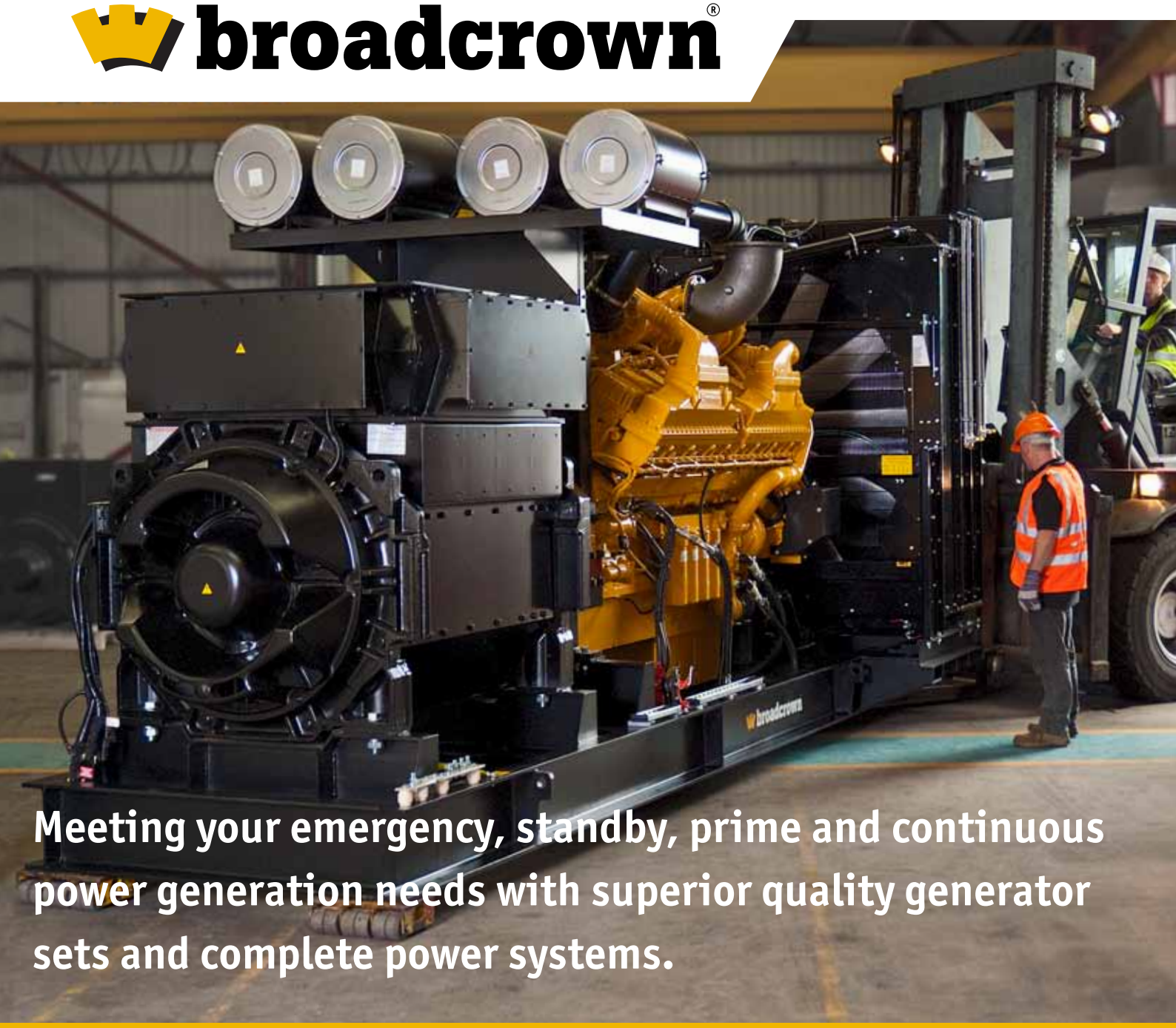
broadcrown®

leading world power

50Hz Generator Sets

AUGUST 2012

broadcrown®



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

Broadcrown is a **leading global manufacturer** of generator sets and a provider of complete power generation systems.

We have **over 35 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.

Broadcrown 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 **the highest 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 for 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.

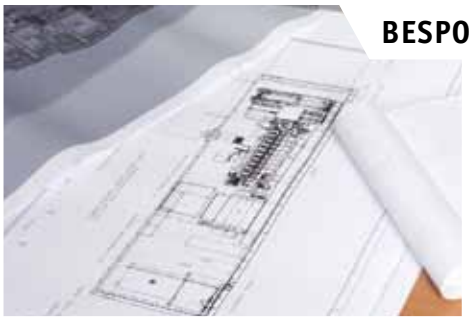
contents

50Hz diesel generator sets

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

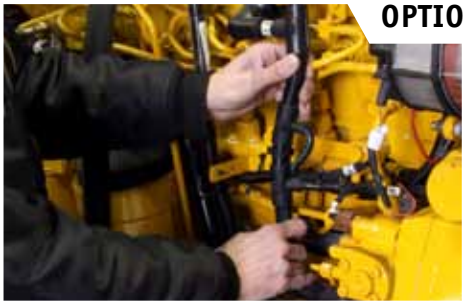
This brochure provides the main specifications and options available for models in our 50Hz diesel product ranges.

More information on our comprehensive product range plus technical updates can be found on our website **www.broadcrown.com**



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—

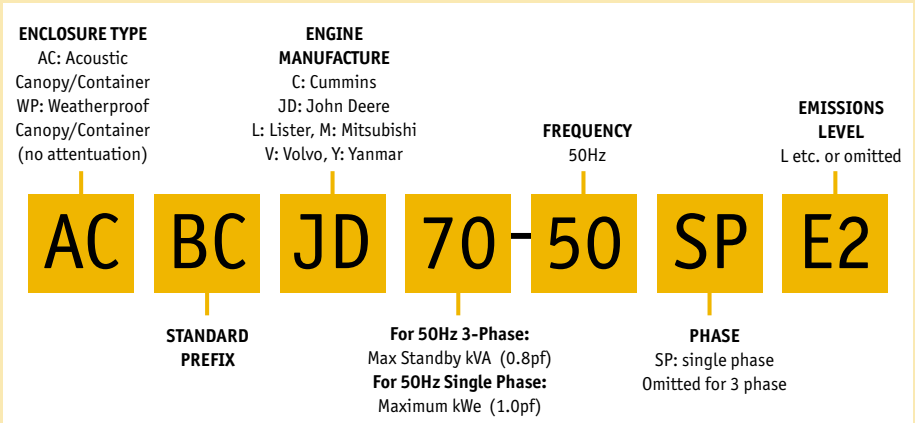
Cummins:	**BCC**
John Deere:	**BCJD**
Lister:	**BCL**
Mitsubishi:	**BCM**
MTU:	**BCMU**
Perkins:	**BCP**
Volvo:	**BCV**
Yanmar:	**BCY**

For the Midi, John Deere, Cummins LHP 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

