

PERKINS 250-330 kVA

Technical Specifications



ENGINE

- PERKINS series heavy duty diesel engine
- 4 cycle, water cooled, 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

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 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 & 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

PERKINS Series Diesel Generator Sets 250-330 kVA

MODEL				PR XX 0250	PR XX 0275	PR XX 0300	PR XX 0330
GROUP	GEN - SET POWER	STAND BY	kVA	250	275	300	330
			kW	200	220	240	264
		PRIME	kVA	230	250	275	300
			kW	184	200	220	240
	CANOPY DIMENSION (W x L x H) mm			1150 x 3820 x 2460	1150 x 3820 x 2460	1150 x 3820 x 2460	1150 x 3820 x 2460
	CANOPY WEIGHT kg			2500	2515	2520	2670
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 1900	1150 x 3340 x 1900	1150 x 3340 x 1900	1150 x 3340 x 1900
	OPEN WEIGHT kg			2200	2220	2220	2370
ENGINE	BRAND			PERKINS	PERKINS	PERKINS	PERKINS
	TYPE			1506A - E88TAG2	1506A - E88TAG3	1506A-E88TAG4	1506A-E88TAG5
	POWER	STAND BY	kW	223	245	267	293
			PRIME	kW	201	223	244
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			8,8	8,8	8,8	8,8
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE
	BORE AND STROKE (mm x mm)			112 x 149	112 x 149	112 x 149	112 x 149
	COMPRESSION RATIO			16,1 : 1	16,1 : 1	16,1 : 1	16,1 : 1
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		48,6	55,5	60,2	64,9
		75% OF PRIME POWER		35,7	41,6	45,8	48,2
50% OF PRIME POWER		23,5	28,9	31,6	33,00		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			41	41	41	41	
TOTAL COOLANT CAPACITY (lt)			29,6	29,6	33,2	33,2	
FUEL TANK CAPACITY (lt)			585	585	585	585	