

**G PLUS LINE INDUSTRIAL DUTY SPECIFICATION SHEET**



**STANDARD FEATURES**

OUTPUT SUPPLY	
12 Leads	50Hz 415V Three Phase 240V Three Phase 240V Single Phase



- INSULATION**
- Class H
  - Tropic-proof windings
  - Winding pitch 2/3

- CONSTRUCTION**
- Frames 160 to 630
  - Steel body
  - Frame 160 and 200 - Cast iron terminal box and end shield
  - Standard mounting configuration

**ENCLOSURE**  
IP21

**DUTY**  
Continuous / Prime rating

- BEARINGS**
- 160 to 315 frame: sealed for life
  - 355 to 630 frame: re-greaseable with flush through system

**FAN**  
Cast aluminium

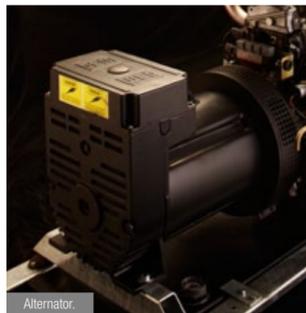
**STATOR AND STATOR EXCITER PROTECTION**  
Epoxy Paint WEG Term HPD 364  
- resistance against chemical and anti-corrosion

- OTHER FEATURES**
- 1045 carbon steel shaft
  - Alternator with 12 leads
  - Terminal block
  - Automatic Voltage Regulator encapsulated
  - Power to Automatic Voltage Regulator supplied by Auxiliary Winding
  - Permanent Magnets imbedded in the main exciter stator

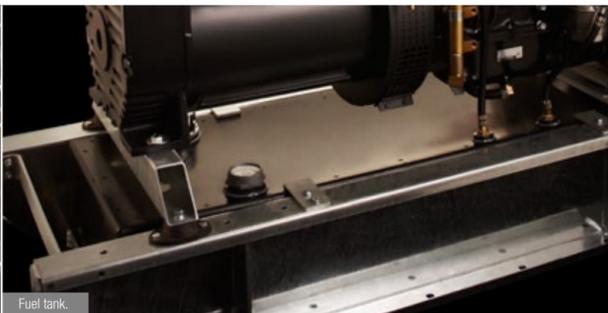
- STANDARD PAINT**
- WEG Paint Plan 212P
  - Surface preparation to grade Sa 2.5
  - One coat of Inorganic silicate ethyl zinc primer - 67 to 90um
  - One coat of high thickness zinc phosphate epoxy paint - 90 to 130um
  - One coat of high thickness acrylic polyurethane paint - 63 to 91 um
  - Colour Ral 9005 - lackthane S34 Black

- OPTIONAL FEATURES**
- IP23, IP54, IP55
  - Space Heaters
  - Paralleling CT
  - Double-shaft option
  - Special shaft dimensions
  - Low voltages from 110 to 690V
  - High voltages form 2,300 to 13,800V
  - 50 and 60Hz
  - Anti-condensation heaters
  - Double bearing
  - Bearing and winding RTDs
  - Special paint
  - PMG (Auxiliary Exciter)

High voltage alternators up to **200,000kVA** and **13,800V** are also available from WEG



