

DIESEL GENERATOR SET TP130V

Rating

50HZ

kVA/kW	380V	400V	415V
Prime:	130/104	130/104	130/104
Standby:	140/112	140/112	140/112

60HZ

kVA/kW	220 - 240V	440 - 480V	380V
Prime:	-	-	-
Standby:	140/112	140/112	140/112

DIMENSIONS & WEIGHT

Open

2200 x 966 x 1292	(mm)
1250	(kg)

Enclosed 75

4000 x 1300 x 2325	(mm)
3200	(kg)

Enclosed 85

3200 x 1300 x 1700	(mm)
2000	(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.

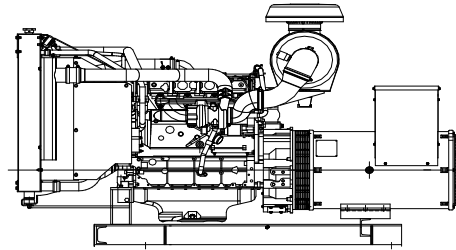
POWER DEFINITION

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 TAD532GE

Prime power (kWm)	113	114
Standby power (kWm)	125	126
Displacement (Litre)		4.76
Bore (mm)		108
Stroke (mm)		130
Formation		In-line
Cylinders		4
Cycle		4
Engine electrics (volt)		12
Piston speed(m/s)	6.5	7.8
Mean effective pressure, prime (MPa)	2	1.7
Mean effective pressure, standby (MPa)	2.2	1.9
Governor Type		Electronic

AIR CONSUMPTION

Combustion air, prime (m ³ /min)	7.6	9
Combustion air, standby (m ³ /min)	8.0	9.6

EXHAUST OUT

Exhaust gas volume, prime (m ³ /min)	21.2	24.3
Exhaust gas volume, standby (m ³ /min)	23.2	27.6
Exhaust backpressure (kPa)	5	7
Exhaust gas temperature, prime (°C)	507	484
Exhaust gas temperature, standby (°C)	532	528

OIL SYSTEM

Oil pressure normal (kPa)	450 - 480
Sump capacity (litre)	13
Lub oil consumption 100% (l/h)	0.08

COOLANT SYSTEM

Coolant capacity (litre)		20.2
Coolant flow (l/m)	162	204
Radiator air flow (m ³ /min)	150	186
Thermostat (°C)		95

DIESEL GENERATOR SET TP130V

OPTIONAL

Engine

- Heavy Duty Air Filter
- Fuel Water Separator
- Oil Level Maintainer

Cooling System

- Antifreeze 50/50
- Block Heater
- Remote Radiator
- Heat Exchanger

Alternator

- Space Heater
- Droop Kit
- RTD
- PMG

Starting System

- Ni-Cad Batteries
- Plante Batteries

Control Box

- Key Start
- Auto-Start
- AMF
- Synchronizing

Electrical System

- 3P/4P MCCB

Fuel System

- Day Tank - Free Standing
- Day Tank - Sub-base
- Storage Tank

Silencers

- Critical Silencer
- Absorptive Silencer

SERVICE & MAINTANENCE

- Comprehensive maintenance contract available.

CONTACT US

CLLS POWER SYSTEM LTD

23 TUAS AVENUE 2
SINGAPORE 639454

TEL: +65 6264 2922

FAX: +65 6862 1145

Email: powersystem@cls.com.sg

Website: www.cls.com.sg

CLLS Power System Sdn Bhd

Email:

Sungai Penaga Industrial Park

USJ 1, 47500 Subang Jaya

CLLS Power System Sdn Bhd

Lot. 530, Persi +603 - 5632 1577

Sungai Penaga +603 - 5632 3126

Email: powersystem.mal@cls.com.my

FUEL CONSUMPTION (l/h)

	1500rpm	1800rpm
110% Load	33.1	36.0
100% Load	27.8	33.3
75% Load	22.1	24.8
50% Load	15.7	17.6

HEAT BALANCE (110%)

Heat content fuel (kWm) @ 42.8MJ/kg

	1500rpm	1800rpm
To work	125	129
To water	63	68
To convection	13	14
To exhaust	104	116

ALTERNATOR

Type	Brushless	
Insulation	Class H	
Voltage regulation	±1%	
Design	IP23	
Bearing	Single	
Sustained short circuit	300%	
Pitch	2/3	
Efficiency @ 0.8pf,		
100%	92.9%	94.8%
75%	93.4%	95.3%
50%	91.7%	93.6%

OPERATION REQUIREMENTS

Exhaust Flow Rate - Prime (m ³ /min)	21.2	24.3
Exhaust Temperature - Prime(°C)	507	484
Maximum Back Pressure (kPa)	3	5

CONTROLLER OPTIONS

AMF Controller

- Stylish, compact and easy to navigate
- Complete Genset monitoring and protection functions
- History log on event and performance for easy troubleshooting
- kWh monitoring
- Built-in Earth Fault & Over Current protection
- Wide range of communication interfaces

Auto Start

- Monitoring, protection, operational status, fault conditions and metering display on back-lit LCD Screen
- Configuration of parameters
- Robust electronics package
- All set points and I/O's configurable via front panel

Key Start

- All at one glance monitoring
- Direct Access, functional and reliable
- Clear labelling
- Low Maintenance