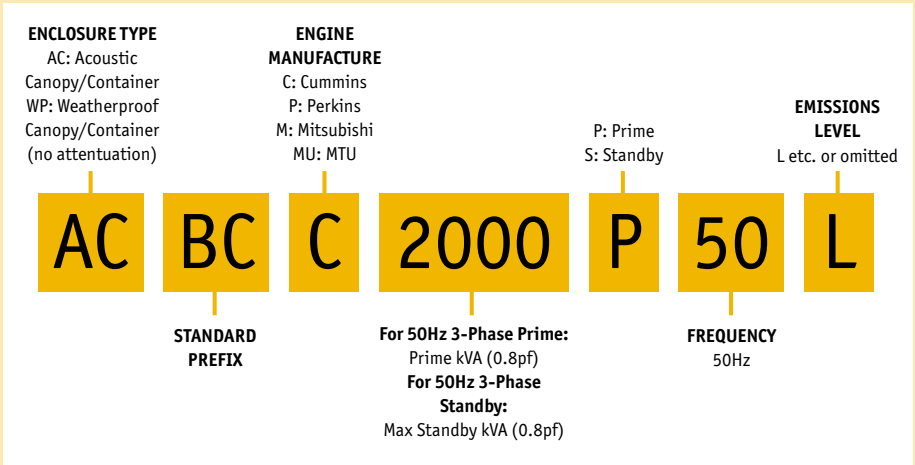
For the Cummins HHP, Mitsubishi, MTU and Perkins Ranges:
The next part of the designation is a number which represents the rating of the generator followed by the 'P' or 'S' indicator, followed by a frequency indicator thus—
50Hz 3-Phase Prime:
[Prime rating in kVA] P-50
50Hz 3-Phase Standby:
[max Standby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

The final part of the designation indicates the appropriate level of emissions certification, if applicable.
For example—
Engine used is T.A. Luft exhaust emission certified, refer to specific generator data sheet for emission level: **L**
Engine used is EU Stage II exhaust emissions certified: **E2**
Engine used is EU Stage II exhaust emissions certified, compliant with NRMM Directive 97/68/EC under the flexibilty scheme: **E2/F**
Engine used is EU Stage IIIA exhaust emissions certified: **E3A**

A Euro Stage II engine supplied under the flexibility scheme or a Euro Stage IIIA engine is required to comply with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications.



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



Summary for the Cummins HHP, Mitsubishi, MTU and Perkins ranges

6kVA to 32.5kVA generator sets

MIDI RANGE

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	10.8	PI 144 D	1650 x 670 x 1330	710	100	M 2
	BCJD 32-50	30	24	32	25.6	4024 TF220	4 in line	2.4	16.3	PI 144 G	1650 x 670 x 1330	710	100	M 2
Lister	**BCL 8-50**	7.5	6	—	—	LPW 2	2 in line	0.90	1.9	PI 044 D	1370 x 520 x 1360	380	55	M 1
	BCL 13-50	12.5	10	—	—	LPW 3	3 in line	1.4	2.8	PI 044 F	1370 x 520 x 1360	410	55	M 1
	BCL 16-50	16	12.8	—	—	LPW 4	4 in line	1.9	3.8	PI 044 H	1370 x 520 x 1360	440	55	M 1
Mitsubishi	**BCM 11-50**	10	8	10.8	8.6	S3L2-61SD	3 in line	1.4	3.1	PI 044 E	1370 x 520 x 1360	375	55	M 1
	BCM 16-50	14	11.2	15.5	12.4	S4L2-61SD	4 in line	1.8	4.3	PI 044 G	1370 x 520 x 1360	400	55	M 1
	BCM 22-50	20	16	22	17.6	S4Q2-61SD	4 in line	2.5	6.2	PI 144 D	1630 x 650 x 1200	465	100	M 1
	BCM 22-50 E3A	20	16	22	17.6	S4Q2-Z361SD	4 in line	2.5	6.2	PI 144 D	1630 x 650 x 1200	465	100	M 1
	BCM 33-50	30	24	32.5	26	S4S-61SD	4 in line	3.3	8.6	PI 144 G	1630 x 650 x 1230	690	100	M 2
	BCM 33-50 E3A	30	24	32.5	26	S4S-Z361SD	4 in line	3.3	8.6	PI 144 G	1630 x 650 x 1230	690	100	M 2
Yanmar	**BCY 9-50**	9	7.2	—	—	3TNV 76	3 in line	1.1	3.6	PI 044 E	1330 x 520 x 1320	375	55	M 1
	BCY 14-50	14	11.2	—	—	3TNV 88	3 in line	1.1	3.6	PI 044 G	1330 x 520 x 1320	415	55	M 1
	BCY 19-50 E3A	19	15.2	—	—	4TNV 88	4 in line	2.2	4.9	PI 144 D	1330 x 520 x 1320	470	55	M 1
Cummins	**BCC 28-50 E3A**	25	20	28	22.4	X2.5-G5	3 in line	2.5	6.9	PI 144 E	1625 x 650 x 1330	705	100	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**	14.7	16	4024 TF220	4 in line	2.4	10.8	PI 144 D	1650 x 670 x 1330	710	100	M 2
	BCJD 24-50SP	22	24	4024 TF220	4 in line	2.4	16.3	PI 144 G	1650 x 670 x 1330	710	100	M 2
Lister	**BCL 6-50SP**	6	—	LPW 2	2 in line	0.90	1.9	PI 044 D	1370 x 520 x 1360	380	55	M 1
	BCL 10-50SP	10	—	LPW 3	3 in line	1.4	2.8	PI 044 F	1370 x 520 x 1360	410	55	M 1
	BCL 12-50SP	12.4	—	LPW 4	4 in line	1.9	3.8	PI 044 H	1370 x 520 x 1360	440	55	M 1
Mitsubishi	**BCM 8-50SP**	7.4	8	S3L2-61SD	3 in line	1.4	3.1	PI 044 E	1370 x 520 x 1360	375	55	M 1
	BCM 12-50SP	11	12	S4L2-61SD	4 in line	1.8	4.3	PI 044 G	1370 x 520 x 1360	400	55	M 1
	BCM 16-50SP	14.5	16	S4Q2-61SD	4 in line	2.5	6.2	PI 144 D	1630 x 650 x 1200	465	100	M 1
	BCM 16-50SP E3A	14.5	16	S4Q2-Z361SD	4 in line	2.5	6.2	PI 144 D	1630 x 650 x 1200	465	100	M 1
	BCM 24-50SP	22	24	S4S-61SD	4 in line	3.3	8.6	PI 144 G	1630 x 650 x 1230	690	100	M 2
	BCM 24-50SP E3A	22	24	S4S-Z361SD	4 in line	3.3	8.6	PI 144 G	1630 x 650 x 1230	690	100	M 2
Yanmar	**BCY 7-50SP**	7	—	3TNV 76	3 in line	1.1	3.6	PI 044 E	1330 x 520 x 1320	375	55	M 1
	BCY 11-50SP	11	—	3TNV 88	3 in line	1.1	3.6	PI 044 G	1330 x 520 x 1320	415	55	M 1
	BCY 15-50SP E3A	15	—	4TNV 88	4 in line	2.2	4.9	PI 144 D	1330 x 520 x 1320	470	55	M 1
Cummins	**BCC 22-50SP E3A**	20	22	X2.5-G5	3 in line	2.5	6.9	PI 144 F	1625 x 650 x 1330	705	100	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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

