

GENERATING SET

GE 6500 YDT

The images are for reference



FEATURES

- Manual recoil
- Output sockets: 1x 400V 16A 3P+N +T CEE
1x 230V 16A 2P+T CEE
- Circuit breaker
- Protective frame
- Portable
- Meets EC directives of safety



Air cooling



diesel



three-phase



manual recoil

POWER RATINGS

| | |
|------------------------------|--------------------------------|
| * Stand-by three-phase power | 6.5 kVA (5.2 kW) / 400V / 9.3A |
| * PRP three-phase power | 5.7 kVA (4.6 kW) / 400V / 8.2A |
| * PRP single-phase power | 4 kVA / 230V / 17.3A |
| * COP three-phase power | / |
| Frequency | 50 Hz |
| Cos φ | 0.8 |

* Output powers according to ISO 8528

DEFINITIONS

Valid declared powers up to the followings environmental conditions: temperature 25°C, altitude 100 meters above sea level)

LTP stand-by power: Maximum available power for use with variable loads for a yearly number of hours limited at 500 h. No overload is admitted.

PRP power: Continue power with variable loads. Maximum power for use with variable loads for a yearly unlimited numbers of hours.

COP power: COP Power: continuous power with constant load. Maximum power for use with constant loads for a yearly unlimited numbers of hours.

3000 RPM ENGINE

4-STROKE, DIRECT INJECTION, NATURAL ASPIRATED

| | |
|--|-------------------------------------|
| Model | YANMAR L 100 |
| * Stand-By net power | 6.3 kWm (8.5 hp) |
| * PRP net power | 5.7 kWm (7.7 hp) |
| * COP net power | / |
| Cylinders/ Displacement | 1 / 435 cm ³ (0.435 lt.) |
| Bore / Stroke | 86 / 75 (mm) |
| Compression ratio | 20 : 1 |
| BMEP (Brake Mean Effective Pressure : LTP - PRP) | / |
| Speed governor type | Mechanical |
| FUEL CONSUMPTION | |
| 110 % (Stand-By power) | 200 g/kWh - 1.5 lt./h |
| 100 % of PRP | 200 g/kWh - 1.3 lt./h |
| 75 % of PRP | 200 g/kWh - 1 lt./h |
| 50 % of PRP | 220 g/kWh - 0.75 lt./h |
| COOLING SYSTEM | |
| Total system cap. - only engine | / |
| Fan air flow | / |
| LUBRIFICATION SYSTEM | |
| Total oil system capacity | / |
| Oil capacity in sump | 1.6 lt. |
| Oil consumption at full load | / |

* Output powers according to ISO 3046-1

| | |
|-----------------------------------|--|
| EXHAUST SYSTEM | |
| Maximum exhaust gas flow | / |
| Max. exhaust gas temp. | / |
| Maximum back pressure | 3.3 kPa (0.033 bar - 330 mmH ₂ O) |
| External diameter exhaust pipe | / |
| ELECTRICAL SYSTEM | |
| Starter motor power | / |
| Battery charging alternator cap. | / |
| Cold star | 0°C |
| Cold start aids | / |
| AIR FILTER | |
| Combustion air flow | / |
| HEAT REJECTED AT FULL LOAD | |
| To exhaust system | / |
| To water and oil | / |
| Radiated to room | / |
| To charge cooler | / |

ALTERNATOR

| SYNCHRONOUS, THREE-PHASE, SELF-EXCITED, SELF-REGULATED | |
|--|------------------------------|
| Continuous power | 7 kVA |
| Stand-By power | 7.7 kVA |
| Tensione three-phase | 400 Vac |
| Frequency | 50 Hz |
| Cos ϕ | 0.8 |
| Model A.V.R. | / |
| Voltage regulation acc | ± 4 % |
| Sustained short circuit current | 3 In |
| Transient dip (100% load) | < 15 % |
| Recovery time | / |
| Efficiency at 100% load | 80.5 % (400V - Cos ϕ 1) |
| Insulation | Class H |
| Connection - Terminals | Stella - N°6 |
| Electromagnetic compatibility (R.F.I. suppr.) | EN55011 |
| Waveform distorsion - THD | < 4 % |
| Telephone interference - THF | / |

| REACTANCES (7 KVA - 400 V) | |
|-----------------------------------|--------------------|
| Direct axis synchronuos - Xd | 270 % |
| Direct axis transient - X'd | 20 % |
| Direct axis subtransient - X''d | 6.5 % |
| Quadrature axis synchronuos. - Xq | 150 % |
| Quadr. axis subtransient - X''q | / |
| Negative sequence - X2 | / |
| Zero sequence - X0 | / |
| TIME CONSTANTS | |
| Transient - T'd | 33 ms |
| Subtransient - T''d | 5.5 ms |
| Open circuit - T'do | 450ms |
| Armature - Ta | / |
| Short-circuit ratio Kcc | 0.60 |
| IP protection degree | IP 23 |
| Cooling air flow | 0.062/ m³/sec |
| Coupling - Bearing | Direct J609b - N°1 |

