

PERKINS 825-1250 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 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



PERKINS Series Diesel Generator Sets 825-1250 kVA

MODEL			E PR XX 0825	E PR XX 0900	E PR XX 1002	E PR XX 1125	E PR XX 1250	
GROUP	GEN - SET POWER	STAND BY	kVA	825	900	1002	1125	1250
			kW	660	720	802	900	1000
		PRIME	kVA	750	800	911	1022	1136
			kW	600	640	729	818	909
	CANOPY DIMENSION (W x L x H) mm			1900 x 5290 x 3640	1900 x 5290 x 3640	2200 x 5300 x 3390	2200 x 5300 x 3390	2200 x 5300 x 3390
	CANOPY WEIGHT kg			7600	7600	9200	9300	9300
	OPEN DIMENSION (W x L x H) mm			1900 x 4350 x 2765	1900 x 4350 x 2765	2160 x 4960 x 2824	2160 x 4960 x 2824	2160 x 4960 x 2824
	OPEN WEIGHT kg			6900	6900	8500	8600	8600
ENGINE	CONTAINER DIMENSION (W x L x H) mm			1900 x 5290 x 3640	1900 x 5290 x 3640	2200 x 5300 x 3390	2200 x 5300 x 3390	2200 x 5300 x 3390
	CONTAINER WEIGHT kg			7600	7600	9200	9300	9300
	BRAND			PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
	TYPE			4006 - 23TAG2A	4006 - 23TAG3A	4008TAG1A	4008TAG2A	4008-30TAG3
	POWER	STAND BY	kW	695	760	844	947	1055
		PRIME	kW	632	679	767	861	947
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			22,921	22,921	30,561	30,561	30,561
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	8 IN LINE	8 IN LINE	8 IN LINE
	BORE AND STROKE (mm x mm)			160 x 190	160 x 190	160 x 190	160 x 190	160 x 190
	COMPRESSION RATIO			13,6 : 1	13,6 : 1	13,6 : 1	13,6 : 1	13,6 : 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		157,00	172,00	195,00	215,00	244,00
75% OF PRIME POWER		121,00	130,00	143,00	162,00	188,00		
50% OF PRIME POWER		83,00	90,00	98,00	111,00	120,00		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			113,4	113,4	153	153	153	
TOTAL COOLANT CAPACITY (lt)			105	105	149	162	162	
FUEL TANK CAPACITY (lt)			1600	1600	1725	1950	2500	

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