

G70RS | Rental Diesel Generator



DIESEL GENERATOR

T4F

WEIGHT AND DIMENSIONS - STATIC

Length	in	126
Width	in	43
Height	in	83
Weight*	lbs	5739

**Standard build with all fluids including fuel*

WEIGHT AND DIMENSIONS - TRAILER MOUNTED

Length	in	189
Width	in	74
Height	in	105
Weight*	lbs	7239

**Standard build with all fluids including fuel*

ELECTRICAL

Frequency (Hz)	Phases	Voltage (V)	Prime Rating			Rated Speed (RPM)	Emissions
			kVA	kW	Amps		
60	3	480/277V	70	56	84	1800	T4F
60	3	208/120V	70	56	195	1800	T4F
60	1	240V	37	37	154	1800	T4F

POWER FACTOR

3 Phase	0.8
1 Phase	1

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS

Prime: This rating is for the supply of continuous electrical power, at variable load (70% average), in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046

AIR SYSTEM

Limiting Ambient Temperature	°F	60Hz	124
Radiator Duct Allowance	In H ₂ O		TBC
Radiator Cooling Airflow	cfm		6145

EXHAUST SYSTEM

Maximum Temperature 100%	°F	60Hz	TBC
Exhaust Gas Flow 100%	lbs/hr		946
Maximum Allowed Back Pressure	In H ₂ O		47

FUEL SYSTEM

Diesel Specification	Grade	ASTM D975 (2D)	
Standard Fuel Tank Capacity	(US) g	132	
Fuel Tank Material	Type	Steel	
Fuel Tank Construction		Double Skinned	

FUEL CONSUMPTION

100% Load Prime	(US) gph	60Hz	6.62
75% Load Prime	(US) gph		3.65
50% Load Prime	(US) gph		2.56

DEF SYSTEM

DEF Specification		ISO 22241-1	
Standard Capacity Tank	(US) g	4.5	

DEF CONSUMPTION

100% Load Prime	(US) gph	60Hz	0.23
75% Load Prime	(US) gph		0.13
50% Load Prime	(US) gph		0.09

ENGINE

1800 RPM			
Net Output Rating (PRP)	kW	70	
Net Output Rating (Standby)	kW	77	
Manufacturer and Model		JCB JCB 444 TA4-81	
Fuel		Diesel	
Injection		Common Rail	
Aspiration		Turbo Charged	
Cylinders		4	
Bore and Stroke	in	4.1 x 5.2	
Displacement	in ³	268.0	
Cooling		Water	
Engine Oil Specification		API CH4-SAE 10W40	
Compression Ratio		16.7 : 1	
Engine Oil Capacity	(US) g	3.70	
Coolant Capacity	(US) g	4.8	
Governor		Electronic	
Engine Oil Consumption	(US) gph	0.003	
Exhaust After treatment	SCR	●	
	DOC	x	
	DPF	x	

AMBIENT CLEARANCE

Upper Temperature Limit	°F	122	
Lower Temperature Limit	°F	23	

SOUND PRESSURE

LpA (23ft & 100% load)	dB(A)	60Hz	65
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ELECTRICAL

AVR DSR	●
AVR DER1 with 3 phase sensing	Δ
Total + Winding Protection for Harsh & Saline Environments	●
MAUX – High Motor Start Auxiliary Winding	●
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	●
Earth Leakage Protection (Switchable)	Δ
Preparation for Earth Spike	●
Emergency Stop Button (Control Panel)	●
120V Charger & Heater Supply Sockets	Δ
GFCI 120V Small Power Sockets	Δ
50A Shore Power Sockets	Δ
Camlock Connections	Δ
Terminal Safety Microswitches	●
Standard: ● Not Available: x Optional: Δ	

BATTERY FEATURES

Battery Isolator	●
Battery Type	Maintenance Free Lead Acid
Battery Charger – 10A	Δ

STARTING SYSTEM

Battery Capacity	Ah	1000
Number of Batteries		1
Auxiliary Voltage	V	12

ALTERNATOR ECP32-1L/4C

Poles	4
Insulation	Class H
Enclosure	IP23
Exciter System	MAUX Excitation
Voltage Regulator	AVR - DSR
Steady State Voltage Regulation	+/- 1%
Bearing	Single bearing sealed
Coupling	Flexible disc
Cooling	Direct drive centrifugal blower fan
Coating	Total Protection +
Multi Position Voltage Selection Switch	Δ
Standard: ● Not Available: x Optional: Δ	

CONTROL AND COMMUNICATION

DSE 7310 (Non Sync) Controller	●
DSE 8610 (Sync) Controller (>220 with DSE8003 colour screen)	Δ
Deif AGC150 (Non Sync) Controller	Δ
Deif AGC4 (Sync) Controller with TDU7 Touchscreen Display	x
Analogue Load Share	Δ
External USB Programmable Port	Δ
JCB LiveLink for Power	●
High Engine Temperature Shutdown	●
Low Oil Pressure Shutdown	●
Low Coolant Level Alarm	●
Leak Detection Alarm	Δ
Analogue Hour Counter	Δ
Bus Live Warning Lamp	●
Audible Alarm Sounder	●
Panel Mounted Voltage Trimpot	Δ
Standard: ● Not Available: x Optional: Δ	

MECHANICAL

Tropical Cooling Pack	●
Heavy Duty Air Filter	●
Radiator Fan Guards	●
Hot Component Guards	●
Manual Oil Drain Pump	Δ
Water Jacket Heater	Δ
Fuel Pre-Filter with Separator	●
Racor water/fuel separator	Δ
Racor change over water/fuel separator	x
Fuel Level Sender	●
3 Way Fuel Valve	Δ
Exhaust Silencer including Aftertreatment	●
Fuel Tank Access Plate	●
External Fuel and DEF Fill Point	●
Remote DEF Tank Connection	Δ
Standard: ● Not Available: x Optional: Δ	

TRAILER - Optional

DOT Approval	●
LED Lights	●
Electric Brakes	●
Access Platform Fenders	●
3" Pintle Eye Hitch	●
7 Pin Towing Electrics	●
Tie Down Points	●
Heavy Duty Jack	●
Fire Extinguisher	Δ
Black Paint Finish (Trailer & Rims)	●
Standard: ● Not Available: x Optional: Δ	

CANOPY

Lockable Maintenance Access Doors	●
Control Panel Viewing Window	●
Single Lift Point	●
Fork Lift Pockets	x
Fluid Containment with Drain Point	●
4 Point Tie Down	●
High Density Fire Retardant Foam	●
Yellow Paint	●
Other Paint Finishes	Δ
Heavy Duty Rental Base	●
Zintec Steel Canopy	●
Integrated High Level Access Ladder	x
Self-Latching Cable Access Points	●
Door Retention Catches	●
External Emergency Stop Button	●
Waterproof Document Holder	Δ
Standard: ● Not Available: x Optional: Δ	