MIDI 1 – M1

14.5kVA to 330kVA generator sets

JOHN DEERE RANGE

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	17.6	3029 DF128	3 inline	2.9	5.7	PI 144 D	1630 × 650 × 1370	820	100	C 1
BCJD 30-50	28	22	30	24	3029 DF128	3 inline	2.9	4.6	PI 144 F	1630 × 650 × 1370	820	100	C 1
BCJD 42-50 E2	38	30	42	34	3029 HFU70	3 inline	2.9	10.1	PI 144 J	2080 × 670 × 1370	1235	160	C 1
BCJD 44-50	40	32	44	35	3029 TF158	3 inline	2.9	9.7	PI 144 J	2080 × 670 × 1370	880	160	C 1
BCJD 64-50 E2	60	48	64	51.2	4045 TFU70	4 inline	4.5	14.8	UCI 224 E	2300 × 850 × 1550	1250	232	C 2
BCJD 65-50	60	48	65	52	4045 TF158	4 inline	4.5	15.9	UCI 224 E	2080 × 670 × 1450	1272	160	C 2
BCJD 88-50 E2	80	64	88	70.4	4045 HFU72	4 inline	4.5	19.8	UCI 224 G	2300 × 850 × 1620	1350	232	C 2
BCJD 90-50	80	64	90	72	4045 TF258	4 inline	4.5	22.9	UCI 224 G	2300 × 850 × 1570	1280	232	C 2
BCJD 110-50	100	80	110	88	4045 HF158	4 inline	4.5	27.5	UCI 274 C	2300 × 850 × 1620	2330	232	C 2
BCJD 110-50 E2	100	80	110	88	4045 HFU79	4 inline	4.5	23.8	UCI 274 C	2300 × 850 × 1570	2200	232	C 2
BCJD 130-50	120	96	130	104	6068 TF258	6 inline	6.8	26.6	UCI 274 E	2700 × 800 × 1580	1675	260	C 3
BCJD 150-50	140	112	150	120	6068 HF158	6 inline	6.8	31.5	UCI 274 E	2700 × 800 × 1650	1770	260	C 3
BCJD 150-50 E2	140	112	150	120	6068 HFU79	6 inline	6.8	31.2	UCI 274 E	2700 × 800 × 1580	1850	260	C 3
BCJD 165-50	150	120	165	132	6068 HF158	6 inline	6.8	33.8	UCI 274 F	2700 × 800 × 1650	1770	260	C 3
BCJD 165-50 E2	150	120	165	132	6068 HFU79	6 inline	6.8	32.8	UCI 274 F	2700 × 800 × 1580	1850	260	C 3
BCJD 200-50	180	144	200	160	6068 HF258	6 inline	6.8	40.7	UCI 274 H	2700 × 800 × 1650	1770	260	C 3
BCJD 220-50	200	160	220	176	6081 HF001	6 inline	8.1	42.4	UCI 274 H	3060 × 950 × 1750	2360	394	C 4
BCJD 220-50 E2	200	160	220	176	6068 HFU74	6 inline	6.8	40.1	UCI 274 H	3050 × 1030 × 1790	2140	394	C 4
BCJD 260-50	230	184	260	208	6081 HF001	6 inline	8.1	47.6	UCDI 274 J	3050 × 960 × 1770	2330	394	C 4
BCJD 275-50	250	200	275	220	6081 HF001	6 inline	8.1	54.0	UCDI 274 K	3050 × 960 × 1770	2330	394	C 4
BCJD 275-50 E2	250	200	275	220	6090 HF475	6 inline	9.0	53.8	UCDI 274 K	3420 × 1140 × 2080	3125	711	C 4 A
BCJD 330-50 E2	300	240	330	264	6090 HF475	6 inline	9.0	64.1	HCI 444 D	3420 × 1140 × 2080	3345	711	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	14.5	—	3029 DF128	3 inline	2.9	4.6	PI 144 D	1630 × 650 × 1360	710	100	C 1
BCJD 20-50SP	20	—	3029 DF128	3 inline	2.9	6.5	PI 144 F	1630 × 650 × 1360	710	100	C 1
BCJD 22-50SP	22	—	3029 DF128	3 inline	2.9	7.1	PI 144 G	1630 × 650 × 1360	710	100	C 1
BCJD 29-50SP	29	—	3029 TF158	3 inline	2.9	9.7	PI 144 J	2080 × 670 × 1420	860	160	C 1
BCJD 30-50SP E2	30	—	3029 HFU70	3 inline	2.9	10.1	UCI 224 D	2080 × 670 × 1450	1240	160	C 1
BCJD 40-50SP	40	—	4045 TF158	4 inline	4.5	13.1	UCI 224 E	2080 × 670 × 1450	1275	160	C 2
BCJD 45-50SP E2	45	—	4045 TFU70	4 inline	4.5	14.8	UCI 224 F	2300 × 850 × 1550	1250	160	C 2
BCJD 50-50SP	50	—	4045 TF158	4 inline	4.5	15.9	UCI 224 F	2080 × 670 × 1450	1295	160	C 2
BCJD 60-50SP	60	—	4045 TF258	4 inline	4.5	22.9	UCI 224 G	2300 × 850 × 1570	1280	232	C 2
BCJD 60-50SP E2	60	—	4045 HFU72	4 inline	4.5	19.8	UCI 224 G	2300 × 850 × 1620	1280	232	C 2
BCJD 66-50SP	66	—	4045 HF158	4 inline	4.5	24.2	UCI 274 C	2300 × 850 × 1620	2330	232	C 2
BCJD 74-50SP	74	—	4045 HF158	4 inline	4.5	27.5	UCI 274 D	2300 × 850 × 1620	2330	232	C 2
BCJD 74-50SP E2	74	—	4045 HFU79	4 inline	4.5	23.8	UCI 274 D	2300 × 850 × 1570	2200	232	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 Broadcrown Sales Department.

NOTES

Genset models not suitable for mobile applications within the EU. Please contact Broadcrown Sales department for further information.
All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department.
Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

BCJD 65-50:
engine 4045 TF158, alternator UCI 224 E, control panel BC 7210

30kVA to 330kVA generator sets

JOHN DEERE RANGE

3 PHASE 380/220 – 415/240V — Models compliant with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications

	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/F	38	30	42	34	3029 HFU70	3 inline	2.9	10.1	PI 144 J	2080 × 670 × 1370	1235	160	C 1
BCJD 64-50 E2/F	60	48	64	51.2	4045 TFU70	4 inline	4.5	14.8	UCI 224 E	2300 × 850 × 1550	1250	232	C 2
BCJD 88-50 E2/F	80	64	88	70.4	4045 HFU72	4 inline	4.5	19.8	UCI 224 G	2300 × 850 × 1620	1350	232	C 2
BCJD 110-50 E2/F	100	80	110	88	4045 HFU79	4 inline	4.5	23.8	UCI 274 C	2300 × 850 × 1570	2200	232	C 2
BCJD 150-50 E2/F	140	112	150	120	6068 HFU79	6 inline	6.8	31.2	UCI 274 E	2700 × 800 × 1580	1850	260	C 3
BCJD 165-50 E2/F	150	120	165	132	6068 HFU79	6 inline	6.8	32.8	UCI 274 F	2700 × 800 × 1580	1850	260	C 3
BCJD 220-50 E2/F	200	160	220	176	6068 HFU74	6 inline	6.8	40.1	UCI 274 H	3050 × 1030 × 1790	2140	369	C 4
BCJD 275-50 E2/F	250	200	275	220	6090 HF475	6 inline	9.0	53.8	UCDI 274 K	3420 × 1140 × 2080	3125	711	C 4 A
BCJD 330-50 E2/F	300	240	330	264	6090 HF475	6 inline	9.0	64.1	HCI 444 D	3420 × 1140 × 2080	3345	711	C 4 A

