



DGK45C Specifications				
Alternator	Generator Type		Revolving Field Brushless AC	
	Rated Output		kVA 45	
			kW 36	
	Voltage – Three phase		V 240, 480	
	Voltage – Single phase		V 120, 240, 277	
	Amps	Single phase - 120V		A 225 (4-wire)
		Single phase - 240V		A 112.5 (4-wire)
		Three phase - 240V		A 108.3
		Three phase - 480V		A 54.1
	Frequency		Hz 60	
	Rated speed		rpm 1800	
	Winding		3-phase, 4-wire Star with neutral / Zig-zag	
	Power factor		.8	
	Insulation class		F	
Excitation		Static excitation (brushless)		
No. of poles		4		
Engine	Type		Vertical Water-cooled 4cycle Diesel Engine	
	Model (Manufacturer)		4JG1T (ISUZU)	
	No. of Cylinders (bore x stroke)		(in./mm) 4 (3.75 x 4.21/95.4 x 107)	
	Continuous rated output		hp 57	
	Rated speed		rpm 1800	
	Displacement		Cu .in./liters 186.7/3.059	
	Combustion system		Direct Fuel Injection	
	Cooling method		Radiator	
	Lubricating method		Forced lubrication	
	Starting method		Electric	
	Fuel		Diesel	
	Lubricant oil		CC class or higher	
	Fuel tank capacity		gallons 70	
	Fuel Consumption	Full Load	gallons 2.75	
		75%	gallons 2.06	
		50%	gallons 1.48	
		25%	gallons .95	
	Lubricant volume		gallons 2.6	
	Cooling water volume		gallons 3.4	
	Starting motor capacity		V-kW 12V, 2.2 kW	
Charging alternator capacity		V-A 12V-50A		
Battery capacity		V-AH 12V-80AH		
Meters	Voltage/Frequency/Amperage/Hour			
Voltage Regulation	Automatic Voltage Regulator			
Shutdowns	Oil pressure, Water temperature		Lamp indication with shutdown	
Warning	Battery charge		Lamp indication	
Unit	Dimensions (L x W x H)		in./mm 69.7x36.2x53.1/1770x920x1350	
	Dry weight		lbs./kg 2513/1140	
Sound Level	No Load		53 dBA (23 feet)	
	Full Load		56 dBA (23 feet)	