



WELDING GENERATOR GM 5-200 KBM

The images are for reference

WELDING PROCESS



Shielded Metal Arc welding SMAW (STICK)



FEATURES

- Arc welding source in D.C. welding
- A.C. generator, single-phase
- Protective frame with central lifting eye
- Engine shut down for low oil level (oil alert)
- Thermal protection for welding circuit
- Thermal protection for generator sockets
- Differential protection (on request)
- Compliant with EC / EU Directives

DEFINITIONS

SMAW: Coated electrode welding is an arc welding with protected metal.

GMAW: welding is an arc process with metal under gas protection.

FCAW (FLUX CORED): The process with cored wires is very similar to MIG / MAG welding. Continuous wire is not full but consists in a metal strip that wraps a powders core (flow).

GTAW: is a welding process that uses a tungsten electrode that cannot melt.



air cooled



petrol



manual recoil

ENGINE 3000 RPM

4-TEMPI, OHV, NATURAL ASPIRATED

| | |
|--|-------------------------------------|
| Model | KOHLER CH 440 COMMAND PRO |
| * Stand-by net power | / |
| * PRP net power | / |
| * COP net power | / |
| Cylinder / Displacement | 1 / 429 cm ³ (0.429 lt.) |
| Bore / Stroke | 89 / 69 (mm) |
| Compression ratio | 8.3: 1 |
| BMEP (Brake Mean Effective Pressure : LTP - PRP) | / |
| Speed governor type | Mechanical |
| FUEL CONSUMPTION | |
| 110 % (Stand-by power) | 4.4 lt./h |
| 100 % of PRP | 4.1 lt./h |
| 75 % of PRP | 3.1 lt./h |
| 50 % of PRP | 2.1 lt./h |
| 25% of PRP | |
| COOLING SYSTEM | |
| Total system cap. - only engine | / |
| Fan air flow | |

| | |
|-----------------------------------|---------|
| LUBRIFICATION SYSTEM | / |
| Total oil system capacity | 1.3 lt. |
| Oil capacity in sump | / |
| Oil consumption at full load | |
| EXHAUST SYSTEM | |
| Maximum exhaust gas flow | / |
| Max. exhaust gas temp. | / |
| Maximum back pressure | / |
| External diameter exhaust pipe | / |
| ELECTRICAL SYSTEM | |
| Starter motor power | / |
| Battery charging alternator cap. | / |
| Cold start | / |
| With cold start device | / |
| AIR FILTER | Dry |
| Combustion air flow | / |
| HEAT REJECTED AT FULL LOAD | |
| To exhaust system | / |
| To water and oil | / |
| Radiated to room | / |
| To charge cooler | / |

* Powers declared in accordance with ISO 3046-1



CHARACTERISTICS OF WELDING AND GENERATION

GM 5-200 KBM

C.C. WELDING

CONSTANT CURRENT

| | |
|----------------------|---|
| Current range | 40A / 21.6V ÷ 200A / 20V |
| Type of regulation | Step adjustment |
| Duty cycle | 160A / 26.4V - 60% (IEC Rating) 120A / 24.8 - 100% (IEC Rating) |
| Open circuit voltage | 85V |
| Arc force control | No |

GENERAL SPECIFICATIONS

| | |
|--------------------------------|---------|
| Fuel tank capacity | 7 l |
| Fuel consumption (welding 60%) | 2.7 l/h |
| Running time (welding 60%) | 2.6 h |

| | |
|-----------------------|----------------|
| Battery Starter | / |
| IP protection degree | IP 23 |
| Pressure acoustic LwA | 74 dB(A) @ 7 m |

A.C. GENERATION

ALTERNATOR SYNCHRONOUS SINGLE-PHASE, SELF-EXCITED, SELF-REGULATED

| | |
|------------------|---|
| Insulation class | H |
|------------------|---|

AUXILIARY GENERATION

| OUTPUT 1 | |
|--------------------------|--------------|
| Type of source | Single-phase |
| Frequency | 50 Hz |
| Power kVA (Power kW) Max | 5kVA (5kW) |
| Power kVA (Power kW) PRP | 4kVA (4kW) |
| Cos φ | 1 |
| Voltage | 230V |
| Current Max | 21.7A |
| Current PRP | 17.4A |

| OUTPUT 2 | |
|--------------------------|----------------|
| Type of source | Single-phase |
| Frequency | 50 Hz |
| Power kVA (Power kW) Max | 2.5kVA (2.5kW) |
| Power kVA (Power kW) PRP | 2kVA (2kW) |
| Cos φ | 1 |
| Voltage | 115V |
| Current Max | 21.7A |
| Current PRP | 17.4A |

The use of the auxiliary generation is recommended for welding tools (grinding wheels, electric hammers, lights, etc.)

