

## RICARDO 110-175 kVA

### Technical Specifications



#### ENGINE

- RICARDO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- 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 CE 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



# RICARDO Series

## Diesel Generator Sets

### RICARDO Series Diesel Generator Sets 110-175 kVA

MODEL				E RC XX 0110	E RC XX 0125	E RC XX 0150	E RC XX 0175
GROUP	GEN - SET POWER	STAND BY	kVA	110	125	150	175
			kW	88	100	120	140
		PRIME	kVA	100	115	136	158
			kW	80,0	92,0	109,0	126
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870	1050 x 3180 x 1870	1050 x 3580 x 1870
	CANOPY WEIGHT kg			1520	1525	1630	1690
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1850	1050 x 2700 x 1850	1050 x 2700 x 1850	1050 x 3100 x 1950
	OPEN WEIGHT kg			1270	1275	1380	1440
ENGINE	BRAND			RICARDO	RICARDO	RICARDO	RICARDO
	TYPE			R6105ZD	R6105ZD	R6105AZLD	R6105IZLD
	POWER	STAND BY	kW	110	110	131	158
		PRIME	kW	100	100	119	143
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			6,49	6,49	6,75	7,01
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE
	BORE AND STROKE (mm x mm)			105 x 125	105 x 125	105 x 130	105 x 135
	COMPRESSION RATIO			16:1	16:1	16:1	16:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC			
	INDUCTION			TURBOCHARGED		TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		23,92	27,18	30,51	33,47
		75% OF PRIME POWER		17,94	20,38	22,88	25,10
50% OF PRIME POWER		11,96	13,59	15,26	16,74		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			19	19	19	19	
TOTAL COOLANT CAPACITY (lt)			40	40	40	40	
FUEL TANK CAPACITY (lt)			280	280	280	380	

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

