



PERKINS



22 kVA

FE-P 22

TECHNICAL SPECIFICATIONS



FE-P 22

INDUSTRIAL DIESEL GENERATOR



Water Cooled



Easy Maintenance



50 Hz



Three-Phase



Diesel



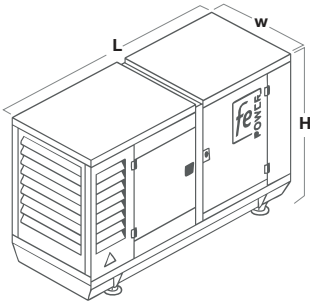
Alarm Warning System

GENERATOR SET FEATURES

	kVA	kW	Amper	V	r.p.m	Cos Phi
STANDBY POWER	22	17.6	31.7	400/230	1500	0,8
PRIME POWER	20	16	28.8			

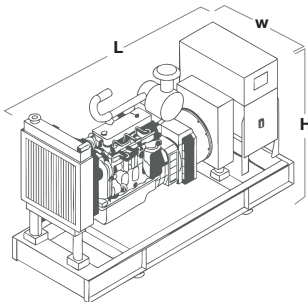
- Standby Power:** It is a limited-time operating power source under variable load. It operates as a backup power source in case of mains outage.
- Prime Power:** This is the power for continuous operation under variable load. The average load value should be 70%. It can be overloaded by 10% for 1 hour in 12 hours

PRODUCT DIMENSIONS



CANOPY FEATURES

Length (L)	2000 mm
Height (H)	1300 mm
Width (W)	800 mm
Wet Weight	700 kg
Fuel Tank Capacity	70 L



OPEN TYPE FEATURES

Length (L)	2000 mm
Height (H)	1100 mm
Width (W)	800 mm
Wet Weight	610 kg
Fuel Tank Capacity	70 L



ENGINE FEATURES

Brand		PERKINS
Model		404A-22G1
Standby / Prime	(kW)	20.5 / 18.7
Rotations Per Minute	(r.p.m.)	1500
Total Displacement	(L)	2.216
Cylinders		4-IN LINE
Bore x Stroke	(mm x mm)	84 x 100
Compression Rate		23.3: 1
Governor Type		MECHANICAL
Cooling Type		WATER COOLED
Spray Pattern		DIRECT
Electrical System	(V)	12
Oil Capacity	(L)	10
Cooling Water Capacity	(L)	7
Fuel Tank Capacity	(L)	70
Fuel Consumption 50 %	(L/h)	2.9
Fuel Consumption 75 %	(L/h)	4
Fuel Consumption 100 %	(L/h)	5.3

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	(%)	84.2
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