CONTROL PANEL (230V)

- Manual recoil
- Engine switch ON- OFF
- Choke
- Range welding selector
- Welding current selector
- Welding sockets
- Thermal circuit breaker for 230V/16A sockets
- Output sockets: 1x 230V 16A 2P +T CEE
1x 230V 16A 2P+T SCHUKO
- Earth terminal (PE)

CONTROL PANEL (230V/115V)

- Manual recoil
- Engine switch ON- OFF
- Choke
- Range welding selector
- Welding current selector
- Welding sockets
- 3x thermal circuit breakers: 1x20A - 2x15A
- Output sockets: 1x 230V 16A 2P +T CEE
1x 110V 16A 2P+T CEE
- Earth terminal (PE)



WEIGHT - DIMENSIONS ACCESSORIES

GM 5-200 KBM

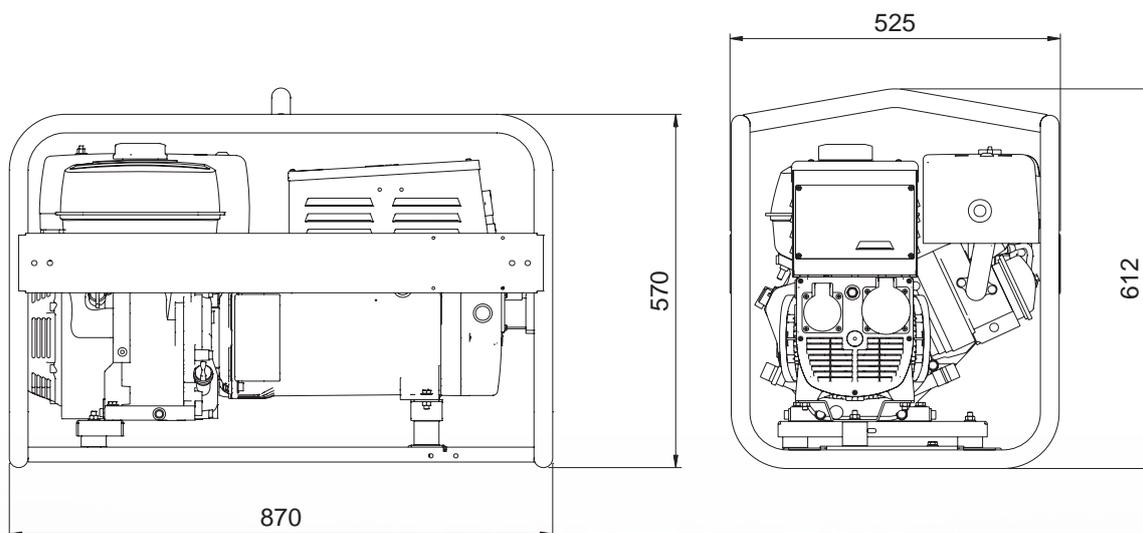


DRY WEIGHT:
• 99 Kg

The welding machine pictured may include optional accessories.



DIMENSION PICTURE



VERSIONS IN ADDITION TO THE STANDARD FEATURES

SAFETY

GFI (Ground Fault Interruptor)

OPTIONS ON REQUEST

- Welding kit (mask, gloves, etc.)
- Welding cables: K 200 (20+15m, 35mm²)
- Manual trolley CTM-GM5-200
- Carrying Kit TRM-MW200D
- Remote control extension
- Earthing kit

VERSIONS AVAILABLE

| | |
|-----------|----------|
| C1US9030 | STANDARD |
| C1US9050 | |
| C1US9030R | SAFETY |
| C1US9050R | |

GENERAL INFORMATION

COMPLIANCE GENERATING SETS WITH EC DIRECTIVES AND STANDARDS

- 2006/42 / EC (Machinery Directive)
- 2014/35 / UE (Low Voltage Directive)
- 2014/30 / UE (Electromagnetic Compatibility Directive)
- IEC-EN 60974-1 Arc welding equipment - Welding power sources
- IEC-EN 60974-10 Arc welding equipment - Electromagnetic compatibility (EMC) requirements



ISO 9001:2015 - 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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