

DEUTZ

Technical Specifications



ENGINE

- DEUTZ series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air TO AIR cooled /turbocharged & air to water 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 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

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 braker (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 seperator 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
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

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



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



DEUTZ Series

Diesel Generator Sets

DEUTZ Series Diesel Generator Sets 440-850 kVA

MODEL				E DT XX 0440	E DT XX 0550	E DT XX 0630	E DT XX 0700	E DT XX 0850
GROUP	GEN-SET POWER	STAND BY	kVA	440	550	630	700	850
			kW	352	440	504	560	680
		PRIME	kVA	400	500	573	636	773
			kW	320	400	458	509	618
	CANOPY DIMENSION (W x L x H) mm			1600x3250x2510	1600x3700x2650	1600x3700x2650	1600x3700x2650	1900x4200x2850
	CANOPY WEIGHT kg			4084	4772	5058	5200	6477.4
	OPEN DIMENSION (W x L x H) mm			1600x2995x2240	1600x3500x2185	1600x3500x2185	1600x3500x2185	1900x4000x2450
	OPEN WEIGHT			3527	4266	4552	4694	5868
ENGINE	BRAND			DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
	TYPE			BF8MIO15CP-LA G	BF8MIO15C-LA G2	BF8MIO15CP-LA G4	BF8MIO15CP-LA G5	HC12V132ZL
	POWER	STAND BY	kW	365	440	540	560	740
		PRIME	kW	328	416	504	560	680
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			11.906	15.874	15.874	15.874	23.812
	NUMBER OF CYLINDERS			6 V	8 V	8 V	8 V	12 V
	BORE x STROKE (mm x mm)			132 x 145	132 x 145	132 x 145	132 x 145	132 x 145
	COMPRESSION RATIO			16.5 : 1	16.5 : 1	16.5 : 1	16.5 : 1	16.5 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	COOLING SYSTEM			WATER	WATER	WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		76.53	94.03	104.7	118.77	154.79
		%75 PRIME POWER		57.4	70.53	78.52	89.08	116.09
%50 PRIME POWER		38.25	47.02	52.35	59.38	77.39		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			38	48	48	48	54	
TOTAL COOLANT CAPACITY (lt)			67	87	93	93	111	
FUEL TANK CAPACITY (lt)			770	1041	1041	1041	1210	

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