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Cummins Power Generation

Our energy working for you.™

ARMSTRONG Power

Full Product Line
South Pacific

Fully Integrated, Reliable, Efficient

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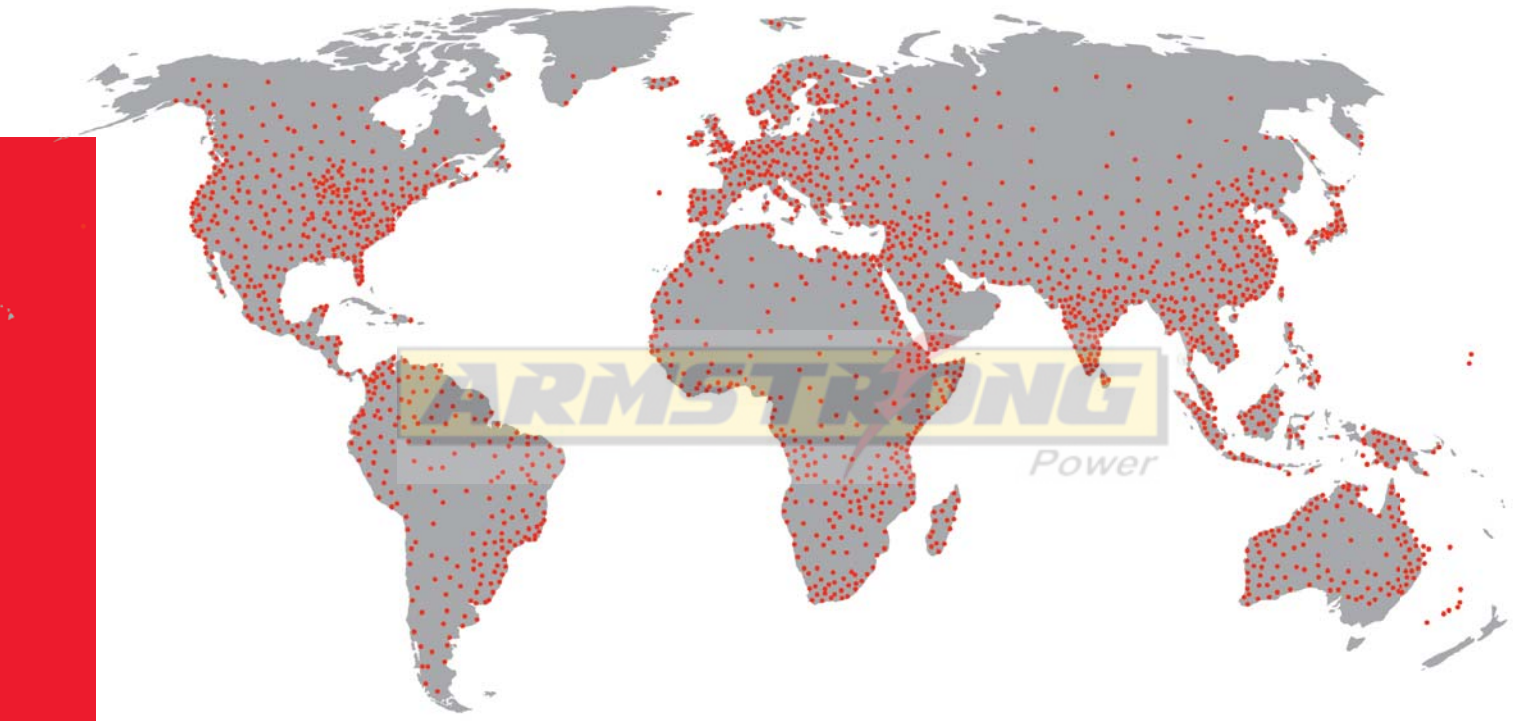
Global Power Leader



With more than 90 years of experience in power generation and an extensive global distributor network across 190 countries, Cummins Power Generation is ready to match the right generating, transfer and control technologies with your power needs — whether you require continuous, prime, peaking or standby power; cogeneration; or a complete turnkey power plant.

- 40,000 employees in 190 countries
- 88 manufacturing facilities
- 19 technical centers
- 6,000 sales and service locations
- 20 parts distribution centers
- 600 distributors

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Global strength, local partnership

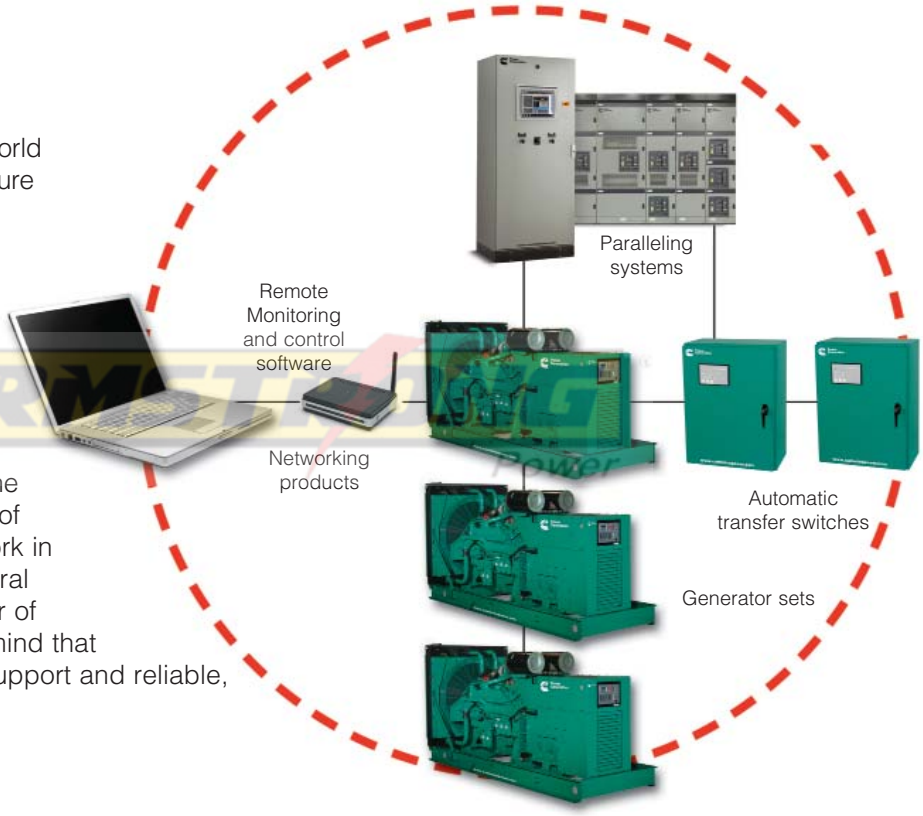
Our global network of 600 distributors and 6,000 sales and service outlets across 190 countries guarantees a face-to-face relationship wherever our products are operating, providing you with fast access to reliable service, engineering expertise and parts support.

