

YANG DONG 22-30 kVA

Technical Specifications



ENGINE

- YANG DONG series heavy duty diesel engine
- 4 cycle, water cooled, naturally aspirated
- Direct injection
- Mechanic / electronic governor system
- 12/24 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

QUALITY STANDARD

Our gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are certified in accordance with the requirements of 2000/14/EC, noise emission directive.

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

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.
- 3 pole/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

AUTOMATIC CONTROL PANEL

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

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



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



YANG DONG Series

Diesel Generator Sets

YANG DONG Series Diesel Generator Sets 22-30 kVA

MODEL				E YD XX 0022	E YD XX 0030
GROUP	GEN - SET POWER	STAND BY	kVA	22	30
			kW	17,6	24
		PRIME	kVA	20	27
			kW	16,0	21,8
	CANOPY DIMENSION (W x L x H) mm			900 x 2100 x 1365	900 x 2100 x 1365
	CANOPY WEIGHT kg			700	740
	OPEN DIMENSION (W x L x H) mm			900 x 1750 x 1185	900 x 1750 x 1185
	OPEN WEIGHT kg			560	600
ENGINE	BRAND			YANG DONG	YANG DONG
	TYPE			YND485D	YSD490D
	POWER	STAND BY	kW	21	29
		PRIME	kW	19	26
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			2,156	2,54
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			85 x 95	90 x 100
	COMPRESSION RATIO			18:1	18:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC	
	INDUCTION			NATURAL	
	COMBUSTION SYSTEM			DIRECT INJECTION	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		5,62	7,55
		75% OF PRIME POWER		4,22	5,66
		50% OF PRIME POWER		2,81	3,77
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			6,70	7,60	
TOTAL COOLANT CAPACITY (lt)			19	19	
FUEL TANK CAPACITY (lt)			92	92	

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

