

HYPER DYNO POWER SOLUTIONS

POWER GENERATOR MANUFACTURES

Grugaplatz 2-4, 45131 Essen, Germany

Since 1990



www.hyperdyno.eu

MODEL HDP-50G1 50KVA DATA SHEET

| | | |
|---|---|---|
| PRIME POWER | STANDBY POWER | ENGINE Brand, Model and TYPE |
| 50 kVA | 55 kVA | Perkins 1104A-44TG1 Diesel, 4 Stroke, Water-Cooled |
| FUEL TANK CAPACITY | ENGINE FILTRATION SYSTEM | |
| 155 Liters | Dry air filter fuel filter lube filter | |
| COOLING RADIATOR | EXHAUST SYSTEM | |
| Radiator and cooling fan complete with safety guard design to cool the engine on high ambient temp. | Heavy duty industrial type exhaust silencer Mechanically welded chassis with vibration isolator 24V charged DC starting battery with electrolyte & Cables | |
| METERING & ALARM INDICATION | | |
| Generator frequency Under speed, over speed generator Volt Generator current Engine oil pressure Fuel | | |

Alternator

| MODEL | TYPE | VOLTAGE | POWER FACTOR | INSULATION CLASS | EXCITATION SYSTEM |
|------------------|-------------|-----------------------|---------------|------------------|---|
| Stamford UCI224E | Synchronous | 400V, 3-Phase 50Hz | 0.8 (lagging) | H | Brushless / Automatic Voltage Regulator (AVR) |

Alternator Additional Information

| INSULATION CLASS | WINDING PITCH | EXCITATION SYSTEM | TERMINALS |
|------------------|---------------|--------------------|------------------|
| H | 2/3 (bob 6) | SHUNT, AREP or PMG | Drip proof IP 23 |

Engine Technical Data

| CYLINDERS | ARRANGEMENT | CYCLE | INDUCTION SYSTEM |
|-----------|------------------|-------------|------------------|
| 4 | Vertical in line | Four stroke | Turbocharged |

| COMPRESSION RATIO | BORE | STROKE | CAPACITY |
|-------------------|------------------|------------------|-----------|
| 17.25 :1 | 105 mm (4.13 in) | 127 mm (4.99 in) | 3.9litres |

| ROTATION | FIRING ORDER |
|---------------------------|--------------|
| Clockwise view from front | 1, 2, 3 |

Exhaust System

| MAXIMUM BACK PRESSURE | EXHAUST OUTLET SIZE |
|--|---------------------|
| 10 kPa | 75mm |
| Meets Tier 2 or Tier 3 EPA emissions standards | |

Sound Pressure Level

| AT - 1500 REV /MIN | AT -1800 REV/MIN |
|--|------------------|
| 75dBA | 85dBA |
| Overall sound pressure level (cooling pack and air cleaner fitted) | |

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PRODUCT ENVIRONMENTAL PARAMETERS

We follow International Environment Protections Standards Worldwide,
 United Nations Environment Programme (UNEP);
 European Environment Agency (EEA);
 Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)



HAMANN AG

Sound level

Overall sound pressure level (cooling pack and air cleaner fitted):

- at 1500 rev/min 75 dBA
- at 1800 rev/min 85 dBA

Exhaust system

Maximum back pressure

- 1500 rev/min 10 kPa
- 1800 rev/min 15 kPa
- Exhaust outlet size 56 mm (2.2 in)

Emission Standards: Meets Tier 2 or Tier 3 EPA emissions standards