

PERKINS 10-22 kVA Technical Specifications



ENGINE

- PERKINS series heavy duty diesel engine
- 4 cycle, water cooled, naturally aspirated
- Indirect injection
- Mechanic / Rotary type pump
- 12 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

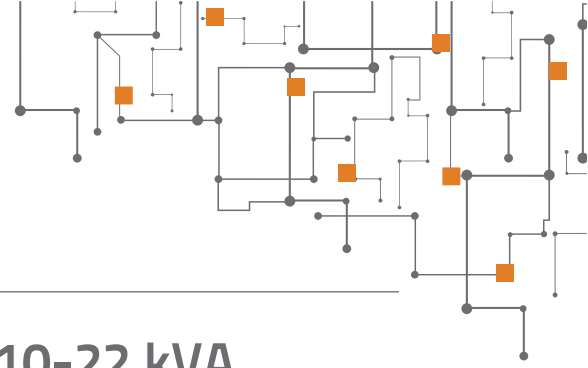
- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

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 10-22 kVA

MODEL			IPG10P	IPG15P	IPG22P	
GROUP	GEN - SET POWER	STAND BY	kVA	10	14,5	22,3
			kW	8	11,6	17,8
		PRIME	kVA	9	13,1	20,3
			kW	7,2	10,5	16,2
	CANOPY DIMENSION (W x L x H) mm			900 x 2200 x 1550	900 x 2200 x 1550	900 x 2200 x 1550
	CANOPY WEIGHT kg			745	760	820
	OPEN DIMENSION (W x L x H) mm			900 x 1600 x 1630	900 x 1600 x 1630	900 x 1600 x 1630
	OPEN WEIGHT kg			540	555	615
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			403A - 11G1	403A - 15G1	404A - 22G1
	POWER	STAND BY	kW	9,2	13,2	20,3
		PRIME	kW	8,4	12	18,4
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			1,131	1,496	2,216
	NUMBER OF CYLINDERS			3 IN LINE	3 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			77 x 81	84 x 90	84 x 100
	COMPRESSION RATIO			23:1	22,5:1	23,3:1
	GOVERNOR TYPE			MECHANIC		
	INDUCTION			NATURAL		
	COMBUSTION SYSTEM			INDIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		3,00	3,70	5,30
		75% OF PRIME POWER		2,30	2,80	4,00
50% OF PRIME POWER		1,70	2,00	2,90		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			4,9	6	10,6	

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