

## IEL - MITSUBISHI - DIESEL GENERATOR - MODEL: MDG22

### POWER RATINGS

Model Number	Voltage range				Standby Power			Prime Power			
		Phase	pf	Hz	kW	kVA	Amps	kW	kVA	Amps	
<b>MDG22</b>	120/240	1	1	60	22	25	60	18	23	50	
	120/208	3	0.8	60	22	25	50	18	23	45	
	120/240	3	0.8	60	22	25	60	18	23	50	
	277/480	3	0.8	60	22	25	30	18	23	30	
	600	3	0.8	60	22	25	25	18	23	20	

### ENGINE DATA

Basic Engine Data				Valve Train				Valve in head			
Manufacturer	MITSUBISHI S4Q2			Emissions				Tier 3			
Naturally-aspirated	YES			EPA Certified				Yes			
Cylinders	4			Engine Governor				Mechanical Governor			
Displacement Liters	2.5			Steady regulation electronic				Hz no load to full load 0.5%			
Bore (mm)	88			Cooling System				Water cooled radiator type			
Stroke (mm)	103			Type of system				Pressurized			
Cylinder head material	Cast Iron			Water pump				Sealed			
Engine Electrical System	12 Volt			Type of fan				Pusher			
Glow plugs	Yes			Fuel System				Diesel			
Battery charge alternator	55 amp			Fuel				Diesel			
Starter motor	12V			Recommended lead acid battery				Group 34 / 850 CCA			
Ground polarity	Negative			Combustion				Compression Ignition			
LOAD	100%	75%	50%								
FUEL CONSUMPTION L / HR.	6.5	4.5	3								

### ALTERNATOR

#### Basic Alternator Data

Type	4 - pole			Coupling arrangement				Close			
Rotor insulation	Class "H"			Load capacity (standby)				110%			
Stator insulation	Class "H"			Load capacity (prime)				100%			
Total harmonic factor	Less than 2%			Brushless				AVR			
Telephone influence factor (TIF)	Less than 50			Volts change 100% load step				Under 3%(% sec)			
Alternator cooling	Self ventilating			Voltage regulation				2% all loads to 100%			
Bearings	Single			Temperature rise				125°C			

### MDG15 Series Dimensions and Weights (ESTIMATED subject to change without notice - call to confirm)

	Standard Dimension						Shipping dimensions					
	Open		Enclosed		Attenuated		Open		Enclosed		Attenuated	
	ins	cm	ins	cm	ins	cm	ins	cm	ins	cm	ins	cm
"H" height	48	122	*70	178	*70	178	48	122	*70	178	*70	178
"W" width	34	87	38	97	38	97	34	87	38	97	38	97
"L" length	**65	166	**71	181	**90	230	**65	166	**72	182	**92	235

RAISED SKID 24" 95" HIGH 95" HIGH

\*\* WITH ENVIRO SKID C/W FUEL TANK (110 LITERS)  
10.10.2015