SINGLE PHASE 220 – 240V — Models compliant with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications

	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 30-50SP E2/F	30	—	3029 HFU70	3 inline	2.9	10.1	UCI 224 D	2080 × 670 × 1450	1240	160	C 1
BCJD 45-50SP E2/F	45	—	4045 TFU70	4 inline	4.5	14.8	UCI 224 F	2300 × 850 × 1550	1250	232	C 2
BCJD 60-50SP E2/F	60	—	4045 HFU72	4 inline	4.5	19.8	UCI 224 G	2300 × 850 × 1620	1280	232	C 2
BCJD 74-50SP E2/F	74	—	4045 HFU79	4 inline	4.5	23.8	UCI 274 D	2300 × 850 × 1570	2200	232	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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

CANOPY 1 – C1

275kVA to 700kVA generator sets

VOLVO RANGE

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	59.4	HCI 444 D	3420 × 1140 × 1920	3855	711	C 4 A
BCV 360-50 E2	325	260	360	288	TAD941GE	6 inline	9.36	69.6	HCI 444 E	3420 × 1140 × 1920	3940	711	C 4 A
BCV 385-50 E2	350	280	385	308	TAD1342GE	6 inline	12.78	70.1	HCI 444 E	3420 × 1140 × 2030	4300	711	C 5
BCV 415-50 E2	375	300	415	332	TAD1343GE	6 inline	12.78	75.4	HCI 444 F	3420 × 1140 × 2030	4440	711	C 5
BCV 440-50 E2	400	320	440*	352	TAD1344GE	6 inline	12.78	82.8	HCI 444 F	3420 × 1140 × 2030	4460	711	C 5
BCV 500-50 E2	450	360	500	400	TAD1345GE	6 inline	12.78	91.5	HCI 544 C	3710 × 1187 × 2030	4915	755	C 6
BCV 550-50 E2	500	400	550	440	TAD1641GE	6 inline	16.12	102.9	HCI 544 D	3710 × 1187 × 2270	5250	755	C 6
BCV 660-50 E2	570	456	660	528	TAD1642GE	6 inline	16.12	119.3	HCI 544 E	3710 × 1187 × 2270	5400	755	C 6
BCV 700-50 E2	635	508	700	560	TWD1643GE	6 inline	16.12	129.0	HCI 544 F	3870 × 1490 × 2110	5500	609	C 7

3 PHASE 380/220 – 415/240V													Models compliant with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications
	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/F	275	220	300	240	TAD940GE	6 inline	9.36	59.4	HCI 444 D	3420 × 1140 × 1920	3855	711	C 4 A
BCV 360-50 E2/F	325	260	360	288	TAD941GE	6 inline	9.36	69.6	HCI 444 E	3420 × 1140 × 1920	3940	711	C 4 A
BCV 385-50 E2/F	350	280	385	308	TAD1342GE	6 inline	12.78	70.1	HCI 444 E	3420 × 1140 × 2030	4300	711	C 5
BCV 415-50 E2/F	375	300	415	332	TAD1343GE	6 inline	12.78	75.4	HCI 444 F	3420 × 1140 × 2030	4440	711	C 5
BCV 440-50 E2/F	400	320	440*	352	TAD1344GE	6 inline	12.78	82.8	HCI 444 F	3420 × 1140 × 2030	4460	711	C 5
BCV 500-50 E2/F	450	360	500	400	TAD1345GE	6 inline	12.78	91.5	HCI 544 C	3710 × 1187 × 2030	4915	755	C 6
BCV 550-50 E2/F	500	400	550	440	TAD1641GE	6 inline	16.12	102.9	HCI 544 D	3710 × 1187 × 2270	5250	755	C 6
BCV 660-50 E2	600	480	660	528	TAD1642GE	6 inline	16.12	119.3	HCI 544 E	3710 × 1187 × 2270	5400	755	C 6
BCV 700-50 E2	635	508	700	560	TWD1643GE	6 inline	16.12	129.0	HCI 544 F	3870 × 1490 × 2110	5500	609	C 7

* 425kVA at 380V

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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

BCV 385-50 E2:
engine TAD 1342 GE, alternator HCI 444 E, control panel BC 7310

27.5kVA to 550kVA generator sets

CUMMINS LOW HP RANGE

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 38-50 E3A	34	27	38	30.4	X3.3-G3	4 in line	3.3	8.5	PI 144 H	2075 x 670 x 1442	925	232	C1
BCC 44-50	40	32	44	35.2	S3.8-G4	4 in line	3.8	9.9	PI 144 J	2300 x 850 x 1562	870	232	C2
BCC 55-50	50	40	55	44	S3.8-G6	4 in line	3.8	12.8	UCI 224 D	2300 x 850 x 1562	1000	232	C2
BCC 65-50	60	48	65	51.2	S3.8-G7	4 in line	3.8	14.7	UCI 224 E	2300 x 850 x 1562	1120	232	C2
BCC 90-50 E3A	82	65.6	90	72	QSB5-G3	4 in line	4.5	22	UCI 224 G	2700 x 800 x 1490	1284	260	C3
BCC 110-50	100	80	110	88	6BTA5.9 G5	4 in line	5.9	25	UCI 274 C	2700 x 800 x 1770	1320	260	C3
BCC 110-50 E3A	100	80	110	88	QSB5-G5	4 in line	4.5	24	UCI 274 C	2700 x 800 x 1470	1285	260	C3
BCC 140-50	125	100	138	110	6BTAA5.9 G3	6 in line	5.9	29	UCI 274 E	2700 x 800 x 1770	1450	260	C3
BCC 175-50	160	128	175	140	6BTAA5.9 G5	6 in line	5.9	37	UCI 274 F	2700 x 800 x 1770	1830	260	C3
BCC 175-50 E3A	160	128	175	140	QSB7-G3	6 in line	6.9	38	UCI 274 F	3050 x 1030 x 1650	1790	394	C4
BCC 200-50 E3A	180	144	200	160	QSB7-G4	6 in line	6.9	42	UCI 274 G	3050 x 1030 x 1650	1815	394	C4
BCC 220-50 E3A	200	160	220	176	QSB7-G5	6 in line	6.9	45	UCI 274 H	3050 x 1030 x 1650	1840	394	C4
BCC 250-50 E3A	225	180	250	200	QSL9-G2	6 in line	8.8	56	UCDI 274 J	3420 x 1139 x 2079	2365	711	C4A
BCC 275-50 E3A	250	200	275	220	QSL9-G3	6 in line	8.8	59	HCI 444 C	3420 x 1139 x 2079	2510	711	C4A
BCC 300-50 E3A	275	220	300	240	QSL9-G4	6 in line	8.8	62	HCI 444 D	3420 x 1139 x 2079	3200	711	C4A
BCC 330-50	300	240	330	264	QSL9-G5	6 in line	8.8	63	HCI 444 D	3420 x 1139 x 2079	3300	711	C4A
BCC 400-50	365	292	400	320	NTA855-G4	6 in line	14.0	76	HCI 444 F	3710 x 1187 x 2095	3750	755	C6
BCC 440-50 E2	400	320	440*	352	QSX15-G4	6 in line	15.0	85.7	HCI 444 F	3710 x 1187 x 2283	3700	755	C6
BCC 500-50 E2	455	364	500	400	QSX15-G6	6 in line	15.0	95.9	HCI 544 C	3395 x 1187 x 2200	4000	760	C7
BCC 550-50 E2	500	400	550	440	QSX15-G8	6 in line	15.0	103	HCI 544 D	3410 x 1500 x 2200	4020	760	C7

