

E BD EM 0300

BAUDOUIIN Series Diesel Generator Sets

STAND BY	kVA	300
	kW	240
PRIME	kVA	275
	kW	220



Water Cooled



50 hz



Easy maintenance



Modular type sound-proof canopy



3 phase



Diesel



Warning system for decreasing fuel with electronic fuel level sender



Remote control system

Standby Rating for a standby engine should be sized for a maximum of 70% average load factor and roughly 200 hours per year. Standby power ratings should never be applied except in true emergency outage situations. With standby rated generators there is no overload capability built into the units.

Prime Power is the maximum power accessible at the variable load for an unlimited number of hours per year in a variable load setting. It is not advisable that the variable load exceed 70% average of the prime power rating during any operational period. If the engine is running at 100% prime power, yearly hours should not exceed 500. Overload situations should be avoided however a 10% overload capability is available for a 1 hour period within a 12 hour cycle of operation.

Continuous Power is used in applications where supplying power is at a constant %100 load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.

QUALITY STANDARDS

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, EN12601; EN60204-1; TS ISO 8528-1 ... -13; EN12100-1; EN12100-2; EN61000-6-4; EN61000-6-2; EN61000-4-11; EN61000-4-6; EN61000-4-5; EN61000-4-2; EN55011; EN55016-2-1; EN55016-2-3; EN61000-3-2; EN61000-3-3; EN55014-1; EN61000-6-2; EN61000-4-3; EN61000-4-4; EN61000-4-8; EN61000-4-11; TS EN ISO 3744; TS EN ISO 3746; TS EN 60034-1; TS EN 60034-22; TS EN ISO 3046; BS 5514; NEMA MG 21; IEC 60034, BS 4999/5000 and TS EN 60947-1..4 standards.

We have ISO 9001-2015, ISO 14001-2015, ISO 45001-2018 and ISO 1002-2006 management system certificates from Kiwa, 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 TTS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.



Engine Specifications

- BAUDOIN series heavy duty diesel engine
- 4 cycle, water cooling system, turbocharged - aftercooler induction
- Electronic governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- 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

MODEL	6M16G300/5	
POWER	STAND BY kW	280
	PRIME kW	255
SPEED (rpm)	1500	
CYCLE	4	
DISPLACEMENT (lt)	9,726	
NUMBER OF CYLINDERS	6, in line	
BORE AND STROKE	126 x 130	
COMPRESSION RATIO	17 : 1	

GOVERNOR TYPE	Electronic	
INDUCTION	TURBOCHARGED - AFTERCOOLER	
COMBUSTION SYSTEM	DIRECT	
COOLING SYSTEM	WATER	
FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER	58,8
	75% OF PRIME POWER	45,2
	50% OF PRIME POWER	32,6
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	30	
TOTAL COOLANT CAPACITY (lt)	42	



Alternator Specifications

- 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

BRAND	EMSA	
MODEL	EGK280-250N	
FREQUENCY (HZ)	50	
POWER (KVA)	330	
DESIGN	4 pole, brushless	
CONNECTION TYPE	Star	
VOLTAGE (V)	400	

PHASE	3	
A.V.R.	SX440	
VOLTAGE REGULATION (+/-)	± 1%	
INSULATION SYSTEM	Class H	
PROTECTION	IP23	
RATED POWER FACTOR	0,8	
WEIGHT COMP. ALTERNATOR (KG)	799	