

GX Series



GXW 18-45

The GXW Series offers generators both for on-grid and off-grid applications. With a simple design and a standard equipment, these generators are the right choice for those customers wanting a professional product easy to use especially for starting operation tasks. Available both in open and soundproof version with automatic control panel.



OPEN



Easy oil draining (oil drain cap)



Industrial silencer delivered loose



Moving and rotating parts protections against accidental contacts



GXW 18-45

CANOPY



Visual fuel level indicator



Canopy noise attenuation with polyurethane foam



Easy fuel refilling through external cap



GXW 18-25

CANOPY



Single detachable lifting eye



Base frame with integrated feet



Visual fuel level indicator located in the base frame



GXW 35-45

GXW 18 - 45 DIESEL

| GENERATING SET | GXW18W | | GXW25W | | GXW35W | | GXW45W | |
|----------------------------------|------------------------|------|------------|------|------------|------|------------|------|
| | THREE PHASE 480/277V** | | | | | | | |
| THREE PHASE | kW | kVA | kW | kVA | kW | kVA | kW | kVA |
| POWER SUPPLY | | | | | | | | |
| STAND BY POWER LTP | 18,6 | 23,2 | 23,3 | 29,1 | 32,0 | 40,0 | 41,8 | 52,2 |
| PRIME POWER PRP | 16,9 | 21,1 | 21,1 | 26,4 | 31,0 | 38,8 | 37,8 | 47,3 |
| POWER SPECIFICATIONS | | | | | | | | |
| VOLTAGE | 480 / 277 | | 480 / 277 | | 480 / 277 | | 480 / 277 | |
| FREQUENCY | 60 | | 60 | | 60 | | 60 | |
| POWER FACTOR | 0,8 | | 0,8 | | 0,8 | | 0,8 | |
| ENGINE | | | | | | | | |
| BRAND | Weichai | | Weichai | | Weichai | | Weichai | |
| MODEL | WP2.1D21E2 | | WP2.5D26E2 | | WP3.9D40E2 | | WP4.3D45E2 | |
| FUEL | Diesel | | Diesel | | Diesel | | Diesel | |
| DISPLACEMENT | 2088 | | 2540 | | 3860 | | 4330 | |
| SPEED | 1800 | | 1800 | | 1800 | | 1800 | |
| CYLINDER | 4 in line | | 4 in line | | 4 in line | | 4 in line | |
| COOLING SYSTEM | Water | | Water | | Water | | Water | |
| STARTING SYSTEM | Electric | | Electric | | Electric | | Electric | |
| ELECTRIC CIRCUIT | 12 | | 12 | | 12 | | 12 | |
| ASPIRATION | Natural | | Natural | | Natural | | Natural | |
| SPEED GOVERNOR | Mechanical | | Mechanical | | Mechanical | | Mechanical | |
| EMISSION STAGE COMPLIANCE EPA | Tier 2 | | Tier 2 | | Tier 2 | | Tier 2 | |
| STAND BY POWER LTP | 22,1 | | 27,7 | | 42,7 | | 47,7 | |
| PRIME POWER PRP | 20,1 | | 25,1 | | 38,7 | | 43,2 | |
| ALTERNATOR | | | | | | | | |
| TYPE | Brushless | | Brushless | | Brushless | | Brushless | |
| POLES | 4 | | 4 | | 4 | | 4 | |
| VOLTAGE REGULATION SYSTEM | Electronic | | Electronic | | Electronic | | Electronic | |
| ALTERNATOR PROTECTION | IP 21 | | IP 21 | | IP 21 | | IP 21 | |
| CONSUMPTION | | | | | | | | |
| FUEL CONSUMPTION at 75% of load | 4,21 | | 5,26 | | 7,49 | | 9,07 | |
| FUEL CONSUMPTION at 100% of load | 5,62 | | 7,02 | | 9,98 | | 12,09 | |
| VERSION | OPEN | | CANOPY | | OPEN | | CANOPY | |
| DIMENSION AND WEIGHT | | | | | | | | |
| LENGTH | 1750 | | 1650 | | 2100 | | 2200 | |
| WIDTH | 900 | | 1000 | | 930 | | 1030 | |
| HEIGHT | 1100 | | 1130 | | 1130 | | 1320 | |
| WEIGHT (DRY) | 405 | | 510 | | 690 | | 910 | |
| FUEL TANK MATERIAL | Plastic | | Plastic | | Plastic | | Plastic | |
| FUEL TANK CAPACITY | 51 | | 51 | | 51 | | 51 | |
| RUNNING TIME at 75% of load | 12,11 | | 9,70 | | 6,81 | | 5,62 | |
| CONTROL PANEL AVAILABLE | | | | | | | | |
| AUTOMATIC CONTROL PANEL | ACP | | ACP | | ACP | | ACP | |
| | ④ | | ⑤ | | ④ | | ⑤ | |

THREE PHASE

④ = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 41 - ** = Other configurations and detailed specifications are available on www.pramac.com

