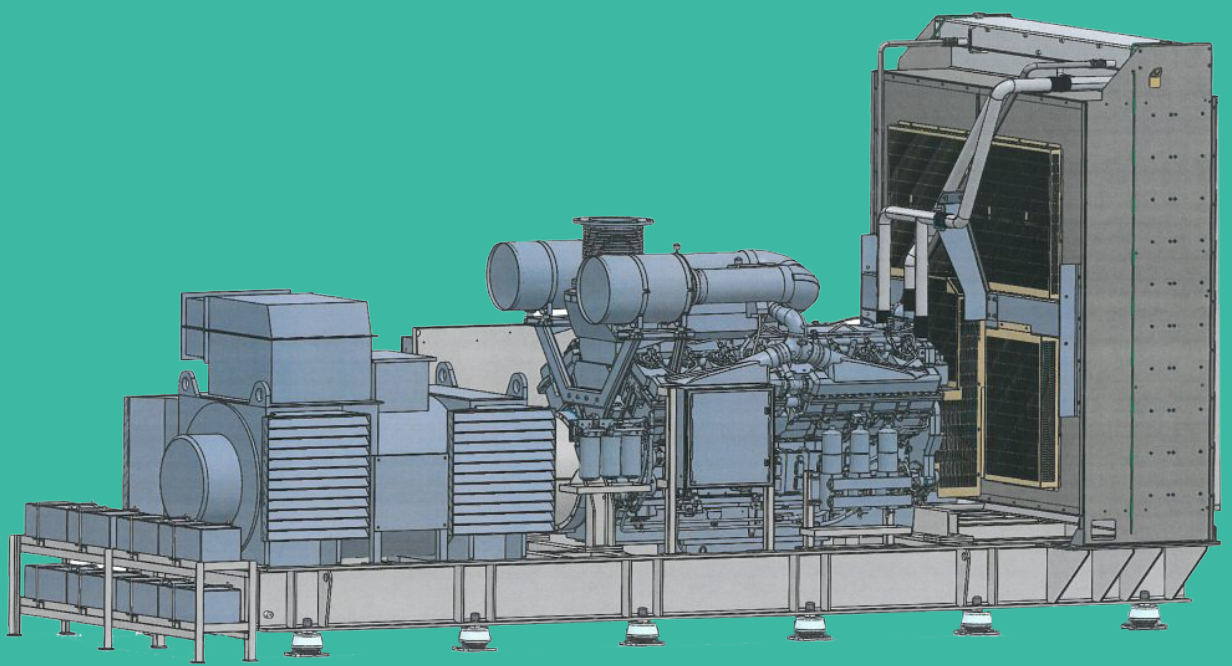
Heathrow Airport, Terminal 5
G&M Tex supplies generators
to UK's major airports

CAIGATETEX
ENERGY SOLUTIONS

# 50Hz



## 50Hz - Generator Sets

# Meeting your emergency, standby, prime and continuous power generation needs with superior quality generator sets and complete power systems.

**G&M TEX** is a **leading global manufacturer** of high quality generator sets and a provider of complete power generation systems.

We have **over 80 years experience** in power generation. We are trusted to deliver a wide range of standard and bespoke systems – from diesel generators to Uninterruptible Power Supplies (UPS) – plus turnkey power supply solutions, worldwide.

**G&M TEX** was one of the first power generation companies to be approved to **ISO 9001 standards** and quality drives every aspect of our business.

Our superior designs use **high quality components** throughout; not just in the generator sets but also the baseframes, canopies, containers and control panels.

Our full product range of single units extends from 6kVA to 3.3MVA. all units can be combined to meet the requirements of larger projects for a broad range of applications delivering standby, prime or continuous power.

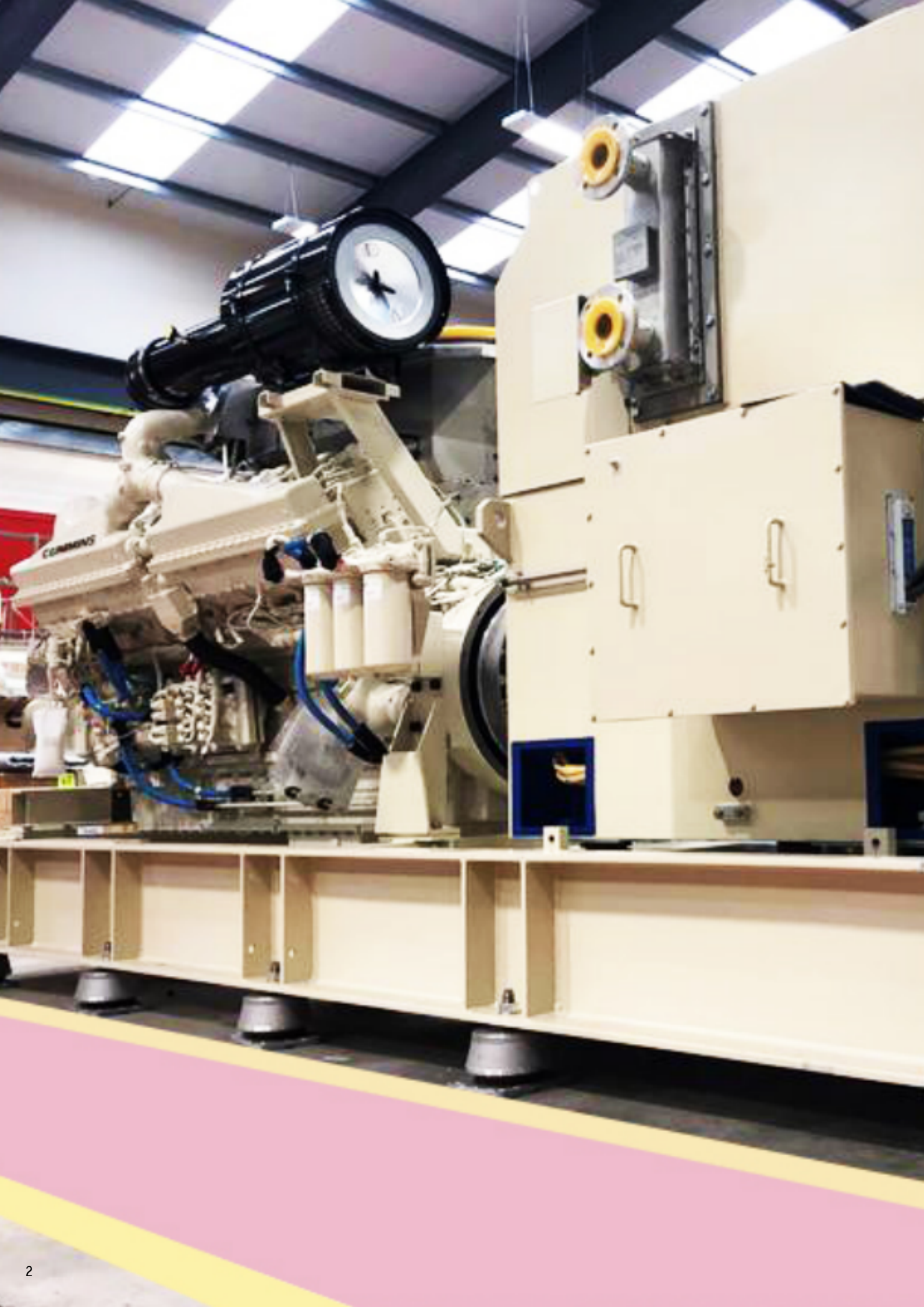
We will work with you to implement any **product modifications** that you may need specifically or your project.

Our generator set range includes:

- **Diesel and gas powered**
- **Trailer mounted, diesel powered**
- **Gas and co-generation**
- **Oil and gas**
- **Marine**
- **Medium speed**
- **Gas turbines**
- **Bespoke**
- **Rental**

We also provide a wide range of static and rotary Uninterruptible Power Supply (UPS) systems.

# contents



# 50Hz diesel generator sets

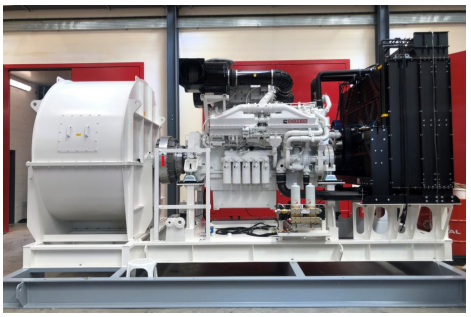
superior quality generator sets from 6kVA to 3350kVA powered by engines from world-renowned manufacturers.

**This brochure provides the main specifications and options available for models in our 50Hz diesel product ranges.**

More information on our comprehensive product range plus technical updates can be found on our website **www.gmtex.co.uk**

## BESPOKE SOLUTIONS

We offer a very wide range of high quality standard generator sets and we also offer a bespoke service to help tailor generator sets to suit your specific needs. Contact our sales department or local regional sales office.



## OPTIONS

All the necessary mechanical and electrical options are available for every range.

## ACOUSTIC PACKAGES

We develop and supply canopies, weatherproof enclosures and container packages for outdoor all-weather use in the harshest of environments with acoustic performance to meet the most stringent specification.


## CONTROL PANELS

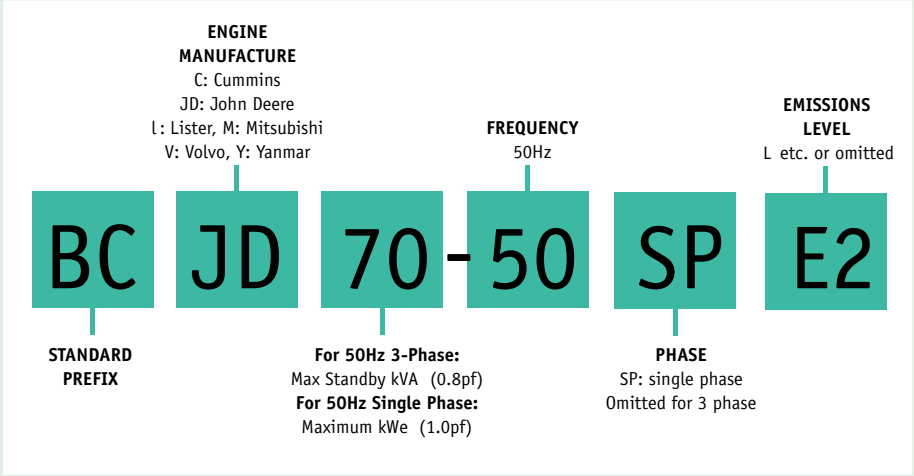
All generator sets are supplied with a comprehensive digital control panel offering a user-friendly interface as standard. Further options are available providing even greater control system flexibility.

# Generator set designations and definition of ratings

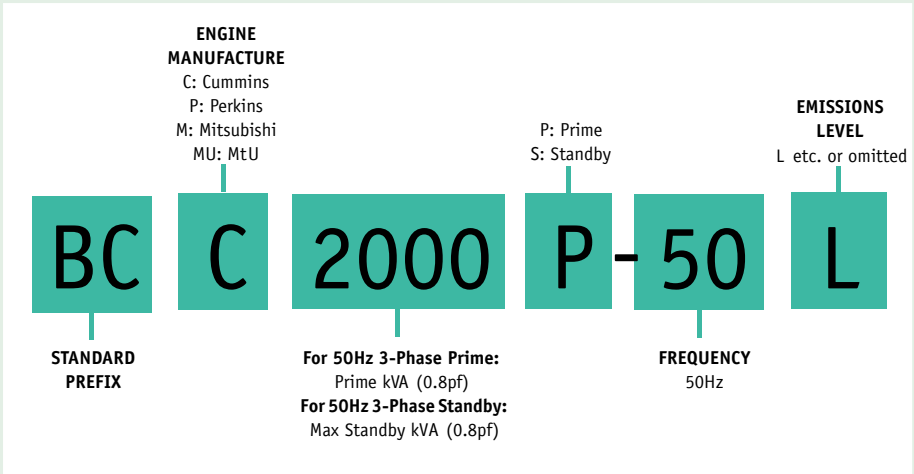
All generator model designations begin with the prefix **BC**.
the following letter(s) are used to indicate the manufacturer of the engine on which the generator is based.
For example—

| | |
|---|---|
| Cummins: | **BCC** |
| John Deere: | **BCJD** |
| Lister: | **BCL** |
| Mitsubishi: | **BCM** |
| MTU: | **BCMU** |
| Perkins: | **BCP** |
| Volvo: | **BCV** |
| Yanmar: | **BCY** |

**For the Midi, John Deere, Cummins and Volvo Ranges:**
The next part of the designation is a number which represents the rating of the generator followed by a frequency & phase indicator thus—
50Hz 3-Phase:
**[max standby rating in kVA] -50**
50Hz single Phase:
**[maximum rating in kWe] -50SP**




**Summary for the Midi, Cummins, John Deere and Volvo Ranges**




**Summary for the Cummins, Mitsubishi, MTU and Perkins Ranges**

**For the Cummins, Mitsubishi, MTU and Perkins Ranges:**
The next part of the designation is a number which represents the rating of the generator followed by the 'P' or 'S' indicator, followed by a frequency indicator thus—
50Hz 3-Phase Prime:
**[prime rating in kVA] P-50**
50Hz 3-Phase standby:
**[max standby rating in kVA] S-50**

The final part of the designation indicates the appropriate level of emissions certification, if applicable.
For example—
50Hz, compliant with T.A. Luft: **L**
50Hz, compliant with Euro Stage 2: **E2**
50Hz, compliant with Euro Stage 3: **E3A**

A Euro Stage 2 certified engine is required for mobile applications within the EU. Please contact G&M TEX sales Department for further information.

