

MODEL : TM11UC DIESEL

11KW / 14KVA
Stand-by Power @ 60Hz

10KW / 13KVA
Prime Power @ 60Hz



Standard Features :

- Engine EPA/CARB, electric starter, charge alternator 12V , mech. Gov.
- Single bearing alternator IP21, insulation class H/H
- Radiator 50°C (122°F) max. T° air inlet with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Microprocessor controller
- Main line circuit breaker
- 12V battery, rack and cable
- Industrial silencer (loose)
- User manual

- SDMO provides a full line of products with high quality recognized engines and alternators.
- Microprocessor Digital Control Panel is equipped as standard on all models. Options are available which meet most applications.
- Generators sets provide one-step load acceptance as per NFPA 110.
- Each and every units is factory tested. All generator sets are also prototype tested.
- A one year limited warranty covers all systems and components. Two and five years extended are also available.
- Service and parts are available from SDMO distributors as a single source of responsibility.

GENERATOR RATINGS

Voltage	Hz	Phase	P.F	Standby Amps	Standby Ratings KW/KVA	Prime Ratings KW/KVA
480/277V	60	3	0.8	17	11 / 14	10 / 13
440/254V	60	3	0.8	18	11 / 14	10 / 13
220/127V	60	3	0.8	37	11 / 14	10 / 13
208/120V	60	3	0.8	39	11 / 14	10 / 13

Stand-By ratings are continuous for the duration of any power outage. No overload capacity is specified at this ratings. Prime ratings are continuous per BS 5514, DIN 6271, ISO-3046 and IEC 34-1 with 10% overload capacity one hour in twelve hours.

ENGINE DATA


<p>Manufacturer :</p> <p>Model :</p> <p>Cylinder Arrangement :</p> <p>Displacement :</p> <p>Bore and Stroke :</p> <p>Compression ratio :</p> <p>Rated RPM :</p> <p>Piston Speed :</p> <p>Max. Power at rated RPM :</p> <p>Frequency regulation, no load to full load :</p> <p>Frequency regulation, steady state :</p> <p>BMEP :</p> <p>Governor : type, make</p>	<p>mitsubishi</p> <p>S3L2W162SD , 4-cycle, Athmo , NC</p> <p>3 X L</p> <p>1.31 L (79.9 C.I.)</p> <p>78 mm (3.1 in.)X 92 mm (3.6 in.)</p> <p>22 : 1</p> <p>1800 Rpm</p> <p>5.52 m/s (18.1 ft./s)</p> <p>13.86 kW (19 BHP)</p> <p>3-5 %</p> <p>0.33 %</p> <p>6.36 bar (92 psi)</p> <p>Mechanical, GAC</p>		
<p>Exhaust System</p> <p>Exhaust gas flow</p> <p>Exhaust temperature</p> <p>Max back pressure</p> <p>Fuel System</p> <p>100%</p> <p>75%</p> <p>50%</p> <p>25%</p> <p>Total fuel flow</p> <p>Oil System</p> <p>Total oil capacity w/filters</p> <p>Oil Pressure low idle</p> <p>Oil Pressure rated RPM</p>	<p>43.9 L/s (93 cfm)</p> <p>400 °C (752 °F)</p> <p>700 mm CE (28 in. WG)</p> <p>NC</p> <p>3.2 L/h (0.8 gal/hr)</p> <p>2.5 L/h (0.7 gal/hr)</p> <p>18 L/h (4.8 gal/hr)</p> <p>4.2 L (1.1 gal)</p> <p>0.5 bar (7.2 psi)</p> <p>4 bar (58.0 psi)</p>	<p>Air intake</p> <p>Max. intake restriction</p> <p>Engine air flow</p> <p>Coolant System</p> <p>Ambient Temperature</p> <p>Radiator & engine capacity</p> <p>Max water temperature</p> <p>Outlet water temperature</p> <p>Fan power</p> <p>Fan air flow</p> <p>Engine heat rejection</p> <p>Emissions</p> <p>HC, gr/kwh (gr/BHPH)</p> <p>CO, gr/kwh (gr/BHPH)</p> <p>NOx, gr/kwh (gr/BHPH)</p>	<p>200 mm CE (8 in. WG)</p> <p>16.4 L/s (35 cfm)</p> <p>50°C (122°F)</p> <p>4.2 L (1.1 gal)</p> <p>111 °C (232 °F)</p> <p>93 °C (199 °F)</p> <p>0.4 kW (0 kW)</p> <p>0.7 m³/s (1483 cfm)</p> <p>12 kW (682 Btu/mn)</p> <p>0.20 (0.27)</p> <p>1.00 (1.34)</p> <p>7.10 (9.52)</p>

