INDUSTRIAL | LOW KVA RANGE

POWER DEFINITION

PRP: Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1.

ESP: The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed.

Average Usage Periods, Average Load Factor Requirements under each rating, along with Initial Step Load Acceptance thresholds can be found on the selected Engine Datasheet and Performance Curve.

TERMS OF USE

Derating Factors such as ambient temperature and altitude may affect nominal power outputs. Please consider your conditions in your installation, refer to the derating table for the selected engine.

For the generating sets used indoor, where the acoustic pressure levels depend on the installation conditions, it is not possible to specify the ambient noise level in the exploitation and maintenance instructions.

DETAILS	PRP (PRIME RATE POWER OUTPUT)	ESP (EMERGENCY STANDBY POWER OUTPUT)
kVA	20	28
kW	20	22
RATED SPEED	1500	
FREQUENCY	50	
PHASES	3	
STANDARD VOLTAGE	400/230	
AVAILABLE VOLTAGES (V)	380/220 · 415/240	
POWER FACTOR	0.8	

NAMIB DIESEL
EST 1986

MODEL SPECIFICATIONS

WATER-COOLED | THREE PHASE | 50 HZ | DIESEL

WEIGHT AND DIMENSIONS (APPROXIMATE)			
DIMENSIONS	**MEASUREMENTS**	**OPEN**	**ENCLOSED**
LENGTH	mm	2150	2150
WIDTH	mm	950	950
HEIGHT	mm	1100	1200
DRY WEIGHT	Kg	800	900
FUEL TANK	L	200L	200L

ENGINE SELECTION OPTIONS

JMC

- Diesel Engine
- 4-stroke cycle
- Water-cooled
- 12-24V Electrical System
- Water Seperator Filer

ISUZU

- Air Filter
- Radiator with fan
- Hot Parts Protection
- Moving Parts Protection

CUMMINS

- Water Jacked Heater
- Water Level Sensor
- Heavy Duty Air Filter

ALTERNATOR SELECTION OPTIONS

LEROY-SOMER	STAMFORD | AvK

- Self-excited and Self-regulated
- IP23 Protection
- H Class Insulation
- Alternator Heater (optional)
- Winding Temp. Measurement Instrument (optional)
- PMG (optional)

CONTROL PANEL FEATURES

DEEP SEA ELECTRONICS	COMAP

FEATURES OF THE CONTROL PANEL	BASIC MODEL (STANDARD)	ADVANCED MODEL (OPTIONAL)
VOLTAGE BETWEEN PHASES	O	O
VOLTAGE BETWEEN NEUTRAL & PHASE	O	O
CURRENT INTENSITIES	O	O
FREQUENCY	O	O
APPARENT POWER (kVA)	O	O
ACTIVE POWER (KW)	O	O
REACTIVE POWER (kVAr)	O	O
POWER FACTOR	O	O
VOLTAGE BETWEEN PHASES	O	O
EMEREGENCY STOP	O	O
BINARY INPUTS	6/6	7/7
ANALOG INPUTS	3	3
2 x 10A CURRENT OUTPUTS	O	---
I/O CONFIGURATION	O/O	O/O
D+ FUNCTION	O	O
SPEED SENSOR	O	O
AMF/MRS	O/O	O/O
GCB/MCB	O/O	O/O
Standard: O	Optional: ★	Not Available: ---

FEATURES OF THE CONTROL PANEL	BASIC MODEL (STANDARD)	ADVANCED MODEL (OPTIONAL)
3ph VOLTAGE MEASUREMENT GEN/MAINS	O/O	O/O
3ph CURRENT MEASUREMENT	O	O
kW / kWh / kVA	O	O
ENGINE READING	O	O
ENGINE PROTECTION	O	O
ALTERNATOR PROTECTION	O	O
EARTH CURRENT PROTECTION	---	★
HISTORY FILE	150	350
RTC / BATTERY	O / --	O/O
PLC	---	---
4G	★	---
AIRGATE	---	★
ECU CAN	O	O
MODBUS	★	★
MODBUS IP	★	★
SNMP	---	★
SNMP TRAPS	---	---
RS232	★	★
RS485	★	★
GSM / GPRS MODERN	★	★
REMOTE SCREEN	★	★
SOFTWARE FOR PC	★	★
Standard: O	Optional: ★	Not Available: ---