# 6kVA to 32.5kVA generator sets

## MIDI RANGE 50Hz EMISSION COMPLIANT & NON-COMPLIANT

### 3 PHASE 380/220 – 415/240V

| | | Prime Rating (PRP) | | Standby Rating (ESP) | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Engine Manufacturer | Genset Model | kVA | kWe | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel tank Capacity (litres) | Enclosure Type |
| **John Deere** | **BCJD 21-50** | 20 | 16 | 21 | 16.8 | 4024 TF220 | 4 in line | 2.4 | 4.7 | PI 144 D | 1640 x 670 x 1335 | 715 | 85 | M 2 |
| | **BCJD 32-50** | 30 | 24 | 32 | 25.6 | 4024 TF220 | 4 in line | 2.4 | 7.4 | PI 144 G | 1640 x 670 x 1335 | 715 | 85 | M 2 |
| **Lister** | **BCL 8-50** | 7.5 | 6.4 | — | — | LPW 2-27 | 2 in line | 0.9 | 1.6 | PI 044 D | 1310 x 540 x 1290 | 400 | 55 | M 1 |
| | **BCL 13-50** | 12.5 | 10 | — | — | LPW 3-27 | 3 in line | 1.4 | 2.8 | PI 044 F | 1310 x 540 x 1290 | 480 | 55 | M 1 |
| | **BCL 16-50** | 16 | 12.8 | — | — | LPW 4-27 | 4 in line | 1.9 | 3.8 | PI 044 H | 1310 x 540 x 1290 | 560 | 55 | M 1 |
| **Mitsubishi** | **BCM 11-50 E2** | 10 | 8 | 10.8 | 8.6 | S3L2-61SD | 3 in line | 1.3 | 3.1 | PI 044 E | 1300 x 520 x 1240 | 625 | 55 | M 1 |
| | **BCM 16-50 E2** | 14 | 11.2 | 15.5 | 12.4 | S4L2-61SD | 4 in line | 1.8 | 4.3 | PI 044 G | 1300 x 520 x 1240 | 650 | 55 | M 1 |
| | **BCM 22-50 E2** | 20 | 16 | 22 | 17.6 | S4Q2-Z261SD | 4 in line | 2.5 | 6.4 | PI 144 D | 1650 x 650 x 1170 | 700 | 55 | M 1 |
| | **BCM 33-50 E2** | 30 | 24 | 32.5 | 26 | S4S-Z263SD | 4 in line | 3.3 | 8.4 | PI 144 G | 1650 x 650 x 1240 | 925 | 85 | M 2 |
| **Yanmar** | **BCY 9-50 E2** | 9 | 7.2 | — | — | 3TNV 76 | 3 in line | 1.1 | 2.9 | PI 044 E | 1380 x 610 x 1300 | 690 | 55 | M 1 |
| | **BCY 14-50 E2** | 14 | 11.2 | — | — | 3TNV 88 | 3 in line | 1.6 | 3.6 | PI 044 G | 1380 x 610 x 1300 | 695 | 55 | M 1 |
| | **BCY 19-50 E2** | 19 | 15.2 | — | — | 4TNV 88 | 4 in line | 2.9 | 4.9 | PI 144 D | 1380 x 610 x 1300 | 703 | 55 | M 1 |
| **Cummins** | **BCC 11-50** | 10 | 8 | 11 | 8.8 | X1.3-G2 | 2 in line | 1.3 | 3.0 | PI 044 E | 1300 x 520 x 1240 | 625 | 55 | M 1 |
| | **BCC 28-50** | 25 | 20 | 27.5 | 22 | X2.5-G2 | 3 in line | 2.5 | 6.0 | PI 144 E | 1650 x 650 x 1170 | 700 | 85 | M 2 |

### SINGLE PHASE 220 – 240V

| | | Prime Rating (PRP) | Standby Rating (ESP) | Engine Specifications | | | | Open Set Version | | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Engine Manufacturer | Genset Model | kVA (kWe) | kVA (kWe) | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **John Deere** | **BCJD 16-50SP** | 16 | — | 4024 TF220 | 4 in line | 2.4 | 5.5 | PI 144 D | 1640 x 670 x 1335 | 715 | 85 | M 2 |
| | **BCJD 24-50SP** | 24 | — | 4024 TF220 | 4 in line | 2.4 | 7.4 | PI 144 G | 1640 x 670 x 1335 | 715 | 85 | M 2 |
| **Lister** | **BCL 6-50SP** | 6 | — | LPW 2-27 | 2 in line | 0.93 | 1.6 | PI 044 D | 1310 x 540 x 1290 | 400 | 55 | M 1 |
| | **BCL 10-50SP** | 10 | — | LPW 3-27 | 3 in line | 1.395 | 2.8 | PI 044 F | 1310 x 540 x 1290 | 480 | 55 | M 1 |
| | **BCL 12-50SP** | 12.4 | — | LPW 4-27 | 4 in line | 1.86 | 3.8 | PI 044 H | 1310 x 540 x 1290 | 560 | 55 | M 1 |
| **Mitsubishi** | **BCM 8-50SP E2** | 7.4 | 8 | S3L2-61SD | 3 in line | 1.3 | 3.1 | PI 044 E | 1300 x 520 x 1240 | 625 | 55 | M 1 |
| | **BCM 12-50SP E2** | 11 | 12 | S4L 2-61SD | 4 in line | 1.76 | 4.3 | PI 044 G | 1300 x 520 x 1240 | 650 | 55 | M 1 |
| | **BCM 16-50SP E2** | 14.5 | 16 | S4Q2-Z261SD | 4 in line | 2.51 | 6.4 | PI 144 D | 1650 x 650 x 1170 | 700 | 55 | M 1 |
| | **BCM 24-50SP E2** | 22 | 24 | S4S-Z263SD | 4 in line | 3.33 | 8.4 | PI 144 G | 1650 x 650 x 1170 | 925 | 85 | M 2 |
| **Yanmar** | **BCY 7-50SP E2** | 7 | — | 3TNV 76 | 3 in line | 1.116 | 2.9 | PI 044 E | 1380 x 610 x 1300 | 690 | 55 | M 1 |
| | **BCY 11-50SP E2** | 11 | — | 3TNV 88 | 3 in line | 1.64 | 3.6 | PI 044 G | 1380 x 610 x 1300 | 695 | 55 | M 1 |
| | **BCY 15-50SP E2** | 15 | — | 4TN V 88 | 4 in line | 2.19 | 4.9 | PI 144 D | 1380 x 610 x 1300 | 703 | 55 | M 1 |
| **Cummins** | **BCC 9-50SP** | 7.7 | 8.5 | X1.3-G2 | 2 in line | 1.3 | 3.0 | PI 044 E | 1300 x 520 x 1240 | 625 | 55 | M 1 |
| | **BCC 22-50SP** | 20 | 22 | X2.5-G2 | 3 in line | 2.5 | 6.0 | PI 144 F | 1650 x 650 x 1170 | 700 | 85 | M 2 |

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation, except when using Yanmar or Lister engines.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor and single phase ratings at 1.0 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCM 33-50 E2:***
*engine S4S-Z263SD, alternator PI 144 G, control panel BC 701-M*

# 14.5kVA to 440kVA generator sets

## JOHN DEERE RANGE 50Hz EMISSION NON-COMPLIANT

### 3 PHASE 380/220 – 415/240V

| | Prime Rating (PRP) | | Standby Rating (ESP) | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA | kWe | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCJD 22-50** | 20 | 16 | 22 | 18 | 3029 DF128 | 3 inline | 2.9 | 5.8 | PI 144 D | 1635 x 860 x 1370 | 820 | 85 | C 1 |
| **BCJD 30-50** | 28 | 22 | 30 | 24 | 3029 DF128 | 3 inline | 2.9 | 6.8 | PI 144 F | 1635 x 860 x 1370 | 830 | 85 | C 1 |
| **BCJD 44-50** | 40 | 32 | 44 | 35 | 3029 TF158 | 3 inline | 2.9 | 9.7 | PI 144 J | 2080 x 680 x 1420 | 870 | 155 | C 1 |
| **BCJD 65-50** | 60 | 48 | 65 | 52 | 4045 TF158 | 4 inline | 4.5 | 14.2 | UCI 224 E | 2270 x 860 x 1440 | 1120 | 155 | C 2 |
| **BCJD 90-50** | 80 | 64 | 90 | 72 | 4045 TF258 | 4 inline | 4.5 | 22.9 | UCI 224 G | 2270 x 860 x 1440 | 1295 | 225 | C 2 |
| **BCJD 110-50** | 100 | 80 | 110 | 88 | 4045 HF158 | 4 inline | 4.5 | 27.5 | UCI 274 C | 2260 x 850 x 1560 | 1285 | 225 | C 2 |
| **BCJD 130-50** | 120 | 96 | 130 | 104 | 6068 TF258 | 6 inline | 6.8 | 26.6 | UCI 274 E | 2700 x 800 x 1490 | 1675 | 250 | C 3 |
| **BCJD 150-50** | 140 | 112 | 150 | 120 | 6068 HF158 | 6 inline | 6.8 | 31.5 | UCI 274 E | 2700 x 800 x 1610 | 1770 | 250 | C 3 |
| **BCJD 165-50** | 150 | 120 | 165 | 132 | 6068 HF158 | 6 inline | 6.8 | 33.8 | UCI 274 F | 2700 x 800 x 1610 | 1790 | 250 | C 3 |
| **BCJD 200-50** | 180 | 144 | 200 | 160 | 6068 HF258 | 6 inline | 6.8 | 40.7 | UCI 274 H | 2700 x 800 x 1610 | 1815 | 250 | C 3 |
| **BCJD 220-50** | 200 | 160 | 220 | 176 | 6081 HF001 | 6 inline | 8.1 | 42.4 | UCI 274 H | 3060 x 1180 x 1780 | 2365 | 350 | C 4 |
| **BCJD 260-50** | 230 | 184 | 260 | 208 | 6081 HF001 | 6 inline | 8.1 | 47.6 | UCDI 274 J | 3060 x 1180 x 1780 | 2430 | 350 | C 4 |
| **BCJD 275-50** | 250 | 200 | 275 | 220 | 6081 HF001 | 6 inline | 8.1 | 54.0 | UCDI 274 K | 3060 x 1180 x 1780 | 2510 | 350 | C 4 |
| **BCJD 330-50** | 300 | 240 | 330 | 264 | 6125 HF070 | 6 inline | 12.5 | 61.4 | HCI 444 D | 3360 x 1150 x 2110 | 3500 | 650 | C 5 |
| **BCJD 380-50** | 350 | 280 | 380 | 304 | 6125 HF070 | 6 inline | 12.5 | 71.4 | HCI 444 E | 3360 x 1140 x 2110 | 3600 | 650 | C 5 |
| **BCJD 440-50** | 400 | 320 | 440 | 352 | 6125 HF070 | 6 inline | 12.5 | 81.0 | HCI 444 F | 3360 x 1150 x 2110 | 3700 | 650 | C 5 |

### SINGLE PHASE 220 – 240V

| | Prime Rating (PRP) | Standby Rating (ESP) | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA (kWe) | kVA (kWe) | Engine Model | Cylinder arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/hr) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCJD 15-50SP** | 14.5 | — | 3029 DF128 | 3 inline | 2.9 | 5.8 | PI 144 D | 1635 x 860 x 1370 | 820 | 85 | C 1 |
| **BCJD 20-50SP** | 20 | — | 3029 DF128 | 3 inline | 2.9 | 6.8 | PI 144 F | 1635 x 860 x 1370 | 820 | 85 | C 1 |
| **BCJD 22-50SP** | 22 | — | 3029 DF128 | 3 inline | 2.9 | 7.4 | PI 144 G | 1635 x 860 x 1370 | 825 | 85 | C 1 |
| **BCJD 29-50SP** | 29 | — | 3029 TF158 | 3 inline | 2.9 | 9.7 | PI 144 J | 2080 x 680 x 1420 | 860 | 155 | C 1 |
| **BCJD 40-50SP** | 40 | — | 4045 TF158 | 4 inline | 4.5 | 12.2 | UCI 224 E | 2270 x 680 x 1440 | 1294 | 225 | C 2 |
| **BCJD 50-50SP** | 50 | — | 4045 TF158 | 4 inline | 4.5 | 14.9 | UCI 224 F | 2270 x 680 x 1440 | 1294 | 225 | C 2 |
| **BCJD 60-50SP** | 60 | — | 4045 TF258 | 4 inline | 4.5 | 22.9 | UCI 224 G | 2270 x 860 x 1440 | 1295 | 225 | C 2 |
| **BCJD 66-50SP** | 66 | — | 4045 HF158 | 4 inline | 4.5 | 23.4 | UCI 274 C | 2270 x 860 x 1560 | 1294 | 225 | C 2 |
| **BCJD 74-50SP** | 74 | — | 4045 HF158 | 4 inline | 4.5 | 27.5 | UCI 274 D | 2270 x 860 x 1560 | 1294 | 225 | C 2 |

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor and single phase ratings at 1.0 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

Genset models not suitable for mobile applications within the EU. Please contact G&M TEX sales department for further information. All data in accordance with ISO3046, DIN 6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCJD 90-50:***
*engine 4045TF258, alternator UCI 224 G, control panel BC 7210*



