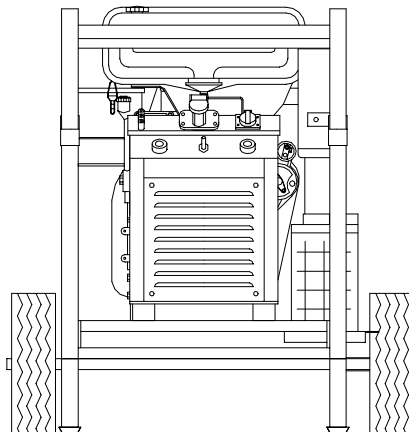
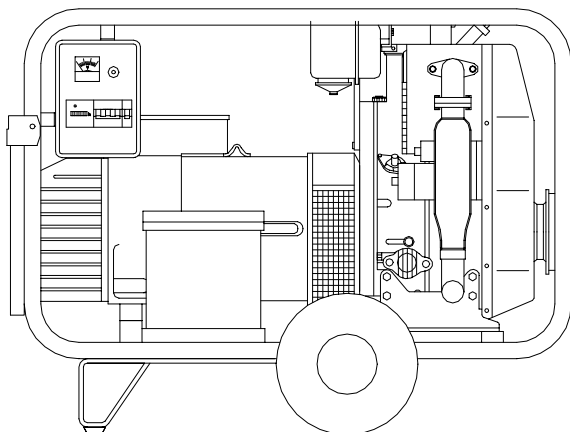


Industrial Welder

DS240R

OUTPUT as generator set 3000 rpm/50 Hz: 9 kVA, 7200 W
Maximum welding CURRENT with 5 mm electrode: 240 A



CONSTRUCTION

Unit consisting of engine and alternator mounted on a tubular steel profile frame using anti-vibration pads. The alternator is coupled directly to the crankshaft of the engine by way of a conical coupling system to obtain a rigid union.

Dimensions:
Weight:

1040x760x780 mm Length x Width x Height
180kg

ENGINE

Type.....4-stroke diesel engine with direct injection.
Manufacturer Ruggerini
Model MD-150
No. of cylinders.....2
Engine capacity 654 cc
Bore 80 mm
Stroke 65 mm
Compression ratio 17.8:1
Aspiration.....Atmospheric
Engine speed.....3000 rpm
Prime power 12.6 HP DIN Nb 6270
Fuel consumption 100% load 4.2 ltr/h
Fuel tank capacity.....7 litres
Approximate running time without refill.....1.6 hours
Noise level 83.2 dB (A) at 7 metres

Cooling system

Type.....Cooled by air forcing fan
Cooling air flow 12 m3/min

Lubrication system

Type.....Forced lubrication via gear type pump. Oil filter.
Oil sump capacity 1.2 litres
Consumption 0.027 kg/h

Aspiration system

Type.....Natural aspiration via oil soaked air filter.
Aspirated air flow 0.82 m3/min

Injection system

Injection pump submerged in block with centrifugal regulator. Fuel filter.

Electric system

12 V electric starting system. Axial starter motor. 46 A.h battery. Battery charge alternator. Oil pressure gauge (only for electric start-up version).

Protection system

Visual alarm if oil pressure too low. Optionally, alarm system with automatic engine shutdown if oil pressure too low.

Exhaust system

Collector silencer.

ALTERNATOR

Class H insulation. Windings impregnated in tropicalised varnish. Steel housing, cast iron lining and C50 steel axle. Permits 10% overload for 1 hour every 6 hours. With intermittent overload, 400% every 20 seconds.

Operation as a generator set:

Manufacturer MECCALTE
Model GS 240 STB B3/B9
Frequency.....50 Hz
Engine speed.....3000 r.p.m.
Output Data 380Vac/3~ 9 kVA
.....220Vac/1~ 5 kVA
.....110Vac/1~ 2.5 kVA
.....48Vac/1~ 3 kVA
battery charge.....12/24Vdc 25 A

Operation as a welding set:

Max. current 240 A
Voltage peak 75/85 V
Uninterrupted regulation 30/240 A
Welding voltage..... 22/32 V
Transmission power 13 Hp

The alternator includes: 2 terminals for welding operation (1 negative and 1 positive), single phase outlet, three phase outlet, power meter and 12-24 V battery charge outlet.

Supplied with wheels, handle and panel featuring three/single phase circuit breaker, voltmeter and hours run meter. Includes pincers and cable (3 m welding cable and 2m ground cable).

This welding set can be supplied with ELECTRIC START-UP. In this case it is supplied with battery.