

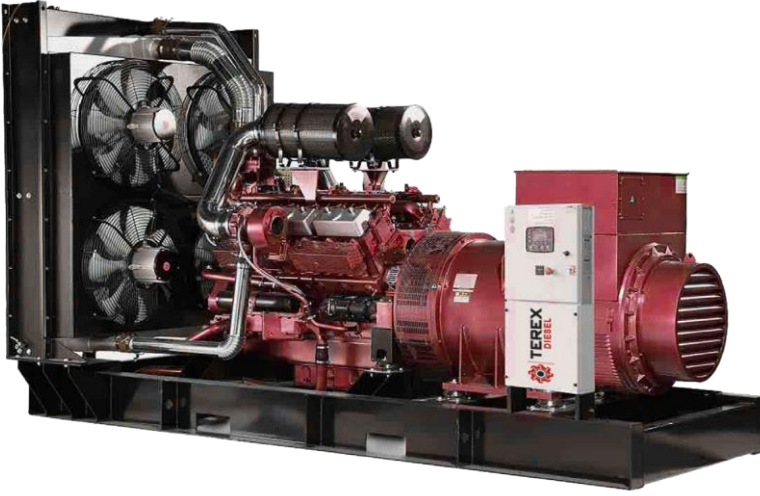
# TRX-S-300

## Diesel Generator



# TEREX

## DIESEL



### Generator Features

- 4 stroke 1500 rpm water cooled heavy duty diesel engine
- Radiator capable of cooling up to 50 °C
- 4-pole synchronous type, single bearing, brushless alternator
- Flexible fuel hoses and oil drain valve
- Welded steel sheet, powder coated electrostatic powder coated chassis
- Dry type replaceable air filter
- MEngine jacket water heater
- Chassis integrated fuel tank
- Industrial type silencer
- Electronic battery charger
- Electric circuit diagram
- Operation and maintenance manual
- Manual start protection system
- Battery and cables

### Prime Power

Limited time operating power under variable load. It is used as backup power in case of mains power outages. Overloads are not allowed.

### Standby Power

Continuous operating power under variable load. According to ISO 3046 standard, 10% overload is allowed in 12 hours operation.

### Generator Features

		Prime	Stand-by
Power	kVA	270	300
Power	kW	218	240
Generator Model	TEREX-S / TRX-Q-300		
Engine Model:	SST9H217		
Fuel Type:	Diesel		
Frequency:	50 Hz		
Power Factor:	Cos $\Phi$ = 0.8		
Voltaj:	400/231 V		
Dimensions		With cabin	Without cabin
Lenght	mm	3400	2600
Heigh	mm	2110	1800
Width	mm	1250	1050
Weight	kg	2900	2200
Fuel Tank Capacity	lt	380	350

H: External

K: Container

TBA: to be aadded



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### Engine

Engine Brand		SDEC
Engine Model:		SST9H217
Engine Type:		4 Stroke Diesel Engine
Engine Stan-by Power:	kWm	250
Engine Prime Prime:	kWm	228
Cylinder Arrangement:		6L
Total Cylinder Arrangement:	lt	8,82
Cooling System:		Water
Broke-Stroke:	mm	114 x 144
Compression Ratio:		16,5:1
Aspiration:		Turboşarj, Intercooler
Governör Type:		Electronic
Electrical System:	VDC	24
Lubricant Oil Capacity:	lt	27
Coolant Capacity:	lt	56
Frequency Lt:	Hz - d/dk	50 - 1500
Jacket Water Heater:	quantity x W	1 x 1500
Battery:	quantityx AH	2 x 120
Charge Alternator Current:	A	55
Injection System:		Direct
Cooling Air Flow:	m7/dk	TBA
Combustion Air Flow:	m7/dk	TBA
Exhaust Gas Flow:	m7/dk	TBA
Exhaust Gas Temperature:	°C	600
Fuel Consumption Under 100% Load:	lt/s	54,1
Fuel Consumption Under 75% Load:	lt/s	40,8
Fuel Consumption Under 50% Load:	lt/s	27,3

### Alternetör

Phase / Pole Number:		3/4+
Excitation System:		Self Excited, Brushless
Voltage Regulator:		A. V. R. (Automatic)
Voltage Regulation:		±%1
Insulation Class:		H
Protection Class:		IP23
Connection Type:		Star
Frequency:	Hz	50
Power Factor:		Cos $\Phi$ = 0,8
Total Harmonic Distortion (No Load):		< % 3.5
Output Voltage:	VAC	231/400

TBA: to be added

# TRX-S-300

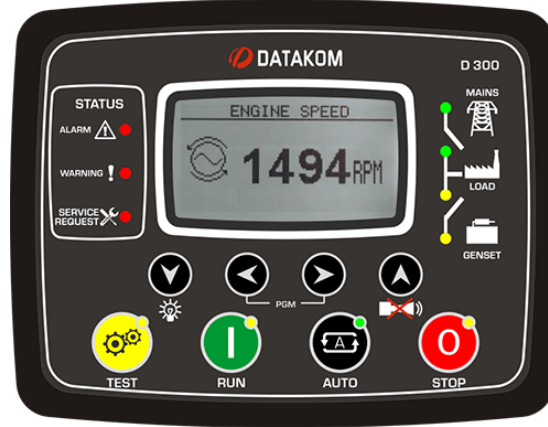
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### Control Panel



**Datakom D300**

#### Datakom D300 Automatic Control Module

AMF function ATS function

Remote start function Manual start function Engine control function

Suitable for remote monitoring

#### Mains and Genset LL- LN Voltages

Mains and generator frequency Mains and genset phase currents Mains and generator neutral currents

Grid and generator phase and total, kW, kVA, kVAR Power factor, engine speed, battery voltage and more

#### Connections

3 phase 4 wire, stars & delta

3 phase 3 wire, 2 current transformer

2 phase 3 wire

1 phase 2 wire

#### Communication

RS232 – 485 connection with cable J1939-CANBUS

GSM / GPRS connection Ethernet connection

Modbus RTU

#### Protection Functions

- Overvoltage
- Low voltage
- Voltage asymmetry and phase sequence High frequency
- Low frequency Short-circuit current Overcurrent
- Power factor
- Coolant temperature Low oil pressure

#### Auto Panel Features

- Automatic generator, grid control and fault monitoring Easy control with a user-friendly interface from the panel screen
- Remote operation with optional communication cards Manual programming with password-protected service interface
- Manual control of generator and transfer panel with buttons on the front panel
- Front panel protection class IP65
- With an operating temperature of -20 C to +70 C and a storage temperature of -40 C to +80 C



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