**optimal performance with excellent fuel economy**

# 14.5kVA to 330kVA generator sets

## JOHN DEERE RANGE 50Hz EMISSION COMPLIANT

**3 PHASE 380/220 – 415/240V**

| | Prime Rating (PRP) | | Standby Rating (ESP) | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA | kWe | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCJD 42-50 E2** | 38 | 30 | 42 | 34 | 3029 HFU70 | 3 inline | 2.9 | 10.1 | PI 144 J | 2080 x 680 x 1420 | 880 | 155 | C 1 |
| **BCJD 64-50 E2** | 60 | 48 | 64 | 51.2 | 4045 TFU70 | 4 inline | 4.5 | 14.8 | UCI 224 E | 2270 x 860 x 1440 | 1295 | 225 | C 2 |
| **BCJD 88-50 E2** | 80 | 64 | 88 | 70.4 | 4045 HFU72 | 4 inline | 4.5 | 19.8 | UCI 224 G | 2270 x 860 x 1560 | 1294 | 225 | C 2 |
| **BCJD 110-50 E2** | 100 | 80 | 110 | 88 | 4045 HFU79 | 4 inline | 4.5 | 23.8 | UCI 274 C | 2270 x 860 x 1560 | 1285 | 225 | C 2 |
| **BCJD 150-50 E2** | 140 | 112 | 150 | 120 | 6068 HFU79 | 6 inline | 6.8 | 31.2 | UCI 274 E | 2700 x 800 x 1610 | 1770 | 250 | C 3 |
| **BCJD 165-50 E2** | 150 | 120 | 165 | 132 | 6068 HFU79 | 6 inline | 6.8 | 32.8 | UCI 274 F | 2700 x 800 x 1620 | 1790 | 250 | C 3 |
| **BCJD 220-50 E2** | 200 | 160 | 220 | 176 | 6068 HFU74 | 6 inline | 6.8 | 40.1 | UCI 274 H | 2710 x 810 x 1620 | 1815 | 250 | C 4 |
| **BCJD 275-50 E2** | 250 | 200 | 275 | 220 | 6090 HFU75 | 6 inline | 9.0 | 53.8 | UCDI 274 K | 3360 x 1330 x 1990 | 3500 | 350 | C 4 a |
| **BCJD 330-50 E2** | 300 | 240 | 330 | 264 | 6090 HFU75 | 6 inline | 9.0 | 64.1 | HCI 444 D | 3360 x 1330 x 1990 | 3700 | 350 | C 4 a |

**SINGLE PHASE 220 – 240V**

| | Prime Rating (PRP) | Standby Rating (ESP) | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA (kWe) | kVA (kWe) | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/hr) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCJD 15-50SP E2** | 14.5 | — | 3029 TFU70 | 3 inline | 2.9 | 5.5 | PI 144 D | 2080 x 680 x 1420 | 860 | 85 | C 1 |
| **BCJD 20-50SP E2** | 20 | — | 3029 TFU70 | 3 inline | 2.9 | 7.9 | PI 144 F | 2080 x 680 x 1420 | 860 | 85 | C 1 |
| **BCJD 30-50SP E2** | 30 | — | 3029 HFU70 | 3 inline | 2.9 | 10.1 | UCI 224 D | 2080 x 680 x 1420 | 875 | 155 | C 1 |
| **BCJD 45-50SP E2** | 45 | — | 4045 TFU70 | 4 inline | 4.5 | 14.8 | UCI 224 F | 2270 x 860 x 1440 | 1295 | 225 | C 2 |
| **BCJD 60-50SP E2** | 60 | — | 4045 HFU72 | 4 inline | 4.5 | 19.8 | UCI 224 G | 2270 x 860 x 1560 | 1294 | 225 | C 2 |
| **BCJD 74-50SP E2** | 74 | — | 4045 HFU79 | 4 inline | 4.5 | 23.8 | UCI 274 D | 2270 x 860 x 1560 | 1294 | 225 | C 2 |

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor and single phase ratings at 1.0 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN 6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCJD 110-50 E2:***
*engine 4045 HFU 79, alternator UCI 274 C, control panel BC 7310*

# 275kVA to 700kVA generator sets

## VOLVO RANGE 50Hz EMISSION COMPLIANT

| 3 PHASE 380/220 – 415/240V | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Prime Rating (PRP) | | Standby Rating (ESP) | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
| Genset Model | kVA | kWe | kVA | kWe | engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCV 300-50 E2** | 275 | 220 | 300 | 240 | TAD940GE | 6 inline | 9.36 | 59.6 | HCI 444 D | 3320 x 1190 x 1830 | 3540 | 600 | C 4 |
| **BCV 360-50 E2** | 325 | 260 | 360 | 288 | TAD941GE | 6 inline | 9.36 | 69.9 | HCI 444 E | 3320 x 1190 x 1830 | 3445 | 600 | C 4 |
| **BCV 385-50 E2** | 350 | 280 | 385 | 308 | TAD1342GE | 6 inline | 12.13 | 71.6 | HCI 444 E | 3320 x 1225 x 1860 | 3720 | 720 | C 5 |
| **BCV 415-50 E2** | 375 | 300 | 415 | 332 | TAD1343GE | 6 inline | 12.13 | 77.1 | HCI 444 F | 3320 x 1225 x 1860 | 3720 | 720 | C 5 |
| **BCV 440-50 E2** | 400 | 320 | 440 | 352 | TAD1344GE | 6 inline | 12.13 | 84.7 | HCI 444 F | 3320 x 1225 x 1860 | 3720 | 720 | C 5 |
| **BCV 500-50 E2** | 450 | 360 | 500 | 400 | TAD1345GE | 6 inline | 16.12 | 94.0 | HCI 544 C | 3820 x 1250 x 2165 | 5050 | 710 | C 6 |
| **BCV 550-50 E2** | 500 | 400 | 550 | 440 | TAD1641GE | 6 inline | 16.12 | 102.9 | HCI 544 D | 3820 x 1250 x 2165 | 5050 | 710 | C 6 |
| **BCV 630-50 E2** | 570 | 456 | 630 | 504 | TAD1642GE | 6 inline | 16.12 | 116.9 | HCI 544 E | 3820 x 1250 x 2165 | 5050 | 850 | C 6 |
| **BCV 700-50 E2** | 635 | 508 | 700 | 560 | TWD1643GE | 6 inline | 16.12 | 129.0 | HCI 544 F | 3580 x 1500 x 2160 | 4735 | 850 | C 7 |

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN 6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCV 300-50 E2:***
*engine TAD940GE, alternator HCI 444 D, control panel BC 7310*

# 27.5kVA to 550kVA generator sets

## CUMMINS RANGE 50Hz EMISSION COMPLIANT & NON-COMPLIANT

### 3 PHASE 380/220 – 415/240V

| | Prime Rating (PRP) | | Standby Rating (ESP) | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA | kWe | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCC 39-50** | 35 | 28 | 38.5 | 30.8 | X3.3-G1 | 4 in line | 3.3 | 8.0 | PI 144 H | 1650 x 650 x 1170 | 925 | 85 | C 1 |
| **BCC 44-50** | 40 | 32 | 44 | 35.2 | S3.8-G4 | 4 in line | 3.8 | 11 | PI 144 J | 2080 x 680 x 1420 | 870 | 155 | C 1 |
| **BCC 55-50 E2** | 50 | 40 | 55 | 44 | 4BT3.3-G3 | 4 in line | 3.8 | 12 | UCI 224 D | 2080 x 680 x 1420 | 1000 | 155 | C 2 |
| **BCC 55-50** | 50 | 40 | 55 | 44 | S3.8-G6 | 4 in line | 3.8 | 13 | UCI 224 D | 2080 x 680 x 1420 | 1000 | 155 | C 2 |
| **BCC 64-50** | 60 | 48 | 64 | 51.2 | S3.8-G7 | 4 in line | 3.8 | 18 | UCI 224 E | 2080 x 680 x 1390 | 1120 | 155 | C 2 |
| **BCC 92-50 E3A** | 85 | 68 | 92 | 74 | QSB5-G3 | 4 in line | 5.0 | 22 | UCI 224 G | 2270 x 860 x 1440 | 1284 | 225 | C 2 |
| **BCC 110-50** | 100 | 80 | 110 | 88 | 6BTA5.9 G5 | 4 in line | 6.0 | 24 | UCI 274 C | 2400 x 860 x 1540 | 1320 | 225 | C 2 |
| **BCC 110-50 E3A** | 100 | 80 | 110 | 88 | QSB5-G5 | 4 in line | 5.0 | 25 | UCI 274 C | 2260 x 850 x 1560 | 1285 | 225 | C 2 |
| **BCC 138-50** | 125 | 100 | 138 | 110 | 6BTAA5.9 G3 | 6 in line | 6.0 | 30 | UCI 274 E | 2400 x 860 x 1540 | 1450 | 250 | C 3 |
| **BCC 175-50** | 160 | 128 | 175 | 140 | 6BTAA5.9 G5 | 6 in line | 6.0 | 35 | UCI 274 F | 2700 x 800 x 1630 | 1830 | 250 | C 3 |
| **BCC 188-50 E3A** | 170 | 136 | 188 | 150 | QSB7-G3 | 6 in line | 7.0 | 38 | UCI 274 F | 2700 x 800 x 1610 | 1790 | 250 | C 3 |
| **BCC 200-50 E3A** | 180 | 144 | 200 | 160 | QSB7-G4 | 6 in line | 7.0 | 42 | UCI 274 G | 2700 x 800 x 1610 | 1815 | 250 | C 3 |
| **BCC 220-50 E3A** | 200 | 160 | 220 | 176 | QSB7-G5 | 6 in line | 7.0 | 45 | UCI 274 H | 2700 x 800 x 1610 | 1840 | 250 | C 3 |
| **BCC 250-50 E3A** | 225 | 180 | 250 | 200 | QSL 9-G2 | 6 in line | 9.0 | 56 | UCDI 274 J | 3060 x 1180 x 1780 | 2365 | 350 | C 4A |
| **BCC 275-50 E3A** | 250 | 200 | 275 | 220 | QSL 9-G3 | 6 in line | 9.0 | 59 | UCDI 274 K | 3060 x 1180 x 1780 | 2510 | 350 | C 4A |
| **BCC 300-50 E3A** | 275 | 220 | 300 | 240 | QSL 9-G4 | 6 in line | 9.0 | 61 | HCI 444 D | 3360 x 1150 x 2110 | 3200 | 650 | C 4A |
| **BCC 330-50** | 300 | 240 | 330 | 264 | QSL 9-G5 | 6 in line | 9.0 | 66 | HCI 444 D | 3360 x 1150 x 2110 | 3300 | 650 | C 4A |
| **BCC 330-50 E3A** | 300 | 240 | 330 | 264 | QSL 9-G7 | 6 in line | 9.0 | 66 | HCI 444 D | 3360 x 1150 x 2110 | 3300 | 650 | C 4A |
| **BCC 350-50** | 320 | 256 | 350 | 280 | NT855-G6 | 6 in line | 14.0 | 70 | HCI 444 E | 3360 x 1150 x 2110 | 3460 | 650 | C 5 |
| **BCC 400-50** | 365 | 292 | 400 | 320 | NTA855-G4 | 6 in line | 14.0 | 80 | HCI 444 F | 3360 x 1150 x 2110 | 3750 | 650 | C 5 |
| **BCC 440-50 E2** | 400 | 320 | 440 | 352 | QSX15-G4 | 6 in line | 15.0 | 85.7 | HCI 444 F | 3360 x 1150 x 2110 | 3700 | 650 | C 5 |
| **BCC 500-50 E2** | 455 | 364 | 500 | 400 | QSX15-G6 | 6 in line | 15.0 | 95.9 | HCI 544 C | 3410 x 1150 x 2110 | 4000 | 710 | C 6 |
| **BCC 550-50 E2** | 500 | 400 | 550 | 440 | QSX15-G8 | 6 in line | 15.0 | 103 | HCI 544 D | 3410 x 1150 x 2110 | 4020 | 710 | C 6 |

### SINGLE PHASE 220 – 240V

| | Prime Rating (PRP) | Standby Rating (ESP) | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Genset Model | kVA (kWe) | kVA (kWe) | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCC 30-50SP** | 27.5 | 30.3 | X3.3-G1 | 4 in line | 3.3 | 8.0 | PI 144 J | 1650 x 650 x 1170 | 925 | 85 | C 1 |
| **BCC 32-50 SP** | 32 | — | S3.8-G4 | 4 in line | 3.8 | 11.0 | UCI 224 D | 2080 x 680 x 1420 | 870 | 155 | C 1 |
| **BCC 40-50 SP E2** | 40 | — | 4BT3.3-G3 | 4 in line | 3.8 | 12.0 | UCI 224 E | 2080 x 680 x 1420 | 1000 | 155 | C 2 |
| **BCC 40-50 SP** | 40 | — | S3.8-G5 | 4 in line | 3.8 | 13.0 | UCI 224 E | 2080 x 680 x 1420 | 1000 | 155 | C 2 |
| **BCC 48-50 SP** | 48 | — | S3.8-G7 | 4 in line | 3.8 | 18.0 | UCI 224 F | 2080 x 680 x 1390 | 1120 | 155 | C 2 |
| **BCC 65-50 SP E3A** | 65 | — | QSB5-G3 | 4 in line | 5 | 22.0 | UCI 274 C | 2270 x 860 x 1440 | 1284 | 225 | C 2 |
| **BCC 75-50 SP E3A** | 75 | — | QSB5-G5 | 4 in line | 5 | 25.0 | UCI 274 D | 2260 x 850 x 1560 | 1285 | 225 | C 2 |
| **BCC 75-50 SP** | 75 | — | 6BTA5.9 G5 | 4 in line | 6 | 24.0 | UCI 274 D | 2400 x 860 x 1540 | 1320 | 225 | C 2 |
| **BCC 100-50SP** | 100 | — | 6BTAA5.9 G3 | 6 in line | 6 | 30.0 | UCI 274 F | 2400 x 860 x 1540 | 1450 | 250 | C 3 |

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. no overload is available.