ELECTRICAL EQUIPMENT

GXW SERIES 18-45

| CONTROL PANELS Type | ACP ④ Automatic Control Panel | ACP ⑤ 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 | √ | √ |
| AUTOMATIC START/STOP (remote) | √ | √ |
| COMMAND | | |
| OPERATION MODES | OFF Manual starting Automatic starting Automatic test | OFF Manual starting Automatic starting Automatic test |
| EMERGENCY STOP BUTTON | √ | √ |
| CIRCUIT BREAKER | √ | √ |
| INSTRUMENTATIONS | | |
| TYPE | Digital control unit | Digital control unit |
| GENSET VOLTAGE | 3 phases sensing | 3 phases sensing |
| GENSET CURRENT INTENSITY | 1 phase sensing | 1 phase sensing |
| FREQUENCY METER | √ | √ |
| HOUR METER | √ | √ |
| OIL PRESSURE | √ | √ |
| ENGINE TEMPERATURE | √ | √ |
| GENERATING SET POWER | kVA - kW - kVA _r - Cos φ | 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 | S |
| PREDISPOSED FOR REMOTE START | √ | √ |
| RS232 COMMUNICATION PORT | S | S |
| OPTIONALS ** | | |
| RCG - REMOTE CONTROLS | S | S |
| PHS - COOLANT PRE-HEATING SYSTEM | S | S |
| LTS - LOAD TRANSFER SWITCH | 0 | 0 |

√ = Standard - 0 = Accessory available - S = Supplement (version available when ordered) - ** = Other configurations and detailed specifications are available on www.pramac.com

OPTIONALS

GXW SERIES 18-45

SUPPLEMENTS AND ACCESSORIES **

PHS - COOLANT PREHEATING SYSTEM

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



LTS - LOAD TRANSFER SWITCH PANEL

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

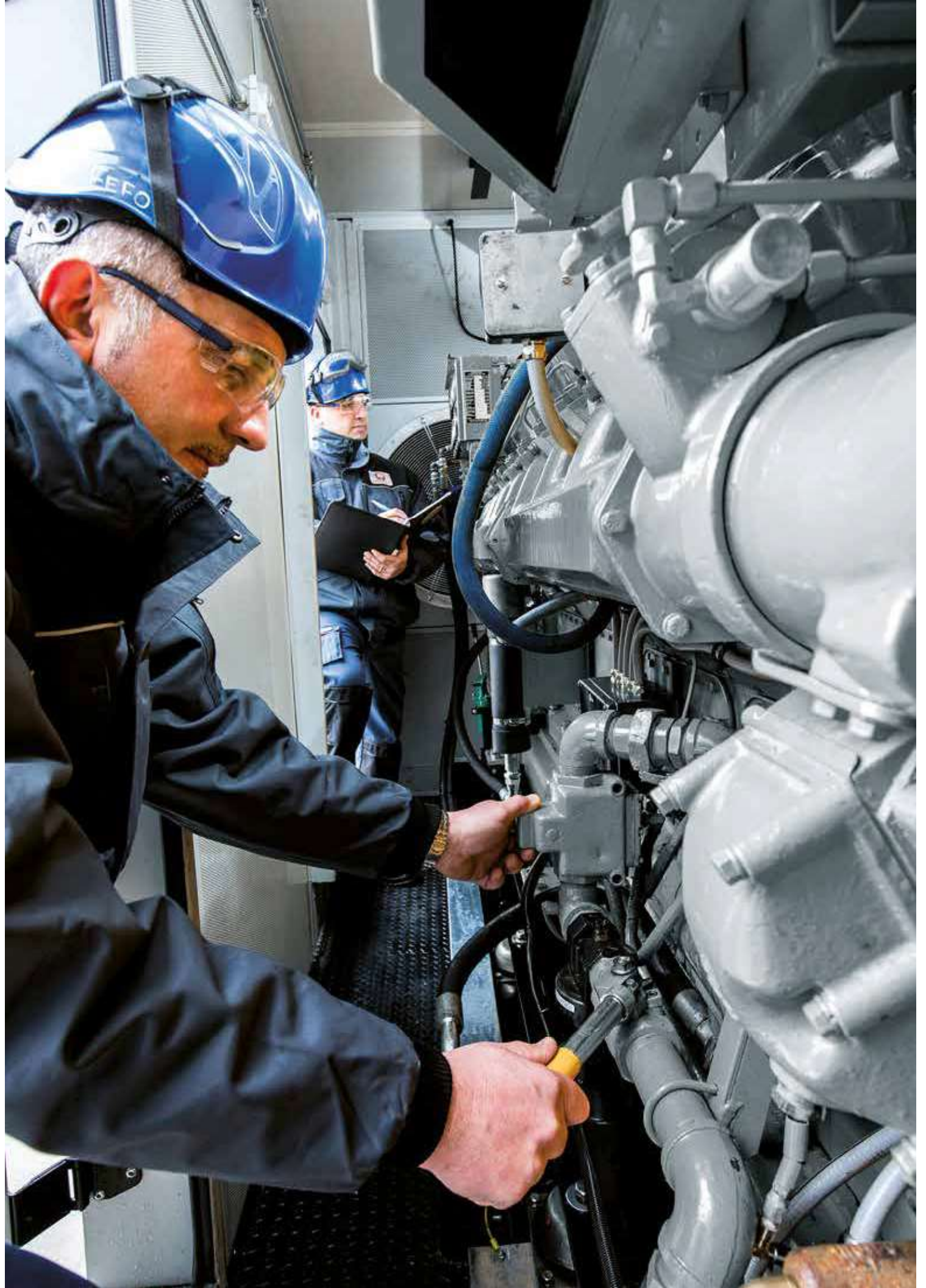


RCG - REMOTE CONTROL

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



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



GB Series



GBW 10-45



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.