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 E3A	27.5	30.3	X3.3-G3	4 in line	3.3	8.5	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	9.9	UCI 224 D	2080 x 680 x 1420	870	155	C 1
BCC 40-50 SP	40	—	S3.8-G6	4 in line	3.8	12.8	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	14.7	UCI 224 F	2080 x 680 x 1390	1120	155	C 2
BCC 65-50 SP E3A	65	—	QSB5-G3	4 in line	4.5	22.0	UCI 274 C	2270 x 860 x 1440	1284	225	C 2
BCC 75-50 SP	75	—	6BTA5.9 G5	6 in line	5.9	2.5	UCI 274 D	2400 x 860 x 1540	1320	225	C 2
BCC 75-50 SP E3A	75	—	QSB5-G5	4 in line	4.5	24.0	UCI 274 D	2260 x 850 x 1560	1285	225	C 2
BCC 100-50SP	100	—	6BTAA5.9 G3	6 in line	5.9	29.0	UCI 274 F	2400 x 860 x 1540	1450	250	C 3

* 425kVA at 380V

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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacites are for guidance only.

BCC 275-50 E3A:
engine QSL9-G3, alternator HCI 444 C, control panel BC 7310

broadcrown®

single units can be combined for greater power

27.5kVA to 550kVA generator sets

CUMMINS LOW HP RANGE

3 PHASE 380/220 – 415/240V										Models compliant with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications			
	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 38-50 E3A	34	27	38	30.4	X3.3-G3	4 in line	3.3	8.5	PI 144 H	2075 x 670 x 1442	925	232	C1
BCC 90-50 E3A	82	65.6	90	72	QSB5-G3	4 in line	4.5	22	UCI 224 G	2700 x 800 x 1490	1284	260	C3
BCC 110-50 E3A	100	80	110	88	QSB5-G5	4 in line	4.5	24	UCI 274 C	2700 x 800 x 1470	1285	260	C3
BCC 175-50 E3A	160	128	175	140	QSB7-G3	6 in line	6.9	38	UCI 274 F	3050 x 1030 x 1650	1790	394	C4
BCC 200-50 E3A	180	144	200	160	QSB7-G4	6 in line	6.9	42	UCI 274 G	3050 x 1030 x 1650	1815	394	C4
BCC 220-50 E3A	200	160	220	176	QSB7-G5	6 in line	6.9	45	UCI 274 H	3050 x 1030 x 1650	1840	394	C4
BCC 250-50 E3A	225	180	250	200	QSL9-G2	6 in line	8.8	56	UCDI 274 J	3420 x 1139 x 2079	2365	711	C4A
BCC 275-50 E3A	250	200	275	220	QSL9-G3	6 in line	8.8	59	HCI 444 C	3420 x 1139 x 2079	2510	711	C4A
BCC 300-50 E3A	275	220	300	240	QSL9-G4	6 in line	8.8	62	HCI 444 D	3420 x 1139 x 2079	3200	711	C4A
BCC 440-50 E2/F	400	320	440*	352	QSX15-G4	6 in line	15.0	85.7	HCI 444 F	3710 x 1187 x 2283	3700	755	C6
BCC 500-50 E2/F	455	364	500	400	QSX15-G6	6 in line	15.0	95.9	HCI 544 C	3395 x 1187 x 2200	4000	760	C7
BCC 550-50 E2/F	500	400	550	440	QSX15-G8	6 in line	15.0	103	HCI 544 D	3410 x 1500 x 2200	4020	760	C7

SINGLE PHASE 220 – 240V								Models compliant with European Emissions Legislation (NRMM Directive 97/68/EC) for Mobile Applications			
	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 E3A	27.5	30.3	X3.3-G1	4 in line	3.3	8.0	PI 144 J	1650 x 650 x 1170	925	100	C 1
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

* 425kVA at 380V

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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacites are for guidance only.

CANOPY 4 – C4

650kVA to 3050kVA generator sets

CUMMINS HIGH HP RANGE

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	4150 × 1570 × 2140	5820	720	‡
BCC 700S-50	ESP	700	560	VTA 28 G5	12 Vee	28.00	154	HCI 534 F	4150 × 1575 × 2140	5820	720	‡
BCC 800P-50	PRP	800	640	QSK 23 G3	6 inline	23.15	161	HCI 634 G	4200 × 1800 × 2220	6195	720	‡
BCC 850S-50	ESP	850	680	QSK 23 G3	6 inline	23.15	178	HCI 634 G	4200 × 1800 × 2220	6195	720	‡
BCC 1000P-50	PRP	1000	800	KTA 38 G5	12 Vee	37.80	209	HCI 634 J	4350 × 1760 × 2440	8480	—	‡
BCC 1100S-50	ESP	1100	880	KTA 38 G5	12 Vee	37.80	228	HCI 634 J	4350 × 1760 × 2440	8480	—	‡
BCC 1010P-50	PRP	1000	800	QST 30 G4	12 Vee	30.48	202	HCI 634 J	4740 × 1760 × 2340	7085	—	‡
BCC 1110S-50	ESP	1100	880	QST 30 G4	12 Vee	30.48	224	HCI 634 J	4740 × 1760 × 2340	7085	—	‡
BCC 1250P-50	PRP	1250	1000	KTA 50 G3	16 Vee	50.30	261	PI 734 A	5200 × 1760 × 2330	10200	—	‡
BCC 1400S-50	ESP	1400	1120	KTA 50 G3	16 Vee	50.30	293	PI 734 B	5200 × 1760 × 2330	10200	—	‡
BCC 1400P-50	PRP	1400	1120	KTA 50 G8	16 Vee	50.30	289	PI 734 B	5560 × 2000 × 2440	11010	—	‡
BCC 1500P-50	PRP	1500	1200	KTA 50 GS8	16 Vee	50.30	307	PI 734 C	5560 × 2000 × 2440	11010	—	‡
BCC 1660S-50	ESP	1660	1328	KTA 50 G8	16 Vee	50.30	345	PI 734 C	5560 × 2000 × 2440	11010	—	‡
BCC 1875P-50	PRP	1875	1500	QSK 60 G3	16 Vee	60.20	363	PI 734 E	5530 × 1870 × 2710	13800	—	‡
BCC 2000S-50	ESP	2000	1600	QSK 60 G3	16 Vee	60.20	406	PI 734 E	5530 × 1870 × 2710	13800	—	‡
BCC 2000P-50	PRP	2000	1600	QSK 60 G4	16 Vee	60.20	394	PI 734 F	5990 x 2340 x 2870	14210	—	‡
BCC 2250S-50	ESP	2250	1800	QSK 60 G4	16 Vee	60.20	437	PI 734 F	5990 x 2340 x 2870	14210	—	‡
BCC 2200P-50	PRP	2200	1760	QSK 60 G8	16 Vee	60.20	455	PI 734 G	5990 x 2340 x 2870	14210	—	‡
BCC 2360S-50	ESP	2360	1888	QSK 60 G8	16 Vee	60.20	500	PI 734 G	5990 x 2340 x 2870	14210	—	‡
BCC 2500S-50	ESP	2500	2000	QSK 60 G8	16 Vee	60.20	500	LVSI 804 R2	6000 x 2325 x 2900	16320	—	‡
BCC 2750P-50	PRP	2750	2200	QSK 78 G9 AL	18 Vee	78.00	583	LVSI 804 S2	7000 x 2325 x 2900	21400	—	‡
BCC 3050S-50	ESP	3050	2440	QSK 78 G9 AL	18 Vee	78.00	641	LVSI 804 S2	7000 x 2325 x 2900	21400	—	‡
BCC 2750P-50	PRP	2750	2200	QSK 78 G9 TIT	18 Vee	78.00	583	LVSI 804 S2	7000 x 2325 x 2900	21400	—	‡
BCC 3050S-50	ESP	3050	2440	QSK 78 G9 TIT	18 Vee	78.00	641	LVSI 804 S2	7000 x 2325 x 2900	21400	—	‡

* 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 Broadcrown Sales Department.

