

DIESEL GENERATOR SET TP500V

Rating

50HZ

kVA/kW	380V	400V	415V
Prime:	500/400	500/400	500/400
Standby:	550/440	550/440	550/440

60HZ

kVA/kW	220 -240V	440 - 480V	380V
Prime:	---	---	---
Standby:	650/520	650/520	650/520

DIMENSIONS & WEIGHT

Open

3140 x 1166x 1887	(mm)
3450	(kg)

Enclosed 75

6000 x 1600 x 3000	(mm)
7900	(kg)

Enclosed 85

4800 x 1600 x 2550 (mm)
6500 (kg)

Features

- CLLS Power provides one-stop service to integrated energy solutions.
- All gensets are tested before leaving our facilities.
- Complete with standard accessories for the convenience of installation.
- Genset comply to Singapore NEA requirements, EU and EPA Standards
- Our generator sets are design to providing dependable power and optimise performance in various applications.
- Covered with One year limited warranty / 1500 running hours upon commissioning /18 months upon site delivery, whichever occurs first.

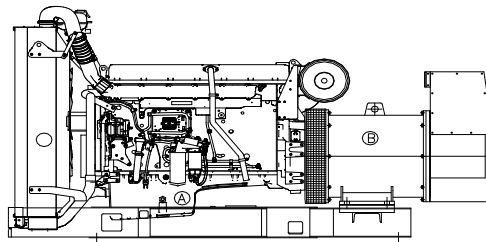
POWER DEFINITION

Prime Power

- Apply to applications where utility power is unstable or unavailable. At Prime rating, the operating hour is unlimited to the annual hours of operation at variable load. 10% overload power for 1 hour in 12 hours.

Standby Power

- Apply to applications where utility power is reliable. In the event of power interruption, standby power is available at variable load up to the designed rating. There is no overload capacity.



	1500rpm	1800rpm
VOLVO TAD1641GE		
Prime power (kWm)	430	485
Standby power (kWm)	473	546
Displacement (Litre)		16.1
Bore (mm)		144
Stroke (mm)		165
Formation		In-line
Cylinders		6
Cycle		4
Engine electrics (volt)		24
Piston speed(m/s)	8.3	9.9
Mean effective pressure, prime (MPa)	2.2	2.1
Mean effective pressure, standby (MPa)	2.4	2.3
Governor Type		Electronic

AIR CONSUMPTION

Combustion air, prime (m ³ /min)	35.5	44
Combustion air, standby (m ³ /min)	38	45.8

EXHAUST OUT

Exhaust gas volume, prime (m ³ /min)	85	100.6
Exhaust gas volume, standby (m ³ /min)	92	110.4
Exhaust backpressure (kPa)	10	
Exhaust gas temperature, prime (°C)	443	436
Exhaust gas temperature, standby (°C)	455	479

OIL SYSTEM

Oil pressure normal (kPa)	300-650
Sump capacity (litre)	48
Lub oil consumption 100% (l/h)	0.1 0.11

COOLANT SYSTEM

Coolant capacity (litre)	61	
Coolant flow (l/m)	384	462
Radiator air flow (m ³ /min)	546	654
Thermostat (°C)	95	

