

ژنراتور : Stamford Power

موتور دیزل : Cummins-China

Standby		Prime		دیزل ژنراتور
KVA	KW	KVA	KW	
-	-	60	-	



CUMMINS ENGINE DATASHEET

ENGINE MODEL: 4BTA3.9-G2

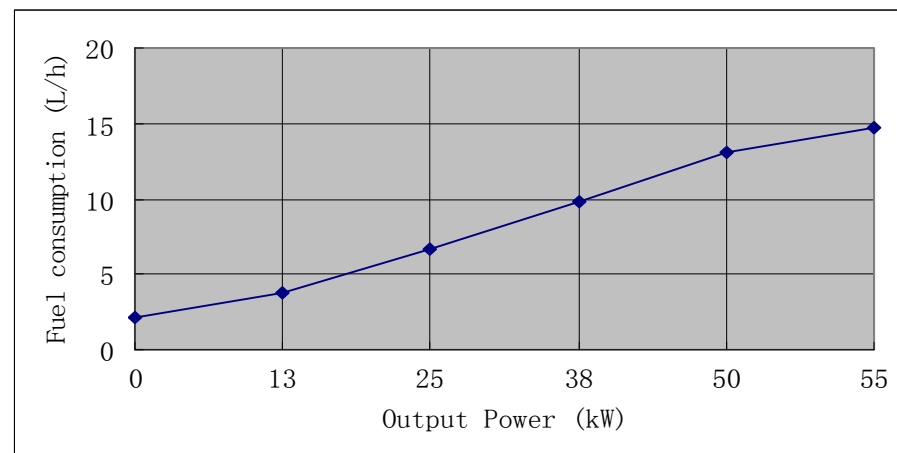
PERFORMANCE CURVE: FR9272-02

VERSION 01 2005/12

	DONGFENG CUMMINS ENGINE Co., Ltd. XiangFan HuBei P.R.CHINA ENGINE DATASHEET—for G-drive			ENGINE MODEL 4BTA3.9-G2		FREFORMANCE CURVE FR9272-02
				ENGINE FAMILY D38	CPL PP857-02	2005/12
Displacement	3.9 L	Air intake way	After-cooled, turbo-charged			
Cylinder bore	102 mm	Cylinder quantity	4	kW(BHP)		@RPM
Stroke	120 mm			50(67)		1500
Fuel system	A pump _ GAC governor/ NYC ASIMCO			Speed-droop		5%
Engine testing with fuel system, water pump and oil pump, without air compressor, alternator, fan, other options and driving accessory.						
Testing condition: air intake resistance 250 mmHg, exhaust back pressure 50 mmHg.						

Engine Speed-RPM	Standby Power		Base Output Power		Continuous Power	
	kW	HP	kW	HP	kW	HP
1500	55	74	50	67	N/A	N/A

Output Power			Fuel consumption	
%	kW	HP	g/kW.h	L/h
Standby Power				
100	55	74	220	14.7
Base Output Power				
100	50	67	216	13.1
75	38	51	214	9.8
50	25	34	221	6.7
25	13	17	240	3.8
Continuous Power				
N/A	N/A	N/A	N/A	N/A



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Typical engine data

Net weight	kg	350
Rotate part instantaneous inertia _ without flywheel	kg.m2	0.143
Distance between gravity center and rear surface of cylinder block	mm	373
Distance between gravity center and center line above of crankshaft	mm	163

Engine installation

Static bent torque permitted—rear surface of cylinder block	N.m	1356
Static bent torque permitted—front surface of cylinder block	N.m	435
Static bent torque permitted—flank surface of cylinder block	N.m	365

Exhaust system

Max. back pressure	mmHg	76
Diameter of exhaust pipe recommended	mm	75

Air intake system

Max. air intake resistance		
Dirty filter	mmH2O	635
Normal air cleaner and clean filter	mmH2O	254
Heavy duty cleaner and clean filter	mmH2O	381
Diameter of intake pipe recommended	mm	75

Lubrication system

Normal oil pressure range

Low idle	kPa	207
Rated speed	kPa	345
Max. oil temperature permitted in oil pan	°C	121
Oil pan capacity (Max _ Min)	L	9.5_8.5
Lubrication system Min. capacity (oil pan + oil filter)	L	10.9
Usage inclining degree permitted (any direction)	°	40

