



# Power Solutions

**Fully Integrated – Reliable – Efficient**

**Our energy working for you.™**



**Power  
Generation**

With over 80 years experience in power generation and an extensive global distributor network across 130 countries, we are ready to match the right generating, transfer and control technologies with your power needs – be it continuous, prime, peaking, standby, cogeneration, or a complete turnkey power plant.

Part of the Cummins Inc which has a turnover of over US\$ 9 billion, Cummins Power Generation has the global resources to meet your unique power Needs.

## Worldwide Presence/ Genset size range: 10 - 3000 kVA



### ★ Manufacturing Sites

- India
- USA
- United Kingdom
- Singapore
- Brazil
- China

### Distributor/Dealers

500 company owned & independent distributorships  
4,500 service and parts outlets

## Fully integrated – Reliable – Efficient

Cummins Power Generation is a world leader in the design and manufacture of pre-integrated generator sets, transfer switches, paralleling equipment and controls for use in standby, prime and continuous rated systems.

All major components – the engine, alternator and control systems – are manufactured by divisions of Cummins. This integral approach means each element of a generating set is designed to work in harmony from the start.

Cummins powered diesel generator sets are available in sizes ranging from 11 to 3000 kVA.

A high quality product, coupled with unrivalled, reliability, gives industry leading power solutions.



C220 D5  
Open Set

## Global Strengths, local partnership

With a worldwide distribution network across 130 countries, with approaching 500 dealers and 4,500 service/ parts outlets, we have the capability and experience to support our products wherever they are operating.

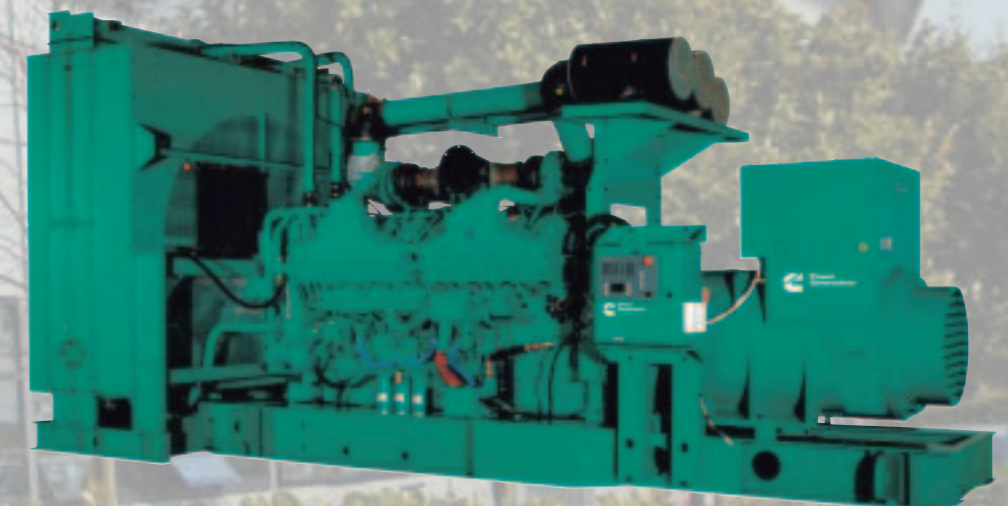
As a Cummins Power Generation user, you can expect a face to face relationship with someone

worthy of your trust and fast access to reliable service, engineering expertise and parts support. Service outlets are spread strategically across the world with technicians trained to the highest standards.

So wherever you need fully integrated, reliable and efficient power, call your local Cummins Power Generation distributor.



C11 D5  
Open Set



C2250 D5 High Horse Power

# 11-55 kVA

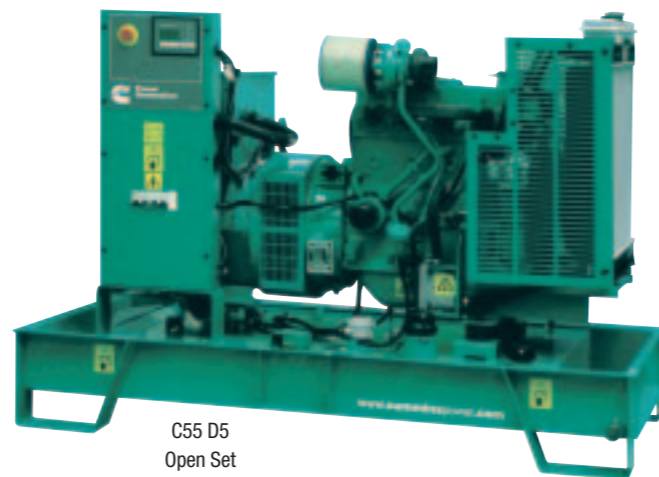
## 11-55 kVA @ 50 Hz for Prime and Standby

The open set concept from Cummins Power Generation provides all of the necessary features to limit the installation costs. Thus, sets are equipped with a high capacity fuel tank, starting batteries, manual/automatic controller (PCC0300 and PCC1301), four pole circuit breaker and industrial loose silencer.

The base frame provides full bunding and four direction handling capabilities by fork-lift truck or pallet jack.



C11 D5  
Open Set



C55 D5  
Open Set

## 50 Hz

Model Name	kVA		kWe		Single Phase kVA/kWe	Engine					Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP		Type	Consumption*	Cyl disp	Bore x Stroke mm	Cubic cap		Dimension (L x W)	Wet Weight (kg)	Tank (L)
C11 D5	11	10	8.8	8	11	D1703-BG	3.2 Lph	3L	87 x 92.4	1.65	BC164B	1300 x 730	376	88
C15 D5	15	13	12	10.4	12	D1703-BG	4.3 Lph	3L	87 x 92.4	1.65	BC164D	1300 x 730	385	88
C22 D5	22	20	17.6	16	22	4B3.3G1	5.3 Lph	4L	95 x 115	3.3	BC184E	1753 x 930	609	144
C33 D5	33	30	26.4	24	27	4B3.3G1	8.0 Lph	4L	95 x 115	3.3	BC184G	1753 x 930	645	144
C38 D5	38	35	30.4	28	30	4B3.3G1	9.4 Lph	4L	95 x 115	3.3	BC184H	1753 x 930	705	144
C55 D5	55	50	44	40	35	4BT3.3G2	12.9 Lph	4L	95 x 115	3.3	UCI224D	1753 x 930	776	144

