

GPR

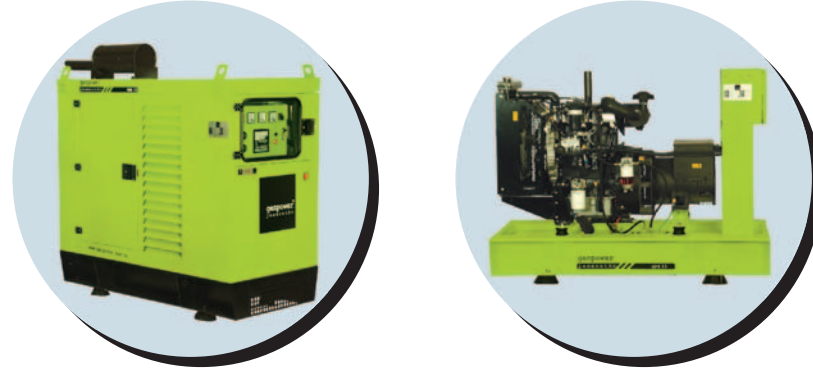
Series
PERKINS
Engine
DIESEL

Optional Properties (based on the requirement) :

- > Thermic magnetic circuit breaker for automatic models
- > Protection canopy
- > Sound proof canopy
- > Trailer mounted genset
- > Automation with PLC
- > Automatic fuel filling system (for models with internal fuel tank)
- > By-pass switch and manual engine protection unit (for only automatic models)
- > Panels for synchronising and parallel running
- > Electronic fuel level indicator with low fuel alarm
- > Power distribution panel
- > Computer controlled, remote control and monitoring system
- > Electronic governor for engines with mechanical governor

Models:

GPR 1385	GPR 1875
GPR 1401	GPR 1930
GPR 1500	GPR 2030
GPR 1656	GPR 2264



Technical Specifications:

Models 1500 rpm - 50 Hz	GPR 1385	GPR 1401	GPR 1500	GPR 1656	GPR 1875	GPR 1930	GPR 2030	GPR 2264
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Group Output

Stand-by	kVA(kW)	1387(1107)	1401(1121)	1500(1200)	1656(1325)	1875(1500)	1928(1542)	2030(1624)	2264(1811)
Prime	kVA(kW)	1255(1004)	1274(1019)	1364(1091)	1505(1204)	1705(1364)	1752(1402)	1844(1475)	2058(1646)

Engine

Brand	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Models	4012 TWG 2	4012 TAG	4012 TAG IA	4012 TAG2A	4012-46 TAG 3A	4016 TAG	4016 TAG IA	4016 TAG2A
Stand-by Power	kW(hp)	1156(1550)	1168(1566)	1250(1676)	1380(1851)	1563(2095)	1607(2154)	1690(2266)
Prime Power	kW(hp)	1046(1402)	1061(1422)	1136(1573)	1254(1682)	1421(1905)	1460(1957)	1537(2061)
No of Cylinders		12	12	12	12	12	16	16
Air Induction System		Turbo Charged	Turbo AAC*	Turbo Charged	Turbo AAC*	Turbo Charged	Turbo Charged	Turbo Charged
Governor		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption at 1/2 Load (lt/hr)		154	127,3	262	143,8	360	363	362
Fuel Consumption at Full Load (lt/hr)		294	257,1	274,5	296,5	358	360	375
Fuel Tank Capacity (lt)		2352	2250 Harici	2196	2500 Harici	2864	2880	3000

Alternator Voltage Regulation: ±% I

Dimensions and Weight

Width w/o canopy (w/canopy)mm	1870(2438)	1900(2200)	2245(2438)	2300(2450)	2200(2438)	2250(2438)	2200(2438)	2800(3200)
Length w/o canopy (w/canopy)mm	4600(9125)	5000(6500)	4800(12192)	5200(6500)	5500(12192)	5500(12192)	5500(12192)	5750(7200)
Height w/o canopy (w/canopy)mm	2210(2591)	2700(3500)	2750(2591)	2900(3000)	2500(2591)	2900(2591)	2900(2591)	3500(4250)
Weight w/o canopy (w/canopy)kg	9900(13200)	8900(10200)	9400(13400)	10000(11400)	11000(15000)	13000(17000)	13000(17000)	13250(15000)