Fuel system

Fuel injection pump model	NYC A pump with GAC governor	
Max. fuel input resistance of transfer pump	mmHg	102
Max. overflow fuel resistance at overflow pipe of injector	mmHg	508
Total fuel overflow amount	L/h	30

Cooling system

Coolant capacity-engine only	L	7.9
Max. coolant cycling resistance exterior engine	kPa	28
Thermostat adjusting temperature (range)	°C	82_95
Min. opening pressure of radiator cap	kPa	69
Max. coolant temperature permitted _ Standby Power/Base output Power	°C	104/100

Electric system

Starter	12V	24V
Battery charging system	63A	40A
Max. starting circuit resistance	0.00075Ω	0.002Ω
Min. battery capacity_ -12°C (CCA: Cold Cranking Ampere)	625CCA	312CCA

Technical data _ under standard fuel delivery rate FR9272-02

	Base output Power	Standby Power
Engine speed _ RPM	1500	1500
Output Power _ kW	50	55

Torque _ Nm	318	350
Low idle _ RPM	950-1050	950-1050
Friction energy output _ kW	8.2	8.2
Piston speed _ m/s	7.2	7.2
Engine coolant flow _ L/sec	2.2	2.2
Air intake flow _ L/sec	48	57
Exhaust flow _ L/sec	130	155
Exhaust temperature _ °C	460	485
Environment energy output _ kW	N/A	N/A
Coolant energy output _ kW	25.9	29
Fuel energy output _ kW	N/A	N/A

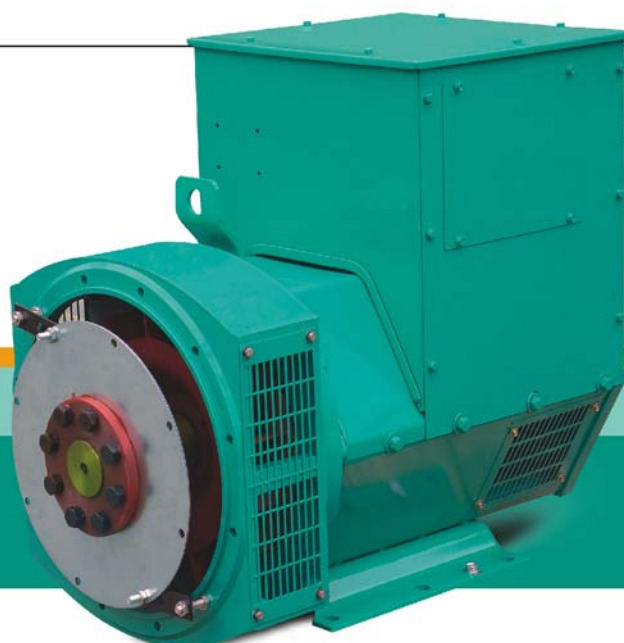
All data's error within $\pm 5\%$.

Excuse for none notice anymore in case of data changed

DONGFENG CUMMINS ENGINE Co., Ltd.

NEW ERA SLG

系列三相无刷同步发电机
SERIES THREE-PHASE BRUSHLESS
SYNCHRONOUS ALTERNATOR



SLG224 TECHNICAL DATA SHEET

50Hz CLASS "H"

RATINGS	绕组形式 311 / 功率因数0.8 Winding 311 / 0.8 Power Factor												绕组形式05 Winding 05			
定额/温升/环境温度 Duty / Temp Rise / Ambient T°	持续/125k/40°C Cont./125K/40°C						持续/125k/40°C Cont./125K/40°C						持续/125k/40°C Cont./125K/40°C			
相数 PHASE	三相 3 PHASE						单相 1 PHASE						单相 1 PHASE			
星形串联 SERIES STAR	380	400	415	440									Power Factor			
星形并联 PARALLEL STAR	190	200	208	220									0.8	1		
三角形串联 SERIES DELTA	220	230	240	254												
双三角形并联 DOUBLE DELTA							220	230	240				220,230,240			
	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW
SLG224C	42.5	34	42.5	34	42.5	34	30	24	28.5	22.8	28.5	22.8	28.5	22.8	28	22.4
SLG224D	50	40	50	40	50	40	37.5	30	33.5	26.8	33.5	26.8	33.5	26.8	35	28
SLG224E	60	48	60	48	60	48	45	36	40	32	40	32	40	32	40	32
SLG224F	72.5	58	72.5	58	72.5	58	55	44	48.5	38.8	48.5	38.8	48.5	38.8	50	40
SLG224G	85	68	85	68	85	68	75	60	56.5	45.2	56.5	45.2	56.5	45.2	60	48