Total solutions provider

Cummins Power Generation is a world leader in the design and manufacture of pre-integrated generator sets, ranging from 8 kVA to 3000 kVA.

All major components – engine, alternator, transfer switches and control systems – are designed and manufactured by Cummins.

Because they are designed by one manufacturer, all of the elements of our power generation systems work in harmony from the start. This integral approach – that we call the Power of One™ – gives you the peace of mind that comes from premium customer support and reliable, trouble-free operation.



What makes us different?

Cummins Power Generation is about more than innovative technologies meeting your needs. The key difference is our people, who live by a simple set of rules we call **"The Three Rs".**

Reliability

When you need real power you can depend on us to deliver unrivalled reliability. We do what we say we will, and more. We keep our promises.

Relationships

At Cummins you are in touch with real people you can trust and rely on. Wherever and whenever you need us, we'll be there for you.

Responsiveness

We strive to provide same-day answers, turnkey solutions, quick delivery, split-second start-up and a phone that is answered 24 hours a day, seven days a week.

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Low-Emissions Technologies

Meeting the latest emissions requirements with our fully integrated generator sets applications.

We are committed to meeting or exceeding clean air standards worldwide.

Leading the industry in advanced emissions solutions, we ensure that our generator sets meet U.S. EPA and EU emissions standards wherever possible.

Our strong history of emission leadership has enabled us to develop our own emission solutions package in accordance with EPA and EU regulations and requirements.

Developing products for a cleaner tomorrow

Cummins Power Generation leads the industry in the development of cleaner, quieter and more efficient diesel-powered generator sets. We are committed to meeting or exceeding all global air quality regulatory standards for stationary and nonroad diesel-engine generator sets through 2017 and beyond. This protects public health and conserves vital natural resources.

New technologies to reduce emissions

Since 1996 in the US (EPA) and 1999 in the EU when emissions regulations for nonroad diesel engines first went into effect, Cummins Power Generation has developed technologies that reduce the primary pollutants in the exhaust of a diesel generator set by approximately 80 percent. Pollutants such as nitrogen oxides (NOx), hydrocarbons (HC) and particulate matter (PM) from diesel engines are precursors to smog and ozone in many populated areas of the world. All our emissions-reduction technologies are accomplished through in-cylinder design improvements and precise control of the combustion process.

ARMSTRONG Power

"The Royal North Shore hospital in Sydney, Australia chose a Cogeneration solution from Cummins Power Generation to meet emission targets and improve energy efficiency as part of a major expansion."

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Diesel Generator Sets - 11 kVA to 1100 kVA (50 Hz)

Integrated design and manufacturing combine to give you unequalled reliability, power quality, rated performance and efficient operation.

Model	Standby Ratings		Prime Ratings		Engine Model	Emissions Compliance EU/TAL/EPA	Standard Alternator	Standard Controller	Dimensions (mm) L x W x H	Wet Weight without fuel (kg)	Tank
	kVA	kW	kVA	kW							(L)
C8 D5	8	6	7	6	X1.3-G2		PI044D	1.1	1460 x 850 x 1130	596	100
C11 D5*	11	8.8	10	8	X1.3-G2		PI044E	1.1	1460 x 850 x 1130	596	100
C17 D5	16.5	13	15	12	X2.5-G2		PI044G	1.1	1667 x 930 x 1224	587	150
C22 D5	22	17	20	16	X2.5-G2		PI144D	1.1	1667 x 930 x 1247	582	150
C28 D5	27.5	22	25	20	X2.5-G2		PI144E	1.1	1667 x 930 x 1224	562	150
C33 D5	33	26	30	24	X3.3-G1		PI144G	1.1	1753 x 930 x 1237	875	150
C38 D5	38	30	35	28	X3.3-G1		PI144H	1.1	1753 x 930 x 1237	910	175
C44 D5	44	35	40	32	S3.8-G4		UCI224C	1.1	2115 x 1044 x 1518	945	150
C55 D5	55	44	50	40	S3.8-G6		UCI224D	1.1	2115 x 1044 x 1518	958	150
C66 D5	66	53	60	48	S3.8-G7		UCI224F	1.1	2115 x 1044 x 1518	1005	150
C55 D5e	55	44	50	40	4BT3.3-G3	II	UCI224D	1.1	1853 x 930 x 1346	937	144
C90 D5	90	72	82	67	6BTA5.9-G5		UCI224G	1.2	2268 x 1100 x 1575	1252	350
C110 D5	110	88	100	80	6BTA5.9-G5		UCI274C	1.2	2268 x 1100 x 1575	1272	350
C150 D5	150	120	136	109	6BTA5.9-G2	IIIA / T3	UCI274E	1301	2404 x 1100 x 1472	1216	455
C175 D5e	175	140	160	128	QSB7-G5	IIIA / T3	UCI274F	1.2	2656 x 1100 x 1658	1572	455
C200 D5e	200	160	183	146	QSB7-G5	IIIA / T3	UCI274H	1.2	2656 x 1100 x 1658	1670	455
C220 D5e	220	176	200	160	QSB7-G5	IIIA / T3	UCI274H	1.2	2656 x 1100 x 1658	1670	455
C250 D5	250	200	227	182	6CTAA8.3-G2	4g	UCDI274J	1301	2686 x 1300 x 1592	2472	340
C275 D5	275	220	250	200	QSL9-G5	4g	UCDI274K	1.2	3086 x 1360 x 1928	2347	508
C330 D5	330	264	300	240	QSL9-G5	4g	HCI4D	1.2	3086 x 1360 x 1928	2650	508
C350 D5	350	280	320	256	NT855-G6		HCI4E	2100	3376 x 1500 x 2078	3386	900
C400 D5	400	320	360	288	NTA855-G4		HCI4F	2100	3376 x 1500 x 2078	3563	900
C400 D5e	400	320	364	291	QSX15-G8	II	HCI4F	2.2	3427 x 1500 x 2066	3878	711
C450 D5e	450	360	409	327	QSX15-G8	II	HCI5C	2.2	3427 x 1500 x 2066	4121	711
C550 D5e	550	440	500	400	QSX15-G8	II	HCI5E	3.3	3427 x 1500 x 2066	4975	711
C825 D5	825	660	750	600	QSK23-G3		HCI6G	3201	4486 x 1879 x 2052	6528	option
C900 D5	900	720	820	656	QSK23-G3		HCI6H	3201	4486 x 1879 x 2052	6680	option
C1000 D5	1000	833	939	751	QST30-G3		HCI6K	3.3	4297 x 1685 x 2079	6842	option
C1100 D5	1110	888	1000	800	QST30-G4		HCI6K	3.3	4460 x 1685 x 2332	7903	option

* Enclosed set only

C220 D5e / C200 D6e

C330 D5 / C300 D6

C550 D5e

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Diesel Generator Sets - 12 kW to 1000 kW (60 Hz)

Powered by heavy-duty Cummins engines, PowerCommand® diesel generator sets are known for their fuel efficiency, responsive transient performance and rugged reliability.

