.2	970	350	300 -0.064	4-M16	45°	5	202	920	2#	447.68	466.73	12-φ11	15°	11.5#	352.42	333.38	8-φ11	39.6
270S2	120																														
270M	150																														
270L1	180		406												1060							1068	1#	511.18	530.23	12-φ11	15°	14#	466.72	438.15	8-φ14	25.4
270L2	200																														
315S	220	508	457	315 0 -2	537	578	666	28	M24	216	80 0 -0.052	140	22 -0.052	71 0 -0.2	980	400	350 -0.064	8-M16	45°	5	232	968	2#	447.68	466.73	12-φ11	15°	14#	466.72	438.15	8-φ14	25.4
315M	250																						1#	511.18	530.23	12-φ11	15°					
315L1	300		457												1080							1038	1/2#	584.20	619.25	12-φ13						
315L2	350																						0#	647.70	679.45	12-φ14	11.25°					