

Model: KJT 25

Diesel Generator







WATER COOLED



THREE PHASE



50 Hz



DIESEL

Generating Rates		PRIME	STANDBY	
Power	kVA	23	25	
Power	kW	18,5	20	
Current	(cos Phi=0,8) A	33	36	
Standard Voltage	V	400/230		
Revolution Per Minute	r.p.m.	1500		
Rated at power factor	Cos Phi	0	,8	

Standard Features

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- Protection system on manuel run
- Flexible oil pipes and oil draining valve
- Pre-heater
- Lubrication oil and anti-freeze
- 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

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 / Manuel)
- Analog indicators
- 1 Phase 3 Phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

Stand By Power: Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

Prime Power: Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility power failure. 10% over load capability is available.



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Powered by DIAMOND DIESEL

Diesel Generator

Engine Specifications				
Brand			DIAMOND DIESEL	
Model			490 D	
Engine Power Stand BY		(kWm / hp)	21,3/28,5	
Revolution Per Minute		(r.p.m.)	1500	
Total Displacement		(L)	2.54	
Cylinders Orientation			4 SINGLE LINE	
Bore x Stroke		(mm x mm)	90 x 100	
Compression Orientation			18;1	
Governor Type			MECHANIC	
Aspiration System			NATURAL	
Injection			DIRECT	
Cooling			WATER COOLED	
Electrical System		(VDC)	12	
Lub-Oil Capacity		(L)	9	
Engine Coolant Capacity		(L)	14	
Fuel Tank Capacity		(L)	83	
Maximum Exhaust Temperature	L.	(°C)	550	
Maximum Exhaust Gas Flow	つり.	(m3/h)	146	
Maximum Allowed Back Pressure	14	(kPa)	6	
Cooling Air Flow		(m3/min)	7	
Fuel Consumption 50 %		(L/h)	3.12	
Fuel Consumption 75 %		(L/h)	4.8	
Fuel Consumption 100 %		(L/h)	6.48	

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

Alternator Specifications		
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H "4/2
Protection		IP 23
Efficiency	(%)	86,5
Overloading		110 % FOR 1 HOUR
Power Factor	(cos Phi)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

- · 4 Poles, Self-Excitation, Brushless, Synchrontype alternator
- Electronic type automatic voltage regulator (AVR)
- Self-Cooled



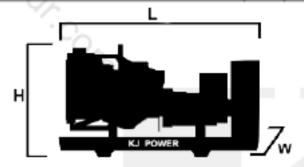
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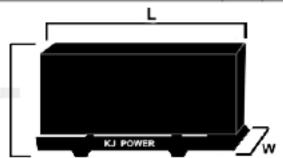
Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	1780
Height (H)	mm	1300
Width (W)	mm	950
Wet weight	kg	600
Fuel Tank Capacity	L	83

Dimensions With Canopy

Dimensions and Weight		
Length (L)	mm	2000
Height (H)	mm	1450
Width (W)	mm	950
Wet weight	kg	820
Fuel Tank Capacity	L	83





Control Panel Features

- · Diesel and gas genset support
- 400Hz operation support
- · 400 event logs, full snapshot
- · All parameters front panel editable
- · 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- . Harmonic analysis of V & I
- Synchroscope & check synch
- Allows closed transfers
- 16Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple nominal conditions

- Multiple automatic exerciser
- · Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- · Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- · Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel filling & fuel theft alarms
- · Battery back-up real time clock
- Idle speed control
- · Battery charge0 run enabled
- Combat mode support

- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem & Ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- · Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB & RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket



