



DGK70B Specifications

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Alternator	Generator Type		Revolving Field Brushless AC		
	Rated Output		kVA	70	
			kW	56	
	Voltage – Three phase		V	240, 480	
	Voltage – Single phase		V	120,139, 240, 277	
	Amps	Single phase - 120V		A	155.5 (4 wire), 168x2(Zig-zag)
		Single phase - 240V		A	77.8 (4 wire), 168(Zig-zag)
		Three phase - 240V		A	168
		Three phase - 480V		A	84
	Frequency		Hz	60	
	Rated speed		rpm	1800	
	Winding			3-phase, 4-wire Star with neutral / Zig-zag	
	Power factor			.8	
	Insulation class			H	
Excitation			Static excitation (brushless)		
No. of poles			4		
Engine	Type		Vertical Water-cooled 4cycle Diesel Engine		
	Model (Manufacturer)		4BG1T (ISUZU) EPA2		
	No. of Cylinders (bore x stroke)		(in./mm)	4 (4.13 x 4.92/105 x 125)	
	Continuous rated output		hp	82	
	Rated speed		rpm	1800	
	Displacement		Cu .in./liters	264.2/4.329	
	Combustion system			Direct Fuel Injection, Turbo Charger	
	Cooling method			Radiator	
	Lubricating method			Forced lubrication	
	Starting method			Electric	
	Fuel			Diesel	
	Lubricant oil			CD class or higher	
	Fuel tank capacity		gallons	120	
	Fuel Consumption	Full Load	gallons	4.39	
		75%	gallons	3.33	
		50%	gallons	2.38	
		25%	gallons	1.51	
	Lubricant volume		gallons	3.8	
Cooling water volume		gallons	4.5		
Starting motor capacity		V-kW	12V, 2.5 kW		
Charging alternator capacity		V-A	12V-60A		
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	82.3x34.6x48.8/2090x880x1240	
	Dry weight		lbs./kg	2745/1245	
Sound Level	No Load			62 dBA (23 feet)	
	Full Load			65 dBA (23 feet)	