

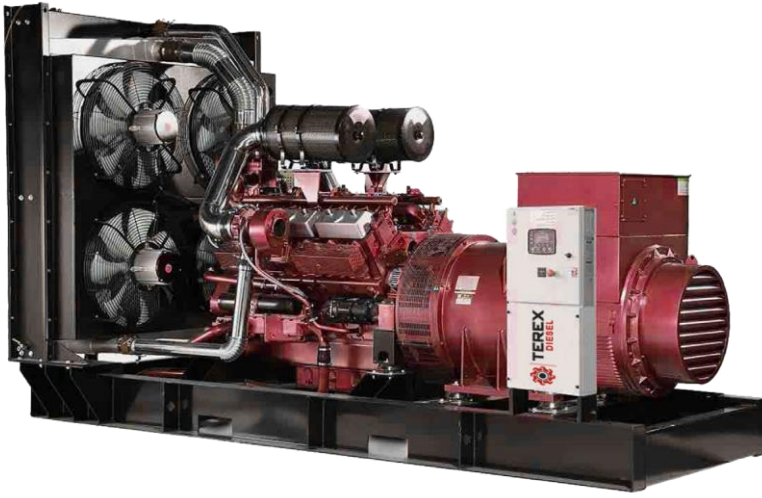
TRX-S-410

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.

Generators Features

		Prime	Stand-by
Power	kVA	372	410
Power	kW	300	328
Generator Model	TEREX-S / TRX-S-410		
Engine Model:	SST13H380		
Fuel Type:	Diesel		
Frequency:	50 Hz		
Power Factor:	Cos Φ = 0.8		
Voltaj:	400/231 V		
Dimensions		With cabin	Without cabin
Lenght	mm	3350	3200
Heigh	mm	2730	2001
Width	mm	1400	1300
Weight	kg	4020	3000
Fuel Tank Capacity	lt	570	500

H: External

K: Container

TBA: to be aaded



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www.terexgen.com.tr

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Motor

Engine Brand		SDEC
Engine Model:		SST13H380
Engine Type:		4 Stroke Diesel Engine
Engine Stan-by Power:	kWm	308
Engine Prime Prime:	kWm	280
Cylinder Arrangement:		6L
Total Cylinder Arrangement:	lt	12,88
Cooling System:		Water
Broke-Stroke:	mm	135 x 150
Compression Ratio:		16:1
Aspiration:		Turboşarj, Intercooler
Governör Type:		Electronic
Electrical System:	VDC	24
Lubricant Oil Capacity:	lt	41
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 150
Charge Alternator Current:	A	55
Injection System:		Direct
Cooling Air Flow:	m ³ /dk	17,8
Combustion Air Flow:	m ³ /dk	TBA
Exhaust Gas Flow:	m ³ /dk	44,2
Exhaust Gas Temperature:	°C	600
Fuel Consumption Under 100% Load:	lt/s	65,2
Fuel Consumption Under 75% Load:	lt/s	47,1
Fuel Consumption Under 50% Load:	lt/s	31,6

Alternetör

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

TBA to be added

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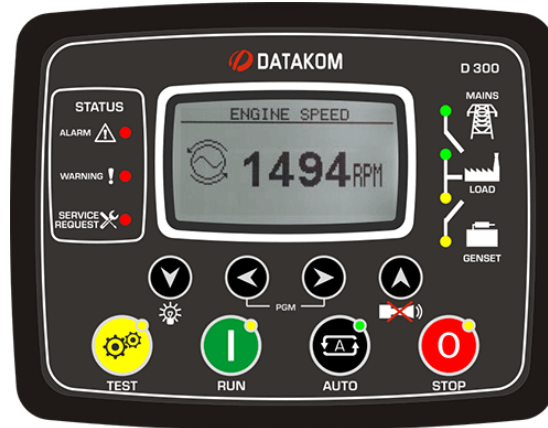
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Control Panel



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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