

QUALITY STANDARD

Our gensets are manufactured in accordance with the standards of VD 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601. Emsa also fulfills the requirements of ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management systems and have the accredited certificates of Kiwa & MEYER. Our products have TS ISO 8528-5, TS 12601 and GOST-R certificates and are CE certified in accordance with 2000/14/EC noise emission directive.



MODEL			E SD XX 0220	E SD XX 0285	E SD XX 0330	E SD XX 0385	E SD XX 0460	
GROUP	GEN - SET POWER	STAND BY	KVA	220	285	330	385	460
			KW	176	228	264	308	368
		PRIME	KVA	200	260	300	350	420
			KW	160	208	240	280	336
	CANOPY DIMENSION (W x L x H) mm			1150 x 3900 x 2535	1150 x 3900 x 2535	1150 x 3900 x 2535	1600 x 3600 x 2550	1600 x 3600 x 2550
	CANOPY WEIGHT kg			2800	2950	3110	3660	3730
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 2390	1150 x 3340 x 2390	1150 x 3340 x 2390	1600 x 3000 x 2820	1600 x 3000 x 2820
OPEN WEIGHT kg			2320	2470	2630	2980	3050	
ENGINE	BRAND		DONGFENG SHANGHAI DIESEL	DONGFENG SHANGHAI DIESEL	DONGFENG SHANGHAI DIESEL	DONGFENG SHANGHAI DIESEL	DONGFENG SHANGHAI DIESEL	
	TYPE		6135AZD-3	6135AZLD	6135BZLD	6135BZLD-1	SC15G500	
	POWER	STAND BY	KW	190	245	284	329	393
		PRIME	KW	173	223	258	299	357
	SPEED (rpm)		1500	1500	1500	1500	1500	
	CYCLE		4	4	4	4	4	
	DISPLACEMENT (lt)		12,90	12,90	13,31	13,64	14,16	
	NUMBER OF CYLINDERS		6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	
	BORE AND STROKE (mm x mm)		135 X 150	135 X 150	135 X 155	135 X 160	135 x 165	
	COMPRESSION RATIO		16:1	16:1	14,8:1	16,5 : 1	15,55:1	
	GOVERNOR TYPE		ELECTRONIC					
	INDUCTION		TURBOCHARGED	TURBOCHARGED & AIR TO AIR CHARGE COOLED				
	COMBUSTION SYSTEM		DIRECT INJECTION					
	COOLING SYSTEM		WATER					
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER	44,72	57,75	66,72	77,51	94,72	
		75% OF PRIME POWER	33,54	43,31	50,04	58,13	71,04	
50% OF PRIME POWER		22,36	28,87	33,36	38,75	47,36		
FUEL TANK CAPACITY (lt)		550	550	550	700	700		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)		25	25	40	40	35		
ENGINE WATER COOLING CAPACITY (lt)		46	49	53	60	61		

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

220-460 kVA



Durable, quality and economical option with lower depreciation and less maintenance

Diesel Generator Sets



EASY ASSEMBLING BASE FRAME*

*Valid for only 220, 285 and 330 kVa products

- Easy Assembling Base Frame with screw & nuts
- Refilling from out of canopy
- Canopy made of galvanized steel
- Warning system for decreasing fuel with electronic fuel level sender

Online Remote Monitoring System

Thanks to **Remote Monitoring System**, Emsa Generator will be followed up by expert technicians for **one year free of charge**. By this way you can avoid the service cost and live an uninterrupted life with early diagnosis.

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

AUTOMATIC CONTROL PANEL

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



EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital (critical) type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 gensets.
- 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter

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
- External silencer
- Lifting hooks on the cabin for easy handling (valid only for 220 & 285 kVa products)

DONGFENG 220-460 kVA Technical Specifications

ENGINE

- DONGFENG Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air 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

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