Model	Standby Ratings		Prime Ratings		Engine Model	Emissions Compliance EU/TAL/EPA	Standard Alternator	Standard Controller	Dimensions (mm) L x W x H	Wet Weight without fuel (kg)	Tank
	kVA	kW	kVA	kW							(L)
C12D6	15	12	13	11	X2.5-G4		PI044F	1.1	1667 x 930 x 1247	569	150
C16D6	20	16	18	15	X2.5-G4		PI044H	1.1	1667 x 930 x 1247	569	150
C20D6	25	20	22	18	X2.5-G4		PI144D	1.1	1667 x 930 x 1247	582	150
C30D6	37	30	33	27	X3.3-G2		PI144G	1.1	1753 x 930 x 1250	875	175
C35D6	43	35	40	32	X3.3-G2		PI144H	1.1	1753 x 930 x 1250	910	175
C40 D6	50	40	45	36	S3.8-G8		UCI224C	1.1	2115 x 1044 x 1516	1105	150
C50 D6	62	50	56	45	S3.8-G9		UCI224D	1.1	2115 x 1044 x 1516	1120	150
C60 D6	75	60	67	54	S3.8-G10		UCI224E	1.1	2115 x 1044 x 1516	1145	150
C40 D6	50	40	45	36	4BT3.3-G3		UCI224C	1.1	1753 x 930 x 1256	776	107
C50 D6	62	50	56	45	4BT3.3-G3		UCI224D	1.1	1753 x 930 x 1256	776	107
C80 D6	100	80	90	72	6BTA5.9-G6		UCI224G	1.2	2268 x 1094 x 1576	1574	350
C100 D6	125	100	114	91	6BTA5.9-G6		UCI274C	1.2	2268 x 1094 x 1576	1598	350
C135 D6	169	135	153	122	6BTA5.9-G2		UCI274E	1301	2404 x 1100 x 1472	1206	310
C150 D6e	188	150	169	135	QSB7-G5	T3	UCI274F	1.2	2656 x 1100 x 1658	1572	530
C175 D6e	218	175	200	160	QSB7-G5	T3	UCI274H	1.2	2656 x 1100 x 1658	1670	530
C200 D6e	250	200	225	180	QSB7-G5	T3	UCI274H	1.2	2656 x 1100 x 1658	1670	530
C225 D6	281	225	256	205	6CTAA8.3-G2		UCDI274J	1301	2686 x 1300 x 1547	2000	376
C250 D6	313	250	282	225	QSL9-G5		UCDI274K	1.2	3086 x 1360 x 1928	2570	608
C275 D6	344	275	313	250	QSL9-G5		HCI4D	1.2	3086 x 1360 x 1928	2570	608
C300 D6	375	300	344	275	QSL9-G5		HCI4D	1.2	3086 x 1360 x 1928	2570	608
C350 D6	438	350	400	320	NTA855-G3		HCI4F	2100	3549 x 1100 x 2078	3563	706
C400 D6	500	400	456	365	NTA855-G5		HCI5C	2100	3549 x 1100 x 2115	3683	706
C450 D6e	562	450	511	409	QSX15-G9	T2	HCI5C	2.2	3427 x 1500 x 2066	4121	711
C500 D6e	625	500	568	455	QSX15-G9	T2	HCI5D	2.2	3427 x 1500 x 2066	4271	711
C600 D6	754	603	681	545	VTA28-G5		HCI5F	3.3	4047 x 1608 x 1942	5760	option
C750 D6	938	750	850	680	QSK23-G3		HCI6H	3201	4266 x 1879 x 2052	6528	option
C800 D6	1000	800	906	725	QSK23-G3		HCI6H	3201	4266 x 1879 x 2052	6528	option
C900 D6	925	1156	835	1044	QST30-G3		HCI6J	3.3	4297 x 1685 x 2079	7374	option
C1000 D6	1265	1012	1150	920	QST30-G4		HCI6K	3.3	4571 x 1702 x 2332	7374	option
C1000 D6B	1276	1020	1160	928	KTA38-G4		HCI6K	3.3	4470 x 1785 x 2229	8350	option

High-performance, low-reactance Cummins-manufactured alternators provide good voltage waveform and exceptional motor starting in demanding applications such as data centers, hospitals and industrial facilities.

Cooling systems are prototype-tested to provide guaranteed performance in high ambient temperatures.

Our generator sets are controlled by the world's first fully integrated microprocessor-based control system. This seamlessly integrates governing, voltage regulation, generator set control and protection functions to provide:

- Rapid product availability
- Proven reliability and low life-cycle costs
- High efficiency and operational flexibility
- High-quality electrical performance
- Well-established service and fuel supply infrastructure

