KJK22

Diesel Genset Powered by KOHLER

TAAMIN TAJHIZ MOVALLED

KJ POWER GENERATOR

TTM TAAMIN TAJHIZ MOVALLED

Generating Rates		Prime	Standby
Power	kVA	20	22
Power	kW	16	17,6
Current	(cos Phi=0,8) A	29	32
Standard Voltage	V	400/230	400/230
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

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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.

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Engine Specifications

Brand		KOHLER
Model		KDI 1903M
Engine Power	(kWm / hp)	20,5/27,9
Revolution Per Min	(r.p.m)	1500
Total Displacement	(L)	1,86
Cylinders Orientation		3 Vertical In-line
Broke x Stroke	(mm x mm)	88 x 102
Compression Orientation		18.5:1
Governor Type		Mechanic
Aspiration System		Natural
Injection		Indirect
Cooling		Water Cooled
Electrical System	(VDC)	12
Lub-oil Capacity	(L)	8,7
Engine Coolant Capacity	(L)	6,8
Fuel Tank Capacity	(L)	51
Maximum Exhaust Temperature	(°C)	520
Maximum Exhaust Gas Flow	(m3/h)	3,54
Maximum Allowed Back Pressure	(kPa)	6
Cooling Air Flow	(m3/min)	39
Fuel Consumption 50 %	(L/h)	2,3
Fuel Consumption 75 %	(L/h)	3,3
Fuel Consumption 100 %	(L/h)	4,5

- Replacable cylinder jacket
- Dry type replacable air filter
- Heat-resistant radiator for 50 °C

Alternator Specifications

Standard Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1
Short Circuit Current		300
Insulation		H
Protection		IP 23
Efficiency	(%)	84
Overloading		1 Hour - %110
Rated At Power Factor	(cos Phi)	0,8
Total Harmonic Distortion Rate		3
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

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Dimensions Without Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	850x1385x1080
Wet Weight	kg	485

Dimensions With Canopy and Weight

WIDTH x LENGTH x HEIGTH	mm	855x1385x1180
Wet Weight	kg	565

Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs full snapshot
- Multiple Automatic test program
- 3 level configuration password
- 128x64 graphical LCD display
- 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
- Waveform display of V&I
- 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

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