## 60 Hz

Model Name	kWe		kVA		Single Phase kVA/kWe	Engine					Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP		Type	Consumption*	Cyl disp	Bore x Stroke mm	Cubic cap		Dimension (L x W)	Wet Weight (kg)	Tank (L)
C11 D6	11	10	13.8	12.5	11	D1703-BG	3.8 Lph	3L	87 x 92.4	1.65	BC164B	1300 x 730	376	88
C15 D6	15	13	18.8	16.3	14.3	D1703-BG	5.0 Lph	3L	87 x 92.4	1.65	BC164D	1300 x 730	385	88
C25 D6	24	22	30	27.5	25	4B3.3G1	7.1 Lph	4L	95 x 115	3.3	BC184E	1753 x 930	609	144
C30 D6	30	27	37.5	33.8	30	4B3.3G1	9.4 Lph	4L	95 x 115	3.3	BC184G	1753 x 930	645	144
C35 D6	35	32	43.8	40	35	4B3.3G1	11.3 Lph	4L	95 x 115	3.3	BC184H	1753 x 930	705	144
C50 D6	50	45	62.5	56.3	44	4B3.3G2	15.6 Lph	4L	95 x 115	3.3	UCI224D	1753 x 930	776	144

\* @ 110% load.

See additional information on page 12/13.

# ENCLOSED SET

## 11-50 kW @ 60 Hz for Prime and Standby

The Cummins Power Generation silent power concept has been designed to meet or exceed the future European legislation 2000/14/EC Step 2006. The design is modular, so fits directly to the open set for competitiveness and to provide flexibility for

manufacturing and availability. The open set bunding and handling features are included but there is an added single point lift as standard.



C15 D5  
Silent Power



C38 D5  
Silent Power

## 50 Hz

Model Name	Canopy Type	Enclosed Version (Silent Power)			Noise Level		
		Tank	Dimension (L x W x H)	Wet Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C11 D5	SE-3A	88	1454 x 769 x 1417	638	88	72	62
C15 D5	SE-3A	88	1454 x 769 x 1417	647	88	72	62
C22 D5	SE-4A	144	2124 x 990 x 1575	887	94	77	67
C33 D5	SE-4A	144	2124 x 990 x 1575	923	94	77	67
C38 D5	SE-4A	144	2124 x 990 x 1575	983	94	77	67
C55 D5	SE-4A	144	2124 x 990 x 1575	1054	94	77	67

## 60 Hz

Model Name	Canopy Type	Enclosed Version (Silent Power)			Noise Level		
		Tank	Dimension (L x W x H)	Wet Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C11 D6	SE-3A	88	1454 x 769 x 1417	638	N/A	74	64
C15 D6	SE-3A	88	1454 x 769 x 1417	647	N/A	74	64
C25 D6	SE-4A	144	2124 x 990 x 1575	887	N/A	80	70
C30 D6	SE-4A	144	2124 x 990 x 1575	923	N/A	80	70
C35 D6	SE-4A	144	2124 x 990 x 1575	983	N/A	80	80
C50 D6	SE-4A	144	2124 x 990 x 1575	1054	N/A	80	70

\* @ 75% load.

# 70-250 kVA

## 70-250 kVA @ 50 Hz for Prime and Standby

The open set concept from Cummins Power Generation provides all of the necessary features to limit the installation costs. Thus, sets are equipped with a high capacity fuel tank, starting batteries, manual/automatic controller (PCC1301), three pole circuit breaker and industrial loose silencer.

Integrated fork-lift slots provide exceptional handling capability. Numbers of options are available to customise the set for different applications.



C80 D5  
Open Set



C220 D5  
Open Set

## 50 Hz

Model Name	kVA		kWe		Engine					Alternator	Open Version (PowerSet)		
	ESP	PRP	ESP	PRP	Type	Consumption*	Cyl disp	Bore x Stroke mm	Cubic cap		Dimension (L x W)	Wet Weight (kg)	Tank (L)
C70 D5	70	63	56	50	4BT3.9G4	16 Lph	4L	102 x 120	3.9	UC224F	1950 x 1046	1038	112
C80 D5	80	72	64	58	4BTA3.9G1	17 Lph	4L	102 x 120	3.9	UC224F	1950 x 1046	1050	112
C110 D5	110	100	88	80	4-ISBeG1	25 Lph	4L	102 x 120	3.9	UC274C	1977 x 1046	1200	112
C150 D5	150	136	120	109	6BTA5.9G2	35 Lph	6L	102 x 120	5.9	UC274E	2404 x 1110	1216	340
C180 D5	180	164	144	131	6-ISBeG1	42 Lph	6L	102 x 120	5.9	UC274G	2404 x 1110	1444	340
C200 D5	200	182	160	146	6CTAA8.3G1	45 Lph	6L	114 x 135	8.3	UC274H	2686 x 1300	1900	350
C220 D5	220	200	176	160	6CTAA8.3G1	50 Lph	6L	114 x 135	8.3	UC274H	2686 x 1300	1900	350
C250 D5	250	227	200	182	6CTAA8.3G2	57 Lph	6L	114 x 135	8.3	UCD274J	2686 x 1300	2000	350

## 60 Hz

Model Name	kWe		kVA		Engine					Alternator	Open Version (PowerSet)		
	ESP	PRP	ESP	PRP	Type	Consumption*	Cyl disp	Bore x Stroke mm	Cubic cap		Dimension (L x W)	Wet Weight (kg)	Tank (L)
C60 D6	60	55	75	69	4BT3.9G4	16 Lph	4L	102 x 120	3.9	UC224F	1950 x 1046	1038	112
C70 D6	70	65	88	81	4BTA3.9G2	20 Lph	4L	102 x 120	3.9	UC224F	1950 x 1046	1050	112
C100 D6	100	90	125	113	4-ISBeG1	28 Lph	4L	102 x 120	3.9	UC274C	1977 x 1046	1200	112
C135 D6	135	122	169	153	6BTA5.9G2	41 Lph	6L	102 x 120	5.9	UC274E	2404 x 1110	1216	340
C165 D6	165	150	206	188	6-ISBeG1	48 Lph	6L	102 x 120	5.9	UC274G	2404 x 1110	1444	340
C180 D6	180	165	225	206	6CTAA8.3G1	53 Lph	6L	114 x 135	8.3	UC274H	2686 x 1300	1900	350
C200 D6	200	180	250	225	6CTAA8.3G1	59 Lph	6L	114 x 135	8.3	UC274H	2686 x 1300	1900	350
C225 D6	225	205	281	256	6CTAA8.3G2	68 Lph	6L	114 x 135	8.3	UCD274J	2686 x 1300	2000	350

\* @ 110% load.