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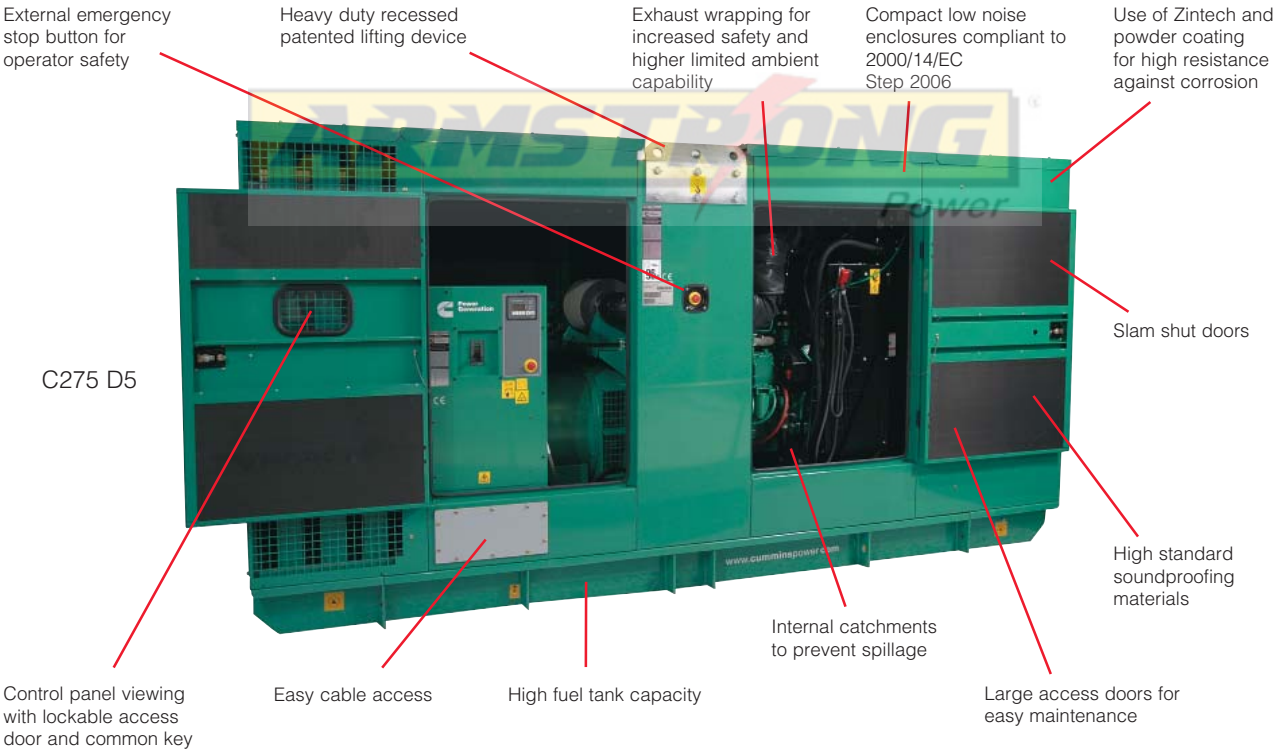
Enclosures

Sound-attenuated and weather protective enclosures from Cummins Power Generation meet even the strictest sound requirements and provide optimum protection from inclement weather.

- Patented recessed lifting arrangement for easier access
- Compact footprint, low-profile design
- Easy access to all major generator and engine control components for servicing
- Fully housed, enclosed exhaust silencer ensures safety and protects against rust
- All-steel construction with stainless steel hardware offers durability
- Direct-mounted to a sub-base fuel tank or lifting base
- Many options available to meet application needs
- Meet or exceed EU legislation 2000/14/EC Step 2006



Acoustical Testing Center

The Acoustical Testing Center (ATC), located at the plant of Cummins Power Generation in Fridley, Minnesota, U.S., is the largest engine testing facility of its kind in the world.

- 2,136 sq. meters of total building area
- 1,207 sq. meters of Hemi-Anechoic test area
- 464 sq. meters build area
- Fully capable now of testing generator sets up to 3.3 MW
- Curved hemispherical roof – the preferred acoustical design
- Facility built following the Leadership in Energy and Environmental Design (LEED) guidelines for green building design.

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Enclosed Sets - 50 Hz and 60 Hz

Pre-assembled, pre-integrated and deliver as part of the entire power system, these enclosures are designed to speed installation time and reduce cost.

Model	Standby kVA 50 Hz	Dimensions (mm) L x W x H	Wet Weight without fuel (kg)	Sound Levels dBA @ 1m*	dBA @ 7m*	Tank (L)
Power output 50 Hz						
C11 D5	11	1460 x 850 x 1130	596	72	62	100
C17 D5	17	2082 x 987 x 1448	755	74	63	150
C22 D5	22	2082 x 987 x 1448	794	74	63	150
C28 D5	27.5	2082 x 987 x 1448	794	74	63	150
C33 D5	33	2242 x 964 x 1615	1235	75	65	175
C38 D5	38	2242 x 964 x 1615	1435	75	67	175
C44 D5	44	2599 x 1115 x 1837	1397	77	68	150
C44 D5e	44	2245 x 969 x 1575	1029	71	62	107
C55 D5	55	2599 x 1115 x 1837	1410	77	68	150
C55 D5e	55	2245 x 930 x 1615	1081	72	63	144
C66 D5	66	2599 x 1115 x 1837	1457	77	68	150
C90 D5	90	3164 x 1149 x 1981	1953	78	69	350
C110 D5	110	3164 x 1149 x 1981	1972	78	69	350
C150 D5	150	2920 x 1136 x 1710	2102	76	68	455
C175 D5e	175	3900 x 1100 x 2257	3412	77	69	455
C200 D5e	200	3900 x 1100 x 2257	3492	77	69	455
C220 D5e	220	3900 x 1100 x 2257	3492	77	69	455
C250 D5	250	3581 x 1360 x 2170	3296	76	68	340
C275 D5	275	4254 x 1424 x 2215	3924	77	69	508
C330 D5	330	4254 x 1424 x 2215	4147	77	69	508
C350 D5	350	5110 x 1563 x 2447	4808	76	69	900
C400 D5	400	5110 x 1563 x 2447	4930	76	69	900
C400 D5e	400	5106 x 1553 x 2476	5281	76	69	711
C450 D5e	450	5106 x 1553 x 2476	5524	77	69	711
C550 D5e	550	5106 x 1553 x 2476	5674	77	70	711
Power output 60 Hz						
C12 D6	15	2082 x 930 x 1448	894	75	65	150
C16 D6	20	2082 x 930 x 1448	894	75	65	150
C20 D6	25	2082 x 930 x 1448	907	75	65	150
C30 D6	37.5	2242 x 967 x 1513	1235	75	65	175
C35 D6	43.8	2242 x 967 x 1513	1270	75	65	175
C40 D6	50	2300 x 1100 x 1650	1250	81	71	150
C40 D6	50	2245 x 969 x 1575	1029	74	64	107
C50 D6	62	2300 x 1100 x 1650	1300	81	71	150
C50 D6	62.5	2245 x 969 x 1575	1100	74	65	107
C60 D6	75	2300 x 1100 x 1650	1350	81	71	150
C80 D6	100	2710 x 1050 x 1853	1818	79	67	350
C100 D6	125	2710 x 1050 x 1853	1843	79	67	350
C135 D6	169	2920 x 1136 x 2062	2102	83	74	310
C150 D6e	188	3900 x 1100 x 2062	3108	77	69	530
C175 D6e	218	3900 x 1100 x 2062	3206	77	69	530
C200 D6e	250	3900 x 1100 x 2062	3206	77	69	530
C225 D6	281	3581 x 1360 x 2170	3296	84	75	376
C250 D6	313	4254 x 1424 x 2215	3924	80	72	691
C275 D6	344	4254 x 1424 x 2215	4147	80	72	691
C300 D6	375	4254 x 1424 x 2215	4147	80	72	691
C350 D6	438	5110 x 1563 x 2447	4975	81	74	900
C400 D6	500	5110 x 1563 x 2447	5095	81	74	900
C450 D6e	562	5106 x 1553 x 2447	5292	78	71	711
C500 D6e	625	5106 x 1553 x 2447	5442	78	71	711

C11 D5

C55 D5e

C220 D5e / C200 D6e

C550 D5e / C500 D6e

* @ 75% load unless otherwise stated

All levels in accordance with European Noise Directive (2000/14/EC)

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Diesel Generator Sets -
1400 kVA to 3000 kVA (50 Hz) / 1250 kW to 2250 kW (60 Hz)

Our high-horsepower power systems are designed with specific features to meet the life protection, safety, mission-critical, environmental and independent power generation requirements of our customers.