OPEN



Easy oil draining (oil drain cap)



Industrial silencer delivered loose



Moving and rotating parts protections against accidental contacts



GBW 10-45

CANOPY



Integrated central lifting point



Easy fuel refilling through external tap



Canopy noise attenuation with polyurethane foam



GBW 10-25

GBW 10 - 25 DIESEL

| GENERATING SET | | GBW10Y | GBW10P | GBW15P | GBW15Y | GBW25Y | GBW25P | | | | | | |
|----------------------------------|-------|------------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| POWER SUPPLY | | THREE PHASE 480/277V** | | | | | | | | | | | |
| THREE PHASE | | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | | |
| 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 Φ | 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 EPA | | 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 | | With brushes | | With brushes | | With brushes | | With brushes | | With brushes | | With brushes | |
| 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 | |

③ = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 48 - ** = Other configurations and detailed specifications are available on www.pramac.com

GBW 30 - 45 DIESEL

| GENERATING SET | GBW30P | GBW35Y | GBW45Y | GBW45P | | | | |
|----------------------------------|------------------------|--------|-------------|--------|--------------|------|------------------------|------|
| | THREE PHASE 480/277V** | | | | | | | |
| 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 | 480 / 277 | | 480 / 277 | | 480 / 277 | | 480 / 277 | |
| FREQUENCY | 60 | | 60 | | 60 | | 60 | |
| POWER FACTOR | 0,8 | | 0,8 | | 0,8 | | 0,8 | |
| ENGINE | | | | | | | | |
| BRAND | Perkins | | Yanmar | | Yanmar | | Perkins | |
| MODEL | 1103A-33G | | 4TNV98-GPGE | | 4TNV98T-GPGE | | 1103A-33TG1 | |
| FUEL | Diesel | | Diesel | | Diesel | | Diesel | |
| DISPLACEMENT | 3300 cc | | 3319 | | 3319 | | 3300 | |
| SPEED | 1800 rpm | | 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 | 12 Volt | | 12 | | 12 | | 12 | |
| ASPIRATION | Natural | | Natural | | Turbocharged | | Turbocharged | |
| SPEED GOVERNOR | Mechanical | | Mechanical | | Mechanical | | Mechanical | |
| EMISSION STAGE COMPLIANCE EPA | Non Emission Certified | | Tier 2 | | Tier 2 | | Non Emission Certified | |
| STAND BY POWER LTP | 36,5 kW | | 46,9 | | 50,6 | | 55,6 | |
| PRIME POWER PRP | 33,2 kW | | 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 | | 21 | | 21 | |
| CONSUMPTION | | | | | | | | |
| FUEL CONSUMPTION at 75% of load | 6,63 L/h | | 6,91 | | 9,89 | | 9,79 | |
| FUEL CONSUMPTION at 100% of load | 8,60 L/h | | 9,22 | | 13,23 | | 12,70 | |
| VERSION | OPEN | | OPEN | | OPEN | | OPEN | |
| DIMENSION AND WEIGHT | | | | | | | | |
| LENGTH | 2000 mm | | 2000 | | 2000 | | 2000 | |
| WIDTH | 920 mm | | 920 | | 920 | | 920 | |
| HEIGHT | 1100 mm | | 1100 | | 1100 | | 1100 | |
| WEIGHT (DRY) | 700 kg | | 560 | | 580 | | 785 | |
| FUEL TANK MATERIAL | Plastic | | Plastic | | Plastic | | Plastic | |
| FUEL TANK CAPACITY | 51 L | | 51 | | 51 | | 51 | |
| RUNNING TIME at 75% of load | 7,69 h | | 7,38 | | 5,16 | | 5,21 | |
| CONTROL PANEL AVAILABLE | | | | | | | | |
| MANUAL CONTROL PANEL | MCP | | 3 | | 3 | | 3 | |
| AUTOMATIC CONTROL PANEL | ACP | | 4 | | 4 | | 4 | |



THREE PHASE

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



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 - kVAR - 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 | - | O |

√ = standard - O = 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



TRAILERS

Designed to transporting our generator sets with maximum safety. Available in two different types both for road and site applications, according to customer needs



RES - RESIDENTIAL SILENCER

To reduce exhaust noise emissions for open generators



LTS - LOAD TRANSFER SWITCH PANEL

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



RCG - REMOTE CONTROL

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



FEC - FLEXIBLE EXHAUST COMPENSATOR

Damp down vibrations from engine to exhaust piping



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