



STANDARD SCOPE OF SUPPLY

Diesel Engine; Engine with direct injection, water cooled engine, 4 stroke, rated at 1500 RPM, conforming to ISO 3046 / BS 5514 has the following specifications:

- Mechanical governor /Electronic Governor (Optional)
- Turbocharge and intercooler, pulse tuned exhaust manifold, stainless steel exhaust flexible connection
- Radiator Cooled
- Plate type, lube oil, cooler
- Filters-fuel, lube oil
- Dry type replaceable paper element air cleaner
- Flywheel housing and flywheel to suit single bearing alternator
- Starting motor
- Electric, battery charging alternator
- First fill lube oil and coolant

Alternator; Flexible disc, Close coupled

- Brushless alternator
- Self-excited, self-regulated
- Class 'H' insulation limited to temperature rise of class H
- Salient pole revolving field
- Single bearing
- AVR - Automatic voltage regulator

Canopy; Modular type, sound isolation cabinet

- Base rail with draw-out type fuel tank is provided with a drain plug, air Vent, inlet and outlet connections, level indicator, manhole etc.
- Sub-base fuel tank with 8 hours capacity at 100% load.
- 12V dry, batteries with connecting leads and terminals
- Custom color application



Diesel Engine

1500 RPM / 50 Hz.

230/400 VAC - 3 Phase - Cos ϕ 0,8

Auto / Manuel – Open / Canopied Type

Customizable design according to your request...

GENERATOR SPECIFICATIONS

Manufacturer	Turqpower Generator
Model	TP – DF 460
Production Place	Turkey
Stand by Power (kVA / kW)	460 / 368
Prime by Power (kVA / kW)	420 / 336

ENGINE SPECIFICATIONS

Manufacturer	Shangai Dongfeng
Model	SYG142TAD38
No. of Cylinders & Type	6 & Line
Displacement (lt)	14,6
Bore & Stroke (mm)	135 x 165
RPM	1500
Air Filter Type	Dry
Cooling Method	Water

ENGINE ELECTRICAL SYSTEM

Charging Alt. Voltage (VDC)	24
Starter Voltage (VDC)	24

FUEL SYSTEM

Fuel Type	Diesel
Fuel Tank Capacity (lt)	850
Fuel Consumption (lt/h)	94,7

LUBRICATING SYSTEM

Lubricating capacity (lt)	40,0
Grade	15W40 API CI4
Change Periods (hours)	250

COOLING SYSTEM

Cooling Capacity (lt)	65,0
Max. Ambient Temp. (°C)	50
Change Periods (hours)	250

ALTERNATOR SPECIFICATIONS

Voltage (VAC)	230 / 400
Frequency (Hz)	50
Type	4 Pole
Cos ϕ	0,8
Insulation	H
Protection Class	IP23
Bearing	Single
Coupling	Flexible Disc

CONTROLLER SYSTEM

Manufacturer	Datakom
Model	D300 MK2
Production Place	Turkey
Language	English (to be customized)
Display	128x64 graphical LCD
Security	3 level configuration password
Communication	USB – J1939 - CANBUS
IP Protection	IP65



DIMENSIONS

OPEN TYPE	
Length (mm)	3700
Width (mm)	1400
Height (mm)	2250
Weight (kg)	3300

DIMENSIONS

WITH CANOPY TYPE	
Length (mm)	3700
Width (mm)	1400
Height (mm)	2550
Weight (kg)	3700

*Turqpower Generator reserves the right to make change in the model, technical spect, equipment and accessories without prior notice

**Updated January 2021