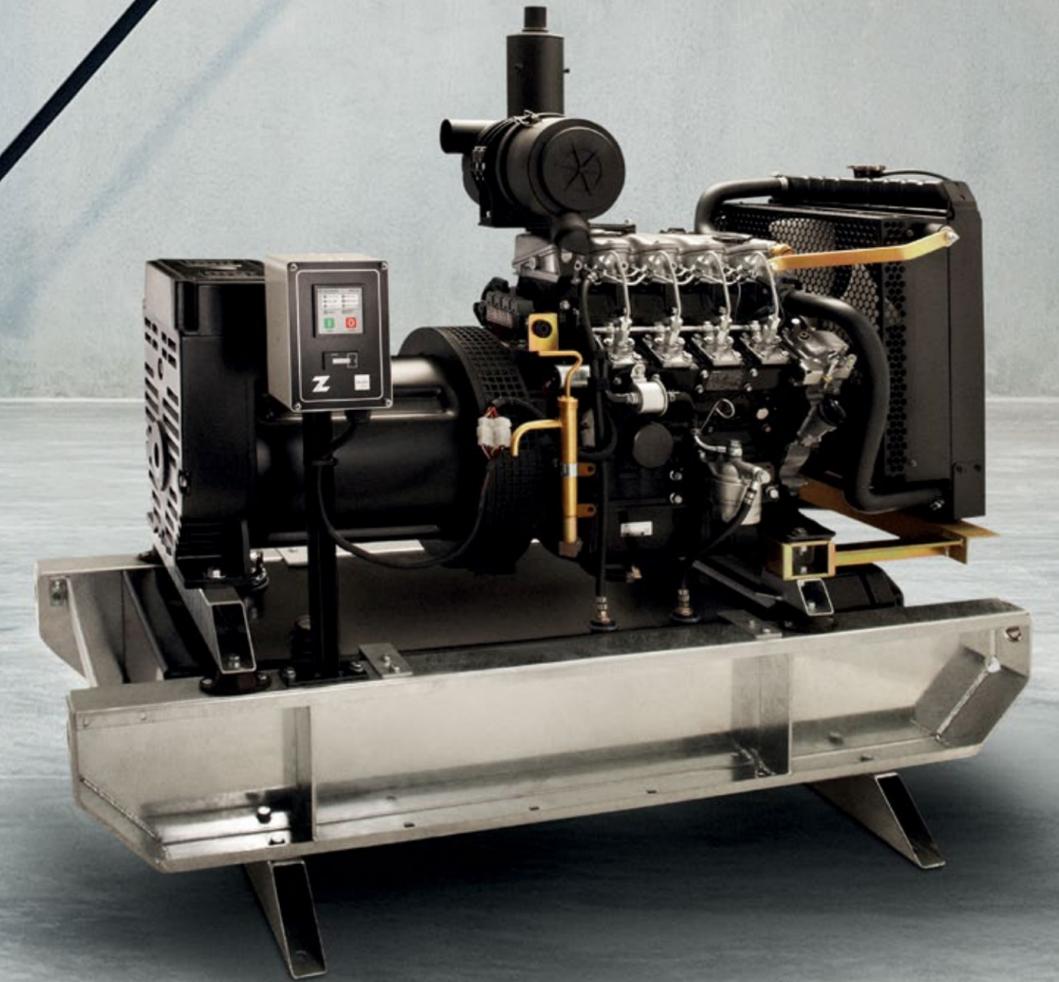
Alternator.



Fuel tank.

[www.isuzudiesel.com.au](http://www.isuzudiesel.com.au)

**ISUZU** DIESEL OPEN GENSETS.  
THE **POWER TO DO**  
WHAT YOU **NEED TO DO.**



Today, in Australia, over 60,000 Isuzu diesel engines will go to work, moving goods, carving out earth and rock, pumping water, pulling ploughs as well as propelling work boats in the gulf and providing on-board power for commercial charter vessels.

Isuzu diesels power many of the worlds leading diesel powered equipment and of course the market leading Isuzu trucks. In fact, Isuzu is the largest producer of industrial and commercial diesel engines worldwide.

And now Isuzu's legendary reliability in hard work applications is available in a range of Isuzu Generator sets.

There are 6 Isuzu Generator set models based on Isuzu 2, 3 and 4 cylinder gen-drive engines producing 6 to 26 kVA in single or three phase (excluding 2 cylinder) output.

All Gensets are supplied configured in single phase and can be re-configured to three phase\*.

All the engines specified for use in Isuzu gensets meet the very latest global emission output standards.