See additional information on page 12/13.

# ENCLOSED SET

## 60-225 kWe @ 60 Hz for Prime and Standby

The Cummins Power Generation silent power concept has been designed to meet or exceed the future European legislation 2000/14/EC Step 2006.

The design is modular, so fits directly to the open set for competitiveness and to provide flexibility for manufacturing and availability.



C70 D5  
Silent Power



C250 D5  
Silent Power

## 50 Hz

Model Name	Canopy Type	Enclosed Version (Silent Power)			Noise Level		
		Tank	Dimension (L x W x H)	Wet Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C70 D5	SE-4B10	112	2280 x 1084 x 1478	1778	94	76	67
C80 D5	SE-4B10	112	2280 x 1084 x 1478	1817	94	77	67
C110 D5	SE-4B20	112	2343 x 1084 x 1478	1925	98	81	71
C150 D5	SE-6B10	340	2920 x 1135 x 1710	2340	96	76	67
C180 D5	SE-6B10	340	2920 x 1135 x 1710	2379	98	80	71
C200 D5	SE-6C10	350	3581 x 1360 x 2170	3196	96	76	68
C220 D5	SE-6C10	350	3581 x 1360 x 2170	3196	96	76	68
C250 D5	SE-6C10	350	3581 x 1360 x 2170	3296	96	76	68

## 60 Hz

Model Name	Canopy Type	Enclosed Version (Silent Power)			Noise Level		
		Tank	Dimension (L x W x H)	Wet Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C60 D6	SE-4B10	112	2280 x 1084 x 1478	1778	N/A	80	70
C70 D6	SE-4B10	112	2280 x 1084 x 1478	1817	N/A	80	70
C100 D6	SE-4B20	112	2392 x 1084 x 1478	1925	N/A	84	75
C135 D6	SE-6B10	340	2950 x 1135 x 1710	2340	N/A	83	73
C165 D6	SE-6B10	340	2950 x 1135 x 1710	2990	N/A	83	74
C180 D6	SE-6C10	350	3581 x 1338 x 2170	3196	N/A	84	75
C200 D6	SE-6C10	350	3581 x 1338 x 2170	3196	N/A	83	73
C225 D6	SE-6C10	350	3581 x 1338 x 2170	3296	N/A	83	73

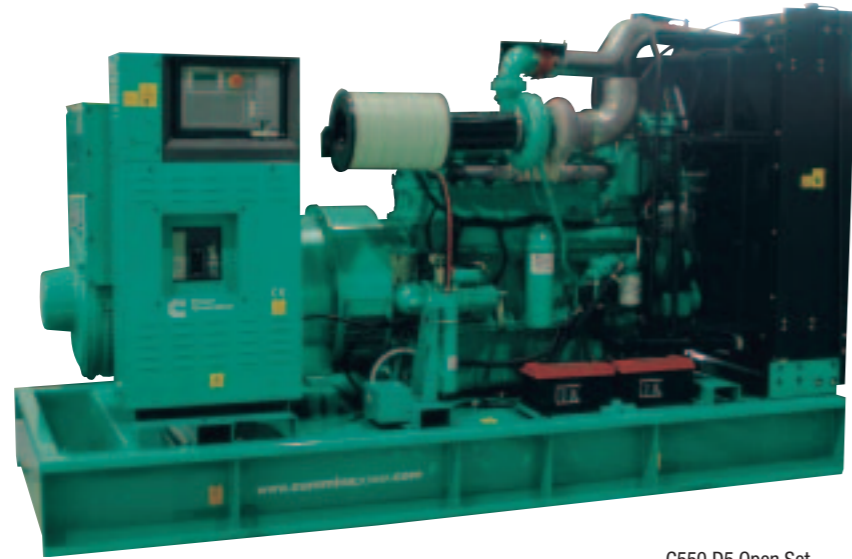
\* @ 75% load.

# 275-550 kVA

## 275-550 kVA @ 50Hz for Prime and Standby

For heavy duty power, Cummins Power Generation offers a level of build which allows the possibility to configure the product according to the requirements of the customer. The PowerCommand controller

and three pole circuit breaker are included in the basic build. A large number of options are available, please see information on page 12/13 for more information.



C550 D5 Open Set

## 50 Hz

Model Name	kVA		kWe		Engine						Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP	Type	TA Luft	Consumption*	Cyl Disp	Bore x Stroke mm	Cubic Cap		Dimension (L x W)	Weight (kg)	Tank (L)
C275 D5	275	250	220	200	QSL9G5	4g	62.5 Lph	6L	140 x 145	9L	UC27 4K	3135 x 1100	2934	604
C300 D5	300	275	240	220	QSL9G5	4g	68.2 Lph	6L	140 x 145	9L	HC4D	3135 x 1100	3157	604
C330 D5	330	300	264	240	QSL9G5	4g	75 Lph	6L	140 x 145	9L	HC4D	3135 x 1100	3157	604
C350 D5	350	320	280	256	NTA855G6		76 Lph	6L	140 x 152	14L	HC4E	3549 x 1100	3448	750
C400 D5	400	360	320	288	NTA855G4		84 Lph	6L	140 x 152	14L	HC4F	3549 x 1100	3643	750
C440 D5	440	400	352	320	NTA855G7		97.3 Lph	6L	140 x 152	14L	HC5C	3549 x 1100	3775	750
C500 D5	500	450	400	360	QSX15G8	4g	103 Lph	6L	137 x 169	15L	HC5C	3376 x 1500	4089	900
C550 D5	550	500	440	400	QSX15G8	4g	123 Lph	6L	137 x 169	15L	HC5D	3376 x 1500	4199	900
DFED	575	500	440	400	KTA19G4		121 Lph	6L	159 x 159	19L	HC5E	3490 x 1467	4410	O
C650 D5A	650	590	520	472	KTA19G8		139 Lph	6L	159 x 159	19L	HC5E	3490 x 1467	4410	O