For details on Emission Optimised engines please contact Broadcrown Sales Department.

AL: Aluminium Turbo Chargers / TIT: Titanium Turbo Chargers

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 Broadcrown 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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

BCC 1010P-50:
engine QST 30 G4, alternator HCI 634 J, control panel BC 7310

1250kVA to 2200kVA generator sets

MITSUBISHI RANGE

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 2080 x 2480	10100	—	ISO-40 HC
BCM 1400S-50	ESP	1400	1120	S12R-PTA	12 Vee	49.03	285	PI 734 B	4520 x 2080 x 2480	10100	—	ISO-40 HC
BCM 1400P-50	PRP	1400	1120	S12R-PTA2	12 Vee	49.03	281	PI 734 B	4520 x 2080 x 2480	10450	—	ISO-40 HC
BCM 1530S-50	ESP	1530	1224	S12R-PTA2	12 Vee	49.03	312	PI 734 C	4520 x 2080 x 2480	10450	—	ISO-40 HC
BCM 1500P-50 L	PRP	1500	1200	S12R-F1PTAW2	12 Vee	49.03	308	PI 734 C	4520 x 2090 x 2490	10450	—	‡
BCM 1650S-50 L	ESP	1650	1320	S12R-F1PTAW2	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	5290 x 2310 x 2570	13090	—	‡
BCM 1900S-50	ESP	1900	1520	S16R-PTA	16 Vee	65.37	374	PI 734 E	5290 x 2310 x 2570	13090	—	‡
BCM 1900P-50	PRP	1900	1520	S16R-PTA2	16 Vee	65.37	393	PI 734 E	5290 x 2310 x 2570	13470	—	‡
BCM 2090S-50	ESP	2090	1672	S16R-PTA2	16 Vee	65.37	430	PI 734 F	5290 x 2310 x 2570	13470	—	‡
BCM 2000P-50 L	PRP	2000	1600	S16R-F1PTAW2	16 Vee	65.37	450	PI 734 F	5410 x 2405 x 2610	13785	—	‡
BCM 2200S-50 L	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 Broadcrown 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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimensions, weights and capacities are for guidance only.

40ft HC ISO CONTAINER 'CSC PLATED' – ISO-40 HC

650kVA to 2500kVA generator sets

PERKINS RANGE

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 (FO)	6 inline	18.13	132	HCI 534 F	3850 × 1540 × 2020	5850	720	‡
BCP 700S-50	ESP	700	560	2806A-E18TAG2 (FO)	6 inline	18.13	143	HCI 534 F	3850 × 1540 × 2020	5850	720	‡
BCP 750P-50	PRP	750	600	4006-23TAG2A (FO)	6 inline	22.92	157	HCI 634 G	4400 × 1832 × 2166	6754	720	‡
BCP 800S-50	ESP	800	640	4006-23TAG2A (FO)	6 inline	22.92	173	HCI 634 G	4400 × 1832 × 2166	6754	720	‡
BCP 800P-50	PRP	800	640	4006-23TAG3A (FO)	6 inline	22.92	172	HCI 634 G	4400 × 1832 × 2166	6754	720	‡
BCP 850S-50	ESP	850	680	4006-23TAG3A (FO)	6 inline	22.92	194	HCI 634 G	4400 × 1832 × 2166	6754	720	‡
BCP 900P-50	PRP	900	720	4008-TAG1A (FO)	8 inline	30.60	194	HCI 634 H	4920 × 1930 × 2330	8230	—	‡
BCP 1000S-50	ESP	1000	800	4008-TAG1A (FO)	8 inline	30.60	217	HCI 634 H	4920 × 1930 × 2330	8230	—	‡
BCP 1000P-50	PRP	1000	800	4008-TAG2A (FO)	8 inline	30.60	220	HCI 634 J	4920 × 1930 × 2330	8230	—	‡
BCP 1100S-50	ESP	1100	880	4008-TAG2A (FO)	8 inline	30.60	248	HCI 634 J	4920 × 1930 × 2330	8230	—	‡
BCP 1250P-50	PRP	1250	1000	4012-46TWG2A (FO)	12 Vee	45.48	258	PI 734 A	4790 × 1810 × 2550	9590	—	‡
BCP 1380S-50	ESP	1380	1104	4012-46TWG2A (FO)	12 Vee	45.48	287	PI 734 B	4790 × 1810 × 2550	9590	—	‡
BCP 1350P-50	PRP	1350	1080	4012-46TAG1A (FO)	12 Vee	45.84	224	PI 734 B	5490 × 1810 × 2540	9995	—	‡
BCP 1480S-50	ESP	1480	1184	4012-46TAG1A (FO)	12 Vee	45.84	308	PI 734 B	5490 × 1810 × 2540	9995	—	‡
BCP 1500P-50	PRP	1500	1200	4012-46TAG2A (FO)	12 Vee	45.84	301	PI 734 C	5490 × 1810 × 2540	9995	—	‡
BCP 1650S-50	ESP	1650	1320	4012-46TAG2A (FO)	12 Vee	45.84	335	PI 734 C	5490 × 1810 × 2540	9995	—	‡
BCP 1725P-50	PRP	1725	1380	4012-46TAG3A (FO)	12 Vee	45.84	370	PI 734 E	5490 × 1810 × 2540	10535	—	‡
BCP 1890S-50	ESP	1890	1512	4012-46TAG3A (FO)	12 Vee	45.84	405	PI 734 E	5490 × 1810 × 2540	10535	—	‡
BCP 1850P-50	PRP	1850	1480	4016-TAG1A (FO)	16 Vee	61.12	383	PI 734 E	6000 × 2290 × 2890	13210	—	‡
BCP 2000S-50	ESP	2000	1600	4016-TAG1A (FO)	16 Vee	61.12	424	PI 734 E	6000 × 2290 × 2890	13210	—	‡
BCP 2050P-50	PRP	2050	1640	4016-TAG2A (FO)	16 Vee	61.12	434	PI 734 F	6000 × 2290 × 2890	16577	—	‡
BCP 2250S-50	ESP	2250	1800	4016-TAG2A (FO)	16 Vee	61.12	483	PI 734 F	6000 × 2290 × 2890	16577	—	‡
BCP 2250P-50	PRP	2250	1800	4016-61TRG3A (FO)	16 Vee	61.12	473	LVSI 804 R2	6400 x 2320 x 2965	14900	—	‡
BCP 2500S-50	ESP	2500	2000	4016-61TRG3A (FO)	16 Vee	61.12	528	LVSI 804 R2	6400 x 2320 x 2965	14900	—	‡

* 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 Broadcrown Sales Department.
# For details on Emission Optimised engines please contact Broadcrown Sales Department.
(FO): Fuel Consumption Optimised engine

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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimesions, weights and capacities are for guidance only.

