

# GENERATING SET GE 3500 MI

The images are for reference



## FEATURES

- Automatic voltage regulation
- Engine shutdown due to low oil level
- ESC function (Engine Speed Control)
- Electric and manual start
- Sockets: 2x230V 16A 2P+T Schuko
- Overload protection
- Battery charger with thermal protection
- Output for parallel with a second generator
- 2 USB ports
- Compliant with CE directives



air  
cooled



petrol



single-phase  
power



manual recoil



electric  
starter

## POWER RATINGS

|                               |                         |
|-------------------------------|-------------------------|
| * Stand-By single-phase power | 3.4 kW / 230 V / 14.8 A |
| * PRP single-phase power      | 3.2 kW / 230 V / 13.9 A |
| Frequency                     | 50 Hz                   |
| Cos φ                         | 1                       |

\* 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 illimited nubers of hours.

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

## VARIABLE SPEED MOTOR (MAX. 4000 rpm)

### 4 STROKE, OHV, NATURAL ASPIRATED

|                                                  |                                   |
|--------------------------------------------------|-----------------------------------|
| Model                                            | GK 160Vi                          |
| * Stand-By net power                             | 4 kW (4000 rpm)                   |
| * PRP net power                                  | /                                 |
| * COP net power                                  | /                                 |
| Cylinders / Displacement                         | 1 / 163 cm <sup>3</sup> (0.163 l) |
| Bore / Stroke                                    | 62 x 54                           |
| Compression ratio                                | /                                 |
| BMEP (Brake Mean Effective Pressure : LTP - PRP) | /                                 |
| Speed governor type                              | /                                 |
| <b>FUEL CONSUMPTION</b>                          |                                   |
| 110 % (Stand-by power)                           | /                                 |
| 100 % to PRP                                     | 1.8 l/h                           |
| 75 % to PRP                                      | 1.45 l/h                          |
| 50 % to PRP                                      | 1.1 l/h                           |
| <b>COOLING SYSTEM</b>                            |                                   |
| Total system cap. - only engine                  | /                                 |
| Fan air flow                                     | /                                 |
| <b>LUBRICATION SYSTEM</b>                        |                                   |
| Total oil system capacity                        | /                                 |
| Oil capacity in sump                             | 0.45 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             | / |
| External diameter exhaust pipe    | / |
| <b>ELECTRICAL SYSTEM</b>          |   |
| Starter motor power               | / |
| Battery charging alternator cap.  | / |
| Cold start                        | / |
| With cold start aid               | / |
| <b>AIR FILTER</b>                 |   |
| Combustion air flow               | / |
| <b>HEAT REJECTED AT FULL LOAD</b> |   |
| To exhaust system                 | / |
| To water and oil                  | / |
| Radiated to room                  | / |
| To charge cooler                  | / |

## ALTERNATOR

### PERMANENT MAGNET, SELF-EXCITED, SELF-REGULATED, BRUSHLESS

|                           |       |
|---------------------------|-------|
| Waveform distortion - THD | ≤ 3 % |
|---------------------------|-------|

## GENERAL SPECIFICATIONS

|                           |        |
|---------------------------|--------|
| Fuel tank capacity        | 8 lt.  |
| Running time (75% to PRP) | 5.5 h  |
| Starter battery           | 0.8 Ah |
| IP protection degree      | IP 23  |

|                                                |                              |
|------------------------------------------------|------------------------------|
| * Measured acoustic power LwA (pressure LpA)   | 90.2 dB(A) (65.2 dB(A) @ 7m) |
| * Guaranteed acoustic power LwA (pressure LpA) | 92 dB(A) (67 dB(A) @ 7m)     |
| Performance class (ISO 8528)                   | G2                           |

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

## CONTROL PANEL

- Electric start button
- Pull start
- 3-position switch: engine ON-OFF/ Fuel tap/ Choke control
- ESC (Engine Speed Control) switch
- Generator LED OK
- Overload led
- Low oil level led
- Output sockets: 2x 230V 16A 2P+T Schuko
- Thermal circuit breaker for 230V/16A socket protection
- 12 Vdc socket (battery charger)
- Thermal circuit breaker for 12Vdc output protection
- N°2 USB ports (1x5V1A – 1x5V 2.1A)
- Parallel output
- Earth terminal (PE)

Generating set pictured may include optional accessories.



### DRY WEIGHT MACHINE:

- 28.5 kg



### DIMENSIONS:

- 580×345×520 mm



### OPTIONS ON REQUEST

- Parallel Kit



### VERSIONS ON REQUEST

- /



### FACTORY INSTALLATION OPTIONS

- /

## 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.

