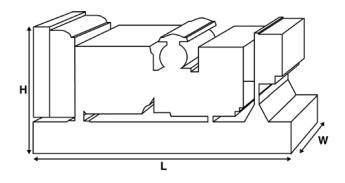


Output Ratings				
Voltage, Frequency	y	Prime		
400/230V, 50 Hz	kVA kW	2500 2000		



Ratings at 0.8 power factor.

Please refer to the output ratings technical data section for specific generator set outputs per voltage.



Dimensions and Weights				
Length	mm	6038		
Width	mm	2180		
Height	mm	2900		
Weight (Dry)	kg	13478		
Weight (Wet)	kg	13878		

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034, BS5000 and NEMA MG-1.22.

Generator set pictured may include optional accessories.

Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load as defined in ISO 8528-1) in lieu of commercially purchased power. There is no limitation to the annual hours of operation

Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

FG Wilson offer a range of optional features to allow you to tailor our generator sets to meet your power needs. Options available include:

- Upgrade to CE Certification
- A wide range of Sound Attenuated Enclosures
- A variety of generator set control and synchronising panels
- · Additional alarms and shutdowns
- A selection of exhaust silencer noise levels

For further information on all of the standard and optional features accompanying this product please contact your local Dealer or visit:

www.fgwilson.com



Ratings and Per	formance Data			
Engine Make		Perkins		
Engine Model:		4016-61TRG3X		
Alternator Make		Leroy Somer		
Alternator Model:		LL9324R		
Control Panel:		DSE7410		
Base Frame:		Heavy Duty Fabricated Steel		
Circuit Breaker Type:		3 Pole ACB-Option		
Frequency:		50 HZ		
Engine Speed: RPM	rpm	1500		
Fuel Tank Capacity:	litres (US gal)	N/A (N/A)		
Fuel Consumption Prir		528.4 (139.6)		
Fuel Consumption Sta				
Engine Technica	l Data			
No. of Cylinders		16		
Alignment		60deg Vee		
Cycle		4 STROKE		
Bore	mm (in)	160 (6.3)		
Stroke	mm (in)	190 (7.5)		
Induction		TURBOCHARGED AIR TO WATER CHARGE COOLED		
Cooling Method		WATER		
Governing Type		ELECTRONIC		
Governing Class		ISO 8528		
Compression Ratio		13.0:1		
Displacement	L (cu. in)	61.1 (3730)		
Moment of Inertia:	kg m² (lb/in²)	20.72 (70803)		
Voltage		24		
Ground		Negative		
Battery Charger Amps		55		
Engine Weight Dry	kg (lb)	5570 (12280)		
Engine Weight Wet	kg (lb)	5847 (12890)		
Engine Perform	ance Data	50 Hz		
Engine Speed	rpm	1500		
Gross Engine Power Pr		2183 (2927.4)		
Gross Engine Power St				
BMEP Prime	kPa (psi)	2857.2 (414.4)		
BMEP Standby	kPa (psi)			



Fuel System							
Fuel Filter Type:			Replaceable Eler	Replaceable Element			
Recommended Fuel:			Class A2 Diesel				
Fuel Consumption at			100 % Load	75 % Load	50 % Load		
50 Hz Prime:	l/hr (US gal/	hr)	528.4 (139.6)	389.2 (102.8)	266.9 (70.5)		
50 Hz Standby	l/hr (US gal/	'hr) -			'		
(Based on diesel fuel with a	a specific gravity of	0.86 and conforming to BS28					
Air System			50 Hz				
Air Filter Type:			Replaceable Element				
Combustion Air Flow Pr	ime	m³/min (cfm)	175 (6180)				
Combustion Air Flow St	andby	m³/min (cfm)					
Max. Combustion Air In	take Restriction	kPa	3.7 (14.9)				
Cooling System			50 Hz				
Cooling System Capacit	У	l (US gal)	400 (105.7)	,			
Water Pump Type:			Centrifugal				
Heat Rejected to Water	& Lube Oil: Prime	kW (Btu/min)	830 (47201)				
Heat Rejected to Water	& Lube Oil: Stanc	lby kW (Btu/min)					
Heat Radiation to Room	*: Prime	kW (Btu/min)	236.8 (13467)				
Heat Radiation to Room	*: Standby	kW (Btu/min)					
Radiator Fan Load:		kW (hp)	77 (103.3)				
Radiator Cooling Airflov	v:	m³/min (cfm)	2184 (77127)				
External Restriction to C	Cooling Airflow:	Pa (in H2O)	250 (1)				
	bient conditions u on Dealer for powe	p to 50°C (122°F). r ratings at specific site condi	tions.				
Cil Filter Type:	<u>em</u>			Spin-On, Full Flow			
Oil Filter Type: Total Oil Capacity:	I (US gal)			238 (62.9)			
Oil Pan Capacity:	I (US gal)			238 (02.9)			
	i (US gai)			API CG 15W-40 CH ⁴	4		
Oil Type:				API (1 1) VV - 411 (H2	1		

Exhaust System		50 Hz	
Maximum Allowable Back Pressure:	kPa (in Hg)	4 (1.2)	
Exhaust Gas Flow: Prime	m³/min (cfm)	525 (18540)	
Exhaust Gas Flow: Standby	m³/min (cfm)		
Exhaust Gas Temperature: Prime	°C (°F)	560 (1040)	
Exhaust Gas Temperature: Standby	°C (°F)		



Alternator Physical	Data						
No. of Bearings:	1						
Insulation Class:	Н	H					
Winding Pitch:				2/3	2/3		
Winding Code				65			
Wires:				6	5		
Ingress Protection Rating:				IP23			
Excitation System:				AREP			
AVR Model:				D510			
Alternator Operatin	ng Data						
Overspeed: rpm			2250				
Voltage Regulation: (Steady	state)		+/- 0.5				
Wave Form NEMA = TIF:		50					
Wave Form IEC = THF:				2			
Total Harmonic content LL/l	_N:		3.5				
Radio Interference:			EN61000-6				
Radiant Heat: 50 Hz	kW (Btu/min)			79 (4493)			
Alternator Performa	ance Data 50 Hz:						
Alternator i errorina	arice Data 30 Hz.	415/240 V	400/230 V	380/220 V			
Voltage Code							
Motor Starting Capability*	kVA	4583	4264	3856			
Short Circuit Capacity	%	300	300	300			
Reactances	Xd	2.848	3.057	3.396			
	X'd	0.219	0.239	0.259			
	X"d	0.107	0.115	0.128			



Output Ratings 50 Hz				
		Prime		
Voltage Code	kVA	kW		
415/240V	2500	2000		
400/230V	2500	2000		
380/220V	2500	2000		
230/115V				
220/127V				
220/110V				
200/115V				
240V				
230V				
220V				





Dealer (Contact Deta	ails		

Documentation

Operation and maintenance manual including circuit wiring diagrams.

Generator Set Standards

The equipment meets the following standards: BS5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG-1.22.

Caterpillar (NI) Limited is the manufacturer of FG Wilson brand diesel generating sets, and our facilities manufacture products in the following locations: Brazil • China • India

With headquarters in Northern Ireland, FG Wilson products are distributed through a Global Dealer Network. To contact your local Sales Office, please visit the FG Wilson website at www.fgwilson.com.

In line with our policy of continuous product development, we reserve the right to change specification without notice.