

The Reliable Supplier for Power System Solution

RICARDO 110-170 kVA



Easy maintenance canopy design



Refilling from the outside of the canopy



Warning system for decreasing fuel with electronic fuel level sender

Technical Specifications

ENGINE

- RICARDO series heavy duty diesel engine
- 4 cycle, water cooled, natural / turbocharged / turbocharged and air to air charge cooled
- Direct injection
- 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 generators are manufactured in compliance with CE, ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 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
- 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
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION AND 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

Ricardo Series Diesel Generator Sets 110-170 kVA

MODEL		SPRC110	SPRC150	SPRC170
ENGINE				
BRAND		RICARDO	RICARDO	RICARDO
TYPE		R6105ZD	R6105AZLD	R6105IZLD
POWER (kW)	STAND BY	83	121	129
	PRIME	75	110	118
SPEED (rpm)		1500	1500	1500
CYCLE		4	4	4
DISPLACEMENT (l)		6,75	6,75	6,75
NUMBER OF CYLINDERS / ALIGNMENT		4 IN LINE	6 IN LINE	6 IN LINE
BORE AND STROKE (mm / mm)		105 / 125	105 / 130	105 / 130
COMPRESSION RATIO		17:1	16:1	17:1
GOVERNOR TYPE		ELECTRONIC	ELECTRONIC	ELECTRONIC
INDUCTION		TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	
COOLING SYSTEM		WATER	WATER	WATER
FUEL CONSUMPTION (l/h)	100% OF PRIME POWER	20	26	30
	75% OF PRIME POWER	15	19,5	23
	50% OF PRIME POWER	10	13	15
	25% OF PRIME POWER	5	6,5	7,5
FUEL TANK CAPACITY (l)		200	260	300
GROUP				
GEN - SET POWER	STAND BY	110 kVA / 88 kW	150 kVA / 120 kW	170 kVA / 136 kW
	PRIME	100 kVA / 80 kW	133 kVA / 110 kW	153 kVA / 122 kW
CANOPY DIMENSION (W x L x H) (mm)		1100 x 2300 x 1700	1100 x 2300 x 1700	1100 x 2300 x 1700
CANOPY WEIGHT (kg)		800	1200	1300
OPEN DIMENSION (W x L x H) (mm)		800 x 1800 x 1300	900 x 1800 x 1400	900 x 1800 x 1500
OPEN WEIGHT (kg)		500	800	870

Samurai Power reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.