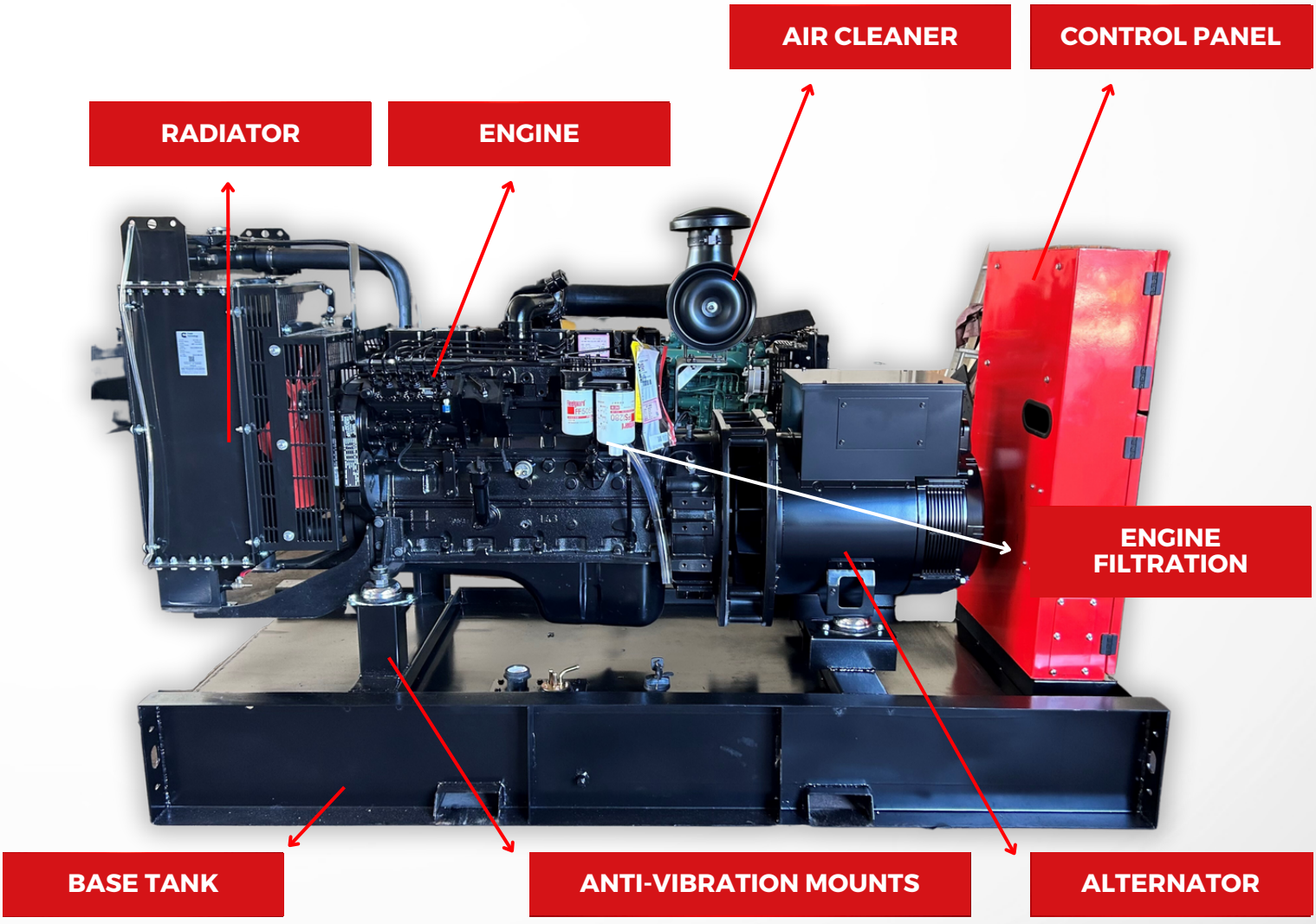
BUILD STANDARDS AND KEY FEATURES

- ✔ We offer a high quality, reliable and complete power unit for your required application.
- ✔ Our design is compact, easy to use and maintain long term.
- ✔ Every generator set is subject to a comprehensive testing program which includes full load testing, checking and provision of all control and protection/safety functional tests.
- ✔ All major components used in the manufacturing process are of SANS Approved Standards.
- ✔ Our enclosures undergo high quality powder coating, chemical surface treatment & 100-120 microns coating thickness aimed to improve the anti-corrosion and anti-rust level of the material.
- ✔ All enclosures are manufactured from 2.0-3.0mm thickness of steel. The aim of this is to increase the strength enclosure body, ensuring robustness of the final product.
- ✔ All enclosures are fitted with Anti-Rust Hinges and Door Locks.

BUILD STANDARDS AND KEY FEATURES

- ✔ Base Tanks are pressure tested and undergo a detailed painting process.
- ✔ The bottom forklift and loading positions are equipped to enable easy loading and unloading.

  An external fuel refilling point is available with a Guage to enable easy refilling for our clients.
- ✔ The drainage outlets are all connected to the outside of the enclosure for easy operation.
- ✔ The sufficient air intake and outlet design ensure long term and stable operation.
- ✔ We utilise a high-density fire-retardant foam that is also used to effectively reduce noise. This ensures that all our product maintains international safety standards and meets industry noise level requirements.
- ✔ Our exhaust system by default is manufactured from 3CR12 material.
- ✔ Our products are engineered with a wide range of options and accessories.



OPTIONAL SUPPLY SCOPE

GENERATOR

- Require A Tool Box?
- Want to Change Size of Base Fuel Tank?
- Need a Double Wall Tank?
- Want to Change Material of the Enclosure and Tank?
- Need a Drip Tray?
- Need a External Bulk Fuel Tank?
- Require the set to be mounted to a Trailer?

ENGINE

- Select your Brand.
- Require Fuel Heaters?
- Need Fuel and Water Seperators?
- Need a Fuel Resirculation System?
- Want a Pre-Packed Service Kit?
- Require Dual Frequency?

ALTERNATOR

- Select your Brand.
- Marinise Your Alternator?
- Require Anti-Condensation Heaters?
- Require Dual Voltage?

ELECTRICAL

- Selection between ABB or Schneider.

CONTROL SYSTEM

- Selection between DeepSea or ComAP.
- Add an ATS?
- Require Synchronisation?
- Want a Remote Monitoring Add On?

FUEL SYSTEM

- Require Auto Refill Pump and Controls?

This document is not contractual.

The Namib Diesel reserves the right to modify any of the characteristics stated in this document without notice, in a constant effort to improve the quality of its products.

Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing.

For detailed information regarding Engine Performance, Alternator Data and Control System capabilities please reach out to us @ product.info@namibdiesel.com

Namib Diesel Terms and Conditions are applicable.