

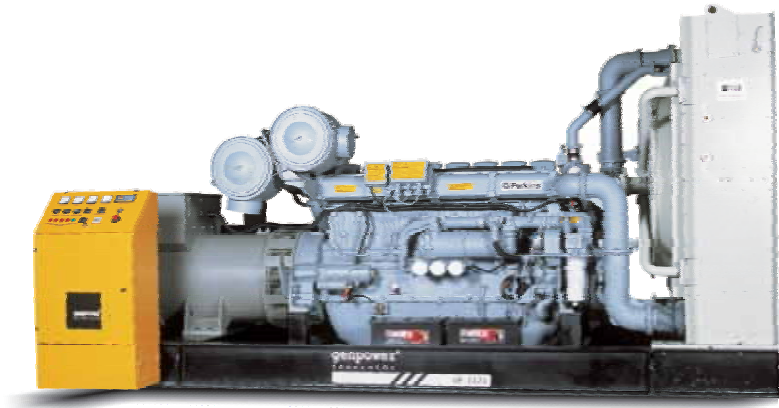
genpower®
generator

models

GPR 550
GPR 635
GPR 700
GPR 800
GPR 900
GPR 1125
GPR 1401
GPR 1656
GPR 2264

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 550	GPR 635	GPR 700	GPR 800	GPR 900	GPR 1125	GPR 1401	GPR 1656	GPR 2264	
POWER OUTPUT										
Stand-by	kVA(kW)	553(443)	635(508)	700(560)	800(640)	900(720)	1125(900)	1401(1121)	1656(1325)	2264(1811)
Prime	kVA(kW)	500(400)	550(440)	635(508)	730(584)	800(640)	1022(818)	1274(1019)	1505(1204)	2058(1646)
ENGINE										
Brand		PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Model		2806C E16 TAG2	2806C E18 TAG1	2806C E18 TAG2	4006 23TAG2A	4006 23TAG3A	4008 TAG2A	4012 TAG	4012 TAG2A	4016 TAG2A
Stand-by Power	kW(hp)	471(632)	553(742)	599(803)	685(918)	760(1019)	947(1270)	1168(1566)	1380(1851)	1886(2529)
Prime Power	kW(hp)	433(581)	475(637)	542(727)	620(831)	679(910)	861(1155)	1061(1422)	1254(1682)	1715(2300)
No of Cylinders		6	6	6	6	6	8	12	12	16
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	54,2	56	63	75	86	103,8	127,3	143,8	203,7
Fuel Consumption Full Load	lt/hour	104,9	108	125	149	164	221	257,1	296,5	421,6
Fuel Tank Capacity	lt	918	918	918	1250 External	1500 External	2000 External	2250 External	2500 External	3500 External
ALTERNATOR										
Brand		LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER
Model		LSA 47.2 M7	LSA 47.2 L9	LSA 49.1 S4	LSA 49.1 M75	LSA 49.1 L9	LSA 50.1 S4	LSA 50.1 M7	LSA 50.1 VL10	LSA 51.2 L70
Stand-by Power	kVA(kW)	570(456)	660(528)	725(580)	880(704)	960(768)	1130(904)	1460(1168)	1740(1392)	2365(1892)
Prime Power	kVA(kW)	500(400)	600(480)	660(528)	800(640)	880(704)	1025(820)	1325(1060)	1580(1264)	2150(1720)
DIMENSIONS AND WEIGHT										
Width w/o canopy (w/canopy)	mm	1500 (1500)	1500(1500)	1500(2000)	2000(2200)	2000(2200)	1900(2200)	1900(2200)	2300(2450)	2800(3200)
Length w/o canopy (w/canopy)	mm	3500 (4600)	3500(4600)	3500(4500)	4000(5000)	4000(5000)	4800(6300)	5000(6500)	5200(6500)	5750(7200)
Height w/o canopy (w/canopy)	mm	2000 (2700)	2250(2700)	2250(2700)	2100(2850)	2100(2850)	2500(3400)	2700(3500)	2900(3000)	3500(4250)
Weight w/o canopy (w/canopy)	kg	3500 (4560)	3800(4900)	3900(5110)	4800(5800)	5000(6000)	7500(9000)	8900(10200)	10000(11400)	13250(15000)

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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