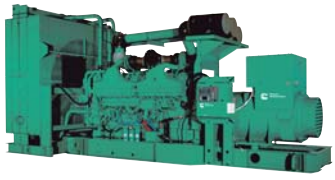
Power Output 50Hz Open Set

Model	Standby Ratings		DCC Ratings		Engine Model	Emissions Compilance EU/TAL/EPA	Standard Alternator	Standard Controller	Dimensions (mm) L x W x H	Wet Weight without fuel (kg)	Tank
	kVA	kW	kVA	kW							(L)
C1400 D5	1400	1120	1250	1000	KTA50-G3		PI734B	3.3	5112 x 2000 x 2238	10075	option
C1675 D5	1675	1340	1400	1120	KTA50-G8		PI734D	3.3	5690 x 2033 x 2330	10628	option
C2250 D5	2250	1800	2000	1600	QSK60-G4		PI734G	3201	6175 x 2274 x 2537	15366	option
C2500 D5A	2500	2000	2250	1800	QSK60-G8	4g	HVS180451	3201	6175 x 2494 x 3115	15781	option
C3000 D5	3000	2400	2750	2200	QSK78-G9	4g	HVS1804S	3.3	5671 x 2948 x 3197	18595	-

Power Output 60Hz Open Set

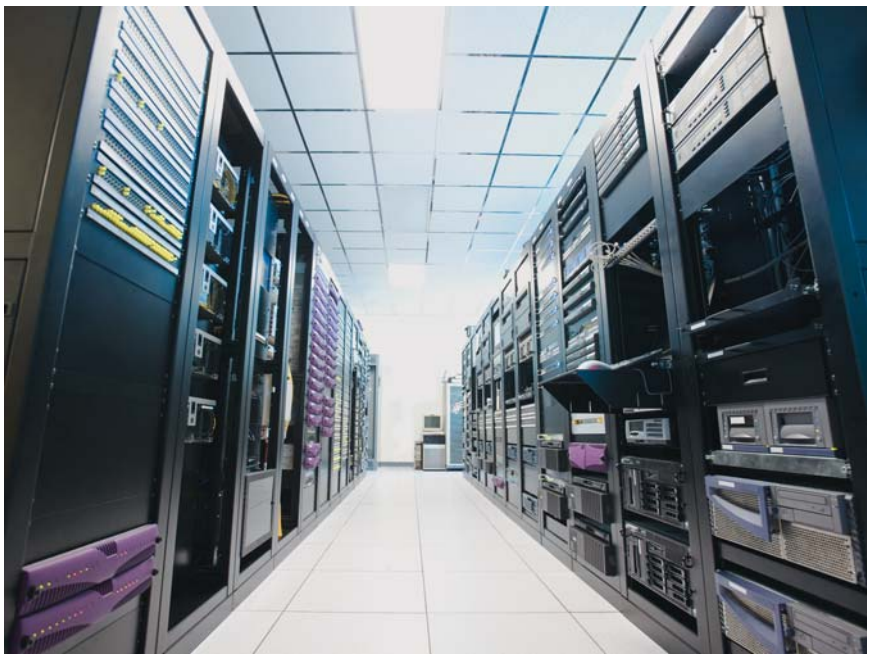
Model	Standby Ratings		DCC Ratings		Engine Model	Emissions Compilance EU/TAL/EPA	Standard Alternator	Standard Controller	Dimensions (mm) L x W	Wet Weight without fuel (kg)	Tank
	kVA	kW	kVA	kW							(L)
C1250 D6	1588	1270	1400	1120	KTA50-G3		PI734B	3.3	5105 x 2000 x 2238	10075	option
C1500 D6	1931	1545	1608	1286	KTA50-G9		PI734C	3.3	5690 x 2033 x 2330	10326	option
C2000 D6	2500	2000	2281	1825	QSK60-G6		PI734F	3201	6175 x 2286 x 2537	15366	option
C2250 D6A	2813	2250	2500	2000	QSK60-G9		PI734G	3201	6175 x 2494 x 3166	17217	option

C1000 D5 / C900 D6



C2250 D5

C3000 D5



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PowerBox - 50 Hz and 60 Hz

Designed with serviceability and durability in mind, the PowerBox is available in two sizes and is noise-level compliant with EC regulations 2000/14/EC Step 2006 and includes 4 x ISO corner and pole slots for shipment.

- 20'/40' ISO container (CSC certified)
- Acoustic baffles for the air inlet and outlet
- Sandwich mineral wool attenuation
- Fuel tank optional
- Wooden internal floor
- 2 side doors with recessed stainless steel hinges
- 24 volt lighting with timer
- Residential silencer with stainless steel flexible bellows

PowerBox 20S PowerBox 40S

Model	PowerBox Model	Tank (Optional)	Dimensions	Silent Power dBA @ 1m*	dBA @ 7m*
Power output 50 Hz					
C700 D5	PB-20S	500L	20' ISO	79	72
C825 D5A	PB-20S	500L	20' ISO	TBA	TBA
C1000 D5	PB-20S	500L	20' ISO	84	77
C1100 D5B	PB-40S	500L, 2000L	40' ISO HC	82	77
C1400 D5	PB-40S	500L, 2000L	40' ISO HC	82	77
C1675 D5	PB-40S	500L, 2000L	40' ISO HC	82	77
C1675 D5A	PB-40S	500L, 2000L	40' ISO HC	82	77
Power output 60 Hz					
C600 D6	PB-20S	500L	20' ISO	83	76
C900 D6	PB-20S	500L	20' ISO	90	84
C1000 D6B	PB-40S	500L, 2000L	40' ISO HC	TBA	TBA
C1250 D6	PB-40S	500L, 2000L	40' ISO HC	TBA	TBA
C1500 D6	PB-40S	500L, 2000L	40' ISO HC	TBA	TBA

* @ 75% load unless otherwise stated

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Rental and Construction Power

The Cummins Power Generation rental range of generator sets have been designed to provide a number of key features and benefits to the customer.

