

# CAS35WG

Compressor/Welder/Generator



## ► CAS35WG

The CAS35WG compressor contains a hydraulically driven 35 cfm (16.5 L/sec) reciprocating air compressor, 250-amp welder and 5000-watt generator. The unit is a self-contained package that mounts to the top of a mechanics truck sidepack in the same fashion as a standalone air compressor.

### Control Panel

- Remote-mounted on mechanics truck
- Standard 12' (3.7 m) cables

### Chassis Compatibility

- Tandem hydraulic pump can be mounted with appropriate amount of hydraulic torque and horsepower available
- Chassis applications that will work with this unit:
  - Ford 4x4 with engine rpm at 1900 will operate the welder/generator or crane or compressor (not simultaneously)
  - Ford 4x2 with engine rpm at 1350 will operate the crane and compressor or welder/generator
- Chassis applications that will not work with this unit:
  - Dodge 4500 / 5500 with automatic 4x4 or 4x2
  - Dodge 4500 / 5500 with manual 4x4

### Performance Data

Air Flow (cfm) @ 100 psi	35 cfm
Input Power (hp)	10.8 (max press)
Compressor Speed (rpm)	1400 (max)
Hydraulic Motor Flow (gpm)	10 (37.9 L/min)
Hydraulic Motor Pressure (psi)	1850 (125.9 bar)
Welder/Generator	250 A/5 kW
Driving Power (hp)	18 (full load)
Hydraulic Motor Speed (rpm)	3600
Hydraulic Motor Flow (gpm)	16 (60.6 L/min)
Hydraulic Motor Pressure (psi)	2050 (141.3 bar)

### Hydraulic Oil Reservoir

- 21 gal (74.5 L) reservoir
- Additional hydraulically operated equipment on circuit may need additional cooler

### Specifications

Model	CAS35WG
<b>Power Source</b>	Hydraulic system
Size	20.62"W x 47.75"L x 24"H (52.38 x 121.29 x 60.96 cm)
Weight (wet)	500 lb (226.8 kg)
<b>Compressor</b>	
Rated Capacity	35 cfm (0.99 m <sup>3</sup> /min)
Max. Compressor Operating Pressure	100 psi (6.9 bar)
Ambient Operating Temperature	0° – 120° F (-17.7° – 48.9° C)
<b>Welder/Generator</b>	
Welding Current	250 amps DC
Strike Voltage	90 volts
Duty Cycle	250 amps @ 85%
Generator Output	5 kW (7 hp)
Welder Leads	50' (15.2 m)
<b>Hydraulic System</b>	
Hydraulic Flow Required (comp & welder/gen)	10/16 gpm (37.8/60.5 L/min)
Normal Hydraulic Operating Pressure (comp & welder/gen)	1850/2050 psi (127.5/141.3 bar)
Max. Hydraulic Operating Pressure	2400 psi (165.5 bar)
Hydraulic Oil Cooler	Integrated
Hydraulic Oil Reservoir*	Min. 21 gal (74.5 L)

\*An auxiliary hydraulic oil cooler is recommended for use on hydraulic systems that are operating multiple pieces of equipment, such as a hydraulic crane and air compressor simultaneously.



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02/12