

Generating Rate	es	Prime	Standby
Power	kVA	20	22
Power	kW	16	18
Current	(cos Phi=0,8) A	29	32
Standard Voltage	V	400/231	400/231
Revolution Per Minute	r.p.m	1500	1500
Rated At Power Factor	Cos Phi	0,8	0,8

Standard Features

- 4 stroke 1500RPM, water cooled heavy duty diesel engine
- Dry type replacable air filter
- Heat-resistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Pre-heater 4 poles synchrontype, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual
- Protection system on manual run
- Lubrication oil and anti freeze

Optional Equipments

- Soundproof canopy
- Automatic transfer switch
- Circuit Breaker
- Trailer
- External fuel tank
- Electronic governor
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manual)
- Analog indicators
- 1 Phase 3 phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

- Prime Power: Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility powerfailure according to ISO8528-1. 10% over load capability is available.
- Stand By Power: Supplying of electrical power at variable load, in the event of normal utility power failure according to ISO8528-1. This rating is maximum power, no overload capability is available.
 - 🔞 w w w . f a m c o c o r p . c o m
 - 🖳 E-mail: info@famcocorp.com
 - @ @famco_group

- Tel:•ΥΙ- Υ Λ · · · · γ
- (Fax: ∘ ۲1 ۴۴99۴۶۴۲



Engine Specifications		
Brand		PERKINS
Model		404A-22G1
Engine Power	(kWm / hp)	20,3/27,2
Revolution Per Min	(r.p.m)	1500
Total Displacement	(L)	2,21
Cylinders Orientation		4 Vertical In-line
Broke x Stroke	(mm x mm)	84 x 100
Compression Orientation		23,3:1
Governor Type		Mechanic
Aspiration System		Natural
njection		Indirect
Cooling		Water Cooled
Electrical System	(VDC)	12
_ub-oil Capacity	(L)	10,6
Engine Coolant Capacity	(L)	7
Fuel Tank Capacity	(L)	87
Maximum Exhaust Temperature	(°C)	505
Maximum Exhaust Gas Flow	(m3/h)	3,94
Maximum Allowed Back Pressure	(kPa)	10,2
Cooling Air Flow	(m3/min)	50
Fuel Consumption 50 %	(L/h)	2,9
Fuel Consumption 75 %	(L/h)	4
Fuel Consumption 100 %	(L/h)	5,3

Replacable cylinder jacket

Dry type replacable air filter

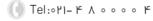
Heat-resistant radiator for 50 °C

Alternator Specifications		
Standard Voltage	(V)	400/231
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1
Short Circuit Current		300
Insulation		Н
Protection		IP 23
Efficiency	(%)	85,8
Overloading		1 Hour - %110
Rated At Power Factor	(cos Phi)	0,8
Total Harmonic Distortion Rate		2
Connection Style		Star
Number of Pole		4
Number of Bearing		Single

Self-cooled

Electronic type automatic voltage regulator (AVR) 4 poles, self-excitation, brushless, synchrontype alternator

- 💮 w w w . f a m c o c o r p . c o m
- E-mail: info@famcocorp.com
- @famco_group



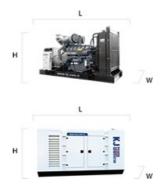


Dimensions Without Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	950x1650x1400
Wet Weight	kg	517

Dimensions With Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	950x2000x1450
Wet Weight	kg	727



Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs full snapshot
- Multiple Automatic test program
- 3 level configuration password

- Downloadable language
- Waveform display of V&I
- Harmonic analysis of V&I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog outputs
- Battery charge run enabled

- Weekly Operation Schedule
- Dual mutual standby with equal aging of gensets
- Manual speed fine adjust some ECU's
- Automatic fuel pumpcontrol
- Disable protection feature
- Excess protection power
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Battery back-up real time clock
- Idle speed control
- All parameters front panel editable

- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Free configuration software
- Allow SMS controls
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB & RS232)
- Modem & ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS