

PERKINS 2000-2500 kVA Technical Specifications



ENGINE

- PERKINS series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled / turbocharged & air to water 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 requirements of standards 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

- INFINITY brushless 12 ends alternator
- Single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class, Self-excited
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- Leroy Somer, Stamford, SINCRO and Mecc Alte alternators are optional

EXTRA EQUIPMENTS

- Charge ammeter
- Molded case circuit breaker (in automatic models)
- Hospital (critical) type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 gensets.
- 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter

CANOPY

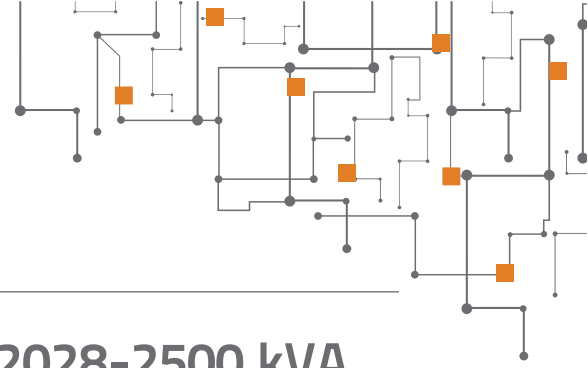
- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

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



PERKINS Series Diesel Generator Sets 2028-2500 kVA

MODEL				IPG2000P	IPG2250P	IPG2260P	IPG2500P
GROUP	GEN - SET POWER	STAND BY	kVA	2028	2250	2264	2500
			kW	1622	1800	1811	2000
		PRIME	kVA	1844	2000	2058	2250
			kW	1476	1600	1646	1800
	CANOPY DIMENSION (W x L x H) mm			N/A	N/A	N/A	N/A
	CANOPY WEIGHT kg			N/A	N/A	N/A	N/A
	OPEN DIMENSION (W x L x H) mm			2360 x 5800 x 3178	2360 x 5800 x 3178	2360 x 5800 x 3178	2360 x 5800 x 3178
	OPEN WEIGHT kg			12350	12550	12550	12750
ENGINE	BRAND			PERKINS	PERKINS	PERKINS	PERKINS
	TYPE			4016TAG1A	4016 - 61TRG2	4016TAG2A	4016 - 61TRG3
	POWER	STAND BY	kW	1690	1895	1886	2083
		PRIME	kW	1537	1684	1715	1875
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			61,123	61,123	61,123	61,123
	NUMBER OF CYLINDERS			16 - 60° V	16 - 60° V	16 - 60° V	16 - 60° V
	BORE AND STROKE (mm x mm)			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
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO WATER CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO WATER CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER	REMOTE RADIATOR	WATER	REMOTE RADIATOR
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		370,69	422,00	421,69	470,00
75% OF PRIME POWER		268,52	318,00	307,19	344,00		
50% OF PRIME POWER		179,02	216,00	203,78	234,00		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			237,2	237,2	237,2	237,2	

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