



### 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)
- Turbocharger and aftercooler pulse tuned exhaust manifold, stainless steel exhaust flexible connection
- Radiator Cooled, aftercooler
- 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  $\phi$  0,8**

**Auto / Manuel – Open / Canopied Type**

**Customizable design according to your request...**

### GENERATOR SPECIFICATIONS

|                           |                     |
|---------------------------|---------------------|
| Manufacturer              | Turqpower Generator |
| Model                     | TP – B 1900         |
| Production Place          | Turkey              |
| Stand by Power (kVA / kW) | 1900 / 1520         |
| Prime by Power (kVA / kW) | 1727 / 1382         |

### ENGINE SPECIFICATIONS

|                         |              |
|-------------------------|--------------|
| Manufacturer            | Baudouin     |
| Model                   | 16M33G1900/5 |
| No. of Cylinders & Type | 16 & Vee     |
| Displacement (lt)       | 52,3         |
| Bore & Stroke (mm)      | 150 x 185    |
| 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) | 2500   |
| Fuel Consumption (lt/h) | 364,3  |

### LUBRICATING SYSTEM

|                           |               |
|---------------------------|---------------|
| Lubricating capacity (lt) | 175,0         |
| Grade                     | 15W40 API CI4 |
| Change Periods (hours)    | 250           |

### COOLING SYSTEM

|                         |       |
|-------------------------|-------|
| Cooling Capacity (lt)   | 400,0 |
| Max. Ambient Temp. (°C) | 50    |
| Change Periods (hours)  | 250   |

### ALTERNATOR SPECIFICATIONS

|                  |               |
|------------------|---------------|
| Voltage (VAC)    | 230 / 400     |
| Frequency (Hz)   | 50            |
| Type             | 4 Pole        |
| Cos $\phi$       | 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) | 5000 |
| Width (mm)  | 2300 |
| Height (mm) | 2500 |
| Weight (kg) | 8800 |

### DIMENSIONS

|                  |       |
|------------------|-------|
| WITH CANOPY TYPE |       |
| Length (mm)      | 9000  |
| Width (mm)       | 2500  |
| Height (mm)      | 2750  |
| Weight (kg)      | 14800 |

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

\*\*Updated January 2021