

## KUBOTA 10-30 kVA

### Technical Specifications



#### ENGINE

- KUBOTA series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled / turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

#### QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

#### ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

- The alternator windings are protected by insulating varnish against oil and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

#### CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

#### AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender



### KUBOTA Series Diesel Generator Sets 10-30 kVA

MODEL				E KB XX 0010	E KB XX 0017	E KB XX 0023	E KB XX 0030
GROUP	GEN - SET POWER	STAND BY	kVA	10	17	22	29,7
			kW	8	13,6	18	24
		PRIME	kVA	9	15	20	27
			kW	7	12	16	21,6
	CANOPY DIMENSION (W x L x H) mm			900 x 2100 x 1310	900 x 2100 x 1310	900 x 2100 x 1310	900 x 2100 x 1310
	CANOPY WEIGHT kg			435	530	565	700
	OPEN DIMENSION (W x L x H) mm			900 x 1750 x 1300	900 x 1750 x 1300	900 x 1750 x 1300	900 x 1750 x 1300
	OPEN WEIGHT kg			315	410	445	580
ENGINE	BRAND			KUBOTA	KUBOTA	KUBOTA	KUBOTA
	TYPE			D1105-BG	D1703-M-BG	V2203-M-E3BG	V3300-BG
	POWER	STAND BY	kW	9,5	15	20,1	28,9
		PRIME	kW	8,4	12,8	17,2	26,3
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			1,123	1,647	2,197	3,318
	NUMBER OF CYLINDERS			3 IN LINE	3 IN LINE	4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			78 x 78,4	87 x 92,4	87 x 92,4	98 x 110
	COMPRESSION RATIO			24:1	22:1	22:1	22:1
	GOVERNOR TYPE			MECHANIC			
	INDUCTION			NATURAL			
	COMBUSTION SYSTEM			INDIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		2,47	3,58	4,77	7,61
		75% OF PRIME POWER		1,85	2,68	3,58	5,71
50% OF PRIME POWER		1,25	1,82	2,42	3,84		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			5,1	5,6	7,6	13,2	
TOTAL COOLANT CAPACITY (lt)			6	8	9	10	
FUEL TANK CAPACITY (lt)			92	92	92	92	

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.