## 60 Hz

Model Name	kWe		kVA		Engine						Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP	Type	EPA	Consumption*	Cyl Disp	Bore x Stroke mm	Cubic Cap		Dimension (L x W)	Weight (kg)	Tank (L)
C250 D6	250	225	313	281	QSL9G5	4g	57 Lph	6L	140 x 145	9L	UCD2 74K	3135 x 1100	2934	604
C275 D6	275	250	344	313	QSL9G5	4g	65 Lph	6L	140 x 145	9L	HC4D	3135 x 1100	3157	604
C300 D6	300	275	375	344	QSL9G5	4g	89 Lph	6L	140 x 145	9L	HC4D	3135 x 1100	3157	604
C350 D6	350	320	438	400	NTA855G3		96 Lph	6L	140 x 152	14L	HC4F	3549 x 1100	3643	750
C400 D6	400	365	500	456	NTA855G5		110 Lph	6L	140 x 152	14L	HC4C	3549 x 1100	3775	750
C450 D6	450	410	563	513	QSX15G9	T2	117 Lph	6L	137 x 169	15L	HC5C	3376 x 1100	4089	900
C500 D6	500	450	625	563	QSX15G9	T2	136 Lph	6L	137 x 169	15L	HC5D	3376 x 1500	4199	900
DFED	500	450	625	563	KTA19G4		136 Lph	6L	159 x 159	19L	HC5D	3490 x 1467	4410	O

\* @ 110% load.

O Optional

See additional information on page 12/13.

# ENCLOSED SET

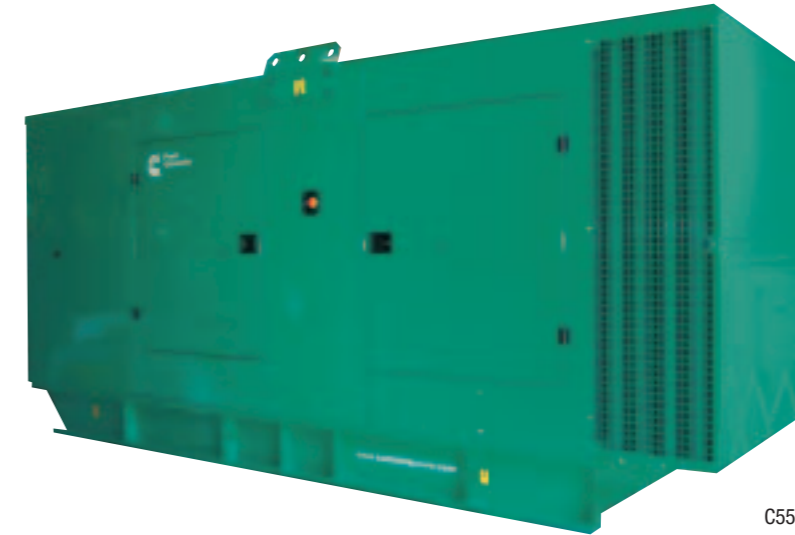
## 275-500 kWe @ 60Hz for Prime and Standby

The Cummins Power Generation silent power concept has been designed to meet or exceed the future European legislation 2000/14/EC Step 2006.

The silent enclosure for this generator set has been designed to meet 80dBA @ 1m, manufactured in

2mm Zintec plated steel, incorporating two point lifts for handling.

The design is modular so fits directly to the open set for competitiveness and provide flexibility for manufacturing and availability.



C550 D5 Silent Power

## 50 Hz

Model Name	Canopy Type	Enclosed					
		Tank	Dimension (L x W x H)	Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C275 D5	SE-6F	691	4248 x 1360 x 2216	4511	97	77	69
C300 D5	SE-6F	691	4248 x 1360 x 2216	4734	97	77	69
C330 D5	SE-6F	691	4248 x 1360 x 2216	4734	97	77	69
C350 D5	SE-6F	900	5110 x 1563 x 2447	5093	98	77	70
C400 D5	SE-6F	900	5110 x 1563 x 2447	5288	99	78	71
C440 D5	SE-6F	900	5110 x 1563 x 2447	5420	99	78	71
C500 D5	SE-6F	900	5110 x 1563 x 2447	5581	99	78	71
C550 D5	SE-6F	900	5110 x 1563 x 2447	5691	100	79	72
DFED	x	x	x	x	x	x	x
C650 D5A	x	x	x	x	x	x	x

## 60 Hz

Model Name	Canopy Type	Enclosed					
		Tank	Dimension (L x W x H)	Weight (kg)	LWA	dBA @ 1m*	dBA @ 7m*
C250 D6	SE-6F	691	4248 x 1360 x 2216	4511	100	80	72
C275 D6	SE-6F	691	4248 x 1360 x 2216	4734	100	80	72
C300 D6	SE-6F	691	4248 x 1360 x 2216	4734	100	80	72
C350 D6	SE-6F	900	5110 x 1563 x 2447	5288	N/A	81	74
C400 D6	SE-6F	900	5110 x 1563 x 2447	5420	N/A	81	74
C450 D6	SE-6F	900	5110 x 1563 x 2447	5581	N/A	82	75
C500 D6	SE-6F	900	5110 x 1563 x 2447	5691	N/A	84	77
DFED	x	x	x	x	x	x	x

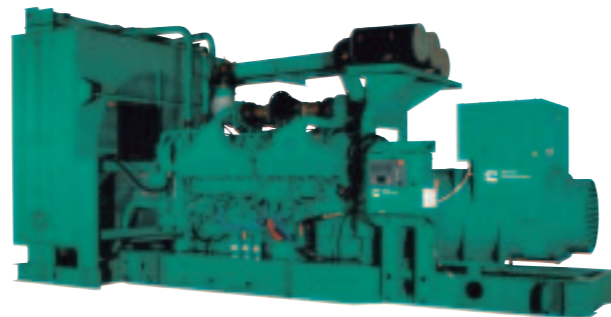
x Not Available.

\* @ 75% load.

# 700-3300 kVA

## 700-3300 kVA @ 50 Hz for Prime and Standby

For the High Horse Power Set, Cummins Power Generation offers a level of build which allows the possibility to configure the genset according to the requirements of the customer. The PowerCommand Control is included and a large number of options are available including remote cooling, see information on page 12/13.



