

# ENGINES



**Z482 -**  
6.8kW (Continuous)  
@ 3000rpm



**D722 -**  
10.3kW (Continuous)  
@ 3000rpm



**D1105 -**  
8.4kW (Continuous)  
@ 1500rpm



**D1703 -**  
12.8 kW (Continuous)  
@ 1500rpm



**V1505 -**  
11.1kW (Continuous)  
@ 1500rpm



**V1903 -**  
14.5kW (Continuous)  
@ 1500rpm



**V2203 -**  
17.2kW (Continuous)  
@ 1500rpm



**V2003-T -**  
20.4kW (Continuous)  
@ 1500rpm



**V3300 -**  
28.9kW (Continuous)  
@ 1500rpm



**V3300-T -**  
35.3kW (Continuous)  
@ 1500rpm

For further details, just call us.



## Sime Kubota Sdn Bhd

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A member of the Sime Darby Group



# Engineered For Reliability and Performance

**Technical Data**

Performance Data												
Model	SDG 10SBS	SDG 10TBS	SDG15TBS	SDG 20TBS	SDG25TBS	SDG 30TBS	SDG37TBS	SDG 45TBS	SDG 60TBS	SDG 80TBS	SDG 100TBS	
Rated speed (rpm)	3000	3000	1500	1500	1500	1500	1500	1500	1500	1500	1500	
Rated power factor	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Rated prime power (KVA)	10	10	15	20	25	30	37	45	60	80	100	
Rated standby power (KVA)	11	11	17	22	28	33.5	40	48	66	88	110	
Rated voltage (V)	220/240	415/240	415	415/240	415	415/240	415	415/240	415/240	415/240	415/240	
No of phases	Single Phase	3 - Phase	3	3 - Phase	3	3 - Phase	3	3 - Phase	3 - Phase	3 - Phase	3 - Phase	
Voltage regulation	within +/- 5%	within +/- 2%	-0.015	within +/- 1%	-0.015	within +/- 1%	-0.015	within +/- 1%	within +/- 1%	within +/- 1%	within +/- 1%	
Rated frequency (HZ)	50	50	50	50	50	50	50	50	50	50	50	
Sound level at 7 Meter	67db(A)	67db(A)	63db (A)	63db(A)	64db (A)	65db(A)	65db (A)	65db(A)	65db(A)	66db(A)	66db(A)	
Alternator												
Make	Maccoite	Maccoite	Marathon	Marelli	Marathon	Marelli	Marathon	Marelli	Marelli	Marelli	Marelli	
Excitation	Capacitor	A.V.R	Brushless, Rotating Exciter (with A.V.R)				Brushless, Rotating Exciter (with A.V.R)			Brushless, Rotating Exciter (with A.V.R)		
Insulation class	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	
Degree of protection (IP)	23	21	23	21	23	21	23	21	23	21	23	
Engine												
Make	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Perkins	Perkins	Perkins	Perkins	
Type	Vertical 4-cycle liquid cooled Diesel				Vertical 4-cycle liquid cooled Diesel				Vertical 4-cycle turbocharged Diesel			
Model	D722E	D722E	D1703	V2203	V2003-T-BG	V3300	V3300-T-BG	1103A-33TG1	1103A-33TG2	1104A-44TG2	1006TG2A	
Stand-by power (KW)	12.4	12.4	15	20.1	22.5	28.9	35.3	46.5	60.5	80.7	105	
Number of cylinders	3	3	3	4	4	4	4	3	3	4	6	
Bore (mm)	67	67	87	87	83	98	98	105	105	105	100	
Stroke (mm)	68	68	92.4	92.4	92.4	110	110	127	127	127	127	
Combustion system	E-TVCS	E-TVCS	E-TVCS	E-TVCS	E-TVCS	E-TVCS	E-TVCS	Direct injection	Direct injection	Direct injection	Direct injection	
Cooling system	Radiator cooling	Radiator cooling	Radiator Cooling	Radiator cooling	Radiator Cooling	Radiator cooling	Radiator Cooling	Radiator cooling	Radiator cooling	Radiator cooling	Radiator cooling	
Displacement (litre)	0.719	0.719	1.647	2.197	1.999	3.318	3.318	3.3	3.3	4.4	5.99	
Fuel tank capacity - litres	40	40	80	80	80	80	80	130	130	160	185	
Fuel consumption (litres/ hour)	3.1	3.1	3.9	4.2	4.7	5.6	6.2	8.2	10.5	14	16.5	
Starting system	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 24V DC	
Unit dimensions												
Length (mm)	1400	1400	1700	1880	1900	2020	2020	2270	2270	2620	2850	
Width (mm)	670	670	800	830	850	880	880	960	960	1000	1110	
Height (mm)	910	910	990	1010	990	1150	1150	1350	1350	1300	1400	
Dry weight (kg)	380	380	720	800	890	920	970	920	1220	1650	1850	

The Simemac sound proof generating sets providing quiet, dependable power to noise sensitive applications including oil & gas, food & beverage, banking sector, and etc. The generator deliver the power stability demanded by sectors including telecommunications and are suitable for continuous duty applications in construction sites.

**Standard scope of supply from instrument panel**

- High water temperature lamp
- Low lube oil pressure lamp
- Charge lamp
- Panel light switch
- Starting key switch
- Hour meter
- Engine stop button
- Safety shut down system for high water temperature and low lube oil pressure
- Voltage meter
- Frequency meter
- Amps meter
- Amps selector switch
- Voltage selector switch
- Main switch
- Earth leakage relay
- Powder coat paint finish canopy for durability & excellent resistance to corrosion.

**Optional Items**

- Open frame type diesel generating sets
- AMF switch board and autochangeover panel
- Mechanical and electrical installation

**Feature**



**Control Panel - AMF Terminal**  
The signals tabbed at one terminal. Easy connection to AMF Board. We offer flexibility and could be customize.



**Easy Maintenance**  
Two side doors for easy maintenance for change of fuel filter, oil filter, air filter and battery.



**Canopy Design- Base Mounted Fuel Tank**  
The SIMEMAC genset is equipped with built in fuel tank which can cater for 12 hours continues running. The fuel cap is placed to avoid damage and simplify refueling. The fuel tank is also lock-able to prevent theft of fuel.



**Canopy Design - Easy Transportation**  
Easy lifting using forklift by fork or using belt. Compact design, light weight and easy for transportation.



**Output Terminal**  
Spacious and Secured output terminal for the convenience of technical personnel. The terminal can screwed tight for avoid any LIVE wire contact.



**Easy Maintenance**  
Lube oil drain plug with ball valve control for easy oil change.



**Control Panel**

1. Voltmeter
2. Frequency meter
3. Ammeter
4. Circuit Breaker
5. Phase Indication Lamp
6. Earth Leakage Relay
7. Lamp
8. Warning Indicators
9. Hour Meter
10. Stop Button
11. Key Start Switch