GENERATOR EXPORT

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GK22

INDUSTRIAL RANGE

Kubota

GENERATING SETS

WATER COOLED · THREE PHASES · 50 HZ · DIESEL

Service		Standby	Prime
Power	*kVA*	22	20
Power	*kW*	17,6	16
Rated Speed	*r.p.m*	1500	
Standart Voltage	*V*	400/230	
Rated At Power Factor	*Cos Phi*	0,8	

with quality certification ISO 9001
gensets are compliant with EC mark which includes the following directives:

- 2006/42/EC Machinery safety.
- 2014/30/EU Electromagnetic compatibility.
- 2014/35/EU Electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2002/88/EC & 2004/26/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2005 normative: 1000 mbar, 25ºC, 30% relative humidity.
G2 class load acceptance in accordance with ISO 8528-5:2013

CE

SPECIFICATIONS

Kubota Engine

Engine		Specifications
Standby Power/Prime Power	kWm	22,5 / 20,4
Brand / Origin		Kubota / Japan
Model		V2003-T-E2BG
Engine Type		4 Stroke - Diesel
Injection Type		Bosch Type
Aspiration Type		Naturally Aspirated
Number of cylinder		4
Bore and Stroke	mm	83×92,4
Displacement	L	1,999
Cooling System		Water Cooling
Fuel Consumption 50% PRP	l/h	2,42
Fuel Consumption 75% PRP	l/h	3,58
Fuel Consumption 100 % PRP	l/h	4,77
Total oil capacity including tubes, filters	L	9,5
Engine coolant capacity	L	8,4
Governor	Type	Mechanical
Electric system voltage(V)	V	12

LEROY SOMER Alternator

Alternator		Specifications
Manufacturer		Leroy Somer
Model		TAL 040 F
Output Voltage	V	230/400
Frequency	HZ	50
Automatic Voltage Regulation	±%	1
Alternator Standby Power	kVA	22
Alternator Continuous Power	kVA	20
Power Factor	Cosq	0,8
Number of Wires		12
Winding		2/3
Protection Class		IP23 / H
Excition System		Self Excited
AVR Model		SX460
Performance - PF 0,8 / %75 Load	%	86

Prime Power (PRP):

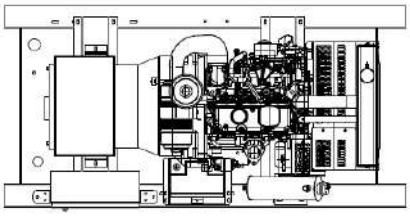
According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures 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.

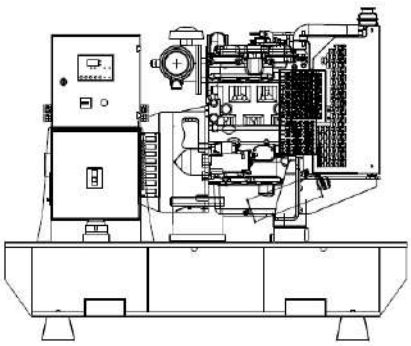
Emergency Standby Power (ESP):

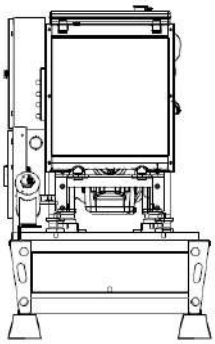
According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h 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.

Note: All data based on operation to ISO 3046/1, BS 5514 and DIN 6271 standard reference conditions

DIMENSIONS

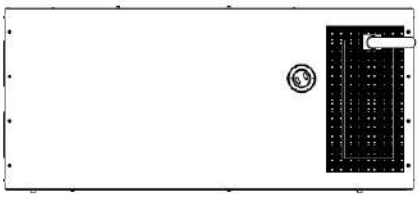


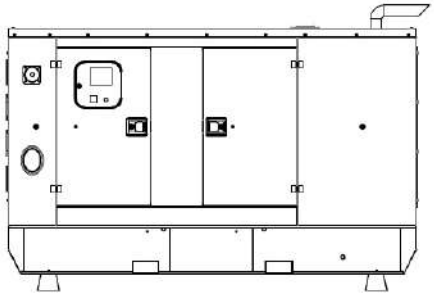


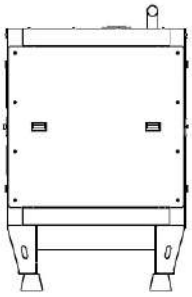


OPEN SET

LxWxH	*mm*	1500x750x1100
Weight	*kg*	650
Fuel Tank	*lt*	70







CANOPIED

LxWxH	*mm*	1900x920x1180
Weight	*kg*	770
Fuel Tank	*lt*	70

Sound Proof Canopy

- 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.
- Acoustic insulation with moisture-repellent and non-flammable material

CONTROL UNIT

DATAKOM — Control Unit

GB500 - DATAKOM

ATS unit with uninterrupted transfer	Internet Central Monitoring
AMF unit with uninterrupted transfer	SMS / E-mail message sending
Remote / Manuel start controller	Flexible with plug-in modules
Engine controller	Free PC software: Rainbow Plus
GSM-GPRS-GPS-Ethernet Port	Modbus RTU
8 configurable digital inputs	

OPTIONAL EQUIPMENTS

- Medium voltage alternator,
- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Alternator with double AVR and PMG,
- Synchronization systems, The generator output breaker,
- Grid-generator transfer switches,
- Accordance with the specific volume of demand-insulated cabins,
- Seismic solutions,
- Trailer,
- Remote monitoring.
- SMPS 12/24V 10A