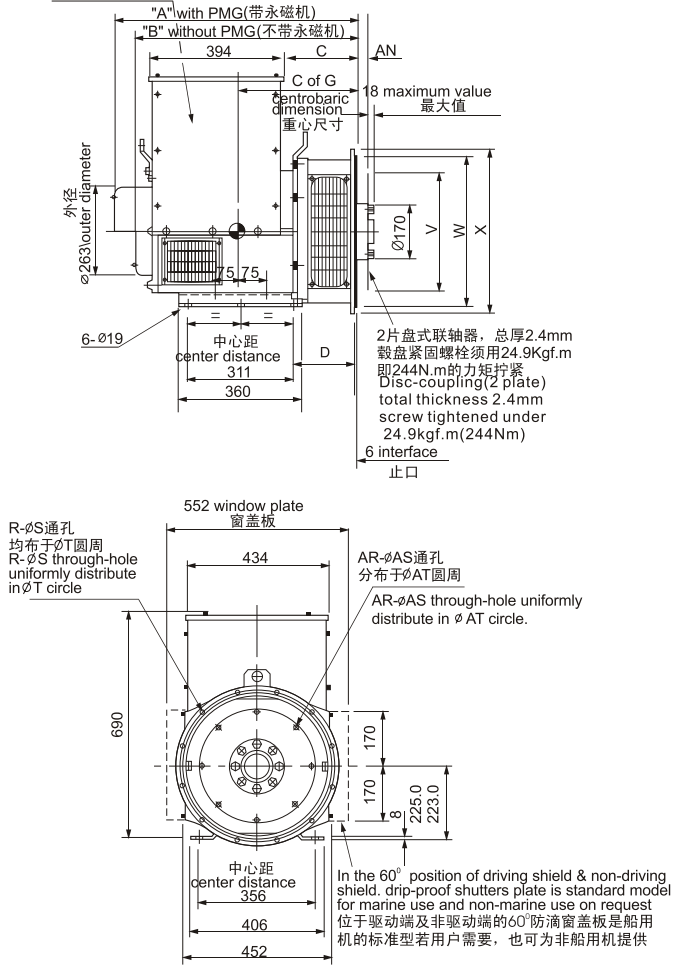
60Hz CLASS "H"

RATINGS	绕组形式 311 / 功率因数0.8 Winding 311 / 0.8 Power Factor												绕组形式05 Winding 05			
定额/温升/环境温度 Duty / Temp Rise / Ambient T°	持续/125k/40°C Cont./125K/40°C						持续/125k/40°C Cont./125K/40°C						持续/125k/40°C Cont./125K/40°C			
相数 PHASE	三相 3 PHASE						单相 1 PHASE						单相 1 PHASE			
星形串联 SERIES STAR	416	440	460	480									Power Factor			
星形并联 PARALLEL STAR	208	220	230	240									0.8	1		
三角形串联 SERIES DELTA	240	254	266	277												
双三角形并联 DOUBLE DELTA							220	230	240				220,230,240			
	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW
SLG224C	50	40	52.5	42	52.5	42	55	44	30.5	24.4	32	25.6	33.5	26.8	37.5	30
SLG224D	60	48	62.5	50	62.5	50	65	52	36.5	29.2	38.3	30.6	40	32	44	35
SLG224E	67.5	54	70	56	72.5	58	75	60	41.3	33	43.1	34.5	45	36	50	40
SLG224F	83.8	67	87.5	70	87.5	70	93.8	75	50	40	52.5	42	56	45	60	48
SLG224G	93.8	75	97.5	78	100	80	103.8	83	56.9	45.5	59.4	47.5	62.5	50	70	56