ISO 9001:2000
OHSAS 18001:1999
EN ISO 14001:2004



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

GPR

Series
PERKINS
Engine
DIESEL

genpower®

generator

2.5 kVA | 10 kVA | 2264 kVA

GPR Standart Specifications:

Engine

- > PERKINS Heavy duty diesel engine
- > Revolution: 1500 rpm
- > Water cooled
- > Tropical type radiator

Alternator

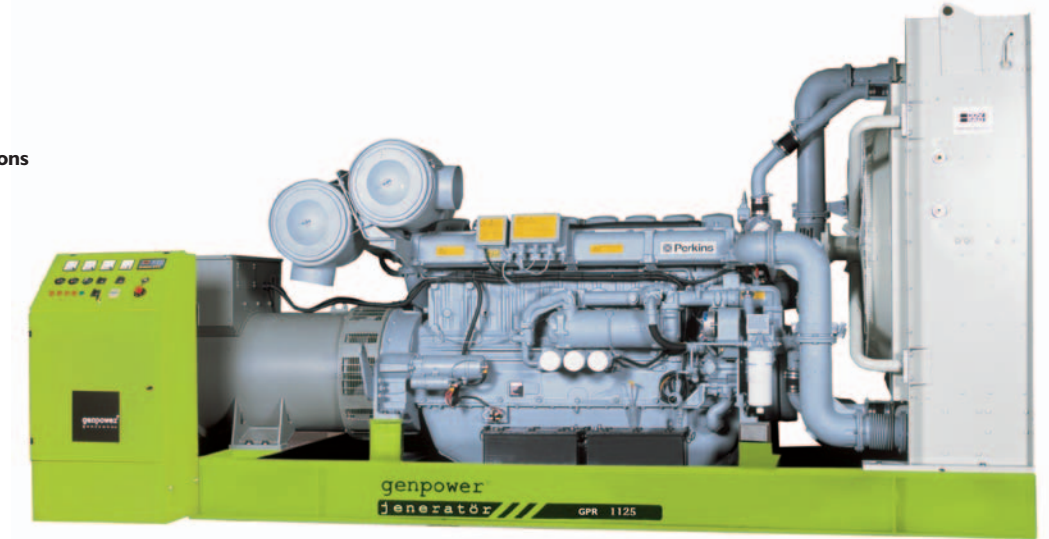
- > VDE 0530 & IEC 34-1 standardizations
- > Synchron type brushless
- > Automatic voltage regulation (AVR)
- > Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- > Short circuit resistance: 300% for 10 seconds
- > Insulation class: H
- > Insulation resistance: 1800V AC
- > Voltage: 231/400 V AC
- > Voltage regulation: ± 1%
- > Protection class: IP23
- > Frequency: 50 Hz

Manual Control Panel

- > Electronic control panel
- > Ammeter
- > Voltmeter
- > Voltage commutator
- > Engine coolant temperature indicator
- > Engine oil pressure indicator
- > Counter for time totalizer
- > Relays
- > Warning lamps and fuses
- > Thermic magnetic switch with 3 pole
- > Emergency stop button

Chassis

- > Mounted on the steel base chassis
- > Elastic vibration dampers between engine and chassis
- > Fuel tank is located in the chassis
- > Dial type mechanical fuel indicator



Automatic Control Panel

- > Electronic control panel
- > Ammeter
- > Voltmeter
- > Voltage commutator
- > Engine coolant temperature indicator
- > Engine oil pressure indicator
- > Counter for time totalizer
- > Relays
- > Warning lamps and fuses
- > Contactors (2 units, with appropriate amper)
- > Battery charger
- > Emergency stop button

Canopy

- > Designed for easy lifting and moving
- > Metal parts are coated with electrostatic poliester powder painted
- > Thermally insulated exhaust system
- > Acoustic insulation with rot-proof, moisture-repellent impregnation and non-flammable material (per DIN 4102 A2)
- > 700 kVA and above