Model Name	Prime Rating 50 Hz		Prime Rating 60 Hz		Engine Model	Emissions Compliance EU Stage	Alternator		Controller		LWA	dBA @ 1m 3/4 load
	KVA	KW	kVA	kW			STD	OPT	STD	OPT		
C20 D5R	25	20	NA	NA	X2.5 G2	Non certified	PI144E	NA	1.1	NA	90	74
C30 D5R	30	24	NA	NA	X3.3 G1	Non certified	PI144G	NA	1.1	NA	92	75
C50 D6R	-	-	57	45	4BT3.3G3	Non certified	UC224D	UC224E	1.1	NA	-	-
C80 D2R	80	64	91	73	QSB5G3	SIIIA	UC274C	UC274D	1.1	NA	96	78
C150 D2R	150	120	169	135	QSB7G5	SIIIA	UC274F	UC274G	1.2	3.3	95	76
C200 D2R	200	160	225	180	QSB7G5	SIIIA	UC274H	UCD274J	1.2	3.3	95	76
C250 D2R	250	200	281	225	QSL9G3	SIIIA	UC274K	HCI4D	1.2	3.3	97	77
C1250 D2R	1258	1005	-	-	KTA50G3	UR	P7B	NA	3.3	NA	113	92
C1250 D2R	-	-	1400	1120	KTA50G3	UR	P7B	NA	3.3	NA	118	97

* RFQ through Custom Applications Group (CAG)

Exceptionally quiet, our rental generator sets are designed to improve profitability for the owner. With more built features as standard they provide easier maintenance and transportability, as well as greater reliability.

Features:

- External emergency stop button
- Canopies are compliant to the 2000/14/CE step 2006 and are suitable for the most demanding applications, particularly in residential areas
- Single point lift up to 100 kVA or patented two point recessed lift from 150 kVA and above to avoid roof access and reduce the risk of fall
- For better operation, all packages are proposed in Prime Power Rating
- Acoustic insulation helps reduce noise levels
- Internal fill up helps prevent spillage into the environment
- Fork-lift capability on all models up to 200 kVA
- Easy connection bus bar eliminates the risk of accidental contact
- Four pole CB with earth leakage protection
- Lockable doors to help prevent unauthorised access
- Window allows visibility of the controller whilst doors are closed
- Easy Serviceability:
  - Large double access door
  - Easy access to the fuel and oil fill up, drainage and filters
  - Easy external access to the radiator compartment

Additional Features:

- Dual frequency capability (except models fitted with sockets)
- Remote start capability
- Pre-filter fuel/water separator
- Adjustable earth leakage protection
- Battery isolator switch

C250 D2R

C1250 D2R

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Spark-Ignited Generator Sets -
20 kW to 125 kW (60 Hz)

Spark-ignited generator sets are a convenient choice for a variety of emergency and standby applications, including healthcare offices and retail businesses that require gaseous fuel options to meet local codes or fuel containment and economic requirements. They are available with natural gas, propane and dual fuel systems.

Model Name	Fuel Type	Standby Rating		Prime Rating		Engine Model	Emmisions Compliance EU/TAL/ EPA	Standard Alternator	Standard Controller	Sound Enclosure
		KVA	kWe	kVA	kWe					
Power Output 60Hz										
GGMA	NG / Propane	25	20	--	--	GM i4 3L	Emergency	YD0575	1301	•
GGMB	NG / Propane	31	25	--	--	GM i4 3L	Emergency	YD0700	1301	•
GGMC	Natural Gas	36	29	--	--	GM V8 5L	Emergency	YD1038	1301	•
GGMC	Propane	38	30	--	--	GM V8 5L	Emergency	YD1038	1301	•
GGPA	NG / Propane	44	35	--	--	GM V8 5L	Emergency	UC2C	2100	•
GGPB	NG / Propane	50	40	--	--	GM V8 5L	Emergency	UC2D	2100	•
GGPC	Natural Gas	56	45	--	--	GM V8 5L	Emergency	UC2D	2100	•
GGPC	Propane	63	50	--	--	GM V8 5L	Emergency	UC2D	2100	•
GGHE	NG / Propane	75	60	--	--	Ford V10 6.8L	Emergency	UC2F	2100	•
GGHF	Natural Gas	88	70	--	--	Ford V10 6.8L	Emergency	UC2G	2100	•
GGHF	Propane	94	75	--	--	Ford V10 6.8L	Emergency	UC2G	2100	•
GGHG	NG / Propane	106	85	--	--	Ford V10T 6.8L	Emergency	UC3C	2100	•
GGHH	NG /Propane	125	100	--	--	Ford V10T 6.8L	Emergency	UC3D	2100	•
GGHJ	NG /Propane	156	125	--	--	Ford V10T 6.8L	Emergency	UC3F	2100	•

• Optional

Installation and connection to the fuel source lines are both basic and convenient. As with our diesel generator sets, a complete selection of voltages, accessories, generator sets and control options are available for customizing to your specific needs.

Major features include:

- Multiple control system options, including NFPA 110 compliance
- Natural gas, propane or dual fuel systems
- Weather-protective and sound-attenuated enclosures (steel or aluminum)
- Good motor-starting capability and fast recovery from transient load changes
- Closed-loop fuel control system and three-way catalyst to reduce emissions (select models)
- U.S. EPA emissions compliance

GGMC

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Lean-Burn Gas Generator Sets -
995 kW to 2 MW (50 & 60 Hz)

Lean-burn gas generator sets provide premier performance, fuel efficiency, and low emissions for high hour peaking, prime power, combined heat and power (CHP), and waste to energy applications.

Using a lean mixture of fuel and air, this design significantly reduces combustion temperatures, which minimizes the production of nitrogen oxides (NOx). The result is high power output with maximum thermal efficiency and minimal emissions.

The Power Solutions Group of Cummins Power Generation can handle the most complex requirements surrounding lean-burn gas applications, from initial site planning to system design, construction and installation, through operation and maintenance.