All 3 phase ratings at 0.8 Power Factor and single phase ratings at 1.0 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with isO3046, DIN6271, isO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCC 275-50 E3A:***
*engine QSL9-G3, alternator UCDI 274 K, control panel BC 7310*

# 650kVA to 3050kVA generator sets

## CUMMINS RANGE 50Hz EMISSION NON-COMPLIANT

| 3 PHASE 400/230 – 415/240V | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rating | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
| Genset Model # | Prime (PRP) or Standby (ESP) Rating | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel tank* Capacity (litres) | Enclosure Type |
| **BCC 650P-50** | PRP | 650 | 520 | VTA 28 G5 | 12 Vee | 28.00 | 140 | HCI 534 F | 3860 x 1575 x 2145 | 5820 | 720 | ISO-20 |
| **BCC 700S-50** | ESP | 700 | 560 | VTA 28 G5 | 12 Vee | 28.00 | 154 | HCI 534 F | 3860 x 1575 x 2145 | 5820 | 720 | ISO-20 |
| **BCC 800P-50** | PRP | 800 | 640 | QSK 23 G3 | 6 inline | 23.15 | 161 | HCI 634 G | 4210 x 1750 x 2230 | 6195 | 720 | ISO-20 |
| **BCC 850S-50** | ESP | 850 | 680 | QSK 23 G3 | 6 inline | 23.15 | 178 | HCI 634 G | 4210 x 1750 x 2230 | 6195 | 720 | ISO-20 |
| **BCC 1000P-50** | PRP | 1000 | 800 | KTA 38 G5 | 12 Vee | 37.80 | 209 | HCI 634 J | 4360 x 1800 x 2450 | 8519 | — | ISO-20 |
| **BCC 1100S-50** | ESP | 1100 | 880 | KTA 38 G5 | 12 Vee | 37.80 | 228 | HCI 634 J | 4360 x 1800 x 2450 | 8519 | — | ISO-20 |
| **BCC 1010P-50** | PRP | 1000 | 800 | QST 30 G4 | 12 Vee | 30.48 | 202 | HCI 634 J | 4450 x 1810 x 2350 | 7085 | — | ISO-20 HC |
| **BCC 1110S-50** | ESP | 1100 | 880 | QST 30 G4 | 12 Vee | 30.48 | 224 | HCI 634 J | 4450 x 1810 x 2350 | 7085 | — | ISO-20 HC |
| **BCC 1250P-50** | PRP | 1250 | 1000 | KTA 50 G3 | 16 Vee | 50.30 | 261 | PI 734 a | 5200 x 1795 x 2340 | 10200 | — | ISO-40 HC |
| **BCC 1275P-50** | PRP | 1275 | 1020 | QSK 38 G3 | 12 Vee | 37.80 | 267 | PI 734 B | 4450 x 1810 x 2350 | 8519 | — | ISO-20 |
| **BCC 1400S-50** | ESP | 1400 | 1120 | QSK 38 G3 | 12 Vee | 37.80 | 293 | PI 734 B | 4450 x 1810 x 2350 | 8519 | — | ISO-20 |
| **BCC 1410S-50** | ESP | 1410 | 1130 | KTA 50 G3 | 16 Vee | 50.30 | 293 | PI 734 B | 5200 x 1795 x 2340 | 10200 | — | ISO-40 HC |
| **BCC 1400P-50** | PRP | 1400 | 1120 | KTA 50 G8 | 16 Vee | 50.30 | 289 | PI 734 B | 5620 x 2045 x 2440 | 11010 | — | ISO-40 HC |
| **BCC 1500P-50** | PRP # | 1500 | 1200 | KTA 50 GS8 | 16 Vee | 50.30 | 307 | PI 734 C | 5620 x 2045 x 2440 | 11010 | — | ISO-40 HC |
| **BCC 1660S-50** | ESP | 1660 | 1328 | KTA 50 G8 | 16 Vee | 50.30 | 345 | PI 734 C | 5620 x 2045 x 2440 | 11010 | — | ISO-40 HC |
| **BCC 1540P-50** | PRP | 1540 | 1232 | QSK 50 G4 | 16 Vee | 50.30 | 340 | PI 734 C | 5930 × 2050 × 3010 | 11260 | — | ‡ |
| **BCC 1700S-50** | ESP | 1700 | 1360 | QSK 50 G4 | 16 Vee | 50.30 | 370 | PI 734 D | 5920 × 2050 × 3010 | 11260 | — | ‡ |
| **BCC 1875P-50** | PRP | 1875 | 1500 | QSK 60 G3 | 16 Vee | 60.20 | 370 | PI 734 E | 5540 x 1875 x 2720 | 13800 | — | ‡ |
| **BCC 2000S-50** | ESP | 2000 | 1600 | QSK 60 G3 | 16 Vee | 60.20 | 414 | PI 734 E | 5540 x 1875 x 2720 | 13800 | — | ‡ |
| **BCC 2050P-50** | PRP | 2050 | 1600 | QSK 60 G4 | 16 Vee | 60.20 | 394 | PI 734 F | 6000 x 2325 x 3240 | 14225 | — | ‡ |
| **BCC 2250S-50** | ESP | 2250 | 1784 | QSK 60 G4 | 16 Vee | 60.20 | 437 | PI 734 F | 6000 x 2325 x 3240 | 14225 | — | ‡ |
| **BCC 2200P-50** | PRP # | 2200 | 1760 | QSK 60 G8 | 16 Vee | 60.20 | 455 | PI 734 G | 6000 x 2325 x 2900 | 14225 | — | ‡ |
| **BCC 2360S-50** | ESP # | 2360 | 1888 | QSK 60 G8 | 16 Vee | 60.20 | 500 | PI 734 G | 6000 x 2325 x 2900 | 14225 | — | ‡ |
| **BCC 2500P-50** | PRP | 2500 | 2000 | QSK 78 G6 | 18 Vee | 78.00 | 530 | LVSI 804S2 | 7000 x 2325 x 2900 | 17000 | — | ‡ |
| **BCC 2750S-50** | ESP | 2750 | 2200 | QSK 78 G6 | 18 Vee | 78.00 | 583 | LVSI 804S2 | 7000 x 2325 x 2900 | 17000 | — | ‡ |
| **BCC 2750P-50** | PRP | 2750 | 2200 | QSK 78 G9 | 18 Vee | 78.00 | 583 | LVSI 804S2 | 7000 x 2325 x 2900 | 17000 | — | ‡ |
| **BCC 3050S-50** | ESP | 3050 | 2440 | QSK 78 G9 | 18 Vee | 78.00 | 641 | LVSI 804 S2 | 7000 x 2325 x 2900 | 17000 | — | ‡ |

* Optional
— These models are not available with a baseframe fuel tank. Free standing tanks are available on request.
‡ For details on acoustic packages please contact G&M TEX sales Department.
# For details on emission Compliant engines please contact G&M TEX sales Department.

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

**Prime and Standby Power (PRP # and ESP #)**
Genset models BCC1500P-50 / BCC2200P-50 / BCC2360s-50 have a special rating. Please contact G&M TEX sales department for more information on this rating definition.

all 3 phase ratings at 0.8 Power Factor.

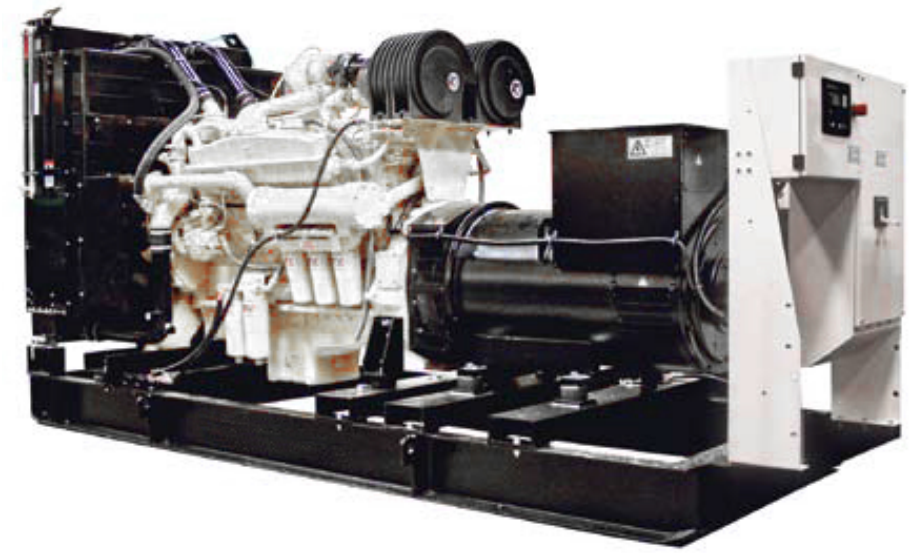
### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

all data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**



*engine QST30G4, alternator HCI 634 J, control panel BC 7310*

# 1250kVA to 2200kVA generator sets

## MITSUBISHI RANGE 50HZ EMISSION NON-COMPLIANT

| 3 PHASE 400/230 – 415/240V | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rating | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
| Genset Model | Prime (PRP) or Standby (ESP) Rating | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank Capacity (litres) | Enclosure Type |
| **BCM 1250P-50** | PRP | 1250 | 1000 | S12R -PTA | 12 Vee | 49.03 | 259 | PI 734 A | 4520 x 2090 x 2490 | 10100 | — | ISO-40 HC |
| **BCM 1400S-50** | ESP | 1400 | 1120 | S12R -PTA | 12 Vee | 49.03 | 285 | PI 734 B | 4520 x 2090 x 2490 | 10100 | — | ISO-40 HC |
| **BCM 1400P-50** | PRP | 1400 | 1120 | S12R -PTA2 | 12 Vee | 49.03 | 281 | PI 734 B | 4520 x 2090 x 2490 | 10450 | — | ISO-40 HC |
| **BCM 1530S-50** | ESP | 1530 | 1224 | S12R -PTA2 | 12 Vee | 49.03 | 312 | PI 734 C | 4520 x 2090 x 2490 | 10450 | — | ISO-40 HC |
| **BCM 1500P-50** | PRP | 1500 | 1200 | S12R -PTA2 | 12 Vee | 49.03 | 308 | PI 734 C | 4520 x 2090 x 2490 | 10450 | — | ‡ |
| **BCM 1650S-50** | ESP | 1650 | 1320 | S12R -PTA2 | 12 Vee | 49.03 | 330 | PI 734 C | 4520 x 2090 x 2490 | 10450 | — | ‡ |
| **BCM 1750P-50** | PRP | 1750 | 1400 | S16R-PTA | 16 Vee | 65.37 | 341 | PI 734 E | 5300 x 2320 x 2570 | 13100 | — | ‡ |
| **BCM 1900S-50** | ESP | 1900 | 1520 | S16R-PTA | 16 Vee | 65.37 | 374 | PI 734 E | 5300 x 2320 x 2570 | 13100 | — | ‡ |
| **BCM 1900P-50** | PRP | 1900 | 1520 | S16R-PTA2 | 16 Vee | 65.37 | 393 | PI 734 E | 5300 x 2320 x 2570 | 13480 | — | ‡ |
| **BCM 2090S-50** | ESP | 2090 | 1672 | S16R-PTA2 | 16 Vee | 65.37 | 430 | PI 734 F | 5300 x 2320 x 2570 | 13480 | — | ‡ |
| **BCM 2000P-50** | PRP | 2000 | 1600 | S16R -F1PTAW2 | 16 Vee | 65.37 | 450 | PI 734 F | 5410 x 2405 x 2610 | 13785 | — | ‡ |
| **BCM 2200S-50** | ESP | 2200 | 1760 | S16R -F1PTAW2 | 16 Vee | 65.37 | 490 | PI 734 F | 5410 x 2405 x 2610 | 13785 | — | ‡ |

— These models are not available with a baseframe fuel tank. Free standing tanks are available on request.
‡ For details on acoustic packages please contact G&M TEX sales Department.

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. no overload is available.

All 3 phase ratings at 0.8 Power Factor.

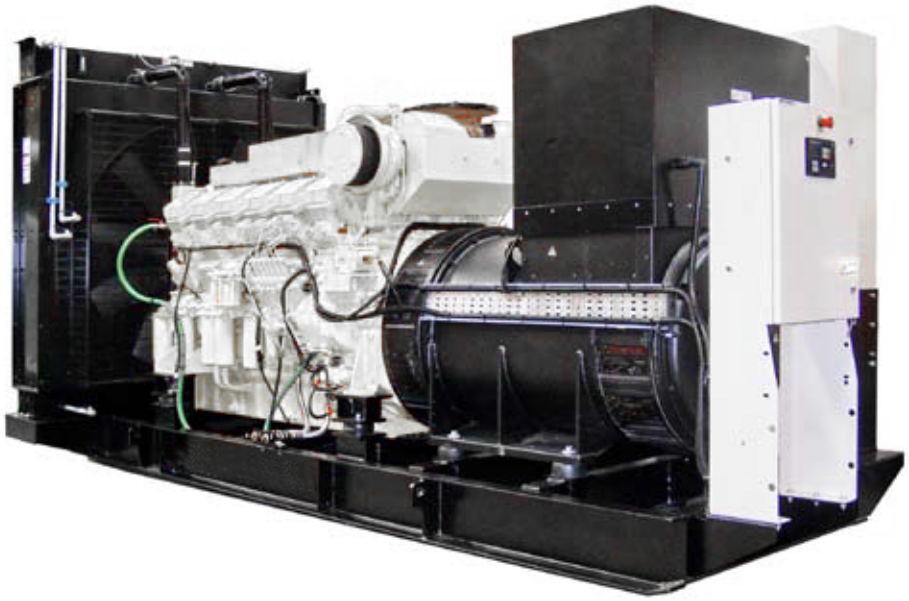
### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN 6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**