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GPR

Series

PERKINS

Engine

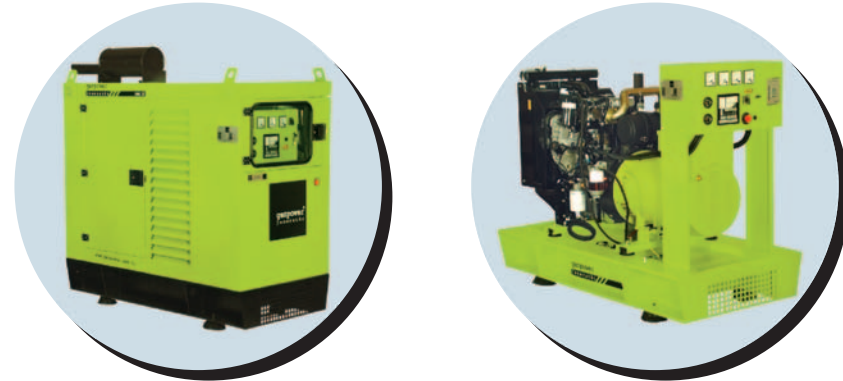
DIESEL

Optional Properties (based on the requirement) :

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- > Sound proof canopy
- > Trailer mounted genset
- > Automation with PLC
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- > By-pass switch and manual engine protection unit (for only automatic models)
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- > Power distribution panel
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- > Electronic governor for engines with mechanical governor

Models:

GPR 10	GPR 88
GPR 15	GPR 110
GPR 23	GPR 150
GPR 33	GPR 207
GPR 50	GPR 229
GPR 66	GPR 250
GPR 71	



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	GPR 150	GPR 207	GPR 229	GPR 250
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Group Output

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)	150(120)	207(166)	229(183)	250(200)
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)	135(108)	189(151)	208(166)	228(182)

Engine

Brand	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	
Models	403C-11G	403C-15G	404C-22G	1103A-33G	1103A-33TG	1103A-33TG2	1104A-44TG	1104A-44TG2	1104C-44TAG2	1006 TAG	1306E87 TAG2	1306C E87 TAG3	1306C E87 TAG4	
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)	133,5(179)	180(243)	199(267)	217(291)
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)	121(162,5)	164(220)	180(243)	198(265)
No of Cylinders		3	3	4	3	3	3	4	4	4	6	6	6	6
Air Induction System		Natural	Natural	Natural	Natural	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*
Governor		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption at 1/2 Load (lt/hr)		1,5	2,1	2,9	3,9	5,7	7,3	8	9,7	11,2	16,5	22,5	24	26,1
Fuel Consumption at Full Load (lt/hr)		2,6	3,7	5,4	7,1	10,7	14,1	14,8	18,7	22,6	31,5	41	45,2	48,5
Fuel Tank Capacity (lt)		122	122	122	145	145	145	145	258	258	501	501	501	501

Alternator Voltage Regulation: ±% I

Dimensions and Weight

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)	1200(1200)	1200(1200)	1200(1200)	1200(1200)
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)	2800(3800)	2600(3600)	2600(3600)	2600(3600)
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)	1600(2150)	1700(2150)	1700(2150)	1700(2150)
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)	1475(2115)	1800(2600)	1850(2630)	1900(2680)

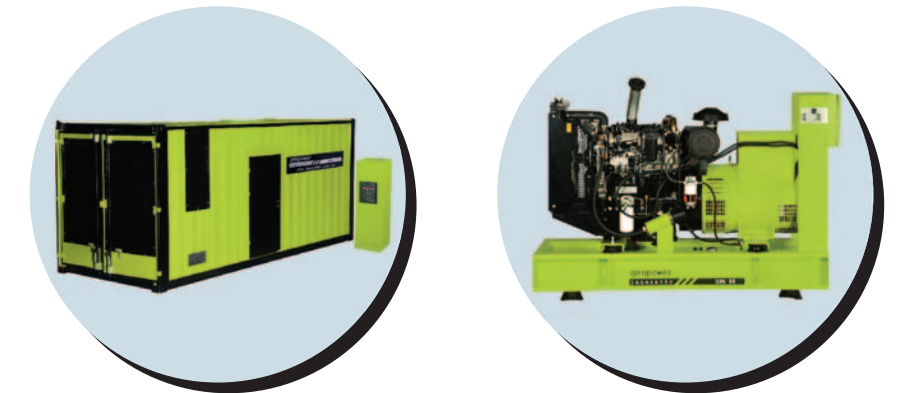
Turbo AAC* : Turbo Charged, air to air after cooled

