



TEKSAN DIESEL GENERATING SET
(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL

TJ80PR

GEN-SET POWER RATING

| | | |
|--|-----|----|
| *Stand-by Power | kVA | 80 |
| **Prime Power | kVA | 72 |
| *Stand-by Power is limited to 500 hours annual usage with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of the annual usage may be run continuously. No overload is permitted on standby power | | |
| **Prime power is an unlimited hours usage with an average load factor 80% of the published prime power rating over each 24 hour period. A 10% overload is available for one hour in every twelve hour operation | | |

DIMENSIONS W x L x H

| | | |
|-----------|----|---------------|
| Open Skid | mm | 750x1850x1270 |
| Canopied | mm | 900x2600x1570 |

FUEL TANK CAPACITY

| | | |
|-----------|----|-----|
| Open Skid | lt | 119 |
| Canopied | lt | 120 |

WEIGHT

| | | |
|-----------|----|------|
| Open Skid | kg | 1090 |
| Canopied | kg | 1400 |

ENGINE

| | | |
|--------------------------------|------|--------------|
| Manufacturer | | PERKINS |
| Model | | 1004TG |
| Governor Type | | Mechanical |
| Speed | rpm | 1500 |
| Net Stand-by Power | kWm | 72,3 |
| Net Prime Power | kWm | 65,7 |
| Cylinder number and config. | | In line - 4 |
| Bore/Stroke | mm | 100/127 |
| Displacement | lt | 3,99 |
| Compression ratio | | 16 |
| Aspiration | | Turbocharged |
| Cooling | | Water Cooled |
| Electrical system | V | 12 |
| Fuel Consumption | | |
| % 100 load | lt/h | 14,5 |
| % 75 load | lt/h | 10,9 |
| % 50 load | lt/h | 7,7 |
| Lub.Oil Capacity | lt | 8,1 |
| Coolant Capacity with radiator | lt | 18,7 |

ALTERNATOR

| | | |
|-----------------------------|-----|----------------|
| Manufacturer | | MARELLI |
| Model | | MJB200MB4 |
| Stand By Power | kVA | 80 |
| Power Factor | | 0,8 |
| Efficiency | % | 90,5 |
| Number of Bearing | | Single |
| Leads Number | | 12 |
| Voltage | V | 230/400 |
| Voltage Regulation Accuracy | | ±1% |
| Frequency | Hz | 50 |
| Insulation Class | | H |
| Protection | | IP23 |
| Excitation System | | Brushless, AVR |
| Connection | | Star |

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