

GENERATING SET GE S-7554 YDT

The images are for reference



FEATURES

- Engine shut down for low oil level
- Circuit breaker
- Fuel level gauge
- Isometer
- Protective and partially hooded stretcher
- Not compliant with noise directive 2000/14/EC



air cooled



diesel



three-phase



electric start



silenced

4 STROKE OHV, NATURAL ASPIRATED	
* Stand-By single-phase power (LTP)	7 kVA (5.4 kW)/ 400V/ 10A
* Stand-By single-phase power (LTP)	6 kVA (4.8 kW)/ 400V/ 8.7A
* PRP single-phase power	5 kVA /230V/ 21.7A
* COP single-phase power	/
Frequency	50 Hz
Cos φ	0.8

* Output powers according to ISO 8528-1

DEFINITION

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

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

ENGINE 3000 RPM

4 STROKE OHV, NATURAL ASPIRATED	
Model	YANMAR L100N
* Stand-By net power	6.5 kWm (8.8 hp)
* PRP net power	5.7 kWm (7.7 hp)
* COP net power	/
Cylinders / Displacement	1 / 435 cm ³
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)	1.5 lt./h
100 % to PRP	1.3 lt./h
75 % to PRP	1 lt./h
50 % to PRP	0.8 lt./h
COOLING SYSTEM	
Total system cap. - only engine	/
Fan air flow	/
LUBRICATION SYSTEM	
Total oil system capacity	/
Oil capacity in sump	1.6 lt.
Oil consumption at full load	/

EXHAUST SYSTEM	
Maximum exhaust gas flow	/
Max. exhaust gas temp.	/
Maximum back pressure	4.3 kPa
External diameter exhaust pipe	/
ELECTRICAL SYSTEM	
Starter motor power	0.8 kW
Battery charging alternator cap.	15 A
Cold start	0°C
With cold start aid	/
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, SINGLE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuous power	9 kVA
Stand-by power	10 kVA
Three phase voltage	380-415 Vac
Frequency	50 Hz
Cos φ	0.8
Model A.V.R.	Analogyc
Voltage regulation acc.	± 1 %
Sustained short circuit current	3 I _n
Transient dip (100% load)	< 25 %
Recovery time	< 0.5 sec.
Efficiency at 100% load	/
Insulation	Classe F/H
Connection - Terminals	Star - N°4
Electromagnetic compatibility (R.F.I. suppr.)	EN 61000-6-2 EN 61000-6-3
Waveform distortion - THD	< 5 %
Telephone interference - THF	/

REACTANCES (9 kVA - 400 V)	
Direct axis synchronous - X _d	/
Direct axis transient - X' _d	/
Subdirect axis transient - X'' _d	/
Quadrature axis synchronous - X _q	/
Quadr. axis subtransient - X'' _q	/
Negative sequence - X ₂	/
Zero sequence - X ₀	/
TIME CONSTANTS	
Transient - T' _d	/
Subtransient - T'' _d	/
Open circuit - T' _{do}	/
Armature - T _a	/
Short-circuit ratio K _{cc}	/
IP protection degree	IP 54
Cooling air flow	/
Coupling Bearing	Direct - N°1

GENERAL SPECIFICATIONS

Fuel tank capacity	20 lt.
Running time (75% to PRP)	20 h
Starter battery	12 Vdc -18Ah (AE)
IP protection degree	IP 54

* Acoustic power L _{WA} (pressure L _{pA})	99 dB(A) (74 dB(A) @ 7m)
Performance class (ISO 8528)	G2

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

CONTROL PANEL - Iso

- Engine start and stop key
- Low oil pressure stop warning light
- Battery charge alarm light
- Multifunction digital instrument: Voltmeter - Frequency meter - Total hour counter - Partial hour counter (resettable)
- Fuel gauge
- Fuel cock
- Switch magnetermic
- Insulation monitor
- Output sockets: 1x 400V 16A 3P+N+T CEE (IP67)
2x 230V 16A 2P+E Schuko
- Earth terminal (PE)

CONTROL PANEL - GFI (DGVU)

- Engine start and stop key
- Low oil pressure stop warning light
- Battery charge alarm light
- Multifunction digital instrument: Voltmeter - Frequency meter - Total hour counter - Partial hour counter (resettable)
- Fuel gauge
- Fuel cock
- Switch magnetermic
- Insulation monitor
- Output sockets: 1x 400V 16A 3P+N+T CEE (IP67)
2x 230V 16A 2P+E Schuko
- Earth terminal (PE)



WEIGHT - DIMENSIONS AND ACCESSORIES

GE S-7554 YDT



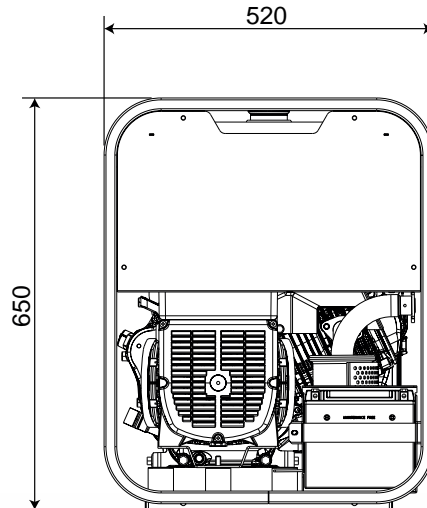
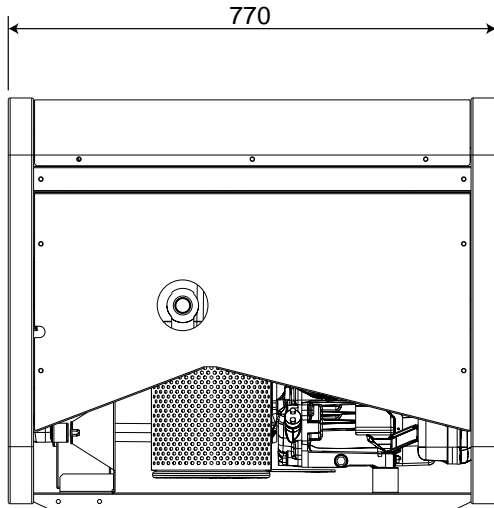
DRY WEIGHT MACHINE:

- 141 kg

Generating set pictured may include optional accessories.



DIMENSIONS DRAW (mm)



OPTIONS ON REQUEST

- Earthing kit
- Moving trolley CM8



VERSIONS AVAILABLE

- | | |
|----------|------------|
| CK5P80T2 | ISO |
| CK5P80U2 | GFI (DGUV) |

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)
- ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2008 - Cert. 0192

WARRANTY

All devices are covered by the manufacturer's warranty.

Non-contractual document. Specification subject to change without notice.

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