SLG224 外形图 External dimension

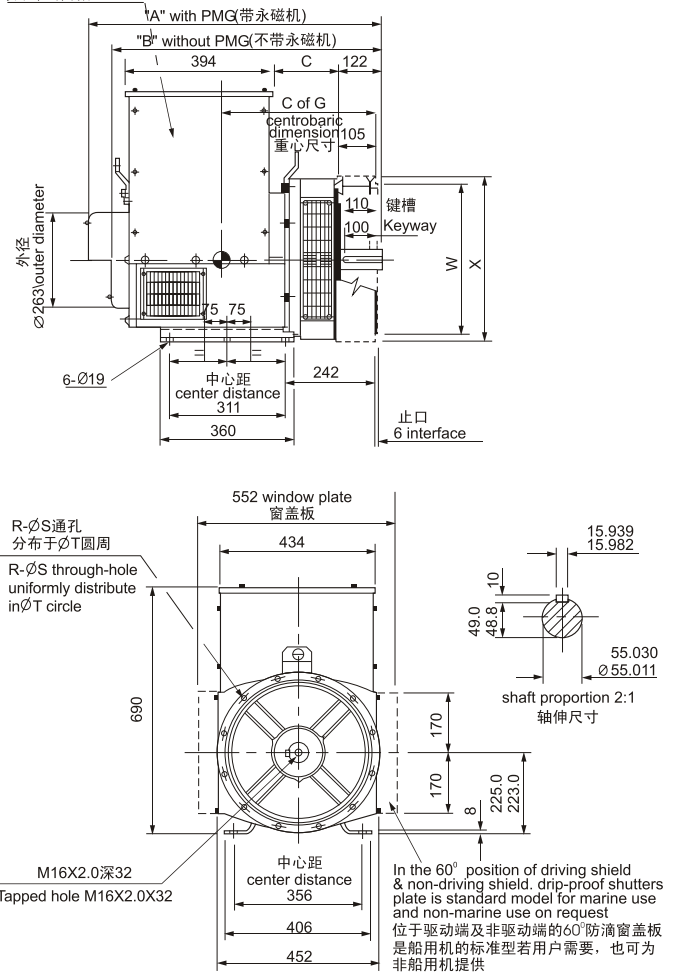
单轴承 SINGLE BEARING

separable side plate
可拆卸式侧板



双轴承 DOUBLE BEARING

separable side plate
可拆卸式侧板



DIMENSION 尺寸(mm)

型号Model	A	B	C	C of G	LXWXH(mm)
SLG224C	734	671	233.5	323	820X540X870
SLG224D	734	671	233.5	333	820X540X870
SLG224E	824	761	323.5	348	890X540X870
SLG224F	824	761	323.5	358	890X540X870
SLG224G	869	806	368.5	373	930X540X875
SLG224C	710	647	210	311	820X540X870
SLG224D	710	647	210	321	820X540X870
SLG224E	800	737	300	336	890X540X870
SLG224F	800	737	300	346	890X540X870
SLG224G	845	782	345	361	930X540X875

FLANGE 法兰式过渡接套 (mm)

S.A.E.NO.	D	R	S	T	W	X
2	200.5	12	11	466.7	447.6	490
3	177	12	11	428.6	409.5	451
4	200.5	12	11	381.0	361.9	451

DISC COUPLING 盘片式联轴器(mm)

S.A.E.NO.	AN	AR	AS	AT	V
8	61.9	6	11	244.4	263.4
10	53.98	8	11	295.3	314.2
11.5	39.68	8	11	333.3	352.3
14	25.40	8	13.5	438.2	466.6

DIMENSION 尺寸(mm)

型号Model	A	B	C	C of G	N.W(kg)	G.W(kg)	LXWXH(mm)
SLG224C	792	729	170	368	250	275	820X540X870
SLG224D	792	729	170	378	270	295	820X540X870
SLG224E	882	819	260	393	290	315	930X540X875
SLG224F	882	819	260	403	320	345	930X540X875
SLG224G	927	864	305	418	360	385	930X540X875

FLANGE 法兰式过渡接套 (mm)

S.A.E.NO.	R	S	T	W	X
2	12	11	466.7	447.6	495
3	12	11	428.6	409.5	451
4	12	11	381.0	361.9	403
5	8	11	333.3	314.3	356

SINGLE BEARING SAE NO SELECTOR 单轴承驱动片和过渡法兰配套表

	SAE8	SAE10	SAE11.5
SAE 2			•
SAE 3		•	•
SAE 4	•	•	