NAGA DIESEL

SPECIFICATION DIESEL GENERATOR SET

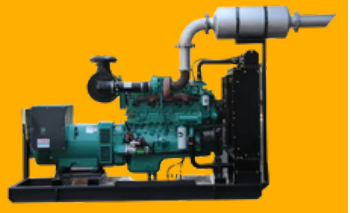
Perkins®

- **Features**
- High quality, reliable and complete generating sets.
- Every generating set carries a comprehensive test program which includes 25%, 50%, 75%, 100% , 110% loading test and series protecting function (example: Low oil pressure , High coolant temperature, over current/load etc.) check.
- Easy for operation and maintenance.
- Compact structure &high-strength chassis.
- Base frame design incorporates an intergrade fuel tank for at least 8 hours running.
- The canopy body painting adopts the HenKel pretreatment process and the base frame painting adopts sandblasting
- High-performance free-maintenance batteries with isolation switch.
- Anti- vibration pads are mounted between the engine/alternator feet and the base frame.
- Top lifting point and steel base frame with forklift holes, easy for transportation.
- Compliance with international electrical safety standards.
- Complete protection functions and safety labels.
- A large number of matching optional to meet the needs of various customers.
- User Manual

SPECIFICATION	OPEN TYPE	SILENT TYPE
Engine Manufac	Perkins Stamford	Perkins Stamford
Power Output	24KW/30kVA	24KW/30kVA
Phase	3 (three)	3 (three)
Frequency	50 Hz @1500 RPM	50 Hz @1500 RPM
Voltage	400V	400V
Accessories	Fuel Tank, Residential Muffler	Fuel Tank, Residential Muffler
Efficiency	86,50%	86,50%
Dimension LxWxT	1820x 760x 1280mm	2280x 1000x 1250mm
Weight	703 kg	999 kg
Fuel tank	104	104

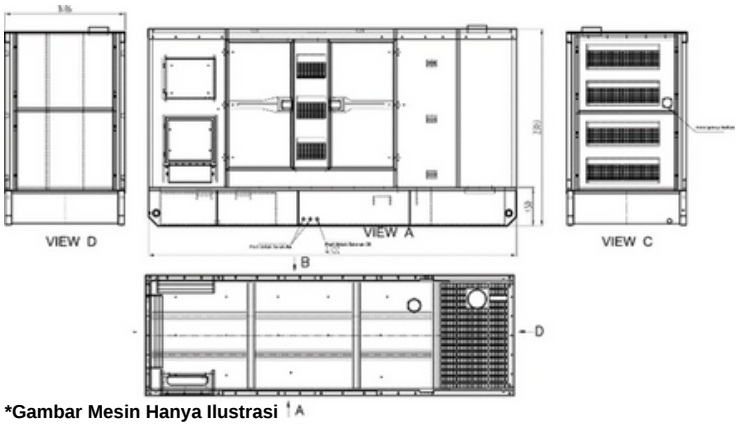
Also available in the following voltages:
415/240V, 380/220V, 220/127V, 200/115V (According to customer requirements).
Rated Power/prime Power(PRP) :
Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period, in accordance with ISO8528.
Standby Power/Emergency Standby Power (ESP):
The maximum power available during a variable electrical power sequence, no overload on these ratings, in accordance with ISO 8528.

Genset Silent



Genset Open

***Gambar Mesin Hanya Ilustrasi**



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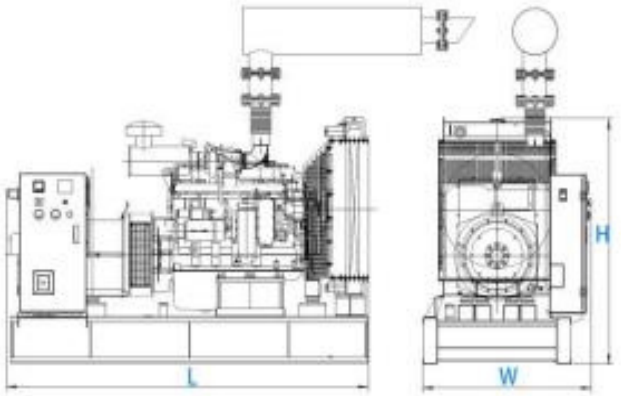

***Gambar Mesin Hanya Ilustrasi**

Engine Specifications	
Engine model	1103A-33G
Aspiration	naturally
Bore And Stroke	105 x 127 mm
Displacement	3.300 liters
Compression Ratio	19.25:1
Prime Power/speed	27.7KW / 1500rpm
Standby Power/speed	30.4KW / 1500rpm
Speed governor	Mechanical
Cooling System	Forced Water Cooling Cycle
Steady speed droop	≤1%
Coolant capacity	10.2L
Fuel Consumption (L/H)	211.1 g/Kw.h (at 1500RPM)

- **Heavy duty Perkins diesel engine**
- **Four stroke, water cooled, Turbocharged aspirated**
- **Direct injection fuel system**
- **Electric governor system**
- **12V DC starter and charge alternator**
- **Replaceable fuel filter and dry element air filter**
- **Cooling radiator and fan**
- **Starter battery(with lead acid) including rack and cables**
- **Flexible fuel connection hoses**
- **Industrial capacity exhaust silencer and steel bellows**
- **Operation manuals and circuit diagram documents**

Alternator Specifications	
Starter motor	DC 12V
DC 12V	DC 12V
Exciter type	Self excitation, Brushless
Power factor	0,8
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%
Insulation grade	H
Protection grade	IP23
Xd DIR. AXIS SYNCHRONOUS	1,57
X'd DIR. AXIS TRANSIENT	0,14
X''d DIR. AXIS SUBTRANSIENT	0,11
Xq QUAD. AXIS RECTANCE	0,75

Control System

DSE6120 (Deepsea)

Suitable for > 250KVA Gen - sets

DSE4620 (Deepsea)

DSE7320 (Deepsea)

Suitable for for all series Gen - sets

The Controller Display DSE6120	Control System	DSE7320 Control System
Voltage between phases(L-L)	√	√
Voltage between neutral and phase(L-N)	√	√
Frequency	√	√
3 Phase current	√	√
Real power(kW) and apparent	√	√
power(kVA) Power factor	√	√
Engine speed	√	√
Running hours	√	√
Coolant temperature	√	√
Oil pressure	√	√
Battery voltage	√	√
LCD alarm indication	√	√
3 Phase mains (utility) sensing	√	√
Emergency stop button	√	√
High coolant temperature	√	√
Low oil pressure	√	√
Over current/load	√	√
under/over speed, frequency & voltage	√	√
Low/High battery voltage	√	√
Low coolant level	√	√