



EGE140P

Powered by:

PERKINS 1006TAG1

140 Kva @ 50Hz

.....all about energy

| Generator Set Performance | | | |
|-------------------------------|-------|---------------------|----------------|
| | | P.R.P (1) | Standby (2) |
| Rated Output | KVA | 140 | 154 |
| Active Power Output @ phi=0.8 | KW | 112 | 123 |
| Rated Speed | r.p.m | 1500 | |
| Standard Voltage | V | 400 / 230 | |
| Voltage Available | V | 380/220 - 415 / 240 | |
| Phases | | 3 | |
| Frequency | | 50Hz | |
| Circuit Breaker | A | 225 | |

(1) Prime Power (P.R.P) - ISO 8528: Prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during a 24 hours period shall not exceed 80% of the prime power, 10% overload available for governing purpose only.

(2) Max-Standby Power - ISO 3046: Power available for use at variable loads for limited annual time (500hr), within the following limits of maximum operating time: 100% loads 25hr per year - 90% loads 200hr per year NO overload available. Applicable in case of failure of the main in areas of reliable electrical network.

Power reduction according to DIN ISO 3046, Standard values: Above 100m altitude approx 1% per 100m. Above 25°C (77° F) approx. 4% per 10°C (50° F).

| Engine Specification | | | |
|---|------|-----------------------------|--|
| Rated Output | | | |
| Manufacturer | | Perkins | |
| Engine Model | | 1006TAG1 | |
| 4stroke Diesel Engine - Combustion System | | Direct Injection | |
| Aspiration Type | | Turbocharged ; Aftercooled | |
| Cylinders , number and disposition | | 6 - inline | |
| Bore x Stroke | mm | 100 x 127 | |
| Total Displacement | L | 5.99 | |
| Cooling System | | Water | |
| Lub Oil Specifications | | 15W40 to ACEA E3 or API CH4 | |
| Compression Ratio | | 17 : 1 | |
| Fuel Consumption (at 100% load) | L/Hr | 31.5 | |
| Specific Oil Consumption (at full load) | % | 0.15 | |
| Lub Oil Maximum capacity | L | 19 | |
| Total Coolant Capacity | L | 37.22 | |
| Speed Governor | Type | Electronic | |
| Electric Circuit Voltage | V | 12V | |
| Starting System | | Electric | |
| Engine Derating | | 1.0 | |
| Cooling Fan | Type | Mechanical | |
| Air Filter | Type | Dry | |

The above performance data are valid as per the following spec:

-Diesel Fuel is according to BS2869 Class A2 or equivalent

-The coolant should be 50% antifreeze and 50% fresh water

| Synchronous Generator* | | |
|-----------------------------------|-------|---|
| Poles | No.s | 4 |
| Terminals | No.s | 12 |
| Revolution Speed | | 1500 rpm |
| Insulation | class | H |
| Enclosure (according to IEC-34-5) | | IP23 |
| Maximum Admitted Overload | | 10% for 1 hour every 12 hours of running |
| Alternator Derating | | 1.0 |
| Voltage Regulation | | AVR (Electronic) |
| Steady Voltage Precision | | within±1.5% from no load to full loading with cos 0.8 |

*Alternator used by MANLIFT Gensets meet the standard requirements.

| Generator Set Options and Accessories | | |
|---------------------------------------|----------------------------|-----------------------------------|
| Engine | Alternator | Generator Set |
| ■ Lub oil heater | ■ Anti-condensation heater | ■ Battery charger |
| ■ Water jacket heater | ■ PMG excitation | ■ Enclosure: aluminum, steel |
| ■ Electronic governor | ■ Single phase | or weather protective |
| | | ■ Export box packing |
| | | ■ Main line circuit breaker |
| Fuel System | Cooling System | ■ AMF panel |
| ■ 12 hours dual wall sub-base tank | ■ 50C (122F) ambient cooli | ■ Digital panel |
| ■ 24 hours dual wall sub-base tank | ■ Remote radiator cooling | ■ Automtic transfer switchs |
| ■ Singlel wall sub-base tank | | ■ Synchronizing panel |
| ■ External fuel tank | | ■ Extended warranty up to 5 years |

| Generating Set Transport Data | | |
|---|---------|---------------|
| Weight And Dimensions OPEN GENSET | | |
| Length | m - ft | 2.4 - 7.87 |
| Width | m - ft | 0.9 - 2.95 |
| Height | m - ft | 1.4 - 4.71 |
| Dry Weight (With Standard Accessories) | kg - lb | 1,455 - 3,200 |

Specifications subject to change without notice

version 1



Dubai Head Office:

PO. Box 213645, Dubai, U.A.E.
Tel: +971 4 885 6065
Fax: +971 4 885 6034
info@manliftgroup.com

Abu Dhabi Branch:

PO. Box 95024, Abu Dhabi, U.A.E.
Tel: +971 2 550 2621
Fax: +971 2 550 2623
abudhabi@manliftgroup.com

Qatar Branch:

PO. Box 23135, Doha, Qatar
Tel: +974 351 0131
Fax: +974 466 6436
qatar@manliftgroup.com