***BCM 1250P-50:***
*engine S12R-PTA, alternator PI 734 A, remote start control panel*

# 650kVA to 2500kVA generator sets

## PERKINS RANGE 50Hz EMISSION NON-COMPLIANT

| 3 PHASE 400/230 – 415/240V | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rating | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
| Genset Model # | Prime (PRP) or Standby (ESP) Rating | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | Alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel Tank* Capacity (litres) | Enclosure Type |
| **BCP 650P-50** | PRP | 650 | 520 | 2806A-E18TAG2 | 6 inline | 18.13 | 125 | HCI 544 F | 3675 x 1536 x 2200 | 5850 | 720 | ‡ |
| **BCP 700S-50** | ESP | 700 | 560 | 2806A-E18TAG2 | 6 inline | 18.13 | 141 | HCI 544 F | 3675 x 1536 x 2200 | 5850 | 720 | ‡ |
| **BCP 750P-50** | PRP | 750 | 600 | 4006-23TAG2A | 6 inline | 22.92 | 159 | HCI 634 G | 4227 x 1832 x 2166 | 6754 | 720 | ‡ |
| **BCP 800S-50** | ESP | 800 | 640 | 4006-23TAG2A | 6 inline | 22.92 | 176 | HCI 634 G | 4227 x 1832 x 2166 | 6754 | 720 | ‡ |
| **BCP 800P-50** | PRP | 800 | 640 | 4006-23TAG3A | 6 inline | 22.92 | 175 | HCI 634 G | 4227 x 1832 x 2166 | 6754 | 720 | ‡ |
| **BCP 850S-50** | ESP | 850 | 680 | 4006-23TAG3A | 6 inline | 22.92 | 222 | HCI 634 G | 4227 x 1832 x 2166 | 6754 | 720 | ‡ |
| **BCP 900P-50** | PRP | 900 | 720 | 4008TAG1A | 8 inline | 30.56 | 194 | HCI 634 H | 4940 x 1950 x 2525 | 10000 | — | ‡ |
| **BCP 1000S-50** | ESP | 1000 | 800 | 4008TAG1A | 8 inline | 30.56 | 217 | HCI 634 H | 4940 x 1950 x 2525 | 10000 | — | ‡ |
| **BCP 1000P-50** | PRP | 1000 | 800 | 4008TAG2A | 8 inline | 30.56 | 226 | HCI 634 J | 4940 x 1950 x 2525 | 10000 | — | ‡ |
| **BCP 1100S-50** | ESP | 1100 | 880 | 4008TAG2A | 8 inline | 30.56 | 286 | HCI 634 J | 4940 x 1950 x 2525 | 10000 | — | ‡ |
| **BCP 1250P-50** | PRP | 1250 | 1000 | 4012-46TWG2A | 12 Vee | 45.48 | 258 | PI 734 A | 4815 x 1775 x 2225 | 11000 | — | ‡ |
| **BCP 1380S-50** | ESP | 1380 | 1104 | 4012-46TWG2A | 12 Vee | 45.48 | 287 | PI 734 B | 4815 x 1775 x 2225 | 11000 | — | ‡ |
| **BCP 1350P-50** | PRP | 1350 | 1080 | 4012-46TAG1A | 12 Vee | 45.84 | 282 | PI 734 B | 5290 x 2020 x 2370 | 11600 | — | ‡ |
| **BCP 1480S-50** | ESP | 1480 | 1184 | 4012-46TAG1A | 12 Vee | 45.84 | 309 | PI 734 B | 5290 x 2020 x 2370 | 11600 | — | ‡ |
| **BCP 1500P-50** | PRP | 1500 | 1200 | 4012-46TAG2A | 12 Vee | 45.84 | 298 | PI 734 C | 5290 x 2020 x 2370 | 11600 | — | ‡ |
| **BCP 1650S-50** | ESP | 1650 | 1320 | 4012-46TAG2A | 12 Vee | 45.84 | 329 | PI 734 C | 5290 x 2020 x 2370 | 11600 | — | ‡ |
| **BCP 1725P-50** | PRP | 1725 | 1380 | 4012-46TAG3A | 12 Vee | 45.86 | 353 | PI 734 E | 5290 x 2020 x 2440 | 12150 | — | ‡ |
| **BCP 1890S-50** | ESP | 1890 | 1512 | 4012-46TAG3A | 12 Vee | 45.86 | 396 | PI 734 E | 5290 x 2020 x 2440 | 12150 | — | ‡ |
| **BCP 1850P-50** | PRP | 1850 | 1480 | 4016TAG1A | 16 Vee | 61.12 | 383 | PI 734 E | 6120 x 2320 x 2965 | 15430 | — | ‡ |
| **BCP 2000S-50** | ESP | 2000 | 1600 | 4016TAG1A | 16 Vee | 61.12 | 424 | PI 734 E | 6120 x 2320 x 2965 | 15430 | — | ‡ |
| **BCP 2050P-50** | PRP | 2050 | 1640 | 4016TAG2A | 16 Vee | 61.12 | 447 | PI 734 F | 6120 x 2320 x 2965 | 15430 | — | ‡ |
| **BCP 2250S-50** | ESP | 2250 | 1800 | 4016TAG2A | 16 Vee | 61.12 | 488 | PI 734 F | 6120 x 2320 x 2965 | 15430 | — | ‡ |
| **BCP 2250P-50** | PRP | 2250 | 1800 | 4016-61TR G3A | 16 Vee | 61.12 | 488 | LVSI 804 R2 | 6400 x 2320 x 2965 | 16000 | — | ‡ |
| **BCP 2500S-50** | ESP | 2500 | 2000 | 4016-61TR G3A | 16 Vee | 61.12 | 542 | LVSI 804 R2 | 6400 x 2320 x 2965 | 16000 | — | ‡ |

* Optional
— These models are not available with a baseframe fuel tank. Free standing tanks are available on request.
‡ For details on acoustic packages please contact G&M TEX sales Department.
# For details on emission Compliant engines please contact G&M TEX sales Department.

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. there is no limitation to the annual hours of operation. A 10% overload is available for 1 hour in every 12 hours of operation.

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100 kPa barometric pressure [110m (361ft) altitude] and 30% relative humidity. For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN 6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**


***BCP 1250P-50:***
*engine 4012TWG2A, alternator PI 734 A, control panel BC 7310*



**sets can be modified to meet your needs**

# 450kVA to 3350kVA generator sets

## **MTU RANGE** 50Hz EMISSION COMPLIANT & NON-COMPLIANT

| 3 PHASE 400/230 – 415/240V | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rating | | Engine Specifications | | | | | Open Set Version | | | Canopy Version |
| Genset Model # | Prime (PRP) or standby (ESP) Rating | kVA | kWe | Engine Model | Cylinder Arrangement | Cubic Capacity (litres) | Fuel Cons 100% Load (l/h) | alternator Model | Dimensions Length x Width x Height (mm) | Weight (wet) (kg) | Fuel tank Capacity (litres) | Enclosure Type |
| **BCMU 450P-50 E3A** | PRP | 450 | 360 | 10V 1600 G10 | 10 Vee | 17.5 | 94.2 | HCI 534 D | 2800 x 1310 x 1500 | 4400 | 710 | C 6 |
| **BCMU 490S-50 E3A** | ESP | 490 | 392 | 10V 1600 G10 | 10 Vee | 17.5 | 102.5 | HCI 534 D | 2800 x 1310 x 1500 | 4400 | 710 | C 6 |
| **BCMU 495P-50 E3A** | PRP | 495 | 396 | 10V 1600 G20 | 10 Vee | 17.5 | 103.6 | HCI 534 E | 2800 x 1310 x 1500 | 4500 | 710 | C 6 |
| **BCMU 550S-50 E3A** | ESP | 550 | 440 | 10V 1600 G20 | 10 Vee | 17.5 | 115.1 | HCI 534 E | 2800 x 1310 x 1500 | 4500 | 710 | C 6 |
| **BCMU 590P-50** | PRP | 590 | 472 | 12V 1600 G10 | 12 Vee | 21 | 123.5 | HCI 534 F | 3000 x 1310 x 1500 | 5000 | 710 | C 6 |
| **BCMU 650S-50** | ESP | 650 | 520 | 12V 1600 G10 | 12 Vee | 21 | 136.7 | HCI 534 F | 3000 x 1310 x 1500 | 5000 | 710 | C 6 |
| **BCMU 650P-50** | PRP | 650 | 520 | 12V 1600 G20 | 12 Vee | 21 | 136.7 | HCI 534 F | 3000 x 1310 x 1500 | 5000 | 710 | C 6 |
| **BCMU 710S-50** | ESP | 710 | 568 | 12V 1600 G20 | 12 Vee | 21 | 148.6 | HCI 544 F | 3000 x 1310 x 1500 | 5000 | 710 | C 6 |
| **BCMU 800P-50** | PRP | 800 | 640 | 12V 2000 G65 TD | 12 Vee | 23.88 | 164.6 | HCI 634 G | 4160 x 1600 x 2115 | 5925 | — | ISO-20 HC |
| **BCMU 860S-50** | ESP | 860 | 688 | 12V 2000 G65 TD | 12 Vee | 23.88 | 182.1 | HCI 634 G | 4160 x 1600 x 2115 | 5925 | — | ISO-20 HC |
| **BCMU 910P-50** | PRP | 910 | 728 | 16V 2000 G25 TD | 16 Vee | 31.84 | 188.0 | HCI 634 H | 4500 x 1690 x 2240 | 7220 | — | ISO-20 HC |
| **BCMU 1000S-50** | ESP | 1000 | 800 | 16V 2000 G25 TD | 16 Vee | 31.84 | 206.6 | HCI 634 H | 4500 x 1690 x 2240 | 7220 | — | ISO-20 HC |
| **BCMU 1010P-50** | PRP | 1010 | 808 | 16V 2000 G65 TD | 16 Vee | 31.84 | 206.6 | HCI 634 J | 4500 x 1690 x 2240 | 7220 | — | ISO-20 HC |
| **BCMU 1100S-50** | ESP | 1100 | 880 | 16V 2000 G65 TD | 16 Vee | 34.84 | 227.5 | HCI 634 J | 4500 x 1690 x 2240 | 7220 | — | ISO-20 HC |
| **BCMU 1130P-50** | PRP | 1130 | 904 | 18V 2000 G65 TD | 18 Vee | 35.82 | 236.8 | PI 734 A | 4770 x 2130 x 2490 | 8485 | — | ‡ |
| **BCMU 1240S-50** | ESP | 1240 | 992 | 18V 2000 G65 TD | 18 Vee | 35.82 | 261.8 | PI 734 A | 4770 x 2130 x 2490 | 8485 | — | ‡ |
| **BCMU 1250P-50** | PRP | 1250 | 1000 | 12V 4000 G21R | 12 Vee | 57.2 | 242.0 | PI 734 A | 5260 x 2310 x 3220 | 13500 | — | ‡ |
| **BCMU 1375S-50** | ESP | 1375 | 1100 | 12V 4000 G21R | 12 Vee | 57.2 | 266.6 | PI 734 A | 5260 x 2310 x 3220 | 13500 | — | ‡ |
| **BCMU 1400P-50** | PRP | 1400 | 1120 | 12V 4000 G23R | 12 Vee | 57.2 | 271.5 | PI 734 B | 5260 x 2310 x 3220 | 14000 | — | ‡ |
| **BCMU 1540S-50** | ESP | 1540 | 1232 | 12V 4000 G23R | 12 Vee | 57.2 | 298.6 | PI 734 B | 5260 x 2310 x 3220 | 14000 | — | ‡ |
| **BCMU 1650P-50** | PRP | 1650 | 1320 | 12V 4000 G23 | 12 Vee | 57.2 | 319.6 | PI 734 D | 5260 x 2310 x 3220 | 14300 | — | ‡ |
| **BCMU 1770S-50** | ESP | 1770 | 1416 | 12V 4000 G23 | 12 Vee | 57.2 | 356.4 | PI 734 D | 5260 x 2310 x 3220 | 14300 | — | ‡ |
| **BCMU 1800P-50** | PRP | 1800 | 1440 | 12V 4000 G63 | 12 Vee | 57.2 | 356.4 | PI 734 E | 5260 x 2310 x 3220 | 14300 | — | ‡ |
| **BCMU 2000S-50** | ESP | 2000 | 1600 | 12V 4000 G63 | 12 Vee | 57.2 | 402.1 | PI 734 E | 5260 x 2310 x 3220 | 14300 | — | ‡ |
| **BCMU 2100P-50** | PRP | 2100 | 1680 | 16V 4000 G23 | 16 Vee | 76.3 | 404.7 | PI 734 F | 6080 x 2310 x 3220 | 17380 | — | ‡ |
| **BCMU 2200S-50** | ESP | 2200 | 1760 | 16V 4000 G23 | 16 Vee | 76.3 | 440.0 | PI 734 F | 6080 x 2310 x 3220 | 17380 | — | ‡ |
| **BCMU 2200P-50** | PRP | 2200 | 1760 | 16V 4000 G63 | 16 Vee | 76.3 | 440.0 | PI 734 G | 6080 x 2310 x 3220 | 17380 | — | ‡ |
| **BCMU 2250P-50** | PRP | 2250 | 1800 | 16V 4000 G63 | 16 Vee | 76.3 | 499.5 | LVSI 804 R2 | 6150 x 2310 x 3220 | 17500 | — | ‡ |
| **BCMU 2360S-50** | ESP | 2360 | 1888 | 16V 4000 G63 | 16 Vee | 76.3 | 499.5 | PI 734 G | 6080 x 2310 x 3220 | 17380 | — | ‡ |
| **BCMU 2500S-50** | ESP | 2500 | 2000 | 16V 4000 G63 | 16 Vee | 76.3 | 499.5 | LVSI 804 R2 | 6150 x 2310 x 3220 | 17500 | — | ‡ |
| **BCMU 2500P-50** | PRP | 2500 | 2000 | 20V 4000 G23 | 20 Vee | 95.4 | 502.9 | LVSI 804 S2 | 6920 x 2360 x 3200 | 20480 | — | ‡ |
| **BCMU 2750S-50** | ESP | 2750 | 2200 | 20V 4000 G23 | 20 Vee | 95.4 | 547.5 | LVSI 804 S2 | 6920 x 2360 x 3200 | 20480 | — | ‡ |
| **BCMU 2800P-50** | PRP | 2800 | 2240 | 20V 4000 G63 | 20 Vee | 95.4 | 547.5 | LVSI 804 S2 | 6920 x 2360 x 3200 | 20480 | — | ‡ |
| **BCMU 3050S-50** | ESP | 3050 | 2440 | 20V 4000 G63 | 20 Vee | 95.4 | 601.0 | LVSI 804 S2 | 6920 x 2360 x 3200 | 20480 | — | ‡ |
| **BCMU 3050P-50** | PRP | 3050 | 2440 | 20V 4000 G63L | 20 Vee | 95.4 | 583.0 | LVSI 804 T2 | 6650 x 2600 x 3300 | 21900 | — | ‡ |
| **BCMU 3350S-50** | ESP | 3350 | 2680 | 20V 4000 G63L | 20 Vee | 95.4 | 644.8 | LVSI 804 T2 | 6650 x 2600 x 3300 | 21900 | — | ‡ |

— these models are not available with a baseframe fuel tank. Free standing tanks are available on request.
‡ For details on acoustic packages please contact G&M TEX sales Department.
# For details on emission Compliant engines please contact G&M TEX sales Department.

