NPOWER
Power and automation technologies.

Perkins
Series Diesel Generator Sets

10 kVA - 22 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 0010	N PR XX 0015	N PR XX 0022
GROUP	GEN-SET POWER	STAND BY	kVA	10	14,5	22,3
			kW	8	11,6	17,8
		PRIME	kVA	9	13	20,3
			kW	7,2	10,5	16,2
	CANOPY DIMENSION (W x L x H) mm			900 x 2100 x 1310	900 x 2100 x 1310	900 x 2100 x 1310
	CANOPY WEIGHT kg			515	525	595
	OPEN DIMENSION (W x L x H) mm			900 x 1750 x 1145	900 x 1750 x 1235	900 x 1750 x 1285
	OPEN WEIGHT			395	405	480
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 CYLNDERS			3 IN LINE	3 IN LINE	4 IN LINE
	BORE x 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 PRIME POWER		3,00	3,70	5,30
		%75 PRIME POWER		2,30	2,80	4,00
		%50 PRIME POWER		1,70	2,00	2,90
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			4,9	6	10,6
	TOTAL COOLANT CAPACITY (lt)			5,2	6	7
	FUEL TANK CAPACITY (lt)			92	92	92

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OHSAS 18001 ISO 9001 ISO 14001

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