BCP 1250P-50:
engine 4012-46TWG2A (FO), alternator PI 734 A, control panel BC 7310

sets can be modified to meet your needs

450kVA to 3350kVA generator sets

MTU RANGE

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	PRP	450	360	10V 1600 G10 (F0)	10 Vee	17.5	91.1	HCI 544 C	2800 x 1310 x 1500	4400	710	‡
BCMU 500S-50	ESP	500	400	10V 1600 G10 (F0)	10 Vee	17.5	99.8	HCI 544 C	2800 x 1310 x 1500	4400	710	‡
BCMU 500P-50	PRP	500	400	10V 1600 G20 (F0)	10 Vee	17.5	99.8	HCI 544 D	2800 x 1310 x 1500	4500	710	‡
BCMU 550S-50	ESP	550	440	10V 1600 G20 (F0)	10 Vee	17.5	109.2	HCI 544 D	2800 x 1310 x 1500	4500	710	‡
BCMU 600P-50	PRP	600	480	12V 1600 G10 (F0)	12 Vee	17.5	117.9	HCI 544 E	3000 x 1310 x 1500	5000	710	‡
BCMU 660S-50	ESP	660	528	12V 1600 G10 (F0)	12 Vee	17.5	129.7	HCI 544 E	3000 x 1310 x 1500	5000	710	‡
BCMU 660P-50	PRP	660	528	12V 1600 G20 (F0)	12 Vee	17.5	129.7	HCI 544 F	3000 x 1310 x 1500	5000	710	‡
BCMU 725S-50	ESP	725	580	12V 1600 G20 (F0)	12 Vee	17.5	142.7	HCI 544 F	3000 x 1310 x 1500	5000	710	‡
BCMU 800P-50	PRP	800	640	12V 2000 G65 TD (F0)	12 Vee	23.88	138.0	HCI 634 G	4160 x 1600 x 2115	5925	—	‡
BCMU 860S-50	ESP	860	688	12V 2000 G65 TD (F0)	12 Vee	23.88	151.1	HCI 634 G	4160 x 1600 x 2115	5925	—	‡
BCMU 910P-50	PRP	910	728	16V 2000 G25 TD (F0)	16 Vee	31.84	188.0	HCI 634 H	4500 x 1690 x 2240	7220	—	‡
BCMU 1000S-50	ESP	1000	800	16V 2000 G25 TD (F0)	16 Vee	31.84	206.6	HCI 634 H	4500 x 1690 x 2240	7220	—	‡
BCMU 1010P-50	PRP	1010	808	16V 2000 G65 TD (F0)	16 Vee	31.84	206.6	HCI 634 J	4500 x 1690 x 2240	7220	—	‡
BCMU 1100S-50	ESP	1100	880	16V 2000 G65 TD (F0)	16 Vee	34.84	229.5	HCI 634 J	4500 x 1690 x 2240	7220	—	‡
BCMU 1130P-50	PRP	1130	904	18V 2000 G65 TD (F0)	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 (F0)	18 Vee	35.82	263.1	PI 734 A	4770 x 2130 x 2490	8485	—	‡
BCMU 1250P-50	PRP	1250	1000	12V 4000 G21R (F0)	12 Vee	57.2	242.0	PI 734 A	5260 x 2310 x 3220	13500	—	‡
BCMU 1375S-50	ESP	1375	1100	12V 4000 G21R (F0)	12 Vee	57.2	266.6	PI 734 A	5260 x 2310 x 3220	13500	—	‡
BCMU 1400P-50	PRP	1400	1120	12V 4000 G23R (F0)	12 Vee	57.2	271.5	PI 734 B	5260 x 2310 x 3220	14000	—	‡
BCMU 1540S-50	ESP	1540	1232	12V 4000 G23R (F0)	12 Vee	57.2	298.6	PI 734 B	5260 x 2310 x 3220	14000	—	‡
BCMU 1650P-50	PRP	1650	1320	12V 4000 G23 (F0)	12 Vee	57.2	314.6	PI 734 D	5260 x 2310 x 3220	14300	—	‡
BCMU 1770S-50	ESP	1770	1416	12V 4000 G23 (F0)	12 Vee	57.2	347.9	PI 734 D	5260 x 2310 x 3220	14300	—	‡
BCMU 1800P-50	PRP	1800	1440	12V 4000 G63 (F0)	12 Vee	57.2	356.4	PI 734 E	6080 x 2310 x 3220	17380	—	‡
BCMU 2000S-50	ESP	2000	1600	12V 4000 G63 (F0)	12 Vee	57.2	398.2	PI 734 E	6080 x 2310 x 3220	17380	—	‡
BCMU 2100P-50	PRP	2100	1680	16V 4000 G23 (F0)	16 Vee	76.3	404.7	PI 734 F	6080 x 2310 x 3220	17380	—	‡
BCMU 2200S-50	ESP	2200	1760	16V 4000 G23 (F0)	16 Vee	76.3	442.9	PI 734 F	6080 x 2310 x 3220	17380	—	‡
BCMU 2200P-50	PRP	2200	1760	16V 4000 G63 (F0)	16 Vee	76.3	440.0	PI 734 G	6080 x 2310 x 3220	17380	—	‡
BCMU 2360S-50	ESP	2360	1888	16V 4000 G63 (F0)	16 Vee	76.3	496.8	PI 734 G	6080 x 2310 x 3220	17380	—	‡
BCMU 2500S-50	ESP	2500	2000	16V 4000 G63 (F0)	16 Vee	76.3	499.5	LVSI 804 R2	6150 x 2310 x 3220	17500	—	‡
BCMU 2500P-50	PRP	2500	2000	20V 4000 G23 (F0)	20 Vee	95.4	495.2	LVSI 804 S2	6910 x 2360 x 3090	20800	—	‡
BCMU 2750S-50	ESP	2750	2200	20V 4000 G23 (F0)	20 Vee	95.4	547.5	LVSI 804 S2	6910 x 2360 x 3090	20800	—	‡
BCMU 2800P-50	PRP	2800	2240	20V 4000 G63 (F0)	20 Vee	95.4	539.0	LVSI 804 S2	6920 x 2360 x 3200	20480	—	‡
BCMU 3050S-50	ESP	3050	2440	20V 4000 G63 (F0)	20 Vee	95.4	605.4	LVSI 804 S2	6920 x 2360 x 3200	20480	—	‡
BCMU 3050P-50	PRP	3050	2440	20V 4000 G63L (F0)	20 Vee	95.4	583.0	LVSI 804 T2	6920 x 2360 x 3200	20480	—	‡
BCMU 3350S-50	ESP	3350	2680	20V 4000 G63L (F0)	20 Vee	95.4	654.6	LVSI 804 T2	6920 x 2360 x 3200	20480	—	‡

* 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 Broadcrown Sales Department.
# For details on Emission Optimised engines please contact Broadcrown Sales Department.
(F0): Fuel Consumption Optimised engine

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 Broadcrown Sales Department.

NOTES

All data in accordance with ISO3046, DIN6271, ISO8528 standards. Other voltages available, please refer to Data Sheet or consult Broadcrown Sales Department. Specifications and design subject to change without notice.
Please note all dimesions, weights and capacities are for guidance only.