C2250 D5 High Horse Power

Model Name	kVA		kWe		Engine						Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP	Type	TA Luft	Consumpt.*	Cyl Disp	Bore x Stroke mm	Cubic Cap		Dimension (L x W)	Weight (kg)	Tank (L)
DFGB	706	640	565	512	VTA28G5		154 Lph	V12	140 x 152	28	HC5F	3875 x 1423	5665	O
C825 D5	825	750	660	600	QSK23G3		148 Lph	6L	170 x 170	23.2	HC6H	4486 x 1879	7105	x
C825 D5E	825	750	660	600	KTA38G7	2g	165 Lph	V12	159 x 159	37.8	HC6G	4829 x 2033	8439	O
DFGD	825	750	660	600	VTA28G6		180 Lph	V12	140 x 152	28	HC6G	3875 x 1423	6699	O
C900 D5	900	820	720	656	QSK23G3		168 Lph	6L	170 x 170	23.2	HC6H	4486 x 1879	7105	x
C900 D5E	900	818	720	655	KTA38G7	2g	195 Lph	V12	159 x 159	37.8	HC6H	4829 x 2033	8589	O
DFHB	891	800	713	640	QST30G2	4g	187 Lph	V12	140 x 165	30.5	HC6H	4460 x 1640	6141	O
DFHC	1041	939	833	751	QST30G3		204 Lph	V12	140 x 165	30.5	HC6J	4460 x 1640	6141	O
C1000 D5E	1000	909	800	727	KTA38G7	2g	215 Lph	V12	159 x 159	37.8	HC6H	4829 x 2033	8589	O
DFHD	1110	1000	888	800	QST30G4		224 Lph	V12	140 x 165	30.5	HC6K	4547 x 1722	8000	O
C1100 D5E	1100	1000	880	800	KTA50G7	2g	232 Lph	V16	159 x 159	50.3	HC6J	5327 x 2033	10819	O
DFJD	1132	1029	906	823	KTA38G5		228 Lph	V12	159 x 159	37.8	HC6K	4470 x 1785	8350	O
C1250 D5A	1250	1125	1000	900	KTA38G9		256 Lph	V12	159 x 159	37.8	LV6G	4750 x 2100	8850	O
C1400 D5	1400	1250	1120	1000	KTA50G3		293 Lph	V16	159 x 159	50.3	P7B	5105 x 2000	10963	O
C1400 D5E	1400	1250	1120	1000	KTA50G7	2g	303 Lph	V16	159 x 159	50.3	P7B	5690 x 2033	10963	O
C1675 D5	1675	1400	1340	1120	KTA50G8		345 Lph	V16	159 x 159	50.3	P7D	5866 x 2033	11921	O
C1675 D5A	1675	1500	1340	1200	KTA50GS8		345 Lph	V16	159 x 159	50.3	P7D	5866 x 2033	11921	O
C1760 D5E	1760	1600	1408	1280	QSK60GS3	2g	323 Lph	V16	159 x 190	60.2	P7D	6175 x 2286	14774	x
C2000 D5	2063	1875	1650	1500	QSK60G3		406 Lph	V16	159 x 190	60.2	P7F	6175 x 2286	15012	x
C2000 D5E	2000	1818	1600	1455	QSK60GS3	2g	432 Lph	V16	159 x 190	60.2	P7F	6175 x 2286	15012	x
C2250 D5	2250	2000	1800	1600	QSK60G4		437 Lph	V16	159 x 190	60.2	P7G	6175 x 2286	15510	x
C2200 D5E	2200	2000	1760	1600	QSK60GS3	2g	467 Lph	V16	159 x 190	60.2	P7G	6175 x 2286	15510	x
C2500 D5A	2500	2250	2000	1800	QSK60G8	4g	500 Lph	V16	159 x 190	60.2	P80R	6175 x 2494	17217	x
DQLB	3325	3000	2660	2400	QSK78G6		662 Lph	V18	170 x 190	77.6	LVS1824G	7178 x 2251	25390	x

Model Name	kWe		kVA		Engine						Alternator	Open Version (Open Set)		
	ESP	PRP	ESP	PRP	Type	EPA	Consumpt.*	Cyl Disp	Bore x Stroke mm	Cubic Cap		Dimension (L x W)	Weight (kg)	Tank (L)
DFGB	603	545	754	681	VTA28G5		173 Lph	V12	140 x 152	28	HC5F	3875 x 1423	5665	O
C750 D6	779	704	974	880	QSK23G3	T1	189 Lph	6L	170 x 170	23.15	HC6H	4414 x 1738	6668	x
DFHB	810	736	1013	920	QST30G2	T1	227 Lph	V12	140 x 165	30.48	HC6H	4460 x 1640	6141	O
C825 D6	825	750	1031	938	QSK23G3	T1	212 Lph	6L	170 x 170	23.15	HC6H	4414 x 1738	6823	x
DFHC	925	835	1156	1044	QST30G3		228 Lph	V12	140 x 165	30.48	HC6H	4460 x 1640	6141	O
DFHD	1000	910	1250	1138	QST30G4		267 Lph	V12	140 x 165	30.48	HC6J	4547 x 1722	8000	O
DFJD	1020	928	1275	1160	KTA38G4		271 Lph	V12	159 x 159	37.8	HC6J	4470 x 1785	8600	O
C1250 D6	1270	1120	1588	1400	KTA50G3		330 Lph	V16	159 x 159	50.3	P7B	5690 x 2033	10963	O
C1500 D6	1545	1286	1931	1608	KTA50G9	T1	392 Lph	V16	159 x 159	50.3	P7C	5866 x 2033	12135	O
C2000 D6	2000	1825	2500	2281	QSK60G6	T1	521 Lph	V16	159 x 190	60.2	P7F	6175 x 2286	15296	x
C2250 D6A	2250	N/A	2813	N/A	QSK60G9	T1	500 Lph	V16	159 x 190	60.2	P7G	6175 x 2494	15781	x
DQLA	2700	2435	3375	3044	QSK78G6	T1	662 Lph	V18	170 x 190	77.6	LVS1824E	5458 x 2251	23000	x

See additional information on page 12/13.

