

GB Series

GBW 15-45



The GBW Series offers reliable and powerful machines designed for professional use to support electricity mains failure or serve isolated locations. Easy to transport, install and store thanks to their compact dimensions, these generators are ideal for home stand-by, construction sites, mobile workshops and small industrial applications. Available both in open and soundproof version.



OPEN



Easy oil draining (oil drain cap)



Industrial silencer delivered loose



Moving and rotating parts protections against accidental contacts

GBW 15-45



CANOPY



Integrated central lifting point



Easy fuel refilling through external tap

GBW 15-22



Canopy noise attenuation with polyurethane foam



CANOPY



Single detachable lifting eye



Base frame with integrated feet

GBW 30-45



Visual fuel level indicator located in the base frame



GBW 10 - 25 DIESEL

GENERATING SET		GBW10Y		GBW10P		GBW15P		GBW15Y		GBW25Y		GBW25P	
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY													
STAND BY POWER LTP		8,9	11,2	9,5	11,9	13,5	16,9	13,9	17,3	18,7	23,4	20,7	25,8
PRIME POWER PRP		8,2	10,2	8,6	10,8	12,2	15,3	12,8	16,0	17,7	22,2	18,7	23,4
POWER SPECIFICATIONS													
VOLTAGE	Volt	480 / 277		480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY	Hz	60		60		60		60		60		60	
POWER FACTOR	cos	0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE													
BRAND		Yanmar		Perkins		Perkins		Yanmar		Yanmar		Perkins	
MODEL		3TNV76-GPGE		403D-11G		403D-15G		3TNV88-BGPGE		4TNV88-BGPGE		404D-22G	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	1116		1131		1496		1642		2190		2216	
SPEED	rpm	1800		1800		1800		1800		1800		1800	
CYLINDER		3 in line		3 in line		3 in line		3 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Natural		Natural		Natural	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim	
STAND BY POWER LTP	kW	11,1		11,8		16,2		16,9		22,5		24,3	
PRIME POWER PRP	kW	10,2		10,7		14,7		16,1		21,4		22,0	
ALTERNATOR													
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Compound		Compound		Compound		Compound		Compound		Compound	
ALTERNATOR PROTECTION	IP	21		21		21		21		21		21	
CONSUMPTION													
FUEL CONSUMPTION at 75% of load	L/h	2,43		2,47		3,27		3,52		4,85		4,73	
FUEL CONSUMPTION at 100% of load	L/h	3,22		3,16		4,32		4,66		6,40		6,10	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT													
LENGTH	mm	1600	1645	1600	1645	1600	1645	1600	1640	1600	1640	1600	1645
WIDTH	mm	870	870	870	870	855	870	870	900	870	900	870	870
HEIGHT	mm	875	1072	875	1072	1000	1060	950	1075	1000	1075	1000	1060
WEIGHT (DRY)	kg	250	460	385	460	437	545	400	470	536	506	465	555
FUEL TANK MATERIAL		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
FUEL TANK CAPACITY	L	51	51	51	51	51	51	51	51	51	51	51	51
RUNNING TIME at 75% of load	h	20,99	20,99	20,65	20,65	15,60	15,60	14,49	14,49	10,52	10,52	10,78	10,78
CONTROL PANEL AVAILABLE													
MANUAL CONTROL PANEL	MCP	③		③		③		③		③		③	
AUTOMATIC CONTROL PANEL	ACP	④		④		④		④		④		④	

● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 48 - * = Other configurations and detailed specifications are available on www.pramac.com - * Open version only for stationary applications

