

**genpower**<sup>®</sup>  
generator

models

GPR 10

GPR 15

GPR 23

GPR 33

GPR 50

GPR 66

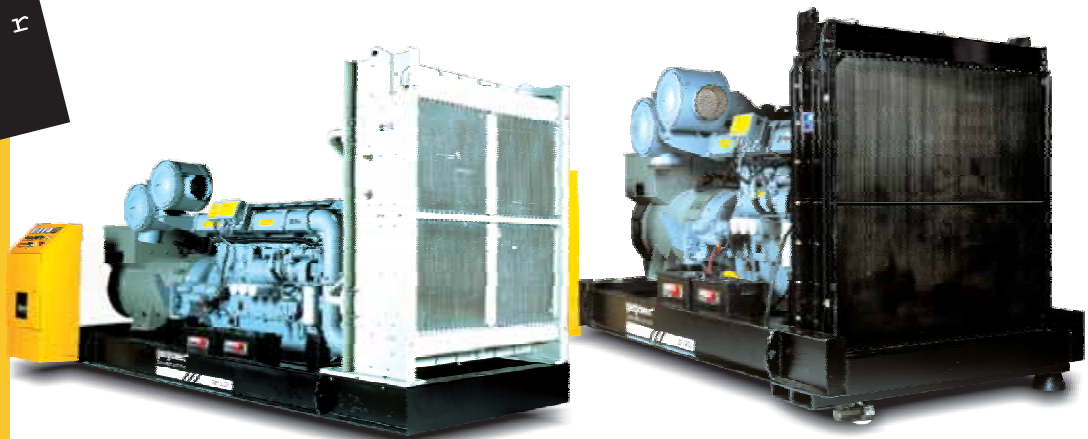
GPR 71

GPR 88

GPR 110

# 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 10	GPR 15	GPR 23	GPR 33	GPR 50	GPR 66	GPR 71	GPR 88	GPR 110	
<b>POWER OUTPUT</b>										
Stand-by	kVA(kW)	10(8)	14,5(11,6)	22,7(18,2)	33(26,4)	49,6(39,7)	66(52,8)	71,5(57,2)	88(70,4)	110(88)
Prime	kVA(kW)	9,1(7,3)	13,3(10,6)	20,3(16,3)	30(24)	45(36)	60(48)	65(52)	80(64)	100(80)
<b>ENGINE</b>										
Brand		PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Model		403C-11G	403C-15G	404C-22G	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2
Stand-by Power	kW(hp)	9,3(12,6)	13,3(17,8)	20,3(27,2)	30,4(40,8)	45,6(61,2)	60,5(81,1)	64,3(86,2)	79,1(106,1)	98(131,5)
Prime Power	kW(hp)	8,4(11,4)	12(16,1)	18,4(24,6)	27,7(37,1)	41,3(55,4)	55(73,8)	58,7(78,7)	71,9(96,4)	89(119)
No of Cylinders		3	3	4	3	3	3	4	4	4
Air Intake System		Natural	Natural	Natural	Natural	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
Governor		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
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	1,5	2,1	2,9	3,9	5,7	7,3	8	9,7	11,2
Fuel Consumption Full Load	lt/hour	2,6	3,7	5,4	7,1	10,7	14,1	14,8	18,7	22,6
Fuel Tank Capacity	lt	122	122	122	145	145	145	145	258	258
<b>ALTERNATOR</b>										
Brand		LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER
Model		LSA 37 M6	LSA 37 M7	LSA 42,2 S5	LSA 42,2 L9	LSA 43,2 S25	LSA 43,2 M45	LSA 43,2 L65	LSA 43,2 L8	LSA 44,2 VS45
Stand-by Power	kVA(kW)	10(8)	14,5(11,6)	25(19,8)	35(27,8)	52(42)	66(53)	77(62)	88(70)	116(93)
Prime Power	kVA(kW)	9(7,2)	13(10,4)	20(16)	31,5(25,2)	45(36)	60(48)	70(56)	80(64)	105(84)
<b>DIMENSIONS AND WEIGHT</b>										
Width w/o canopy (w/canopy)	mm	900(900)	900(900)	900(900)	900(900)	900(900)	900(900)	900(900)	1100(1100)	1100(1100)
Length w/o canopy (w/canopy)	mm	1450(1850)	1450(1850)	1450(1850)	1800(2300)	1800(2300)	1800(2300)	1800(2300)	2100(2800)	2100(2800)
Height w/o canopy (w/canopy)	mm	1250(1450)	1250(1450)	1250(1450)	1300 (1700)	1300 (1700)	1300 (1700)	1300 (1700)	1350(1800)	1500(1800)
Weight w/o canopy (w/canopy)	kg	450(700)	500(750)	550(800)	650(1030)	800(1200)	800(1200)	870(1280)	980(1415)	1300(1890)

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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