

## TJ560PE

## Diesel Generator Sets (50 Hz / 60 Hz)

| Power Output Ratings |     | 50 Hz / 400 V | 60 Hz / 440 V |
|----------------------|-----|---------------|---------------|
| Standby Power (ESP)  | kVA | 560           | 574           |
|                      | kW  | 448           | 459           |
| Prime Power (PRP)    | kVA | 510           | 508           |
|                      | kW  | 408           | 407           |

| Manufacturer         PERKINS           Origin         U.S.A.           Model         2506A-E15TAG2           No of Cylinder / Configuration         6 - INLINE           Displacement         it         15,2           Bore / Stroke         mm         137 / 171           Compression Ratio         16:1           Aspiration         Turbocharged and Air-to-Air Charged Cooled           Governor Type         ELECTRONIC/ECM           Cooling System         WATER           Coolant Capacity         it         58           Lubrication Oil Capacity         it         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           Fuel Consumption         It/h         110 %         111         116           100 %         100         102         75 %         76         78           50 %         53         53         53         53           Exhaust Outlet Temperature         °C         550         550         550           Exhaust Gas Flow         m³/min         36,6         38 <tr< th=""><th>Engine</th><th></th><th></th><th></th></tr<> | Engine                         |                |  |                  |  |
|---|--------------------------------|----------------|--|------------------|--|
| Model         2506A-E15TAG2           No of Cylinder / Configuration         6 - INLINE           Displacement         it         15,2           Bore / Stroke         mm         137 / 171           Compression Ratio         16:1           Aspiration         Turbocharged and Air-to-Air Charged Cooled           Governor Type         ELECTRONIC/ECM           Cooling System         WATER           Coolant Capacity         it         58           Lubrication Oil Capacity         it         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           Fuel Consumption         it/h         110 %         111         116           Fuel Consumption         it/h         75 %         76         78           50 %         53         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Manufacturer                   |                | PERKINS                                    |                  |  |
| No of Cylinder / Configuration   15,2   | Origin                         |                | U.S.A.                                     |                  |  |
| Displacement   It   | Model                          |                | 2506A -E15TAG2                             |                  |  |
| Bore / Stroke         mm         137 / 171           Compression Ratio         16:1           Aspiration         Turbocharged and Air-to-Air Charged Cooled           Governor Type         ELECTRONIC/ECM           Cooling System         WATER           Coolant Capacity         It         58           Lubrication Oil Capacity         It         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | No of Cylinder / Configuration |                | 6 - INLINE                                 |                  |  |
| Compression Ratio   | Displacement                   | lt             | 15,2                                       |                  |  |
| Aspiration         Turbocharged and Air-to-Air Charged Cooled           Governor Type         ELECTRONIC/ECM           Cooling System         WATER           Coolant Capacity         It         58           Lubrication Oil Capacity         It         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Bore / Stroke                  | mm             | 137 / 171                                  |                  |  |
| Cooling System  | Compression Ratio              |                | 16:1                                       |                  |  |
| Cooling System         WATER           Coolant Capacity         It         58           Lubrication Oil Capacity         It         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38  | Aspiration                     |                | Turbocharged and Air to-Air Charged Cooled |                  |  |
| Coolant Capacity         it         58           Lubrication Oil Capacity         it         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Governor Type                  | ELECTRONIC/ECM |  |                  |  |
| Lubrication Oil Capacity         it         62           Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           Fuel Consumption         110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Cooling System                 |                | WATER                                      |                  |  |
| Electrical System         VDC         24           Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           Fuel Consumption         110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38  | Coolant Capacity               | lt             | 58   |                  |  |
| Speed / Frequency         1500 rpm / 50 Hz         1800 rpm / 60 Hz           Engine Gross Power         kWm         495         514           Fuel Consumption         110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Lubrication Oil Capacity       | lt             | 62   |                  |  |
| Engine Gross Power         kWm         495         514           Fuel Consumption         It/h         110 %         111         116           100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38  | Electrical System              | VDC            | 24   |                  |  |
| Fuel Consumption     It/h     110 %     111     116       100 %     100     102       75 %     76     78       50 %     53     53       Exhaust Outlet Temperature     °C     550     550       Exhaust Gas Flow     m³/min     98     105,3       Combustion Air Flow     m³/min     36,6     38   | Speed / Frequency              |                | 1500 rpm / 50 Hz                           | 1800 rpm / 60 Hz |  |
| Fuel Consumption         It/h         100 %         100         102           75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | Engine Gross Power             | kWm            | 495  | 514              |  |
| Fuel Consumption         It/h         75 %         76         78           50 %         53         53           Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   |                                | 110 %          | 111  | 116              |  |
| 75 %     76     78       50 %     53     53       Exhaust Outlet Temperature     °C     550     550       Exhaust Gas Flow     m³/min     98     105,3       Combustion Air Flow     m³/min     36,6     38   | Fuel Consumption It/h          | 100 %          | 100  | 102              |  |
| Exhaust Outlet Temperature         °C         550         550           Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   | i dei Consumption              | 75 %           | 76   | 78               |  |
| Exhaust Gas Flow         m³/min         98         105,3           Combustion Air Flow         m³/min         36,6         38   |                                | 50 %           | 53   | 53               |  |
| Combustion Air Flow m³/min 36,6 38  | Exhaust Outlet Temperature     | °C             | 550  | 550              |  |
|   | Exhaust Gas Flow               | m³/min         | 98   | 105,3            |  |
| Cooling Air Flow m³/min 722   | Combustion Air Flow            | m³/min         | 36,6                                       | 38               |  |
| Occurs All Flow   | Cooling Air Flow               | m³/min         | 722  | 866              |  |