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Models:

GPR 275	GPR 700
GPR 350	GPR 800
GPR 400	GPR 900
GPR 450	GPR 935
GPR 500	GPR 1000
GPR 550	GPR 1125
GPR 635	



Technical Specifications:

Models 1500 rpm - 50 Hz	GPR 275	GPR 350	GPR 400	GPR 450	GPR 500	GPR 550	GPR 635	GPR 700	GPR 800	GPR 900	GPR 935	GPR 1000	GPR 1125
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Group Output

Stand-by	kVA(kW)	275(220)	350(280)	400(320)	450(360)	500(400)	553(443)	635(508)	700(560)	800(640)	900(720)	935(748)	996(797)	1125(900)
Prime	kVA(kW)	250(200)	300(240)	350(280)	400(320)	453(363)	500(400)	550(440)	635(508)	730(584)	800(640)	849(679)	905(724)	1022(818)

Engine

Brand	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Models	1306C E87 TAG6	2306C E14 TAG1A	2306C E14 TAG2	2306C E14 TAG3	28063CE16 TAG1	2806C E16 TAG2	2806C E18 TAG1	2806C E18 TAG2	4006 23 TAG2A	4006 23 TAG3A	4008 TAG	4008 TAG 1A	4008 TAG2A	
Stand-by Power	kW(hp)	239(320)	304(408)	344(461)	387(519)	433(581)	471(632)	553(742)	599(803)	685(918)	760(1019)	787(1055)	839(1125)	947(1270)
Prime Power	kW(hp)	218(291)	261(350)	304(408)	344(461)	390(523)	433(581)	475(637)	542(727)	620(831)	679(910)	704(944)	762(1022)	861(1155)
No of Cylinders		6	6	6	6	6	6	6	6	6	6	8	8	8
Air Induction System		Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo Charged	Turbo Charged	Turbo AAC*
Governor		Electronic	Electronic	Electronic	Electronic	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	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption at 1/2 Load (lt/hr)		28,7	31,5	38	42,3	49,4	54,2	56	63	75	86	169	187	103,8
Fuel Consumption at Full Load (lt/hr)		55	62,4	70,6	81,1	95	104,9	108	125	149	164	173	190,5	221
Fuel Tank Capacity (lt)		501	664	664	664	918	918	918	918	1250 Harici	1500 Harici	1384	1524	2000 Harici

Alternator Voltage Regulation: ±% I

Dimensions and Weight

Width w/o canopy (w/canopy)mm	1200(1200)	1500(1500)	1500(1500)	1500(1500)	1500(1500)	1500(1500)	1500(1500)	1500(2000)	2000(2200)	2000(2200)	1630(2438)	1630(2438)	1900(2200)
Length w/o canopy (w/canopy)mm	2600(3600)	3100(4200)	3100(4200)	3100(4200)	3500(4600)	3500(4600)	3500(4600)	3500(4500)	4000(5000)	4000(5000)	4600(6058)	4500(6058)	4800(6300)
Height w/o canopy (w/canopy)mm	1700(2150)	2000(2350)	2000(2350)	2000(2350)	2000(2700)	2000(2700)	2250(2700)	2250(2700)	2100(2850)	2100(2850)	2200(2591)	2400(2591)	2500(3400)
Weight w/o canopy (w/canopy)kg	1985(2765)	3100(3600)	3186(3636)	3186(3636)	3350(4200)	3500(4560)	3800(4900)	3900(5110)	4800(5800)	5000(6000)	7250(9750)	7300(9800)	7500(9000)

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