



PERKINS



66 kVA

**FE-P 66**

TECHNICAL SPECIFICATIONS





# FE-P 66

INDUSTRIAL DIESEL GENERATOR



Water Cooled



Easy Maintenance

Hz

50 Hz



Three-Phase



Diesel



Alarm Warning System

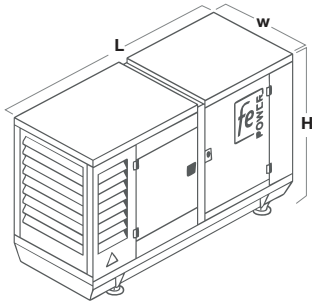
## GENERATOR SET FEATURES

|               | kVA | kW   | Amper | V       | r.p.m | Cos Phi |
|---------------|-----|------|-------|---------|-------|---------|
| STANDBY POWER | 66  | 52.8 | 95    |         |       |         |
| PRIME POWER   | 60  | 48   | 86.4  | 400/230 | 1500  | 0,8     |

**Standby Power:** It is a limited-time operating power source under variable load. It operates as a backup power source in case of mains outage.

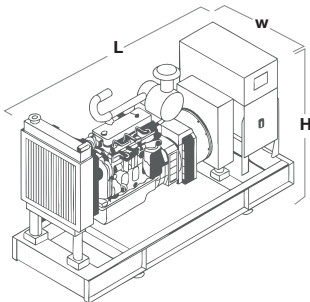
**Prime Power:** This is the power for continuous operation under variable load.  
The average load value should be 70%. It can be overloaded by 10% for 1 hour in 12 hours

## PRODUCT DIMENSIONS



### CANOPY FEATURES

|                    |         |
|--------------------|---------|
| Length ( L )       | 2500 mm |
| Height ( H )       | 1600 mm |
| Width ( W )        | 1000 mm |
| Wet Weight         | 1110 kg |
| Fuel Tank Capacity | 150 L   |



### OPEN TYPE FEATURES

|                    |         |
|--------------------|---------|
| Length ( L )       | 2500 mm |
| Height ( H )       | 1400 mm |
| Width ( W )        | 1000 mm |
| Wet Weight         | 860 kg  |
| Fuel Tank Capacity | 150 L   |





ENGINE FEATURES

|                        |           |              |
|------------------------|-----------|--------------|
| Brand                  |           | PERKINS      |
| Model                  |           | 1103A-33TG2  |
| Standby / Prime        | (kW)      | 60.5 / 55    |
| Rotations Per Minute   | (r.p.m.)  | 1500         |
| Total Displacement     | (L)       | 3.3          |
| Cylinders              |           | 3-IN LINE    |
| Bore x Stroke          | (mm x mm) | 105 x 127    |
| Compression Rate       |           | 17.25: 1     |
| Governor Type          |           | MECHANICAL   |
| Cooling Type           |           | WATER COOLED |
| Spray Pattern          |           | DIRECT       |
| Electrical System      | (V)       | 12           |
| Oil Capacity           | (L)       | 8.3          |
| Cooling Water Capacity | (L)       | 10.2         |
| Fuel Tank Capacity     | (L)       | 150          |
| Fuel Consumption 50 %  | (L/h)     | 7.2          |
| Fuel Consumption 75 %  | (L/h)     | 10.4         |
| Fuel Consumption 100 % | (L/h)     | 15.4         |

ALTERNATOR FEATURES

|                                 |          |                |
|---------------------------------|----------|----------------|
| Output Voltage                  | (V)      | 400/230        |
| Frequency                       | (Hz)     | 50             |
| Automatic Voltage Regulation    | (±)      | 1 %            |
| Short Circuit Current           |          | > 300 %        |
| Insulation Class                |          | H              |
| Protection Class                |          | IP 23          |
| Efficiency                      | (%)      | 89.9           |
| Overload Operating Time         |          | 110% IN 1 HOUR |
| Power Factor                    | (cos Ph) | 0.8            |
| Total Harmonic Distortion Ratio |          | THF < 2 %      |
| Connection Type                 |          | STAR           |
| Number of Poles                 |          | 4              |
| Number of Bearing               |          | SINGLE         |

\*4-pole, self-excited and cooled, brushless synchronous alternator \* with electronic type automatic voltage regulator (AVR)

**STANDARD FEATURES**

- 4-Stroke 1500 R.P.M water-cooled heavy-duty diesel engine
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 degrees outside temperature
- Flexible fuel hoses and oil drain valve
- Engine pre-heating resistance tube
- 4-pole synchronous type single bearing brushless alternator
- Battery sytem
- Electrostatic powder coated cabin made of steel sheet
- Fuel tank integrated into the chassis
- Industrial-type sound-dampening chamber exhaust system
- Electronic Battery Charger
- User and maintenance manual

**OPTIONAL**

- Sound insulation canopy
- Automatic Transfer Switch
- Output MCCB
- Trailer Type
- External Fuel Tank
- Fuel Tank Heater
- Oil pre-heater
- Analog type indicators
- 1-Phase & 3-Phase Socket Type
- Buzzer alarm integrated with controller

**QUALITY STANDARDS**

Our company has ISO 9001:2015, ISO 140001:2015, ISO 45001:2018 and 10002:2018 Certificates under Quality After-Sales, Environment, Occupational Health and Safety and Customer Satisfaction Management Systems. TSE-SSHYB After-Sales Service Competence Certificate

Standards, Quality Certificates and Directives Compatible with Generator Groups;

- TS ISO 8528-5 , TS EN ISO 8528-13
- TS EN ISO 9227 Nötral Tuz Testi
- TS-EN 6004-1
- TS EN 88528-11
- TS 12650
- TS ISO 8528-1, TS ISO 8528-2, TS ISO 8528-3, TS ISO 8528-4, TS ISO 8528-5, TS ISO 8528-6, TS ISO 8528-8, TS ISO 8528-12
- TS EN 60034-22
- IEC 61439-1, IEC 61000-6-2:2019, IEC 55014-1:2021, IEC 55014-2:2021
- 2006/42/EC (AT) Machinery Safety Regulations
- 2000/14/AT Environmental Noise Emission Regulation
- 2006/95/EC Low Voltage Regulation
- 2014/35/EU Low Voltage Regulation
- 2014/30/EU (AB) Electromagnetic Compatibility Directive
- Our products have EAC Customs Certificate and CE certificate.

\* Please contact us for detailed information about Quality Standards.

## D-300 MK3

DATAKOM GENERATOR CONTROLLER

Datakom D-300 MK3



## CONTROL PANEL FEATURES

- Diesel and gas generator support
- Multiple automatic test programs
- Main power counter
- Up to 400Hz generator support
- Memory for more than 400 measurements and event records
- Setting a weekly work schedul
- Synchronous generator support
- Contactor and motorized switch actuation
- Easy access to the interface
- 128 x 64 pixel LCD screen
- Fuel fill meter
- Language installation
- Overpower protection
- Fuel consumption counter
- Current-voltage waveform
- Reverse power protection
- Current-voltage harmonic analysis
- Overcurrent IDMT protection
- Current unbalance protection
- Remote monitoring and control option
- IP65 protection (with gasket)
- Free configuration software
- Voltage unbalance protection
- Automatic GSM location determination
- Battery-backed real time clock
- Fuel fill and theft alarms
- GPS connection
- 4 configurable analog inputs
- Battle mode support
- Automatic fuel pump control
- Program encryption
- Downloading software via USB