

genpower®
generator

models

GPR 150
GPR 207
GPR 229
GPR 250
GPR 275
GPR 350
GPR 400
GPR 450
GPR 500



GPR Series

With Perkins Engine
1500 rpm, 50 Hz

STANDART PROPERTIES

ENGINE

- * PERKINS diesel engine
- * Revolution : 1500 rpm
- * Water cooled
- * Tropical type radiator

ALTERNATOR

- * LEROY SOMER alternator
- * Synchronic
- * Brushless type
- * Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- * Short circuit resistance 300% for 10 seconds
- * Automatic voltage regulator (AVR)
- * Insulation class: H
- * Protection class: IP23
- * Insulation resistance: 1800 V
- * Voltage: 231/400 V
- * Frequency: 50 Hz
- * Voltage regulation tolerance: $\pm 1\%$

CHASSIS

- * Mounted on the steel chassis
- * Vibration dampers between engine and chassis
- * Fuel tank is located in the chassis (external type for 800 kVA and above)
- * Dial type fuel indicator

QUALITY CERTIFICATES



TS EN ISO 9001:2000
Quality Management System
Certificate no:
12 100 19511 TMS



Certificate of Conformity
to Turkish Standard
TS-ISO-8528-4
equivalent to:
(EN 300182-1V 1.3.6)

CANOPY

- * Designed for easy lifting and moving
- * Metal parts are coated with electrostatic powder paint
- * Exhaust silencer is protected against environmental effects
- * Thermally insulated exhaust system
- * Acoustic insulation with rot-proof, moisture-repellent impregnation and non-flammable material (per DIN 4102 A2)

MANUEL CONTROL PANEL

- * WOODWARD electronic equipments
- * Ammeter (3 units)
- * Voltmeter (1 unit)
- * Voltage commutator
- * Engine coolant temperature indicator
- * Engine oil pressure indicator
- * Counter for working hour
- * Relays
- * Warning lamps and fuses
- * 3 poles switch with thermic magnetic protection
- * Engine protection unit
- * Emergency stop button

AUTOMATIC CONTROL PANEL

- * WOODWARD electronic equipments
- * Ammeter (3 units)
- * Voltmeter (1 unit)
- * Voltage commutator
- * Engine coolant temperature indicator
- * Engine oil pressure indicator
- * Counter for working hour
- * Relays
- * Warning lamps and fuses
- * Emergency stop button
- * Contactors (2 units, with appropriate amper)
- * Automatic transfer unit
- * Battery charger
- * By-pass switch (for 110 kVA and above)

OPTIONAL PROPERTIES

- * Thermic magnetic switch for automatic models
- * Protection canopy
- * Sound proof canopy
- * Mounting on trailer
- * Automation with PLC
- * Automatic fuel filling system (for models with internal fuel tank)
- * Electronic fuel level indicator with low fuel alarm
- * Power distribution panel
- * Remote control unit for computerized control
- * Panels for synchronising and parallel running
- * Electronic governor for engines with mechanical governor

With Perkins Engine
1500 rpm, 50 Hz



TECHNICAL SPECIFICATIONS

MODELS, 1500 rpm, 50 Hz	GPR 150	GPR 207	GPR 229	GPR 250	GPR 275	GPR 350	GPR 400	GPR 450	GPR 500	
POWER OUTPUT										
Stand-by	kVA(kW)	150(120)	207(166)	229(183)	250(200)	275(220)	350(280)	400(320)	450(360)	500(400)
Prime	kVA(kW)	135(108)	189(151)	208(166)	228(182)	250(200)	300(240)	350(280)	400(320)	453(363)
ENGINE										
Brand		PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Model		1006 TAG	1306 E87 TAG2	1306C E87 TAG3	1306C E87 TAG4	1306C E87 TAG6	2306C E14 TAG1A	2306C E14 TAG2	2306C E14 TAG3	2806C E16 TAG1
Stand-by Power	kW(hp)	133,5(179)	180(243)	199(267)	217(291)	239(320)	304(408)	344(461)	387(519)	433(581)
Prime Power	kW(hp)	121(162,5)	164(220)	180(243)	198(265)	218(291)	261(350)	304(408)	344(461)	390(523)
No of Cylinders		6	6	6	6	6	6	6	6	6
Air Intake System		Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*
Governor		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption 1/2 Load	lt/hour	16,5	22,5	24	26,1	28,7	31,5	38	42,3	49,4
Fuel Consumption Full Load	lt/hour	31,5	41	45,2	48,5	55	62,4	70,6	81,1	95
Fuel Tank Capacity	lt	501	501	501	501	501	664	664	664	918
ALTERNATOR										
Brand		LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER
Model		LSA 44.2 S75	LSA 46.2 M5	LSA 46.2 L6	LSA 46.2 L6	LSA 46.2 L6	LSA 47.2 VS2	LSA 47.2 VS2	LSA 47.2 S4	LSA 47.2 S5
Stand-by Power	kVA(kW)	150(120)	223(178)	275(220)	275(220)	275(220)	420(336)	420(336)	450(360)	500(400)
Prime Power	kVA(kW)	135(108)	200(160)	250(200)	250(200)	250(200)	365(292)	365(292)	410(328)	455(364)
DIMENSIONS AND WEIGHT										
Width w/o canopy (w/canopy)	mm	1200(1200)	1200(1200)	1200(1200)	1200(1200)	1200(1200)	1500(1500)	1500(1500)	1500 (1500)	1500 (1500)
Length w/o canopy (w/canopy)	mm	2600(3600)	2600(3600)	2600(3600)	2600(3600)	2600(3600)	3100(4200)	3100(4200)	3100 (4200)	3500 (4600)
Height w/o canopy (w/canopy)	mm	1600(2150)	1700(2150)	1700(2150)	1700(2150)	1700(2150)	2000(2350)	2000(2350)	2000 (2350)	2000 (2700)
Weight w/o canopy (w/canopy)	kg	1475(2115)	1800(2600)	1850(2630)	1900(2680)	1985(2765)	3100(3600)	3186 (3636)	3186 (3636)	3350 (4200)

Turbo AAC*: Turbo Charged, air to air after cooled.

GENPOWER reserves the right to modify the characteristics of its products at any time in order to incorporate the latest technological developments.

The information contained in this document may therefore be changed without notice. For more technical data and information, please contact to GENPOWER

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