Model	Continous Rating kWe	Standby Rating kWe	Engine	Alternative Fuels Capability
Power Output 50Hz				
C995N5C	995	–	QSK60G	–
C1160N5C	1160	–	QSK60G	–
C1200N5C	1200	–	QSK60G	–
C1400N5C	1400	–	QSK60G	–
C1540N5C	1540	–	QSV91G	•
C1750N5C	1750	–	QSV91G	•
C2000N5C	2000	–	QSV91G	•
Power Output 60Hz				
C1000 N6C	1000	–	QSK60G	•
C1000 N6	–	1000	QSK60G	–
C1100 N6C	1100	–	QSK60G	•
C1250 N6C	1250	–	QSV91G	–
C1250 N6	–	1250	QSK60G	–
C1350 N6	–	1350	QSK60G	–
C1400 N6C	1400	–	QSK60G	–
C1700 N6	–	1700	QSV91G	–
C1750 N6C	1750	–	QSV91G	•
C2000 N6C	2000	–	QSV91G	•

• Available - Not Available

Waste-to-Energy
Converting wasted gaseous fuels into profitable and sustainable power

Standby Power
Clean, reliable and cost-effective standby gas power when you need it

Cogeneration
Combined heat and power solutions for a sustainable future

Lean-Burn Gas Fuelled Generator Sets
Low emission gas powered energy solutions

Prime Power
Reliable continuous power for any location, day and night

Peaking Power
Economical, adaptable and reliable solutions to meet your peak demands

Project Application Capabilities
Ability to create entire solution to meet the most complex requeriments

Operation & Maintenance Support
Flexible cover designed around you

CHP system saves money on high on-peak electric rates

William Floyd School District, Shirley, New York -

Facing rapidly rising electricity costs, school district officials installed a 2.5 MW combined heat and power system to power three buildings of the Shirley campus. The CHP system provides nearly all of the electricity, heating and cooling for the campus during the local utility's daily peak usage hours when power is very expensive. In the first three years of operation, the CHP system saved more than $1.2 million.

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PowerCommand® Generator Set Controls

PowerCommand controls provide you reliable, cost-effective solutions for integrated digital paralleling.

Only generator sets from Cummins Power Generation are available with industry-leading PowerCommand controls. Standard features include not only integrated digital governing and voltage regulation, but also analogue and digital metering, digital engine monitoring systems, smart-starting systems, battery monitoring systems, AmpSentry™ true alternator protection and more.

Main Features	1301	1.1/1.2	2100	2.2	3201	3.3
General						
AVR	•	•	•	•	•	•
Electronic Governing	•	•	•	•	•	•
Glow plug control	•	•	•	•	-	•
Cycle cranking	•	•	•	•	•	•
Full authority engine control	•	•	•	•	•	•
Networking (LonWorks)	-	-	•	-	•	-
Networking (ModBus)	•	•	-	•	-	•
Fault history	•	•	•	•	•	•
Operator interface						
Manual start/stop	•	•	•	•	•	•
Auto/remote start	•	•	•	•	•	•
Exercise function	-	-	-	•	•	•
Auto LED	•	•	-	•	-	•
Not in Auto LED	•	•	•	•	•	•
Manual LED	•	•	•	•	•	•
Common Shutdown LED	•	•	•	•	•	•
Common Warning LED	•	•	•	•	•	•
Exercise LED	-	-	-	•	•	•
Emergency stop (local and remote)	•	•	•	•	•	•
Alphanumeric screen	•	•	•	•	•	•
Remote start input active led	•	•	•	•	•	•
Fault reset	•	•	•	•	•	•
Measurement & Instrumentation - Engine						
Oil Pressure	•	•	•	•	•	•
Oil Temperature	-	-	•	•	•	•
Water Temperature	•	•	•	•	•	•
Engine Speed	•	•	•	•	•	•
Hours Run	•	•	•	•	•	•
Number of Starts	•	•	•	•	•	•
Battery Voltage	•	•	•	•	•	•
Exhaust Temperature	-	-	-	-	•	-
Measurement & Instrumentation - Alternator						
3 Phase L-L & L-N Voltage & Frequency	•	•	•	•	•	•
3 Phase Current	•	•	•	•	•	•
kWh	-	-	•	•	•	•
Total kVA	•	•	•	•	•	•
Total kW & kVAr	-	-	•	•	•	•
PF	-	-	•	•	•	•
Per Phase kVAr, kW	-	-	•	•	•	•
Per Phase kVA	-	-	•	•	•	•
Shutdown Protection & Indication - Engine						
Low Fuel Level	•	•	•	•	•	•
High Fuel Level	-	-	•	•	-	•
Low Oil Pressure	•	•	•	•	•	•
High Engine Coolant temperature	•	•	•	•	•	•
Failure to Crank Shutdown	•	•	•	•	•	•
Over Crank (Failure to Start)	•	•	•	•	•	•
Overspeed	•	•	•	•	•	•

Main Features	1301	1.1	2100	2.2	3201	3.3
Shutdown Protection & Indication - Alternator						
Under & Over Voltage	•	•	•	•	•	•
Under & Over Frequency	•	•	•	•	•	•
Overcurrent	•	•	•	•	•	•
Earth Leakage	•	•	•	•	•	•
Reverse Power	-	-	•	•	•	•
Reverse Var	-	-	•	•	•	•
Threshold Warning Indications						
Low Oil Pressure	•	•	•	•	•	•
Low Engine Coolant Temperature	•	•	•	•	•	•
High Engine Coolant Temperature	•	•	•	•	•	•
Low Coolant Level	-	-	•	•	•	•
Low Battery Voltage	•	•	•	•	•	•
High Battery voltage	•	•	•	•	•	•
Battery Alternator Charge Fault	•	•	-	•	-	•
Over Current	•	•	•	•	•	•
Overload	•	•	-	•	-	•
Paralleling Capability						
Auto Synchronizing (Isolated Bus)	-	-	-	-	•	•
kW & VAr Load Sharing Control	-	-	-	-	•	•
Auto Synchronizing (Utility Bus)	-	-	-	-	•	•
Base Load	-	-	-	-	•	•
Synchroscope	-	-	-	-	•	•
Peak Lopping	-	-	-	-	-	•
Power Transfer Function						
Open Transition Transfer	-	-	-	-	•	•
Hard Closed Transition	-	-	-	-	•	•
Soft Closed Transition (ramping)	-	-	-	-	•	•
Transfer & Base Load (Utility)	-	-	-	-	•	•
Gen/Mains Breaker Control	-	-	-	-	•	•
Gen/Mains Breaker Status Protection	-	-	-	-	•	•
Environment						
Operating Temp. Range -40°C to +70°C	•	•	•	•	•	•
Operating Temp. User Interface -20°C to +70°C	•	•	•	•	•	•
Humidity up to 95% (non condensing)	•	•	•	•	•	•
Codes & Standards						
CE Compliant	•	•	•	•	•	•
NFPA110	•	•	•	•	•	•
UL508 Listed	-	-	•	•	•	•
UL Certified	•	•	•	•	•	•
Controller Inputs/Outputs						
Digital Inputs (shutdown, warning or status)	2	4	4	4	4	4
Relay Outputs	2	2	4	4	4	4
Configurable Input/Output	•	•	•	•	•	•

• Standard • Option - Not Available

PCC1301/PCC 1.1

PCC2100

PCC3201

PCC 1.2/2.2

PCC 3.3

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Automatic Transfer Switches

PowerCommand® automatic transfer switches communicate directly with the generator set controller, providing more reliable communication across the entire system.