### RATING DEFINITIONS

**Prime Power (PRP)**
These ratings are suitable for continuous operation in a variable load application in lieu of the main power network. There is no limitation to the annual hours of operation. An overload of up to 10% is available for 1 hour in every 12 hours of operation (See relevant data sheet on our website for details).

**Standby Power (ESP)**
These ratings are suitable for the supply of emergency power in a variable load application in the event of a main power network failure for a limited number of hours per year. No overload is available.

All 3 phase ratings at 0.8 Power Factor.

### STANDARD REFERENCE CONDITIONS

Output ratings are based on gensets operating at: 25°C (77°F) air inlet temperature, 100kPa barometric pressure [100m (328ft) altitude] and 30% relative humidity.
For de-rating, please contact G&M TEX sales Department.

### NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data sheet or consult G&M TEX Sales Department. Specifications and design subject to change without notice.

**For updates refer to our website, www.gmtex.co.uk**

***BCMU 2800P-50:***
*engine 20V 4000 G63, alternator LVSI 804 S2*

# Specifications and Options

G&M TEX offers a comprehensive range of mechanical and electrical options for all generator sets.

**The table opposite shows the main specifications for each standard generator set model and the options available.**

**Load transfer panels**

A range of automatic load transfer panels is also available. these incorporate either 3 pole or 4 pole electrically and mechanically interlocked contactors or circuit breakers (from 25 amps to 6300 amps) which are CE Compliant.

**Special requirements**

If you do not see exactly what you want, contact our sales department or local regional sales office. We can meet special requirements such as:

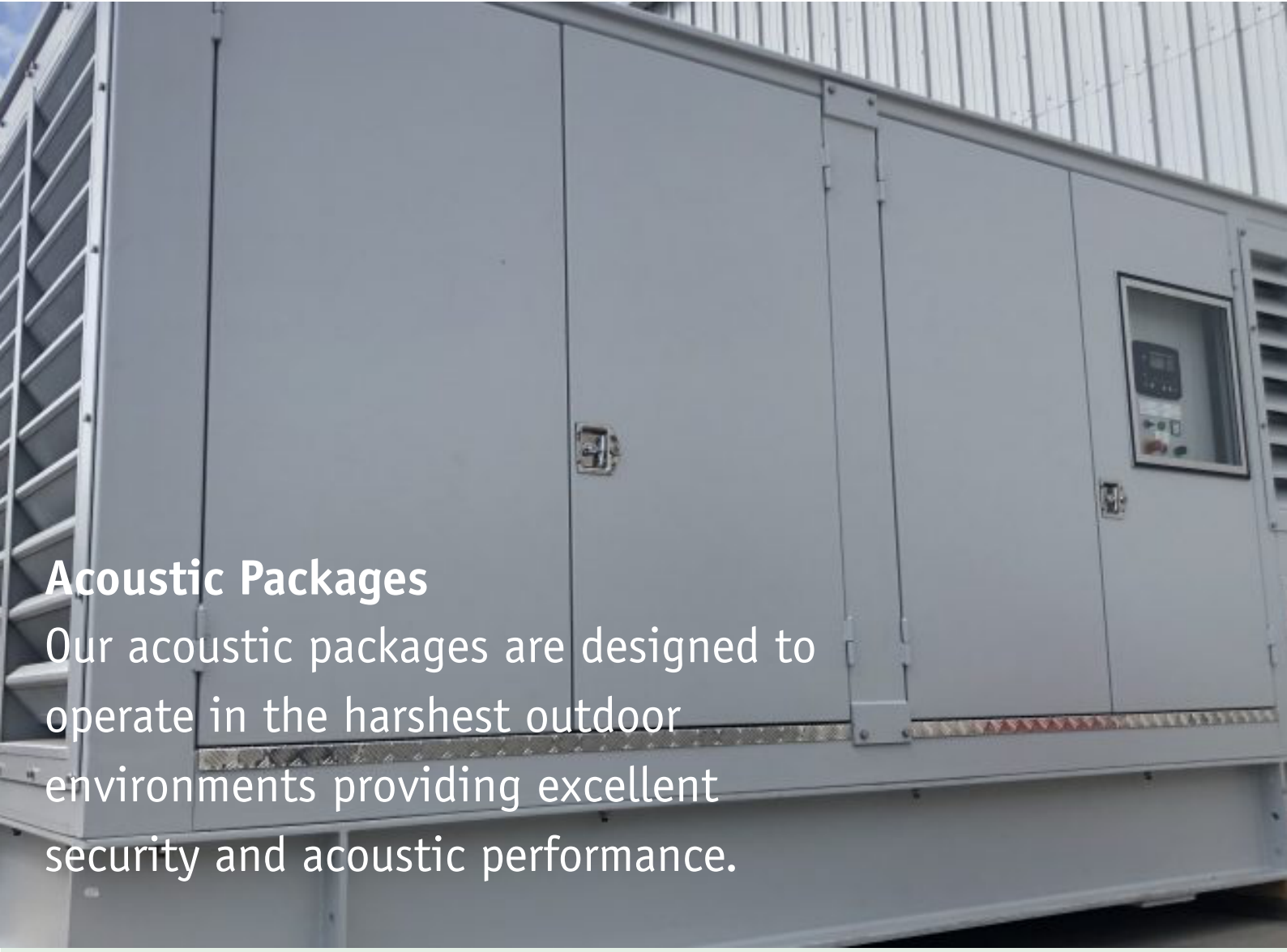
- Generator sets in excess of 3350kVA Standby Power
- Multi-set installations
- HV generation
- Stringent noise levels
- Remote cooling
- Bespoke control panels using alternative generator set controllers or with PLC control
- Special acoustic enclosure design
- Alternative engine and alternator combinations

We will work with you to provide precisely the right power solution.

# Specifications and Options

| | | Midi Range | John Deere Range | Volvo Range | Cummins Range | Mitsubishi Range | Perkins Range | MTU |
|---|---|---|---|---|---|---|---|---|
| **Engine** | 4-stroke water cooled diesel engine | ● | ● | ● | ● | ● | ● | ● |
| | Mechanical governor | ▼ | ▼ | | ▼ | | | |
| | Electronic governor | ▼ | ▼ | ● | ▼ | ● | ● | ● |
| | Air intake heater or glow plug | ▼ | ▼ | ❍ | ❍▼ | | | |
| | Lub oil drain valve | ● | ● | ● | ● | ● | ● | ● |
| | Lub oil drain extended to baseframe | ❍ | ❍ | ❍ | ❍▼ | | | |
| | Manual lub oil drain pump | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Coolant drain extended to edge of baseframe | ❍ | ❍ | ❍ | | | | |
| | First fill of lub oil | ● | ● | ● | ● | ● | ● | ● |
| | Standard air filter | ● | ● | ● | ● | ● | ● | ● |
| | Medium duty air filter | ▼ | ❍ | ❍ | | | | |
| | Fuel filter a d water separator | ● | ❍ | ● | ❍ | ❍ | ❍ | ❍ |
| | Exhaust manifold guard | | ❍ | ❍ | ▼ | | ❍ | ❍ |
| | Coolant heater | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Automatic lub oil refill system | | | | ❍▼ | ❍ | ❍ | ❍ |
| **Radiator** | Engine driven radiator | ● | ● | ● | ● | ● | ● | ▼ |
| | Fan guards | ● | ● | ● | ● | ● | ● | ● |
| | Coolant drain valve | ● | ● | ● | ● | ● | ● | ● |
| | First fill of coolant / antifreeze | ● | ● | ● | ● | ● | ● | ● |
| | Low level vent and fill pipework | | | | ❍▼ | ❍ | ❍ | ❍ |
| | Low level manual fill pump | | | | ❍▼ | ❍ | ❍ | ❍ |
| **Alternator** | Single bearing alternator | ● | ● | ● | ▼ | ● | ● | ▼ |
| | Class H insulation system and Class H temperature rise | ● | ● | ● | ● | ● | ● | ● |
| | IP23 Protection | ● | ● | ● | ● | ● | ● | ● |
| | Automatic Voltage Regulator with 1% voltage regulation | ● | ● | ● | ▼ | | ▼ | ▼ |
| | Automatic Voltage Regulator with 0.5% voltage regulation | | ❍ | ❍ | ▼ | ● | ▼ | ▼ |
| | PMG excitation | | ❍ | ❍ | ▼ | ● | ● | ● |
| | Anti condensation heater | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Quadrature droop kit | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Air inlet filter | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Thermistor probes and control box | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| **General** | Powder coated fabricated steel baseframe | ● | ● | ● | ● | ● | ● | ● |
| | Built in anti-vibration mountings | ● | ● | ● | ▼ | ● | ▼ | ● |
| | Crane and fork lifting points depending on model | ● | ● | ● | ● | ● | ● | ● |
| | Operation and maintenance manual | ● | ● | ● | ● | ● | ● | ● |
| | Operation and maintenance manual (additional copies) | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Standard colour (black/yellow) | ● | ● | ● | ● | ● | ● | ● |
| | Output 3 pole circuit breaker | ● | ● | ● | ▼ | ❍ | ❍ | ▼ |
| | Works test | ● | ● | ● | ● | ● | ● | ● |
| | Genset packed under heavy duty shrink wrap plastic | ● | ● | ● | ● | ● | ● | ● |
| | Control Panel | ● | ● | ● | ● | ● | ● | ● |
| | Acousic enclosure | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| **Exhaust** | Industrial 15dBA reduction silencer supplied loose | ● | ● | ● | ▼ | ❍ | ❍ | ❍ |
| | Industrial 15dBA reduction silencer not supplied - price reduction | | ❍ | ❍ | ❍▼ | | | |
| | Residential 24dBA reduction silencer supplied loose | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Critical 35dBa reduction silencer supplied loose | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Flexible bellows supplied loose | ● | ● | ● | ▼ | ❍ | ❍ | ❍ |
| | Set of connection flanges for silencer/bellows | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| **Starting** | 12VDC electric starter motor | ● | ● | | ▼ | | | |
| | 24VDC electric starter motor | | | ● | ▼ | ● | ● | ● |
| | Battery charging alternator | ● | ● | ● | ● | ● | ● | ● |
| | Engine starting battery with cables and battery tray | ● | ● | ● | ● | ● | ● | ● |
| | Wet type batteries instead of dry (not available with sea freight | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Non-supply of batteries – price reduction | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| **Fuel** | Integral single skin fuel tank within baseframe | ● | ● | ● | ▼ | | ❍▼ | ❍▼ |
| | Flexible fuel feed and return lines | ● | ● | ● | ● | ● | ● | ● |
| | Baseframe with integral bund (without fuel tank) | | | | ❍▼ | ❍ | ❍ | ❍ |
| | Baseframe with integral bund and drop in fuel tank | | ❍ | ❍ | ❍▼ | | ❍▼ | ❍▼ |
| | Low fuel level switch – single point | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Fuel level switch – four point | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Manual fuel transfer pump | | ❍ | ❍ | ❍ | | ▼ | ▼ |
| | Fuel transfer system – Option 1 Gravity System | | ❍ | ❍ | ❍ | | ▼ | ▼ |
| | Fuel transfer system – Option 2 Electric Pump System | | ❍ | ❍ | ❍ | | ▼ | ▼ |
| | Fuel transfer system – Option 3 Gravity and Pump System | | ❍ | ❍ | ❍ | | ▼ | ▼ |

● Standard Equipment
❍ Available as an option
▼ Model Dependent (refer to G&M TEX Sales Department)



# Acoustic Packages

Our acoustic packages are designed to operate in the harshest outdoor environments providing excellent security and acoustic performance.

**Acoustic canopies**
We have developed a standard range of acoustic canopies for generator sets up to 700kVA.

**Finish**
All our steel canopy components are pre-treated and polyester powder coated (to a typical thickness of 70-80µm) in RAL9001 white and all baseframes are finished in RAL9005 black. This, along with zinc-plated fasteners and neoprene seals combine to produce a very durable and attractive finish.

**Performance**
Our canopies are designed to meet the requirements of EU Legislation 2000/14/EC. this performance level is met by the extensive use of fi e-retardant polyurethane foam and efficient management of cooling air .exhaust noise is minimized by high -performance silencers mounted internally.

**Integrated fuel tank**
A steel fuel tank, complete with filler, gauge and accessory points, is integrated within the baseframe on all canopies except Midi. Alternatively, we can provide baseframes with a bund and separate tank. The Midi canopies have a compact tank moulded in tough polypropylene with visual level indication and are mounted within the baseframe.

**Key features include:**
- Gull-wing or side opening doors
- Panel/breaker access door with viewing window
- Heavy duty locks on all doors
- Weather cap on exhaust discharge
- Emergency Stop button on canopy exterior
- Lifting and holding down points
- Fork Lift pockets (up to Canopy 4A)
- Single roof lifting point (available on certain models only)

# Acoustic Packages

## STANDARD PRODUCT RANGES 6kVA–2000kVA

### Acoustic Containers

Our acoustic containers are attractive, robust, easy to transport and deliver effective acoustic performance.

These container packages are based on standard ISO 20 ft and 40 ft high cube shipping containers for ease of transport by sea or land.

### Construction

Our acoustic containers are fully welded and fitted with rock wool and a perforated zintec steel lining to achieve greater acoustic performance. The internally mounted silencers are custom designed to reduce exhaust noise. A two-pack polyurethane paint system provides a durable finish a d all doors are fitted with h gh-security locks.