GBW 30 - 45 DIESEL


GENERATING SET		GBW30P		GBW35Y		GBW45Y		GBW45P	
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY									
STAND BY POWER LTP		30,7	38,4	30,7	38,4	45,1	56,4	45,6	57,0
PRIME POWER PRP		28,9	36,1	29,3	36,6	42,8	53,6	43,2	54,0
POWER SPECIFICATIONS									
VOLTAGE	Volt	480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY	Hz	60		60		60		60	
POWER FACTOR	cos	0,8		0,8		0,8		0,8	
ENGINE									
BRAND		Perkins		Yanmar		Yanmar		Perkins	
MODEL		1103A-33G		4TNV98-EPA-ZGPGE		4TNV98T-GPGE		1103A-33TG1	
FUEL		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	3300		3319		3319		3300	
SPEED	rpm	1800		1800		1800		1800	
CYLINDER		3 in line		4 in line		4 in line		3 in line	
COOLING SYSTEM		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Tier 4 Interim		Non Emission Certified		Non Emission Certified	
STAND BY POWER LTP	kW	36,5		46,9		50,6		55,6	
PRIME POWER PRP	kW	33,2		42,2		48,1		50,5	
ALTERNATOR									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	23		23		21		21	
CONSUMPTION									
FUEL CONSUMPTION at 75% of load	L/h	6,63		6,91		9,89		9,79	
FUEL CONSUMPTION at 100% of load	L/h	8,60		9,22		13,23		12,70	
VERSION		OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
DIMENSION AND WEIGHT									
LENGTH	mm	2000	2000	2000	2000	2000	2000	2000	2000
WIDTH	mm	920	920	920	920	920	920	920	920
HEIGHT	mm	1100	1100	1100	1100	1100	1100	1100	1100
WEIGHT (DRY)	kg	700	560	580	580	580	580	785	785
FUEL TANK MATERIAL		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
FUEL TANK CAPACITY	L	51	51	51	51	51	51	51	51
RUNNING TIME at 75% of load	h	7,69	7,38	5,16	5,16	5,16	5,16	5,21	5,21
CONTROL PANEL AVAILABLE									
MANUAL CONTROL PANEL	MCP	③		③		③		③	
AUTOMATIC CONTROL PANEL	ACP	④		④		④		④	

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ELECTRICAL EQUIPMENT

GB SERIES

CONTROL PANELS Type	MCP ③ Manual Control Panel	ACP ④ Automatic Control Panel
Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.		
OPERATIONAL TYPES		
MANUAL START/STOP	√	√
AUTOMATIC MAIN FAILURE		√ (with LTS)
AUTOMATIC START/STOP (remote)		√
COMMAND		
Operation modes	OFF Manual starting	OFF Manual starting Automatic starting Automatic test
Emergency stop button	√	√
Circuit breaker	√	√
INSTRUMENTATIONS		
Type	Analogue	Digital control unit
Genset voltage	1 phase sensing	3 phases sensing
Genset current intensity	-	1 phase sensing
Frequency meter	-	√
Hour meter	√	√
Oil pressure	-	√
Engine temperature	-	√
Generating set Power	-	kVA - kW - kVA _r - Cos φ
Battery voltage	-	√
Mains voltage	-	√
Engine speed r.p.m.	-	√
PROTECTIONS		
Low oil pressure	√	√
High engine temperature	√	√
Battery charger failure	√	√
Earth Fault	√	√
Circuit breaker protection	III Poles	III Poles
Under/Over Voltage	-	√
Under/Over Frequency	-	√
Reverse power	-	√
OUTPUT**		
Terminals connection for LTS panel	-	√
Predisposed for remote control RCG	-	S
Predisposed for remote start	-	√
RS232 Communication port	-	S
OPTIONALS **		
RCG - Remote controls	-	S
PHS - Coolant Pre-Heating System	-	S
LTS - Load Transfer Switch	-	0

√ = standard - 0 = Accessory available - S = Supplement (version available when ordered) - - = Not available - **= Other configurations and detailed specifications are available on www.pramac.com

OPTIONALS

GB SERIES

SUPPLEMENTS AND ACCESSORIES **

PHS - COOLANT PREHEATING SYSTEM

To maintain the engine at a temperature that ensures a quick start when required



RES - RESIDENTIAL SILENCER

To reduce exhaust noise emissions for open generators



RCG - REMOTE CONTROL

Large list of additional modules/devices for remote operation and control of the generating set



TRAILERS

Designed for transporting our generator sets with maximum safety.

Available in two different types both for road and site applications, according to customer needs



LTS - LOAD TRANSFER SWITCH PANEL

To transfer the load from the mains to the generator and vice versa



FEC - FLEXIBLE EXHAUST COMPENSATOR

Damp down vibrations from engine to exhaust piping



**= Other configurations and detailed specifications are available on www.pramac.com