**FEATURES.**

- Radiator with core guard and fan shroud • Donaldson air cleaner • Isuzu silencer with rain cap • Oil sump pump
- Datakom electronic controller with remote start capability
- Auto shutdown protection - high water temperature and low oil pressure • Battery box (battery not included)
- WEG generator (excluding two pole, 3000rpm application).

All gensets are test-run and supplied with a test result sheet.

**OPTIONS.**

- Customised single or three phase distribution board to specified requirements\* • Galvanised fuel tank base with poly fuel tank and gauge • Datakom controller plus gauges for water temperature, oil pressure and hours run with remote start capability.

**ALL GENSETS ARE SHIPPED WITH:**

- 1 x Engine owners manual • 1 x Generator owners manual
- 1 x Exploded parts view listing • 1 x Engine test result sheet.

\*All works carried out in the configuration and installation of wiring must be performed by a licensed electrician.

GENERATOR MODEL	2CA16KVA01	3CA16KVA01	3CB19KVA01	3CE114KVA01	4LE120KVA01	4LE1T26KVA01
Rated Output (kVA) @ rpm (single phase)	6.5 @ 3000	6 @ 1500	9 @ 1500	14 @ 1500	20 @ 1500	26 @ 1500
Frequency (Hz)	50	50	50	50	50	50
Rated Voltage (V)	240	240 (415 @ 3 phase)				
Output - Single Phase (Amps)	28	26	38	50	82	100
Output - Three Phase (Amps per phase)	N/A	8	12	18	28	36
Power Factor	0.8 (Lagging)					
Generator Brand	LeRoy Somer	WEG	WEG	WEG	WEG	WEG
Generator Model	LSA36	161PIHS	161PIHH	161PIHJ	162PIVD	201PIHS
ISUZU DIESEL ENGINE						
Model	2CA1HZG01	3CA1GZG01	3CB1GZG01	3CE1BGZG1	4LE1NYGV01	4LE1TYGV01
Emission Rating	Tier 4	Tier 4	Interim Tier 4	Interim Tier 4	Interim Tier 4	Interim Tier 4
Number of cylinders	2	3	3	3	4	4
Bore and Stroke mm x mm	70 x 74	70 x 74	76 x 82	88 x 90	85 x 96	85 x 96
Displacement (L)	0.57	0.854	1.115	1.642	2.179	2.179
Rated Output at 1500rpm kW (HP)	8.8 (11.8) @ 3000rpm	6.8 (9.1)	8.9 (11.9)	13.6 (18.2)	19.8 (26.5)	25.0 (33.5)
Fuel	Diesel					
Fuel Consumption 75% Load (L/Hr)	2.0	1.6	2.03	2.9	4.1	5.2
Oil Capacity (L)	2.2	2.8	3.5	6.7	8.4	10.4
PHYSICAL CHARACTERISTICS						
Shutdowns	Shutdown protection with oil pressure & water temperature lamp indication (water temperature and oil pressure senders fitted for optional deluxe control panel upgrade)					
Dimensions (LxWxH) (mm)	1290 x 576 x 975	1290 x 576 x 975	1590 x 576 x 1003	1590 x 576 x 1023	1590 x 576 x 1055	1590 x 576 x 1100
Dry Weight (Kg)	220	315	365	455	525	530
Control Panel	Panel with Datakom DKG114 electronic controller and hours meter with remote start capability					
Base	Powder coated frame with resilient mounts and battery box shipped with detachable access rails					
Mounting	Control panel mount provided on base					
OPTIONS						
Distribution Board	Single phase or three phase with mount - to specified requirements*					
Galvanised Fuel Tank Base with Level Gauge	2CA16KVA02	3CA16KVA02	3CB19KVA02	3CE114KVA02	4LE120KVA02	4LE1T26KVA02
Fuel Tank Capacity (L)	60			80		
Deluxe Control Panel	Datakom controller plus gauges for water temperature, oil pressure and hours run with remote start capability					
Emergency Stop Kit	Stop switch and harness compatible with existing engine wiring loom					
* All works carried out in the configuration and installation of wiring must be performed by a licensed electrician.						

