

# **EMPOWER YOUR BUSINESS...**

# E DT MC 0415/6/22-44

#### **DEUTZ Series**

#### **Diesel Generator Sets**

STANDBY	kVA	415
	kW	332
PRIME	kVA	380
	kW	304





Water Cooled



60 hz



Easy maintenance



Modular type soundproof canopy



3 phase



Diesel



Warning system for decreasing fuel with electronic fuel level sender



Remote control system

Emergency Standby Power: Emergency standby power, provided by diesel generators, acts as a backup during power outages. These generators kick in swiftly during emergencies, ensuring continuity for critical operations. Ideal for homes, businesses, and industries, their usage duration should be limited to prevent wear. Strict standards like NFPA 110 ensure their reliability.

**Prime Rated Power:** Prime rated power generators serve as primary power sources, especially in remote locations. These diesel generators handle varying loads over extended periods, making them perfect for sites without grid access. Commonly mobile, they're crucial for mining, construction, and energy industries, offering consistent, prime-rated power supply.

Continuous Operation Power: Continuous operation generators offer non-stop, stable power output, especially where grid access is inconsistent or expensive. These generators operate at a consistent 100% load, making them indispensable for remote mining, military, or farming sites. Unlike prime-rated generators, they don't vary in power, ensuring unwavering power delivery.

#### **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**

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

MODEL	BF6M1015C-LA-G3A		
POWER	STANDBY kW	365	
	PRIME kW	332	
SPEED (rpm)		1800	
Cycle		4	
DISPLACEMENT (lt)		11906	
NUMBER OF CYLINDERS		6 V	
BORE AND STROKE		132 x 145	
COMPRESSION RATIO	)	16.5 : 1	

- Oil discharge valve and extention 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

GOVERNOR TYPE	Electronic			
Induction	TURBOCHARGED - INTERCOOLER			
COMBUSTION SYSTEM	И	DIRECT		
Cooling System		WATER		
FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER	76		
	75% OF PRIME POWER	56		
	50% OF PRIME POWER	37		
TOTAL LUBRICATION	SYSTEM CAPACITY (	lt) 38		
TOTAL COOLANT CAP	ACITY (It)	67		



# **Alternator Specifications**

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter

BRAND	MECC ALTE
MODEL	ECO38-2L/4
FREQUENCY (HZ)	60
POWER (KVA)	444
DESIGN	4 pole, brushless
CONNECTION TYPE	Parallel Star / Star
VOLTAGE (V)	220/440

- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

Phase	3
A.V.R.	DER-1A
VOLTAGE REGULATION (+/-)	± 1%
INSULATION SYSTEM	Class H
PROTECTION	IP23
RATED POWER FACTOR	0.8
WEIGHT COMP. ALTERNATOR (KG)	930



### **Genset Controllers**



#### **Datakom SMART 500-MK2**

The SMART 500-MK2 is a cost effective genset controller ready for BMS integration and internet monitoring











### **OPTIONAL GENSET CONTROLLERS OPTIONAL**

Datakom SMART 200

Datakom D500

Datakom D500-GSM

DEEPSEA 6120

DEEPSEA 7320

ComAp AMF25













	Datakom SMART 200	Datakom SMART 500-MK2	Datakom D500	Datakom D500 GSM	DEEPSEA 6120	DEEPSEA 7320	ComAp AMF25
AUTOMATIC MAINS MONITORING	✓	✓	✓	✓	✓	1	1
MANUEL START	✓	✓	✓	✓	✓	<b>✓</b>	<b>✓</b>
REMOTE START	✓	1	1	<b>✓</b>	1	<b>✓</b>	<b>✓</b>
REMOTE MONITORING WITH SIM CARD	OPTIONAL	OPTIONAL	OPTIONAL	✓	×	OPTIONAL	OPTIONAL
1 ADITIONAL OPTION (HORN, OIL-FUEL HEATER ETC.)	×	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
LIGHT WARNING AND MIMIC DIAGRAM	✓	✓	✓	✓	✓	1	1
BATTERY CHARGER	✓	✓	✓	✓	✓	<b>✓</b>	<b>✓</b>
RS-485 COMMUNICATION	OPTIONAL	OPTIONAL	✓	✓	×	<b>✓</b>	OPTIONAL
ETHERNET (TCP-IP) COMMUNICATION	×	✓	✓	✓	×	OPTIONAL	OPTIONAL

## GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS OPTIONAL

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

DEEPSEA 8610



DEEPSEA 8620



ComAp InteliGen BaseBox



ComAp InteliGen 200













## Canopy

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance

- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammeable acoustic foam
- Nano tech cleaning system
- Container optional

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<u></u>	Dimensions (W x L x H) mm	1748x3250x2487 *	1	Dimensions (W x L x H) mm	1600x2990x2286	
KG	Weight (Kg)	3238	KG	Weight (Kg)	2740	
	Fuel tank capacity (lt)	730 Internal type		Fuel tank capacity (lt)	730 Internal type	



#### External type

#### **SILENCER OPTIONS**

- Standard industrial type
- Critical type
- Hospital type

#### **GEN-SET SAFETY PROTECTION & ALARMS**

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

**CANOPY OPTIONS** 

Standard canopy

Super silent canopy

- Over current load • High & low genset voltage
- Start/stop failure

#### **OPTIONAL EQUIPMENTS**

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile trailer
- Synchronization control panel for 2-16 gensets

• 3 pole/4 pole automatic transfer panel (A.T.S.)

• Extra super silent canopy (thicker insulation)

- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system