### Fuel tank

Some models (dependent on engine type) can be supplied with integral fuel tank.

### Options include

- Interior lighting and small power
- Motorised air inlet/outlet dampers
- External fuel connections
- External auxiliary power connections
- Lub oil make-up tank
- CSC Plating

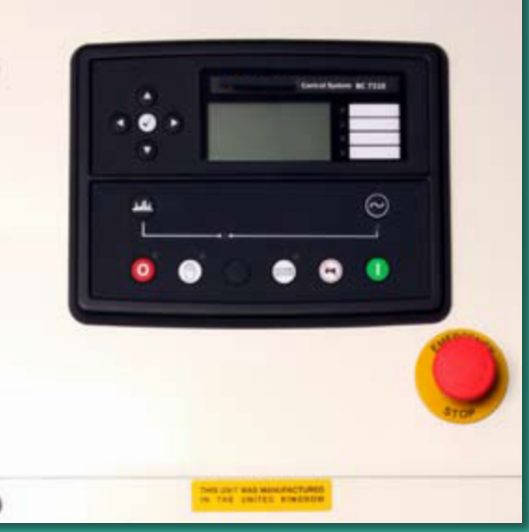
| | Enclosure Type | Dimensions (mm) (L x W x H) | Weight (kg)* | Typical Sound Pressure Level | | Fuel Tank Capacity (litres) | | Single Centre Point Lift |
|---|---|---|---|---|---|---|---|---|
| | | | | dB(A)@1m | dB(A)@7m | Integral | Bunded | |
| M1 | Midi 1 Canopy | 1810 x 950 x 1190 | 125 | 73 | 63 | 55 | — | ● |
| M2 | Midi 2 Canopy | 2110 x 890 x 1240 | 195 | 74 | 64 | 95 | — | ❍ |
| C1 | Canopy 1 | 2270 x 890 x 1620 | 235 | 77 | 67 | 115 | 100 | ❍ |
| C2 | Canopy 2 | 2800 x 1110 x 1790 | 450 | 78 | 68 | 240 | 200 | ❍ |
| C3 | Canopy 3 | 3550 x 1160 x 1800 | 725 | 80 | 70 | 460 | 400 | |
| C4 | Canopy 4 | 3940 x 1300 x 1940 | 770 | 80 | 70 | 570 | 500 | |
| C4A | Canopy 4A | 4000 x 1440 x 2120 | 1150 | 80 | 70 | 665 | 615 | |
| C5 | Canopy 5 | 5200 x 1740 x 2200 | 2400 | 77 | 67 | 985 | 895 | ❍ |
| C6 | Canopy 6 | 5500 x 1740 x 2360 | 2950 | 80 | 70 | 1025 | 895 | ❍ |
| C7 | Canopy 7 | 5900 x 2040 x 2480 | 3520 | 80 | 70 | 1430 | 1300 | ❍ |
| ISO-20 | ISO 20ft Container | 6060 x 2440 x 2770 | — | 80 | 70 | — | — | |
| ISO-20 HC | ISO 20ft Container 'High Cube' | 6060 x 2440 x 3075 | — | 80 | 70 | — | — | |
| ISO-40 HC | ISO 40ft Container 'High Cube' | 12200 x 2440 x 3075 | — | 80 | 70 | — | — | |

Typical SPL is a mean level, measured in free field conditions, with no contributory background noise.

● Standard equipment

❍ Available as an option

* Indicative weight additional to open set



*BC 7210E-M*

# Control Panels:
# Midi Range generator sets

Our control panels combine user friendly interfaces with detailed management functionality.

**We equip all of our Midi Range generator sets with a baseframe-mounted control panel. Each control panel incorporates a Deep Sea control module together with integral stand and circuit breaker ensuring a dependable and user-friendly operating system.**

**BC 7210E-M Manual and Auto Start**
This is an entry level digital control system, which provides manual and remote control of the generator set, with operating parameters clearly shown on a LCD display. Full power monitoring and protection facilities are incorporated including display of kW, kVA and power factor.

**BC 7210-M Manual and Auto Start**
Cost effective with all the features of the BC 7210E-M plus digital display of water temperature and oil pressure.

**BC 7310-M Manual and Auto Start plus Telemetry**
All the features of the BC 7210-M plus data communication, this system enables full telemetry via the RS 232/485 interfaces. Facility to integrate with SAE J1939 CANBus is also included.

**BC 7320-M Auto Mains Failure**
All the features of the BC 7310 plus full AMF functionality with integrated mains monitoring.

**BC 701E-M Manual Start with Key Control**
A popular basic control panel, this provides manual control of the generator set giving essential machine protection and analogue displays of volts and amps.

**BC 701-M Manual Start with Key Control**
All the features of the BC 701E-M plus analogue engine instruments and a frequency meter.

| Range | BC 701E-M | BC 701-M | BC 7210E-M | BC7210-M | BC7310-M | BC7320-M |
|---|---|---|---|---|---|---|
| 'Midi' Range | | | | | | |
| Mitsubishi | ❍ | ❍ | ● | ❍ | ❍ | ❍ |
| John Deere | ❍ | ❍ | ● | ❍ | ❍ | ❍ |
| Lister | ❍ | ❍ | ● | ❍ | ❍ | ❍ |
| Yanmar | ❍ | ❍ | ● | ❍ | ❍ | ❍ |
| Cummins | ❍ | ❍ | ● | ❍ | ❍ | ❍ |

● Standard equipment
❍ Available as an option

# Control Panels for Midi Range

STANDARD SPECIFICATIONS

| | Features | | BC 701E-M | BC 701-M | BC 7210E-M | BC 7210-M | BC 7310-M | BC 7320-M |
|---|---|---|---|---|---|---|---|---|
| **Deep Sea Control Module** | 701 Key Start | | ● | ● | | | | |
| | 7210 Digital Auto Start | | | | ● | ● | | |
| | 7310 Digital Auto Start | | | | | | ● | |
| | 7320 Digital Auto Mains Failure | | | | | | | ● |
| **Engine Instruments** | Coolant Temperature - Analogue | | | ● | | | | |
| | Lub. Oil Pressure - Analogue | | | ● | | | | |
| | Engine Hours Counter - Analogue | | ● | ● | | | | |
| | Battery Charge Amps - Analogue | | | ● | | | | |
| | Coolant Temperature - Digital | | | | | ● | ● | ● |
| | Lub. Oil Pressure - Digital | | | | | ● | ● | ● |
| | Engine Hours Counter - Digital | | | | ● | ● | ● | ● |
| | Battery Volts - Digital | | | | ● | ● | ● | ● |
| **Engine Protection** | Low Oil Pressure Shutdown | | ● | ● | ● | ● | ● | ● |
| | Low Oil Pressure Pre-Alarm | | | | ● | ● | ● | ● |
| | High Water Temperature Shutdown | | ● | ● | ● | ● | ● | ● |
| | High Water Temperature Pre-Alarm | | | | ● | ● | ● | ● |
| | Low Fuel Level (incl. volt free contact) | [1] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Underspeed | | | | ● | ● | ● | ● |
| | Overspeed | | ● | ● | ● | ● | ● | ● |
| | Cool Down Timer | | | | ● | ● | ● | ● |
| | Fail to Start Indication | | | | ● | ● | ● | ● |
| | Charge Alternator Fail Warning | | ● | ● | ● | ● | ● | ● |
| | Low / High Battery Volts (alarm) | | | | ● | ● | ● | ● |
| **Generator Instruments** | Voltmeter - Analogue | | ● | ● | | | | |
| | Ammeter - Analogue | | ● | ● | | | | |
| | 4-Position Ammeter Selector Switch | | ● | ● | | | | |
| | Frequency Meter - Analogue | | | ● | | | | |
| | Volts, Amp, Frequency - Digital | | | | ● | ● | ● | ● |
| | kW, kVA, pf - Digital | | | | ● | ● | ● | ● |
| **Generator Protection** | Under & Over Volts (pre-alarm & shutdown) | | | | ● | ● | ● | ● |
| | Over Current (shutdown) | | | | ● | ● | ● | ● |
| **Other Key Features** | Emergency Stop | | ● | ● | ● | ● | ● | ● |
| | Battery Charger & Control Switch | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Engine Heater & Control Switch | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Preheat - Air intake heater / Glow Plug | [2] [3] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Telemetry Facility | | | | | | ● | ● |
| | Integrated Mains Monitoring | | | | | | | ● |
| **Volt Free Contacts** | Battery Charger Fail | | ❍ | ❍ | ❍ | ❍ | ❍ | |
| | Generator Running | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Common Alarm | [2] | | | ❍ | ❍ | ❍ | ❍ |
| | System in Auto | [2] | | | ❍ | ❍ | ❍ | |
| | Telemetry Active | [2] | | | | | ❍ | |
| | Charge Alternator Fail | [2] | | | ❍ | ❍ | ❍ | |
| | Available Auxiliary Inputs / Outputs | | 1 / - | 1 / - | 4 / 3 | 4 / 3 | 6 / 3 | 6 / 3 |

[1] Auxiliary Input Required
[2] Auxiliary Output Required
[3] Standard on Yanmar & Mitsubishi

● Standard Equipment
❍ Available as an option

NB: If the number of protection options exceeds the number of available inputs, discreet fault indications cannot be provided.

*BC 7210*

# Control Panels:
# Standard Range generator sets

Our control panels extend from models offering basic manual and remote control to full synchronisation of multiple sets.

**We equip all of our Standard range o f generator sets with a baseframe-mounted control panel. Each control panel incorporates a Deep Sea control module together with integral stand and circuit breaker ensuring a dependable and user-friendly operating system.**

**BC 7210 Manual and Auto Start**
This is an entry level digital control system, which provides for manual and remote control of the generator set, with operating parameters clearly shown on a LCD display. Full power monitoring and protection facilities are incorporated including display of kW, kVA and power factor.

**BC 7310 Manual and Auto Start plus Telemetry**
All the features of the BC 7210 plus data communication, this system enables full telemetry via the RS 232/485 interfaces. Facility to integrate SAE J1939 CANBus is also included. All engines with onboard ECU/CANBus have this control as standard.

**BC 7320 Auto Mains Failure**
All the features of the BC 7310 plus full AMF functionality with integrated mains monitoring.

**BC 7510 Synchronising (set to set)**
In order to meet the ever more challenging requirements of multi-set operation, this control system affords set-to-set synchronisation and load sharing.

**BC 7520 Synchronising (single set to mains)**
This control system is used for a single set to be synchronised with the mains supply giving a no break return together with soft load transfer.

**BC 701 Manual Start with Key Control**
A popular basic control panel which provides for the manual control of the generator set giving essential machine protection and analogue displays of basic operating parameters.

**BC 7560 Synchronising (multi set to mains)**
This is a separate control unit which enables multiple BC 7510 equipped sets to be synchronised with the mains supply.

| Features | BC 701 | BC 7210 | BC 7310 | BC 7320 | BC 7510 | BC 7520 |
|---|---|---|---|---|---|---|
| **John Deere** | | | | | | |
| BCJD 22-50 to 275-50<br>BCJD 15-50SP to 74-50SP<br>BCJD 42-50 E2 to 64-50 E2<br>BCJD 15-50SP E2 to 45-50SP E2 | ❍ | ● | ❍ | ❍ | ❍ | ❍ |
| BCJD 330-50 to 440-50<br>BCJD 88-50 E2 to 330-50 E2 [C]<br>BCJD 60-50SP E2 to 74-50SP E2 | | | ● | ❍ | ❍ | ❍ |
| **Volvo** | | | | | | |
| All BCV models [C] | | | ● | ❍ | ❍ | ❍ |
| **Cummins** | | | | | | |
| BCC 39-50, 44-50, 55-50, 64-50, 55-50 E2,<br>BCC 110-50, 138-50, 175-50, 330-50, 350-50, 400-50<br>BCC 650P-50, 700S-50, 1000P-50<br>BCC 1100S-50, 1250P-50, 1400S-50<br>BCC 1400P-50, 1500P-50, 1660S-50<br>BCC 32-50 SP, 40-50 SP, 48-50 SP, 75-50 SP, 100-50SP | | ● | ❍ | ❍ | ❍ | ❍ |
| BCC 92-50 E3A to 330-50 E3A<br>BCC 440-50 E2 to 550-50 E2<br>BCC 650P-50 L, 700S-50 L, 800P-50, 850S-50<br>BCC 1010P-50, 1110S-50, 1410S-50<br>BCC 1540P-50 L, 1700S-50 L<br>BCC 1875P-50, 2000S-50, 1825P-50 L, 2000S-50 L [M]<br>BCC 2000P-50, 2250S-50, 2000P-50 L, 2250S-50 L<br>BCC 2200P-50, 2360S-50, 2500P-50, 2750S-50<br>BCC 2750P-50, 3050S-50<br>BCC 1275P-50, 1400S-50<br>BCC 65-50 SP E3A, 75-50 SP 3EA | | | ● | ❍ | ❍ | ❍ |
| **MTU** | | | | | | |
| All BCMU models [C] | | | ● | ❍ | ❍ | ❍ |
| **Perkins** | | | | | | |
| All BCP models. | | | ● | ❍ | ❍ | ❍ |
| **Mitsubishi** | | | | | | |
| All BCM models | | ● | ❍ | ❍ | ❍ | ❍ |

● Standard equipment
❍ Available as an option
[C] SAE J1939 CANBus Interface
[M] MODBus / RS485 Interface