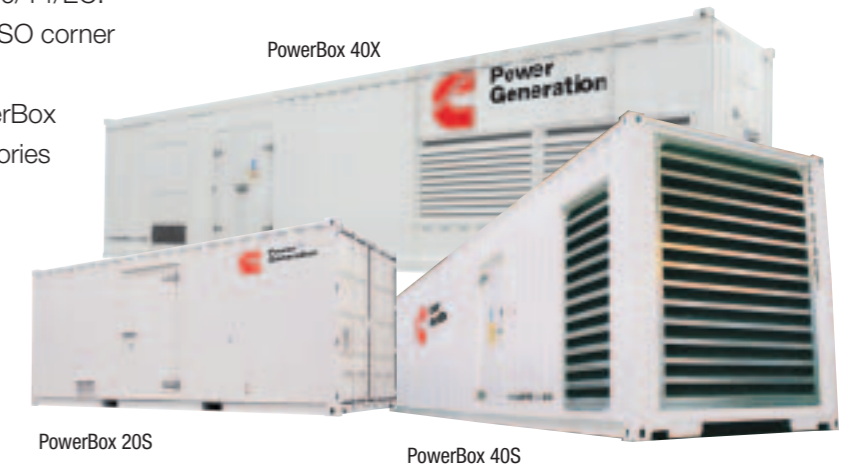
\* @ 110% load.

O Optional x Not Available.

# ENCLOSED SET

## 600-2700 kWe @ 60 Hz for Prime and Standby

The PowerBox is available in two sizes and noise levels compliant with EC regulations 2000/14/EC. The PowerBox is CSC designed with 4 ISO corner and pole slots for shipment. Within the Silent power design the PowerBox integrates all Open Set specified accessories such as fuel tank, residential silencer, batteries and circuit breaker.



PowerBox 20S

PowerBox 40S

Model Name	PowerBox Model	Tank (optional)	Dimension	50 Hz		PowerBox Model	Tank (standard)	Dimensions	SuperSilenced	
				Silent Power					dBA @ 1m*	dBA @ 7m*
				dBA @ 1m*	dBA @ 7m*					
DFGB	PB-20S	500 L	20' ISO	80	75	x	x	x	x	x
DFGD	PB-20S	500 L	20' ISO	80	75	x	x	x	x	x
DFHB	PB-20S	500 L	20' ISO	80	75	x	x	x	x	x
DFHC	PB-20S	500 L	20' ISO	80	75	x	x	x	x	x
DFJC	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
DFHC	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
DFJD	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
C1400 D5	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
C1675 D5	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
C1675 D5A	PB-40S	500 L	40' ISO HC	82	77	x	x	x	x	x
C2250 D5	x	x	x	x	x	PB-40X	2000 L	40'	82	77
C2200 D5E	x	x	x	x	x	PB-40X	2000 L	40'	82	77

\* @ 75% load.

Model Name	PowerBox Model	Tank (optional)	Dimension	60 Hz		PowerBox Model	Tank (standard)	Dimensions	SuperSilenced	
				Silent Power					dBA @ 1m*	dBA @ 7m*
				dBA @ 1m*	dBA @ 7m*					
DFGB	PB-20S	500 L	20' ISO	87	82	x	x	x	x	x
DFHB	PB-20S	500 L	20' ISO	87	82	x	x	x	x	x
DFJC	PB-40S	500 L	40' ISO HC	89	84	x	x	x	x	x
DFHC	PB-20S	500 L	20' ISO	87	82	x	x	x	x	x
DFJD	PB-40S	500 L	40' ISO HC	89	84	x	x	x	x	x
C1250 D6	PB-40S	500 L	40' ISO HC	89	84	x	x	x	x	x
C1500 D6	PB-40S	500 L	40' ISO HC	89	84	x	x	x	x	x

x Not Available.

\* @ 75% load.

# SPECIFICATIONS AND OPTIONS

## PRIME POWER RATING (PRP) – (for variable load applications)

These ratings are applicable for supplying electrical power to variable load applications in lieu of commercially available power. A 10% overload power is available for one hour in any twelve hour period.

## STANDBY POWER RATING (ESP) – (for variable load applications)

These ratings are applicable for supplying emergency power for the duration of a utility power interruption where a reliable utility supply exists. No overload, utility parallel or negotiated outage operation capability is available at this rating.

## All ratings are based on the following reference conditions:

- Ambient temperature – 27°C
- Altitude above sea level – 150 metres
- Relative humidity – 60%

Declared output power may be subject to derate if the above conditions are exceeded.

Short term parallel operation with the utility, for load transfer purposes only, is permitted with all ratings.

## For comprehensive conditions of application including COP and LTP, please refer to factory.

This document lists the main specifications and options of the genset. For other customer specified requirements please consult your nearest Cummins Power Generation distributor.