ALTERNATOR SPECIFICATIONS

Manufacturer :	Mecc-Alte	<ul style="list-style-type: none"> • Compliance with NEMA MG21, UTE NF C51.111, VDE 0530, BS 4999, CSA standards. • 2/3 pitch, 12 leads reconnectable. • Low reactance ($X''d < 12\%$). • Vacuum-impregnated windings with epoxy varnish. IP21 drip proof • Generator allows as standard sustained short circuit current of up to 300% of rated current for up to 10 seconds.
Type :	EC3 LA/4	
Pole : number	4	
Exciter type :	Compound	
Insulation : class, temperature rise	H / H	
Voltage regulator :	AVR	
Bearing : number, type :	1 , Sealed	
Coupling :	Direct	
Voltage regulation 0 to 100% load :	+/- 1%	
Recovery time (20% Volt dip) ms :	<500ms	
Reactance $X''d$, % :	12	
Heat rejection KW :	NC	
<i>Peak motor starting KVA :</i> (Maximum at 35% voltage dip)		
480V : SHUNT / With PMG	NC	
600V : Non available		

CONTROL PANEL

Microprocessor control panel is available on all the models. Compatible with 12 or 24 Volts Engine electrical systems.

	<p>Standard features :</p> <p>AC voltmeter, AC ammeter, Frequency meter, Engine shutdown : Oil pressure, High water temperature, Low water level, Overspeed, Overcrank. Engine parameters : Oil pressure, Water temperature, Fuel level, Running time meter, Battery voltage. Emergency Stop Button, Internal clock. Communication via a RS485 for remote management (software is an option)</p>
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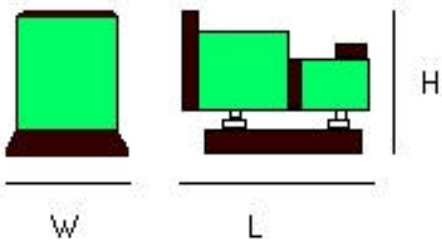
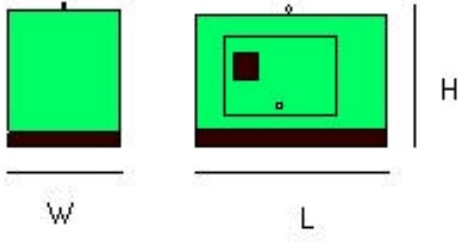
Optional :

- NFPA 110 level 1
- Remote annunciator for NFPA 110 Level 1

OPTIONS

<p>Engine and Radiator</p> <ul style="list-style-type: none"> <input type="checkbox"/> Isochronous governor <input type="checkbox"/> Heat shield protection <input type="checkbox"/> Oil drain extension <input type="checkbox"/> Heavy duty air filter <input type="checkbox"/> Lube oil drain pump <input type="checkbox"/> Radiator core guard <input type="checkbox"/> Battery charger <input type="checkbox"/> Block heater <p>Fuel</p> <ul style="list-style-type: none"> <input type="checkbox"/> Day tank <input type="checkbox"/> Subbase fuel tanks UL <input type="checkbox"/> Water separator fuel filter 	<p>Alternator</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anti condensation heater <input type="checkbox"/> Enforced impregnation <input type="checkbox"/> Oversized alternator <p>Exhaust</p> <ul style="list-style-type: none"> <input type="checkbox"/> Residential silencer <input type="checkbox"/> Critical silencer <input type="checkbox"/> Flexible exhaust conn. <p>Enclosure</p> <ul style="list-style-type: none"> <input type="checkbox"/> Silent 69db @ 23 Ft (stby) <input type="checkbox"/> Weather protective 	<p>Control panel</p> <ul style="list-style-type: none"> <input type="checkbox"/> NFPA110 level 1 <input type="checkbox"/> Remote annunciator <input type="checkbox"/> Oil temperature shutdown <input type="checkbox"/> Key start panel <p>Literature</p> <ul style="list-style-type: none"> <input type="checkbox"/> Parts <input type="checkbox"/> Maintenance <p>Warranty</p> <ul style="list-style-type: none"> <input type="checkbox"/> Extended warranty 2 years <input type="checkbox"/> Extended warranty 5 years
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Weights and Dimensions

<p>Open model</p> <p>Overall size l x w x h : 1400 mm x 780 mm x 1015 mm 55 in. x 30 in. x 39 in.</p> <p>Weight : 410 Kg Net 500 Kg ODM 904 lbs Net 1102 lbs ODM</p> <div style="text-align: center;">  </div>	<p>Sound attenuated (silencer mounted inside)</p> <p>Overall size l x w x h : 2010mm x 920mm x 1330mm 79in x 362in x 523in</p> <p>Weight: NC NC</p> <div style="text-align: center;">  </div>	