# Control Panels for Standard Range

STANDARD SPECIFICATIONS

| | Features | | BC 701 | BC 7210 | BC 7310 | BC 7320 | BC 7510 | BC 7520 |
|---|---|---|---|---|---|---|---|---|
| Deep sea Control Module | 701 Key Start | | ● | | | | | |
| | 7210 Digital Auto Start | | | ● | | | | |
| | 7310 Digital Auto Start CANBus | | | | ● | | | |
| | 7320 Digital Auto Mains Failure CANBus | | | | | ● | | |
| | 7510 Digital - Set~Set Synchronisation | | | | | | ● | |
| | 7520 Digital - single Set~Mains Synch. | | | | | | | ● |
| | 7560 Module - Multi Set~Mains Synch. | | | | | | ❍ | |
| engine Instruments | Coolant Temperature - Analogue | | ● | | | | | |
| | Lub. Oil Pressure - Analogue | | ● | | | | | |
| | Lub. Oil Temperature - Analogue | | ❍ | | | | ❍ | ❍ |
| | Engine Hours Counter - Analogue | | ● | | | | | |
| | Battery Charge Amps - Analogue | | ● | | | | | |
| | Coolant Temperature - Digital | | | ● | ● | ● | ● | ● |
| | Lub. Oil Pressure - Digital | | | ● | ● | ● | ● | ● |
| | Lub. Oil Temperature - Digital | [3] | | | ❍ | ❍ | | |
| | Engine Hours Counter - Digital | | | ● | ● | ● | ● | ● |
| | Battery Volts - Digital | | | ● | ● | ● | ● | ● |
| Engine Protection | Low Oil Pressure Shutdown | | ● | ● | ● | ● | ● | ● |
| | Low Oil Pressure Pre-Alarm | | | ● | ● | ● | ● | ● |
| | High Oil Temp Alarm or Shutdown (incl. visual indication) | [1][3] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | High Water Temperature Shutdown | | ● | ● | ● | ● | ● | ● |
| | High Water Temperature Pre-Alarm | | | ● | ● | ● | ● | ● |
| | Low Coolant Level Alarm or Shutdown | [1] [3] | | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Low Fuel Level (incl. volt free contact) | [1] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Fuel Leak Detection (only with bunded tank option) | [1] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Underspeed | | | ● | ● | ● | ● | ● |
| | Overspeed | | ● | ● | ● | ● | ● | ● |
| | Cool Down Timer | | | ● | ● | ● | ● | ● |
| | Fail To Start Indication | | | ● | ● | ● | ● | ● |
| | Charge Alternator Fail Warning | | ● | ● | ● | ● | ● | ● |
| | Low / High Battery Volts (alarm) | | | ● | ● | ● | ● | ● |
| Generator Instruments | Analogue Voltmeter with 7-Position Selector Switch | | ● | | | | | |
| | Analogue Ameter with 4-Position Selector Switch | | ● | | | | | |
| | Analogue Frequency Meter | | ● | | | | | |
| | Volts, amps, Frequency - Digital | | | ● | ● | ● | ● | ● |
| | kW, kVA, pf - Digital | | | ● | ● | ● | ● | ● |
| Generator Protection | Under & Over Volts (pre-alarm & shutdown) | | | ● | ● | ● | ● | ● |
| | Over Current (Shutdown) | | | ● | ● | ● | ● | ● |
| | Breaker Tripped (shutdown) / Shunt Trip Via Controller | [1] [2] | | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Earth Fault Protection - Restricted / Un-restricted | | | ❍ | ❍ | ❍ | ❍ | ❍ |
| Other Key Features | Emergency Stop | | ● | ● | ● | ● | ● | ● |
| | Battery Charger & Control Switch | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Engine Heater & Control Switch | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Preheat - Air intake heater / Glow Plug | [2] | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | SAE J1939 CANBus Interface | [3] | | | ● | ● | ● | ● |
| | Integrated Mains Monitoring | | | | | ● | | ● |
| | Telemetry Facility | | | | ● | ● | ● | ● |
| Volt Free Contacts | Battery Charger Fail | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Generator Running | | ❍ | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Common Alarm | [2] | | ❍ | ❍ | ❍ | ❍ | ❍ |
| | System In Auto | [2] | | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Telemetry Active | [2] | | | ❍ | ❍ | ❍ | ❍ |
| | Charge Alternator Fail | [2] | | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Low Battery Volts | [2] | | | ❍ | ❍ | ❍ | ❍ |
| | Generator Contactor (ready to load) | | | ● | ● | | ● | |
| | Mains + Generator 'Contactor' Control | | | | | ● | | ● |
| | Mains + Generator 'Breaker' Control | | | | | | | ❍* |
| | Available Auxiliary Inputs / Outputs | | 1 / – | 4 / 4 | 6 / 4 | 6 / 4 | 5 / 2** | 4 / 3** |
| | Relay Expansion Board (max 8 outputs) | | | | ❍ | ❍ | ❍ | ❍ |

[1] Auxiliary input required
[2] Auxiliary output required
[3] Standard on engines with J1939 canbus only (no input required)

● Standard Equipment
❍ Available as an option
* Only one auxiliary output available with this option
** Relay expansion board standard on BCV models — additional 6 auxiliary outputs available.

NB: If the number of auxiliary outputs required exceeds the number available, select in addition the relay expansion board option (E114-11)


*Remote start*

# Control Panels:
# Large Bespoke generator sets

these control panels combine the ultimate in sophisticated operation with straightforward user interfaces.

**This series of control panels use modular and standard components specifically designed for large, bespoke generator sets**

**Control Panel**
All control panels are set mounted. they provide the highest degree of reliability and user-friendly operation. The control panel contains an integrated generator set controller that combines all the necessary control, protection and instrumentation for a generator set in one compact unit. A comprehensive display of instrumentation, alarms and parameters is shown on a graphical LCD screen with the various alarms and control settings easily adjustable.

**Entry Level**
The entry level for the market is a remote start system, however, generator sets can be provided with alternative control panels offering automatic Mains Failure (AMF) capability and synchronising facilities.

**Additional Models**
Further models include multi-set synchronisation and load sharing functions together with single set-to-mains supply synchronisation, and multi-set-to-mains supply synchronisation. Network (G59) protection is also available by the addition of an integrated protection relay for generator sets operating in parallel with the mains supply.

**Controllers**
We offer generator set controllers with additional facilities dependent on the model, such as MODBUS protocol for remote interrogation by BMS/SCADA systems, a 100+ record data log/history file for recording alarms/control events and an engine service interval timer to indicate engine service due date.

Please refer to the detailed specifications to check standard features and see available options.

# Control Panels for Large Bespoke generator sets

STANDARD SPECIFICATIONS

| | Features | Remote Start | AMF | Generator Parallel | Mains Parallel (Single Set) | Mains Parallel (Multi-Set) |
|---|---|---|---|---|---|---|
| **Control Function** | Remote Start Control | ● | | | | |
| | AMF Control | | ● | | | |
| | Set to set synchronisation | | | ● | | |
| | Single Set to mains supply synchronisation | | | | ● | |
| | Multi-set to mains supply synchronisation | | | | | ● |
| **Engine Instruments** | Coolant Temperature | ● | ● | ● | ● | ● |
| | Lub. Oil Pressure | ● | ● | ● | ● | ● |
| | Lub. Oil Temperature | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Counters - Engine Hours/Starts/Service Due | ● | ● | ● | ● | ● |
| | Battery Volts | ● | ● | ● | ● | ● |
| | Engine Speed RPM | ● | ● | ● | ● | ● |
| | Exhaust Temperature | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Fuel Level | ❍ | ❍ | ❍ | ❍ | ❍ |
| **Engine Protection** | Low Oil Pressure Pre-Alarm & Shutdown | ● | ● | ● | ● | ● |
| | High Oil Temp Pre-Alarm | ❍ | ❍ | ❍ | ❍ | ❍ |
| | High Oil Temp Shutdown | ❍ | ❍ | ❍ | ❍ | ❍ |
| | High Water Temperature Pre-Alarm & Shutdown | ● | ● | ● | ● | ● |
| | Low Coolant Level Shutdown | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Low Coolant Temperature Shutdown | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Battery Voltage Alarm | ● | ● | ● | ● | ● |
| | Fail to Start | ● | ● | ● | ● | ● |
| | Overspeed | ● | ● | ● | ● | ● |
| | Low Fuel Level Pre-Alarm | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Low Fuel Level Shutdown | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Fire Valve Operated Shutdown | ❍ | ❍ | ❍ | ❍ | ❍ |
| **Generator Instruments** | Voltage, Ph-Ph & Ph-N | ● | ● | ● | ● | ● |
| | Current L1, L2, L3 | ● | ● | ● | ● | ● |
| | Frequency | ● | ● | ● | ● | ● |
| | Kilowatts | ● | ● | ● | ● | ● |
| | kWh, kVA, kVAr, kVArh, Power Factor | ● | ● | ● | ● | ● |
| | Bus Voltage | | | ● | | |
| | Bus Frequency | | | ● | | |
| **Mains Inst** | Mains Voltage | | ● | | ● | ● |
| | Mains Frequency | | ● | | ● | ● |
| | Mains kW, kVAr, Power Factor | | | | ● | ● |
| **Generator Protection** | Undervoltage & Overvoltage | ● | ● | ● | ● | ● |
| | Underfrequency & Overfrequency | ● | ● | ● | ● | ● |
| | Overcurrent (instantaneous) & IDMT | ● | ● | ● | ● | ● |
| | Overload | ● | ● | ● | ● | ● |
| | Current & Voltage Imbalance | ● | ● | ● | ● | ● |
| | Phase Rotation | ● | ● | ● | ● | ● |
| | Restricted Earth Fault | ❍ | ❍ | ❍ | ❍ | ❍ |
| | High Alternator Winding Temperature | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Circuit Breaker Tripped | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Reverse Power | | | ● | ● | ● |
| | Fail to synchronise | | | ● | ● | ● |
| **Mains Protection** | Under & Over Voltage | | ● | | ● | ● |
| | Under & Over Frequency | | ● | | ● | ● |
| | Voltage Imbalance | | ● | | ● | ● |
| | Phase Rotation | | ● | | ● | ● |
| **Other Key Features** | Off/Man/Auto Control | ● | ● | ● | ● | ● |
| | Start/Stop/Fault Reset Pushbuttons | ● | ● | ● | ● | ● |
| | Emergency Stop | ● | ● | ● | ● | ● |
| | Mode Lock Key Switch | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Engine Speed Control (for synch and load control) | | | ● | ● | ● |
| | Alternator Voltage Control (for voltage matching and PF control) | | | ● | ● | ● |
| | Manual Mains and Generator Circuit Breaker Operation | | | ● | ● | ● |
| | Engine Heater Controls | ● | ● | ● | ● | ● |
| | Alternator Heater Controls | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Panel Heater Controls | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Battery Charger Controls | ● | ● | ● | ● | ● |
| | Generator Available & Not In Auto Indication | ● | ● | ● | ● | ● |
| | Ready For Load Signal (volt free contact) | ● | | | | |
| | Generator Breaker Control (volt free contact) | | ● | ● | ● | ● |
| | Mains Breaker Control (volt free contact) | | ● | | ● | ● |
| | Common Alarm Signal (volt free contact) | ● | ● | ● | ● | ● |
| | Generator Running Signal (volt free contact) | ❍ | ❍ | ❍ | ❍ | ❍ |
| | Maintenance Attention Required Signal (volt free contact ) | ● | ● | ● | ● | ● |
| | Audible Alarm Sounder | ❍ | ❍ | ❍ | ❍ | ❍ |
| | RS232 Port (MODBUS Protocol) * | ❍ | ❍ | ● | ● | ● |
| | Data Log Facility | | | ● | ● | ● |
| **Additional Modules** | **Network (G59) Protection Relay** | | | | | |
| | Under/Over Voltage and Frequency | | | | ❍ | ❍ |
| | Voltage Assymetry | | | | ❍ | ❍ |
| | Phase Rotation | | | | ❍ | ❍ |
| | Vector Shift | | | | ❍ | ❍ |
| | Mains Reverse Power | | | | ❍ | ❍ |
| | **Mains Control Module** | | | | | |
| | Mains synchroniser and load control | | | | | ● |

● Standard Equipment
❍ Available as an option

* Not available on some Cummins engines – refer to factory.

Semi-submersible drilling rig hosing G&M bespoke generators

**G&M TEX** is independently owned and managed. When you contact us you are talking to friendly people who will work with you to meet your specific needs.

**Our generator set range includes:**

- **Diesel and gas powered**
- **Trailer mounted, diesel powered**
- **Gas and co-generation**
- **Oil and gas**
- **Marine**
- **Medium speed**
- **Gas turbines**
- **Bespoke**
- **Rental**

We also provide a wide range of static and rotary Uninterruptible Power supply (UPS) systems.

**Production Facilities**

All G&M TEX products are designed and manufactured in our purpose-built factories at our corporate headquarters in Claydon Business Park, Great Blakenham, Ipswich, Suffolk, UK.

Brochures are available for all our products and services on our website, www.gmtex.co.uk

Emergency generators for British Royal Navy T45 destroyer

CAIGATETEX
ENERGY SOLUTIONS

## MEET THE TEX HOLDINGS PLC


**G&M Tex Ltd.**
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Tex Holdings PLC is the Holding Company of a UK manufacturing group within engineering, plastics and boards & panels markets

**ADR Sales Ltd**
ADR Sales Ltd offers airfield damage repair services within the concept of "Survive to Operate".

**BSP IF Ltd**
BSP International Foundations is one of the world's premier manufacturers of hydraulic piling hammers.

**Eurotex Ltd**
Eurotex International is a globally recognised LR Accredited marine engine refurbishment specialist.

**G&M TEX Ltd**
G&M TEX produces bespoke, world-class AC Generators for the marine, industrial and offshore markets.

**TEX ATC**
Tex ATC is a world-renowned air traffic control tower room designers.

**Tex Engineering Ltd**
Tex Engineering manufactures construction equipment for the highways and utilities industry.

**Tex Plastics**
Tex Plastics is the UK's foremost specialist injection moulding manufacturer.

**TEX Special Projects**
Tex Special Projects researches and develops for leading edge engineering consultancies.

**QK Honeycomb**
QK Honeycomb Products manufactures beautiful and innovative lightweight honeycomb panels.

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