| Alternator                         |     |  |           |  |
|------------------------------------|-----|--|-----------|--|
| Manufacturer                       |     | MARELLI                                      |           |  |
| Origin                             |     | ITALY  |           |  |
| Model                              |     | MJB355SA4                                    |           |  |
| No of Phase                        |     | 3  |           |  |
| Power Factor                       |     | 0,8  |           |  |
| No of Bearing                      |     | SINGLE                                       |           |  |
| No of Poles                        |     | 4  |           |  |
| No of Leads                        |     | 12   |           |  |
| Voltage Regulation ( Steady State) |     | ± %0,5                                       |           |  |
| Insulation Class                   |     | Н  |           |  |
| Degree of Protection               |     | IP 23  |           |  |
| Excitation System                  |     | AVR (Automatic Voltage Regulator), Brushless |           |  |
| Connection Type                    |     | STAR   |           |  |
| Total Harmonic Content (No Load)   |     | < %2   |           |  |
| Frequency                          | Hz  | 50   | 60        |  |
| Voltage Output                     | VAC | 230 / 400                                    | 254 / 440 |  |
| Rated Power (Standby)              | kVA | 560  | 625       |  |
| Efficiency                         | %   | 94   | 93,7      |  |

|           | WxLxH(mm)          | Weight (kg) | Fuel Tank (It) | Noise (dBA) |
|-----------|--------------------|-------------|----------------|-------------|
| Canopied  | 1687 × 5019 × 2400 | 4946        | 935            | TBA         |
| Open Skid | 1300 x 3700 x 2030 | 3690        | 885            | TBA         |



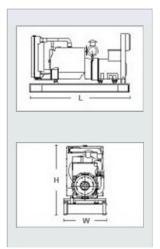


## Standby Power

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

## Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.



- Technical information and values are according to ISO8528, ISO3046,NEMA MG-1.22, IEC 60034-1, BS 4999-5000, VDE 0530 standards.
- Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
- All information given in this leaflet is intended for general purposes only. Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

TBA: To Be Ask TBD: To Be Determined NA: Not Avaliable N/A: Not Applicable www.teksangenerator.com

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