GENERAL SPECIFICATION

| | |
|---------------------------|---------|
| Tank capacity | 5.5 lt. |
| Running time (75% of PRP) | 5.5 h |
| Start battery | / |
| IP protection degree | IP 23 |

| | |
|--|--------------------------|
| * Measured acoustic power LwA (pressure LpA) | 99 dB(A) (74 dB(A) @ 7m) |
| Performance class | G2 |

* Acoustic power according to European Directive 2000/14/CE

CONTROL PANEL

- Output sockets: 1x 400V 16A 3P+N +T CEE
1x 230V 16A 2P+T CEE
- Voltmeter
- Circuit breaker
- Earth terminal (PE)

WEIGHT - DIMENSIONS AND ACCESSORIES

GE 6500 YDT



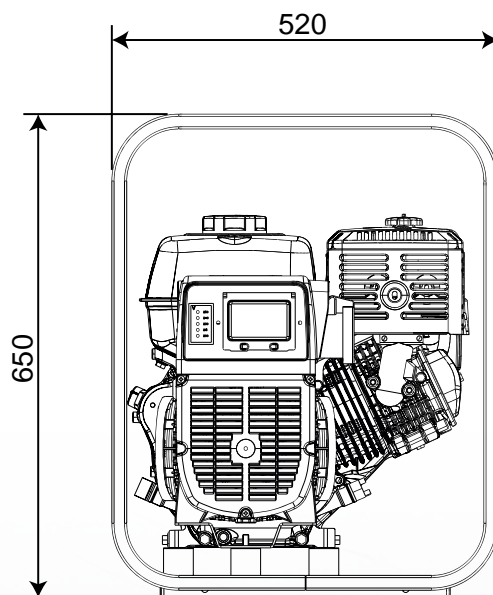
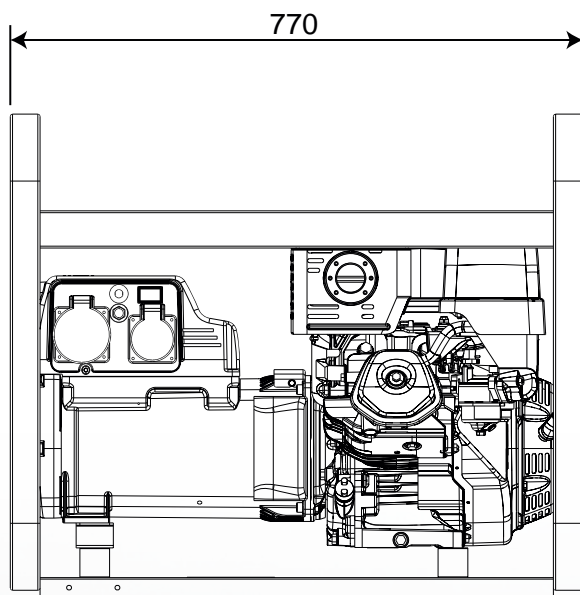
DRY WEIGHT OF MACHINE:

- 97 kg

Generating set pictured may include optional accessories.



DIMENSIONS PICTURE



OPTIONS ON REQUEST

- Earthing kit
- Moving trolley CM8



VERSIONS ON REQUEST

- /



FACTORY INSTALLATION OPTIONS

- ELCB-GFI (Ground Fault Interruptor)

GENERAL INFORMATION

COMPLIANCE GENERATING SETS WITH EC DIRECTIVES AND STANDARDS

2006/42 / EC (Machines Directive)
2014/35 / EU (Low Voltage Directive)
2014/30 / EU (EMC Directive)
2000/14 / EC (Directive Acoustic Emission for machines for use outdoors)
ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2015 - Cert. 0192

WARRANTY

All devices are covered by the manufacturer's warranty.

The company reserves the right to change this specification without notice. For further information please contact the sales department.

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