

**TEST SPEC**

**SEPTEMBER 27, 2023**

ENGINE (G1F02808)-GENERATOR (WR300096)-

For Help Desk Phone Numbers Click here

GENSET

Reference Number:

Effective Serial Number:

Model: C32 DI TA AAAC


**Surplus and Prime Worldwide FZ LLC**

FDR K-2058, Compass Building, Al Shohada Road,  
Al Hamra Industrial Zone-FZE  
P.O. Box Al Khaimah, United Arab Emirates

Make from Spec

**Test Spec Data**

Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	KW	1,137.0	1,171.2	1,102.8
Full Load Speed	RPM	1500	1510	1490
High Idle Speed	RPM	1620	1630	1610
Low Idle Speed	RPM	1200	1210	1190
FL Static Fuel Setting	mm	14.160		
FT Static Fuel Setting	mm	15.590		
FLS (Intercept)		11		
FTS (Slope)		-1		
Corrected Fuel Rate	G/MIN	3,686.0	3,871.0	3,501.0
CSFC	G/KW.H	195.3	208.1	184.5
Adjusted Boost	KPA	284.7	327.5	241.9
Torque Check Speed	RPM	1300	1310	1290
Corr Torq Rise at TC RPM	%	10.2		
Corr Torque at TC RPM	N.M	7,970	8,528	7,412
C Fuel Rate at TC RPM	G/MIN	3,542.0	3,720.0	3,365.0
CSFC at TC RPM	G/KW.H	194.9	207.7	184.1
ADJ Boost at TC RPM	KPA	293.2	337.2	249.2
Power Loss/Cyl	% C FL PWR	10.2	10.8	9.6
Specific Blowby	L/KW.H			
Temp Jacket Water Pump Inlet	C	89	92	86
Delta T Jacket Water (out-in)	C	8	13	3
Inlet Manifold Temp	C	40	50	30
Water Temp to Scac	C			
Scac Water Flow	L/MIN			
Oil Pressure	KPA	422	550	300
Oil Pressure Low Idle	KPA	358	450	100
Fuel Pressure	KPA	765	851	529
Inlet Fuel Pressure	KPA		25	
Inlet Fuel Temp	C	30	35	25
Inlet Air Pressure	KPA		104	87
Inlet Air Restriction	KPA		4.00	
Inlet Air Temperature	C		50	10
Fuel Density	DEG API		36.0	34.0
Boost Constant		1.0		
Governor Setting Constant				
Governor Setting Torque	% RTD TRQ			
High Idle Stability	RPM			
Low Idle Stability	RPM			
Set Point RPM	RPM	1520	1530	1510
Adjusted Boost (Gas Blending)	KPA			
Corrected Fuel Rate - Diesel (Gas Blending)	G/MIN			
Corrected Fuel Rate - Gas (Gas Blending)	KJ/MIN			
Full Load Fueling (Gas Blending)	MM3/ST			
Gas Substitution Ratio (Gas Blending)	%			
Corr Full Load Power (Gas Blending)	KW			

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Full Load Speed (Gas Blending) 	RPM			
Exhaust Back Pressure	KPA			
TQ CK Exhaust Back Pressure	KPA			
Ataac Delta Pressure	KPA			

Engine Reference Information			
Description	Measure	Data	
FL Static/FT Static Fuel Settings	mm	14.16 / 15.59	
Fuel Valve Part Number		2959084	
Unit Injector Part Number		2959085	
Timing Dimension Field Service	mm		
Timing Dimension Factory			
Torque Control Group Number		Change Level:	
Fuel Pump/Gov Grp Part Number		2971027	
Fuel Pump Type		EUI	
Flyweight Part Number/Attitude		4451673 / S510S-0.79A/R	
Turbo Part No and Model		4451674 / S510S-0.79A/R	
Advertised Power / Governor Speed		1,089.0kW	1,500 RPM
Compression Ratio		15.0	
Torque Rise Cam Part Number			
Manifold Type		DRY	
Engine Flash File Part Number		5457670	
Rating Number		1	
Flash File Change Number			
ASM Flash File Part Number			
ISM Flash File Part Number			
Advisor Flash File Part Number			
Secondary Module Flash File Part Number			
Messenger Flash File Part Number			
Tandem Software Flash File Part Number			
Governor Type		ELEC	

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Torque Control Group Spring Data		
Part No	Thickness	Quantity

Torque Control Group Spacer Data		
Part No	Thickness	Quantity

Timing Data				
Mechanical Advance Part Number:				
Chg. Level:				
Advance: 0.0 DEG				
Dog Leg Differentials: RPM: -- KW: --				
Description	Measure	Spec	Minimum	Maximum
Timing Static @ 0 RPM BTDC	DEG		-2.0	2.0

Application/Performance Data		
Description	Measure	Data
Application Identification		223 GS STANDBY

Application/Performance Data			
Description	Measure		Data
Engine Sales Model and Series		C32	
Combustion System type		DI	
Aspiration Type		TA	
Engine Source Factory Ref Number		LE	
Multi Engine Torq/Rating			
Emissions Family			
Generator Rating W/O Fan	EKW		
Generator	HZ	50	
Brakesaver test			
Certified Engine Rating	kW		
Engineering Model Ref			GS471
Low Idle In-Veh Speed	RPM		
Sales Model			
Machine Facility			
Usage			
Transmission			
Description			GS
Serial Number Prefix			

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Altitude Derating Information			
Description	Measure		Data
Altitude - Maximum	M		1,300
Engine Power (ADV)	kW		1,089
Engine Power (Test)	kW		1,137
High Idle Speed	RPM		
FL Static Fuel Setting	mm		
FT Static Fuel Setting	mm		15.59
Corrected Fuel Rate	G/MIN		3,686.0
FL Boost Pressure	KPA		

Spec Number vs. Arrangement Number Cross Reference	
Arrangement	20R9200