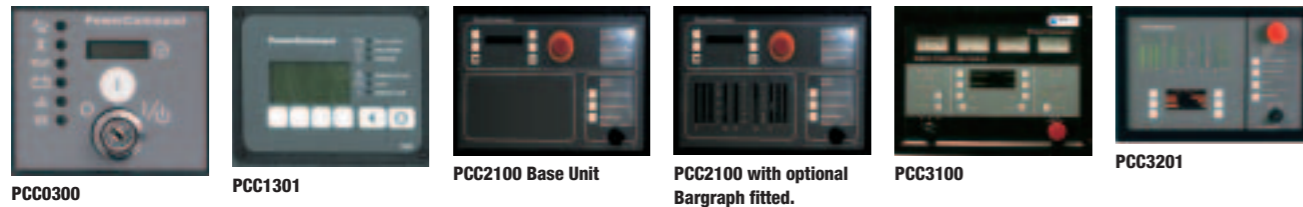
- Std
- Optional
- x Not Available

Specifications and Options		C11-C15	C22-C55 (B3.3)	C70-C80 (B3.9)	C100-C180 (ISBe-B5.9)	C180-C250 (6C)	QSL	NTA	QSL15	QSL23	KTA19	VTA28 QST30	K38	KTA50	QSK60 QSK78	
Engine	4 Stroke water cooled Diesel engine	Kubota	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	
	Mechanical governing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Electronical governing	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Standard air filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Heavy Duty air filter	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Water jacket heater 220/240 v	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Radiator	Radiator for 40°C ambient temperature	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Radiator for 50°C ambient temperature	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Radiator for 55°C ambient temperature	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Antifreeze 25/75 (Ethylene glycol)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Antifreeze 50/50 (Ethylene glycol)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Delivered without coolant	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Alternator	Fan and belt guards	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Core guards	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Alternator single bearing T° = class H, Isol. = class H	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Alternator heater	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	High humidity isolation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Paralleling CT's + 3 function governor	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Control Panel	Exciter voltage regulator – PMG 3 phase sensing	x	x	○	○	○	○	○	○	○	○	○	○	○	○	
	IP23	●	●	○	○	○	○	○	○	○	○	○	○	○	○	
	PCC 0300	●	x*	x	x	x	x	x	x	x	x	x	x	x	x	
	PCC 1301	○	●	●	●	●	●	●	●	●	●	●	●	●	●	
	PCC 2100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	PCC 3100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Genset	PCC 3201	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Alternator mounted (rear side)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Alternator mounted (right side from engine)	x	x	●	●	●	●	x	x	x	x	○	○	○	x	
	Alternator mounted (left side from engine)	x	x	○	○	○	○	x	x	x	x	x	x	x	x	
	Pedestal Side mounted (right side from engine)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Pedestal Side mounted (left side from engine)	●	●	x	x	x	○	○	x	x	x	x	x	x	x	
Oil	CE compliance	●†	●†	●	●	●	●	●	●	●	●	●	●	●	●	
	CSA/NRTL/C compliance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	3 pole Main Circuit Breaker	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	4 pole Main Circuit Breaker	●	●	○	○	○	○	○	○	○	○	○	○	○	○	
	Base Frame with AVM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Handling by 2 fork slots integrated	x	x	●	●	●	●	x	x	x	x	x	x	x	x	
Silencer	4 direction handling by pallet jack and fork slots	●	●	x	x	x	x	x	x	x	x	x	x	x	x	
	4 eyes for lifting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Manual handbook multi language (Eng/Fre/Spa)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Manual handbook, specify language	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	2 years warranty for standby application, 1 year for Prime	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	5 years extension warranty for Standby application	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Battery	2 years extension warranty for Prime application	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Packing export box	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Delivered in Munsell Green under plastic shrinked	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Oil tap	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Oil sump pump	x	x	○	○	○	○	○	○	○	○	○	○	○	○	
	9 dB attenuation critical silencer delivered loose	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Fuel	9 dB attenuation critical silencer not delivered	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	25 dB attenuation residential silencer delivered loose	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	35 dB attenuation critical silencer	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Silencer extension	○	○	○	○	○	○	x	x	x	x	x	x	x	x	
	Silencer flexible	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Stainless bellows	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Silent enclosure (Silent Power)	Heat shields on open sets	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Starter and charge alternator	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Starting batteries with cables and bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Starting batteries and bracket not delivered, cables last	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Battery isolator	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Large fuel tank integrated in the base frame (PVC type)	x	x	●	●	●	●	x	x	x	x	x	x	x	x	
Silent Container (PowerBox)	Large fuel tank integrated in the base frame (metal type)	x	x	○	○	○	x	x	x	x	x	x	x	x	x	
	Large fuel tank integrated in the base frame (welded)	●	●	x	x	x	●	●	●	●	●	●	●	●	●	
	Bundling for all fluids	●	●	x	x	x	○	○	○	○	○	○	○	○	○	
	Large fuel tank bolted under the base frame (double skin)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	Fuel automatic make up	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Fuel pre-filter/water separator	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
PowerBox	500 litres free-standing fuel tank delivered loose	x	x	x	x	x	○	○	○	○	○	○	○	○	○	
	Silent Power canopy	○	○	○	○	○	○	○	○	○	x	x	x	x	x	
	Delivered in Munsell Green under plastic shrinked	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
	Special colour in replacement of Munsell Green	○	○	○	○	○	○	○	○	○	x	x	x	x	x	
	Modular structure in bolted sheet metal	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
	Complete process with degreasing before powder coating	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
Fuel tank	Fitting with seal to prevent water ingress	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
	4 direction handling by pallet jack and fork slots	●	●	x	x	x	x	x	x	x	x	x	x	x	x	
	Handling by 2 fork slots integrated	●	x	●	●	●	●	x	x	x	x	x	x	x	x	
	Numbers of point lift	1	1	x	x	2	2	2	2	2	x	x	x	x	x	
	Fixed window for control panel	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
	External emergency stop button	●	●	●	●	●	●	●	●	●	x	x	x	x	x	
Other	Residential silencer integrated to the canopy	●	●	●	●	●	●	●	●	x	x	x	x	x	x	
	Number of doors with Single key latches	3	4	4	4	4	4	4	4	x	x	x	x	x	x	
	Oil sump pump	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
	PowerBox model (see specific information on page 11)	x	x	x	x	x	x	x	x	x	x	x	PB 20S	PB 40S	PB 40S	PB40X
	CSC approval for shipment	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●
	Residential silencer integrated to the container	-	-	-	-	-	-	-	-	-	-	-	wood	wood	wood	metal
Container	Floor	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	Bundling in sheet metal	-	-	-	-	-	-	-	-	-	-	2	2	2	5	
	Access doors	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	Weather louver air outlet	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	24 volts light with timer	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	Emergency light and security fuel shut off valve	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
Lighting	Lighting/European standard outlets 220V	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	Fuel tank 500 litres, non bunded	-	-	-	-	-	-	-	-	-	-	●	●	●	●	
	Fuel tank none	-	-	-	-	-	-	-	-	-	-	○	○	○	○	
	Fuel tank 500 litres, bunded	-	-	-	-	-	-	-	-	-	-	x	○	○	x	
	Fuel tank non bunded, 2000 litres (not suitable for critical start)	-	-	-	-	-	-	-	-	-	-	x	○	○	x	
	Fuel tank double wall, 4000 litres (not suitable for critical start)	-	-	-	-	-	-	-	-	-	-	x	x	x	○	

\* PCC 0300 standard on C22.

† PCC 1301 controller or above.

