

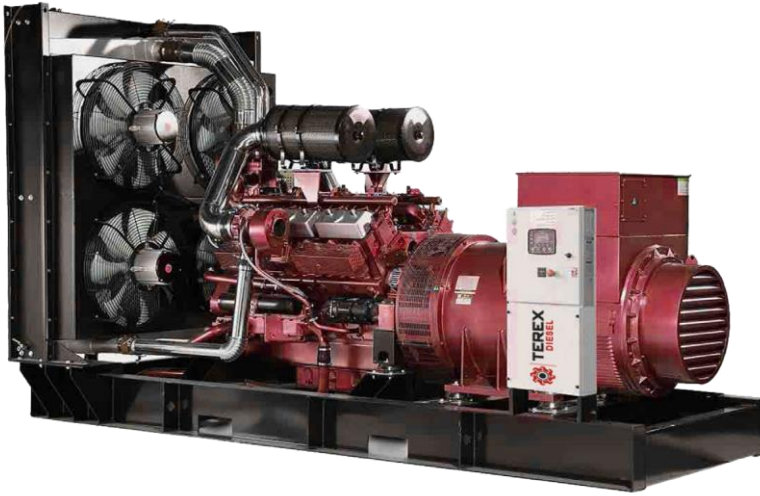
TRX-YD-28

Diesel Generator

















TEREX

DIESEL



Generator Dimensions

-  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	25	28
Power	kW	20	22
Generator Model	TEREX / TRX-YD-28		
Engine Model:	Y495G		
Fuel Type:	Diesel		
Frequency:	50 Hz		
Power Factor:	Cos Φ = 0.8		
Voltaj:	400/231 V		
Dimensions		With cabin	Without cabin
Lenght	mm	2000	1600
Heigh	mm	1570	1120
Width	mm	1000	950
Weight	kg	970	745
Fuel Tank Capacity	lt	85	120

H: External

K: Container

TBA: to be added



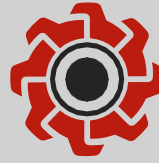
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Engine

Engine Brand		YANG DONG
Engine Model:		Y495G
Engine Type:		4 Stroke Diesel Engine
Engine Stan-by Power:	kWm	23,1
Engine Prime Prime:	kWm	20
Cylinder Arrangement:		4L
Total Cylinder Arrangement:	lt	2,54
Cooling System:		Water
Broke-Stroke:	mm	90 x 100
Compression Ratio:		18:1
Aspiration:		Natural Aspiration
Governor Type:		Mecanic
Electrical System:	VDC	12
Lubricant Oil Capacity:	lt	6,8
Coolant Capacity:	lt	13,5
Frequency Lt:	Hz - d/dk	50 - 1500
Jacket Water Heater:	quantityx W	1 x 500
Battery:	quantityx AH	1 x 60
Charge Alternator Current:	A	TBA
Injection System:		Direct
Cooling Air Flow:	m ³ /dk	61
Combustion Air Flow:	m ³ /dk	1,4
Exhaust Gas Flow:	m ³ /dk	3,7
Exhaust Gas Temperature:	°C	500
Fuel Consumption Under 100% Load:	lt/s	6,2
Fuel Consumption Under 75% Load:	lt/s	4,6
Fuel Consumption Under 50% Load:	lt/s	3

Alternetör

Phase / Pole Number:		3/4+
Excitation System:		Self Excites, 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 Φ = 0,8
Total Harmonic Distortion (No Load):		< % 3.5
Output Voltage:	VAC	231/400

TBA: to be added



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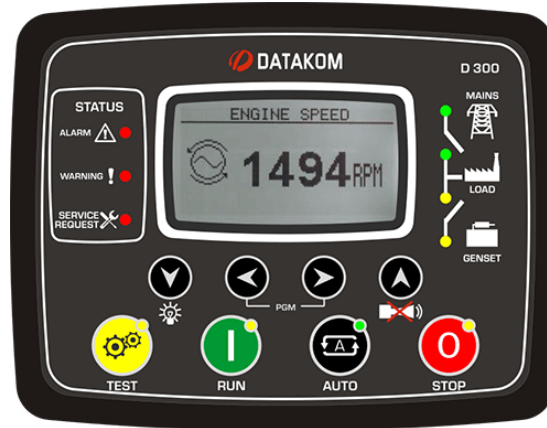
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Control Panel



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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