BCMU 2800P-50:
engine 20V 4000 G63 (F0), alternator LVSI 804 S2

Specifications and Options

Broadcrown 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 Low HP Range	Cummins High HP 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 and 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 sensor	❍	❍	❍	❍	❍	❍		
	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 Broadcrown Sales Department)

Acoustic Packages

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

MIDI 1/2

CANOPY 3/4

CANOPY 4A

CANOPY 1/2

CANOPY 5/6/7

40ft HC ISO CONTAINER 'CSC PLATED' – ISO-40 HC

Acoustic Packages

STANDARD PRODUCT RANGES 6kVA–2000kVA

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 fire-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. Most of 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 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 and all doors are fitted with high-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 Point Lift
				dB(A) @1m	dB(A) @7m	Integral	Bunded	
M1	Midi 1 Canopy	1850 x 855 x 1264	100	69	59	75	—	●
M2	Midi 2 Canopy	2110 x 890 x 1240	195	71	61	95	—	❍
C1	Canopy 1	2265 x 895 x 1472	235	75	65	115	100	❍
C2	Canopy 2	2800 x 1110 x 1670	450	79	69	250	220	❍
C3	Canopy 3	3550 x 1160 x 1800	725	79	69	425	377	❍
C4	Canopy 4	3940 x 1300 x 1940	770	79	69	543	507	❍
C4A	Canopy 4A	4000 x 1440 x 2120	1150	79	69	665	615	❍
C5	Canopy 5	5200 x 1740 x 2200	2400	78	68	985	895	❍
C6	Canopy 6	5500 x 1740 x 2360	2950	78	68	1025	895	❍
C7	Canopy 7	5900 x 2040 x 2480	3520	78	68	1430	1305	—
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				●	●	●	●
	Fuel Level (0-100%) - 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 alarm or shutdown				❍	❍	❍	❍
	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				●	●	●	●
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 of 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 8610 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 8620 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 8660 Synchronising (multi set to mains)
This is a separate control unit which enables multiple BC 8610 equipped sets to be synchronised with the mains supply.

Features		BC 701	BC 7210	BC 7310	BC 7320	BC 8610	BC 8620
John Deere							
BCJD 22-50 to 44-50 BCJD 15-50SP to 29-50SP BCJD 42-50 E2		❍	●	❍	❍	❍	
BCJD 65-50 to 275-50 BCJD 40-50SP to 74-50SP BCJD 64-50 E2 &E2/F BCJD 30-50SP E2 & E2/F to 45-50SP E2 & E2/F	[C]	❍	●	❍	❍	❍	❍
BCJD 88-50 E2 to 330-50 E2 BCJD 60-50SP E2 to 74-50SP E2	[C]			●	❍	❍	❍
Volvo							
All BCV models	[C]			●	❍	❍	❍
Cummins							
BCC 44-50, 38-50 E2A, 30-50 SP E3A			●	❍	❍	❍	
BCC 55-50, 65-50, 110-50, 140-50, 175-50, 330-50 BCC 400-50, 650P-50, 700S-50, 1000P-50 BCC 1100S-50, 1250P-50, 1400S-50 BCC1400P-50, 1500P-50, 1660S-50 BCC 32-50SP, 40-50SP, 48-50SP, 75-50SP BCC 100-50SP			●	❍	❍	❍	❍
BCC 90-50 to 330-50 E3A BCC 440-50 E2 & E2/F to 550-50 E2 & E2/F BCC 800P-50, 850S-50, 1010P-50, 1110S-50 BCC 1875P-50, 2000S-50, 2000P-50, 2250S-50 BCC 2200P-50, 2360S-50, 2500S-50, 2750P-50 BCC 3050S-50 BCC 65-50SP E3A, 75-50SP E3A	[C] or [M]			●	❍	❍	❍
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 8610	BC 8620
Deep Sea Control Module	701 Key Start		●					
	7210 Digital Auto Start			●				
	7310 Digital Auto Start CANBus				●			
	7320 Digital Auto Mains Failure CANBus					●		
	8610 Digital - Set~Set Synchronisation						●	
	8620 Digital - Single Set~Mains Synch.							●
	8660 Module - Multi Set~Mains Synch.						❍	
Engine Instruments	Coolant Temperature - Analogue		●					
	Lub. Oil Pressure - Analogue		●					
	Engine Hours Counter - Analogue		●					
	Battery Charge Amps - Analogue		●					
	Coolant Temperature - Digital			●	●	●	●	●
	Lub. Oil Pressure - Digital			●	●	●	●	●
	Lub. Oil Temperature - Digital				▼	▼	▼	▼
	Engine Hours Counter - Digital	[3]		●	●	●	●	●
	Battery Volts - Digital			●	●	●	●	●
	Fuel Level (0-100%) - Digital			❍	❍	❍	❍	❍
Engine Protection	Low Oil Pressure Shutdown		●	●	●	●	●	●
	Low Oil Pressure Pre-Alarm			●	●	●	●	●
	High Oil Temp Alarm or Shutdown	[3]			▼	▼	▼	▼
	High Water Temperature Shutdown		●	●	●	●	●	●
	High Water Temperature Pre-Alarm			●	●	●	●	●
	Low Coolant Level Shutdown	[1] [3]		▼	▼	▼	▼	▼
	Low Coolant Level Alarm	[1]		▼	▼	▼	▼	▼
	Low Fuel Level alarm or shutdown			❍	❍	❍	❍	❍
	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 Ammeter 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)	[1]		●	●	●	●	●
	Breaker Tripped (shutdown)	[1] [2]		❍	❍	❍	❍	❍
	Breaker Tripped (shutdown) & Shunt Trip Via Controller			❍	❍	❍	❍	❍
	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				●	●	●	●
	Ethernet Connection	[4]					●	●
"Volt Free Contacts"	Generator Running	[2]	❍	❍	❍	❍	❍	❍
	Common Alarm	[2]		❍	❍	❍	❍	❍
	System In Auto	[2]		❍	❍	❍	❍	❍
	Telemetry Active	[2]			❍	❍	❍	❍
	Charge Alternator Fail	[2]		❍	❍	❍	❍	❍
	Low Battery Volts	[2]			❍	❍	❍	❍
	Battery Charger Fail		❍	❍	❍	❍	❍	❍
	Low Fuel Level	[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	7 / 5	6 / 6
	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)
[4] Refer to Broadcrown Sales Department for details

● Standard equipment
❍ Available as an option
▼ Model dependent (refer to Broadcrown Sales Department)
* This feature requires two auxiliary outputs

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			●	●	●
	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.

Broadcrown 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.

We offer an extensive range of power generation packages to meet with the most exacting global project requirements.

- **Renewable energy**
- **Base load power plants**
- **Back up standby generation**
- **Combined heat and power systems**
- **Off and on-shore drilling industries**
- **Black start for large turbine power plants**
- **Peak shaving schemes generating on local power**
- **Emergency power**
- **Rental industries**
- **Uninterruptible power supply systems**

Production Facilities
All Broadcrown products are designed and manufactured in our purpose-built factories at our corporate headquarters in Hixon, England and in Newtown, Wales.

Brochures are available for all our products and services on our website, www.broadcrown.com

FRONT COVER
The world's leading banking and financial centre is home to the highest concentration of Broadcrown power systems installed anywhere in the world.

BACK COVER
Broadcrown provides power to the King Fahd's Stadium in Riyadh comprising of 2 x 600kVA generating sets powered by Mirrlees Blackstone E-Type diesel engines and 2 x 1500kVA generating sets powered by Ruston diesel engines all running at 900 r.p.m. 60Hz.

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