AGG Power Solutions

Kubota series

Diesel Generators

www.aggpower.co.uk

BENEFITS

1 Strong Power & Compact Design

The Kubota series diesel generators are equipped with Kubota diesel engine, which is featured with strong power and high torque. The canopy is designed to have the compact size , since they require less space for operation and the range of possible applications has been greatly increased.

2 Easy Maintenance

The daily inspection can be done by two side large doors, and the wide doors space allow easy access to all areas of the machine. For the inspection of radiator and cleaning radiator can be easily performed by removing both side front covers.

The maintenance cycle:

Genset Modle	Engine oil	Replace the Oil filter	Replace the Fuel filter	Replace the Air element	Belt
K7D5	200 hours	200 hours	200 hours	1 Year	500 Hours
K11D5	200 hours	200 hours	200 hours	1 Year	500 Hours
K16.5D5	200 hours	200 hours	200 hours	1 Year	500 Hours
K22D5	200 hours	200 hours	200 hours	1 Year	500 Hours
K33D5	250 hours	500 hours	500 hours	1 Year	500 Hours
K40D5	250 hours	500 hours	500 hours	1 Year	1000 Hours

3 Ultra quiet

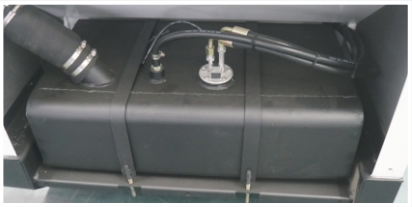
Operating noise has been minimized with low noise engines, equipped with highly attenuated muffler (residential degree) and special exhaust system design. All Kubota series diesel are adopted panel structure to minimize structural clearance andreduce internal space. Combined inlet duct design further reduces the overall noise level.

4 Enhanced Safety

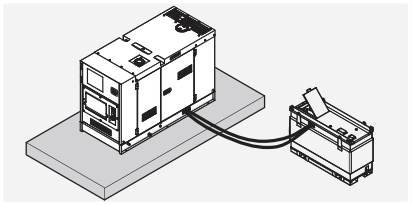
In order to eliminate the electric fault when restarting engine, they are provided with shunt trip as standard equipment to trip the main circuit breaker in caseof emergency shutdown.

5 Operator friendly

The fuel filler is outside of the canopy makes it convenient to fill fuel.



The generator is mounted with a vehicle type base frame fuel tank, fuel intake and fuel level monitoring system.



The generator can be easily connected to an external fuel tank for a long period of continuous operation.

High performance and maintenance-free batteries.

Diesel Generator | Three Phase

Authorized by AGG

Kubota Series | 400V_Diesel 7kVA - 40kVA

50HZ

Model		K7D5	K11D5	K16.5D5	K22D5	K33D5	K40D5
Engine General							
Model		D905-E2BG	D1105-E2BG	D1703-E2BG	V2203-E2BG	V3300-E2BG	V3300-T-E2BG2
No. of cylinders / Arrangement		3L	3L	3L	4L	4L	4L
Combustion type		Spherical type （E-TVCS）		Spherical type （E-TVCS）		Spherical type （E-TVCS）	
Governor Method		M	M	M	M	M	M
Bore x stroke	mm	72*73.6	78*78.4	87*92.4	87*92.4	98*110	98*110
Displacement	L	0.898	1.123	1.647	2.197	3.318	3.318
Compression ratio		23	24	23	23	22.6	21.8
Engine speed	rpm	1500	1500	1500	1500	1500	1500
Flywheel rotation		Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise	Counter-Clockwise
Engine dry weight	kg	93	93	148	180	250	241
Dimensions L x W x H	mm	551×395×605	551.3×394.8×605.1	608.4×548.3×642.8	703.4×548.3×633.3	768.6×539×793.4	768.7×539×745.9
Fuel consumption	L/h	1.8	2.3	3.4	4.5	7.2	8.6
Performances							
Prime power (gross) kWm	kWm	6.6	8.4	12.8	17.2	26.3	32.1
Stand-By Power (gross) kWm	kWm	7.4	9.5	15.1	20.1	28.9	35.3
Performance conditions							
-temperature °C	℃	25	25	25	25	25	25
-pressure	mbar	100	100	100	100	100	100
-humidity		30%	30%	30%	30%	30%	30%
Cooling Package							
Type		Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled
Fan		330mm 6 blades, Pusher		380mm 6 blades, Pusher		430mm 6 blades, Pusher	
Fan pulley	mm	96	96	104	104	130	130
Fan drive pulley	mm	112	112	130	130	143	143
Fan belt		37.5"	37.5"	41.5"	41.5"	48.0"	48.0"
Lubrication System							
Lubricating System		Forced Lubricating by Trochoid Pump					
Lubrication Oil		Class CF	Class CF	Class CF	Class CF	Class CF	Class CF
Lub.Oil Capacity		5.1	5.1	7.6	9.7	13.2	7.6
Oil Pressure Switch	kgf/cm2	0.5	0.5	0.5	0.5	0.5	0.5
Intake System							
Intake Resistance kPa	mmAq	≦ 1.96 (200)	≦ 1.96 (200)	≦ 1.96 (200)	≦ 1.96 (200)	≦ 1.96 (200)	≦ 1.96 (200)
Back Pressure kPa	mmHg	≦ 7.07 (53)	≦ 7.07 (53)	≦ 7.07 (53)	≦ 7.07 (53)	≦ 7.07 (53)	≦ 7.07 (53)
Heat Rejection to coolant	kcal/h	9,060	11,700	14500	21,600	33,594	23,887
Combustion Air Requirements (25℃ and 750mmHg)	m3/min	0.65	0.88	1.08	1.72	3.59	2.16
Exhaust System							
Exhaust Gas Volume (25℃ and 750mmHg)		2.37	2.3	2.91	5.07	9	7.16
Thermostat		71℃ (Opening Temp.)		71℃ (Opening Temp.)		76.5℃ (Opening Temp.)	
Thermostat cover		Up Outlet	Up Outlet	Up Outlet	Up Outlet	Up Outlet	Up Outlet
Electric System							
Starting System		Cell Starter (with glow plug)					
Starter motor power kW		1	1	1.4	1.4	2.5	2.5
Alternator output V-A		12-30	12-30	12-40	12-40	12-45	12-45

The rating is according to ISO 8528-1: + 25℃ mASL; 30% relative humidity. The power losses please consultant AGG Power Technical Apartment.

Further voltage rating are available under request: 50HZ_380V/415V/440V.

PRP-ISO8528: prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

ESP-ISO8528: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (of which no more than 300 h for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

ISO 9001
BUREAU VERITAS
Certification

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