NPOWER
Power and automation technologies.

Perkins
Series Diesel Generator Sets

150 kVA - 200 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / 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 extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

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

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

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

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MODEL				N PR XX 0150	N PR XX 0165	N PR XX 0200
GROUP	GEN-SET POWER	STAND BY	kVA	150	165	200
			kW	120	132	160
		PRIME	kVA	135	150	180
			kW	108	120	144
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870	1050 x 3580 x 1870
	CANOPY WEIGHT kg			1750	1750	1940
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1650	1050 x 2700 x 1650	1050 x 3100 x 1650
	OPEN WEIGHT			1505	1505	1680
ENGINE	BRAND			PERKINS	PERKINS	PERKINS
	TYPE			1106A - 70TG1	1106A - 70TAG2	1106A - 70TAG3
	POWER	STAND BY	kW	131,4	144,1	175,2
		PRIME	kW	118,3	131	157,7
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			7,01	7,01	7,01
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 x 135	105 x 135	105 x 135
	COMPRESSION RATIO			18,2 : 1	16:01	16:01
	GOVERNOR TYPE			MECHANIC		
	INDUCTION			TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		30,2	33,40	41,2
		%75 PRIME POWER		22,70	24,70	30,9
		%50 PRIME POWER		15,90	16,40	20,6
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			18,0	16,5	16,5
	TOTAL COOLANT CAPACITY (lt)			21	21	21
	FUEL TANK CAPACITY (lt)			280	280	380

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