Industry Leading Controls



	Main Features	Control Model				
		PCC 0300	PCC 1301	PCC 2100	PCC 3100	PCC 3201
General	AVR	x	●	●	●	●
	Electronic Governing	x	0	●	●	●
	Glow Plug Control	●	●	●	x	x
	Cycle Cranking	●	●	●	●	●
	Full Authority Engine Control	x	0	0	x	●
	Networking (LonWorks)	x	x	0	0	0
	Fault History	x	●	●	●	●
	Manual Start/Stop	●	●	●	●	●
	Auto/Remote Start	●	●	●	●	●
	Exercise Function	x	x	x	x	●
Operator Interface	Auto LED	x	●	x	x	x
	Not In Auto LED	x	●	●	●	●
	Manual LED	x	●	●	x	●
	Common Shutdown LED	x	●	●	x	●
	Common Warning LED	x	●	●	x	●
	Exercise LED	x	x	x	x	●
	Fail to Start LED	●	x	●	x	x
	Emergency Stop (Local & Remote)	●	●	●	●	●
	Alpha/Numeric Screen	x	●	●	●	●
	Remote Start Input Active LED	x	●	●	x	●
Measurement & Instrumentation	Fault Reset	●	●	●	●	●
	Oil Pressure	x	●	●	●	●
	Oil Temperature	x	x	0	0	0
	Water Temperature	x	●	●	●	●
	Engine Speed	x	●	●	●	●
	Hours Run	●	●	●	●	●
	Number of Starts	x	●	●	●	●
	Battery Voltage	x	●	●	●	●
	Exhaust Temperature	x	x	x	0	0
	3 Phase L-L & L-N Voltage & Frequency	x	●	●	●	●
Alternator	3 Phase Current	x	●	●	●	●
	kWh	x	x	●	●	●
	Total kVA	x	●	●	●	●
	Total kW & kVAr	x	x	●	x	●
	PF	x	x	●	●	●
	Per Phase kVAr, kW	x	x	●	x	●
	Per Phase kVa	x	x	●	x	●
	Per Phase kVA	x	x	●	x	●
Shutdown Protection & Indication	Low Fuel Level	x	0	0	●	●
	High Fuel Level	x	x	0	x	x
	Low Oil Pressure	●	●	●	●	●
	High Engine Coolant Temperature	●	●	●	●	●
	Failure to Crank Shutdown	x	●	●	●	●
	Over Crank (Failure to Start)	●	●	●	●	●
	Overspeed	●	●	●	●	●
	Under & Over Voltage	x	●	●	●	●
	Under & Over Frequency	●*	●	●	●	●
	Overcurrent	x	●	●	●	●
Alternator	Earth Leakage	x	0	0	0	0
	Reverse Power	x	x	●	●	●
	Reverse VAR	x	x	●	x	●
	Reverse VAR	x	x	●	x	●

\* Under frequency only

	Main Features	Control Model				
		PCC 0300	PCC 1301	PCC 2100	PCC 3100	PCC 3201
Threshold Warning Indications	Low Oil Pressure	x	●	●	●	●
	Low Engine Coolant Temperature	x	●	●	●	●
	High Engine Coolant Temperature	x	●	●	●	●
	Low Coolant Level	x	x	●	●	●
	Low Battery Voltage	x	●	●	●	●
	High Battery Voltage	x	●	●	●	●
	Batt. Alt. Charge Fault	●	●	x	x	x
	Over Current	x	●	●	●	●
	Overload	x	●	x	●	x
	Paralleling Capability	Auto Synchronising (Isolated Bus)	x	x	x	0
kW & VAR Load Sharing Control		x	x	x	0	0
Auto Synchronising (Utility Bus)		x	x	x	0	0
Base Load (Utility Bus)		x	x	x	0	0
Synchroscope		x	x	x	0	0
Peak Lopping	x	x	x	0	0	
Power Transfer Function	Open Transition Transfer	x	x	0	x	0
	Hard Closed Transition	x	x	x	x	0
	Soft Closed Transition (ramping)	x	x	x	x	0
	Transfer & Base Load (Utility)	x	x	x	x	0
	Gen/Mains Breaker Control	x	x	0	x	0
Environment	Gen/Mains Breaker Status Protection	x	x	0	x	0
	Operating Temperature Range -40°C to +70°C	-25 to +50°C	●	●	●	●
	Operating Temp. User Interface -20°C to +70°C	N/A	●	N/A	N/A	N/A
	Humidity up to 95% (non condensing)	90%	●	●	●	●
	Codes & Standards	CE Compliant	●	●	●	●
NFPA110		x	x	●	●	●
UL508 Listed		x	x	●	●	●
Customer Configurable Inputs & Outputs	UL Certified	●	●	●	●	●
	Digital Inputs-2 (shutdown, warning or status)	x	●	N/A	N/A	N/A
	Digital Inputs-4 (shutdown, warning or status)	x	x	●	●	●
	Relay Outputs-2	x	●	N/A	N/A	N/A
Relay Outputs-4	x	x	●	●	●	

- Standard
- x Not Available
- 0 Option
- N/A Not Applicable

Digital System Controls



Today, having a reliable, flexible, and easy-to operate on-site power generation system is more important than ever before.

Whether your on-site power system is relied on for prime power, emergency backup, or for taking advantage of power sharing opportunities with your local utility, the key to getting all these benefits and more is the advanced PowerCommand Digital Paralleling System from Cummins Power Generation.

No other system offers all the benefits you get with PowerCommand Digital Paralleling. From true digital control of start-up, synchronisation, and seamless power transitions – to sophisticated diagnostics, remote monitoring, and networkability – PowerCommand Digital Paralleling Systems are without equal.

Automatic Transfer Switches

GTEC

GTEC series transfer switches covering the range 63 to 1250 amps - provide normal and generator set source monitoring, generator set starting, and load transfer functions for emergency, standby, and optional standby applications. GTEC transfer switches are continuously rated, so they can be applied in applications up to their nameplate rating.

The transfer switch power contacts are silver alloy composition with high-pressure design that can withstand thousands of switching cycles without burning, pitting, or welding. They require no routine contact maintenance and provide 100% continuous current ratings.

The transfer switch control is reliable and easy to understand, utilizing LED lamps for status indications, and push-button controls for operator functions. The control is field-programmable without the use of service tools.



Air Circuit Breakers

A highly reliable changeover switch panel suitable for power applications covering the range 1250 to 6300 amps, the panel is provided complete with an integral door mounted AMF module to facilitate operator ease of use. The changeover switch is supplied complete in a sheet steel enclosure with a full width hinged and lockable access door housing the following equipment: – twin - three or four pole mechanically and electrically interlocked mains/standby changeover withdrawable Air Circuit Breaker's. (ACB's)

Conforming to the following International Standards: –

IEC/EN 60947-4-1 AC1, IEC 158-1, VDE 0106, BS4794. IEC/EN 60439-1.

CE Compliant

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