KAPLAN POWER

KPDZ 72

INDUSTRIAL RANGE

Generator Set		Stand by	Prime
Power	*kVA*	72	65
Power	*kW*	58	52
Frequency	*Hz*	50	
Voltage	*V*	230/400	
Fuel Type		Diesel	
Control Panel		Datakom D309	
Cabin		AK 10	

Prime Power (PRP)

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

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INDUSTRIAL RANGE

Engine

Service		Specifications
Manufacturer		DEUTZ
Model		WP4D66E200
Maximum Standby Power		86
Speed	*rpm*	1500
Number of Cylinders		04 Cylinder, In Line
Engine Capacity	*lt*	4,5
Bore & Stroke	*mmxmm*	105x130
Compression Ratio		18:1
Governor Type		Mechanical / Electronic
Induction System		Turbocharge
Combustion System		Direct
Cooling System		Water Cooling
Lubrication Capacity	*lt*	10
Coolant Capacity	*lt*	15
Fuel Consumption %100	*l/h*	16
Fuel Consumption %75	*l/h*	12
Fuel Consumption %50	*l/h*	10

Replaceable cylinder jacket
Dry type replaceable oil filter
Heat-resistant radiator for 50 °C

Alternator

Service		Specifications
Brand		KAPLAN POWER
Model		KPA72
Output Voltage	*V*	230/400
Frequency	*HZ*	50
Automatic Voltage Regulation	*±%*	1
Alternator Standby Power	*kVA*	72
Alternator Continuous Use Power	*kVA*	64,80
Power Factor	*Cosq*	0,8
Number of Cables		12
Winding Pitch		2/3
Protection Class		IP23/H
Warning System		Self-excited
Execution System		Electronic AVR
Performance - PF 0.8 / 75% Load	%	92

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

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
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
Automatic working time 10 second

Optional Equipment

Engine
Remote Radiator Cooling
Oil heater
Fuel-Water Separator Filter

Alternator
Main line circuit breaker
Anti-Condensation
Heater Over sized alternator

Control System
Remote communication with modem
Alarm output relays/ Charge Ammeter
Automatic synchronizing

Others Accessories
Automatic transfer switch
Remote control and monitoring
Alarm system for fuel level
Trailer 1 Phase - 3 Phase switch plugs
1500/3000 hours maintenance kit
Tool kit for maintenance
Inlet and outlet acoustic baffles
Inlet and outlet motorized louvers
Main Fuel Tank
Supplied with oil and coolant - 30 °C

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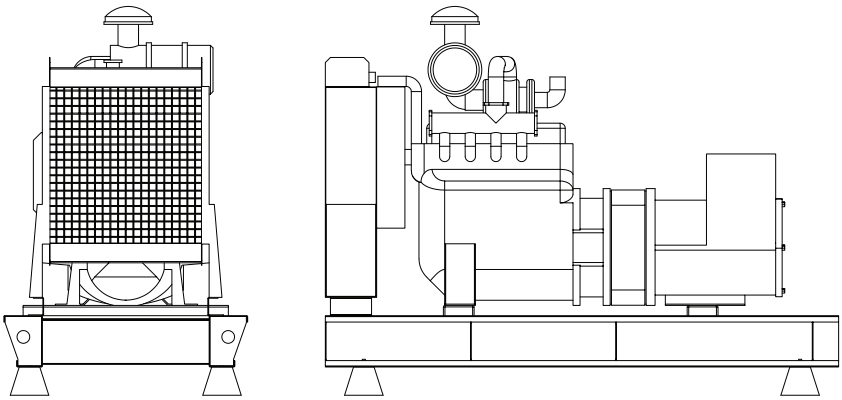
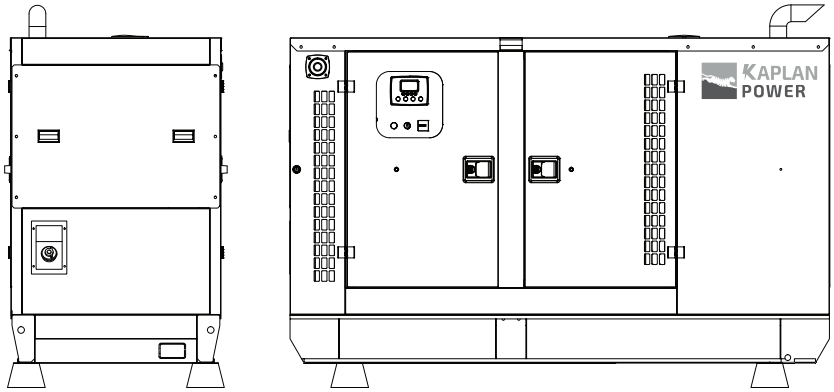
Dimensions



Open Type

LxWxH	*mm*	2200x1000x1410
Weight	*kg*	1250
Fuel Tank Capacity	*lt*	139



Canopied

LxWxH	*mm*	2200x1000x1600
Weight	*kg*	1361
Fuel Tank Capacity	*lt*	139
Desibel	*db(A)*	65-75

Sound Proof Canopy Specifications

- Special design for minimizing acoustic level
- Galvanized steel construction further protected by polyester powder coat paint
- Black finish stainless steel locks and hinges
- Control panel viewing window in a lockable access door
- Emergency stop push button (red) mounted on enclosure exterior
- Lifting, drag and jacking points on base frame
- Radiator fill via removable, flush mounted rain cap fitted with compression seal

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KPDZ 72
INDUSTRIAL RANGE

OPTIONAL GENSET CONTROLLERS

Next generation single gen-set controllers for Stand-by and Prime power applications combining multi-functionality and wide communication with EFI engines.

Datakom DKG 309

Datakom D500

Datakom D500-GSM

EMKO Trans-AUTO

DEEPSEA 7320

ComAp AMF25

	Datakom DKG 309	Datakom D500	Datakom D500-GSM	Deepsea 6120	Deepsea 7320	ComAp AMF25	EMKO Trans-AUTO
Automatic Mains Monitoring	✓	✓	✓	✓	✓	✓	✓
Manuel Start	✓	✓	✓	✓	✓	✓	✓
Remote Start	OPTIONAL	OPTIONAL	✓	X	OPTIONAL	OPTIONAL	OPTIONAL
Remote Monitoring With Sim Card	X	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
1 Additional Option (Horn, Oil-Fuel Heater Etc.)	✓	✓	✓	✓	✓	✓	✓
Light Warning And Mimic Diagram	✓	✓	✓	✓	✓	✓	✓
Battery Charger	✓	✓	✓	✓	✓	✓	✓
Rs-485 Communication	OPTIONAL	✓	✓	X	✓	OPTIONAL	✓
Ethernet (Tcp-Ip) Communication	X	✓	✓	X	OPTIONAL	OPTIONAL	OPTIONAL

GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS

Next generation synchronizing genset controller capable of every communication and functionality.

Datakom D500 MK2

Datakom D700

DEEPSEA 8610

DEEPSEA 8620

DEEPSEA 8660

ComAp InteliCompact NT SPtM

ComAp InteliGen BaseBox

ComAp InteliGen 200

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