PowerCommand automatic transfer switches feature microprocessor-based control technology for easy operation and robust, high-contact-force design to withstand thousands of switching cycles. Applications include utility-to-generator-set, utility-to-utility or generator-set-to-generator-set. Open transition switches can be adjusted to completely disconnect the load from both sources for a programmed time period to prevent unnecessary circuit breaker tripping and load damage.

Major features include:

- 40-1250 amp GTEC switches are third-party certified as meeting IEC 60947-6-1 AC31A
- All GTEC switches bear the CE mark
- 40-1250 amp GTEC switches are CCC certified by the China Quality Certification Centre
- OTPC switches are UL 1008 Listed with UL Type Rated cabinets and UL Listed CU-AL terminals.
- Convenient front-panel display to easily review power and load conditions
- Service entrance configurations to 1000 amps

Automatic Transfer Switches

Main Features	Automatic Transfer Switches	
	GTEC	OTPC
Specifications		
Duty	Light	Heavy
Amp Range	40 - 2000	40 - 4000
(Select the ATS to suit the largest-sized supply (amps) that will be applied to the ATS)		
Voltage Rating	up to 480 VAC	up to 600 VAC
Phases	1 or 3	1 or 3
Frequency	50 or 60 Hz	50 or 60Hz
Poles	2,3,4	3,4
Warranty	1 year	up to 10 years
Operating Temperature Range (°C)	-30 to 60 °C	-40 to 60 °C
Switch Mechanism		
Open Transition	•	•
Closed Transition 1000 to 4000 Amps	-	•
Programmed Transition	•	•
Utility-to-Genset	•	•
Utility-to-Utility	-	•
Genset-to-Genset	•	•
Mechanical Interlock	•	•
Load Monitoring	-	•
WCR with Specified Circuit Breakers	25 - 65 kA	14-100 kA
WCR with Current Limiting Fuses	25 - 65 kA	200 kA
Manual Operation	Yes	Yes
Control		
Type of Control	Basic Micro	PCC L1
Operator Panel		
Load Connected to Normal LED	•	•
Normal Source Available LED	•	•
Load Connected to Emergency LED	•	•
Emergency Source Available LED	•	•
Load AC Metering Bar Graph	-	•
Alphanumeric Display	-	•
Panel Security Lock	-	•
Control Functions		
3-phase Voltage Sensing - Utility	•	•
3-phase Voltage Sensing - Generator	Single Phase	•
Electrical Isolation from AC - Mains	High Impedance	Transformer
O/U Voltage Sensing Utility	•	•
O/U Voltage Sensing Generator	U/V Only	•
Voltage Sensing Accuracy	+/-2%	+/-1%
O/U Frequency Sensing Utility	•	•
O/U Frequency Sensing Generator	U/F Only	•
Voltage Imbalance	-	Level 2 Cont
Phase Rotation	-	Level 2 Cont
Loss of Phase	-	•
Transfer Normal to Emergency (time)	0 - 300 secs	0 - 120 secs
Re-transfer Emergency to Normal (time)	0 - 30 mins	0 - 30 mins
Engine Start Delay (adjustable)	0 - 10 secs	0 - 120 secs
Time Delay to Engine Stop	0 - 30 mins	0 - 30 mins
Programmed Transition (time)	0 - 10 secs	0 - 60 secs
Time & Date-Stamped Event Log	-	•
Historical Data Display	-	•
Remote Monitoring/Communication	-	•
System Data Display	-	•
Elevator Signal Module	•	•
Load Sequencing	-	•
Fully-Programmable Exerciser Clock	•	•
Exercise Clock	•	•
Real-Time Clock	-	•

● Standard ● Option - Not Available

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Digital Paralleling Systems & Switchgear

PowerCommand® paralleling systems are operated by DMC Digital Master Controls that interface directly with PowerCommand controller generator set optimizing performance and simplifying operation and service.

PowerCommand paralleling systems deliver the flexibility demanded by your complex applications. We use common control blocks with prototype-tested components. These systems deliver the features and performance you require and are supported by the industry's only local paralleling service organisation.

Demonstrated Reliability

Integrated paralleling in the generator set controls offers fast synchronising. Any number of generator sets can be synchronised in less than 15 seconds in most applications.

PowerCommand paralleling systems give you demonstrated reliability:

- Industry-leading mean time before failure (MTBF) data
- Innovative failure mode effect analysis
- Prototype testing to validate system design
- Distributed logic designs that isolate issues by eliminating single points of failure

DMC200 / 300

Switchgear

DMC1000

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Digital Paralleling Systems & Switchgear

PowerCommand® paralleling systems are designed around dedicated-purpose controllers that are prototype-tested for reliability and performance.

FEATURE	DMC1000		DMC200	DMC300
	Isolated Bus	Infinite Bus	Isolated Bus	Infinite Bus
Custom Features				
Custom engineering required	-	-	•	•
Genset Controller Compatibility				
PowerCommand 3100	•	•	•	•
PowerCommand 3200	•	•	•	•
PowerCommand 3201	•	•	•	•
PowerCommand 3300	•	•	•	•
System Start				
Common system start directly to gens (bypasses PLC or MCM)	•	•	•	•
Common system start to genset based on DMC monitoring	-	•	•	•
Enable/Disable automatic start signal when system is in manual	•	•	•	•
Manual start and breaker open/close control of individual gensets from HMI	-	-	•	•
Genset Paralleling				
Parallel up to 4 gensets	•	•	•	•
Parallel up to 8 gensets	-	-	•	•
Parallel more than 8 gensets (requires custom touchscreen development).	-	-	•	•
Load Demand				
Fixed Sequence, non-PCC3300	•	-	•	•
Run Hour Sequence, non-PCC3300	•	-	•	•
Fixed Sequence, PCC3300	•	•	•	•
Run Hour Sequence, PCC3300	•	•	•	•
Multiple Load Busses	-	-	•	•
Load Add/Shed				
Priority Based - 6 Levels/6 Loads	•	•	•	•
Priority Based - 8 Levels/8 Loads	-	-	•	•
Priority Based - 10 Levels/10 Loads	-	-	•	•
Priority Based - 16 Levels/32 Loads	-	-	•	•
Capacity Based - single bus	-	-	•	•
Priority Based - multiple bus	-	-	•	•
Manual Load Add/Shed control	•	•	•	•
System Test				
Without Load	•	•	•	•
With Load	•	•	•	•
System Scheduler (Exercise)				
Test	•	•	•	•
Extended Parallel	-	•	•	•
Extended Utility Paralleling kW Control				
Genset Bus % Level (Open Loop/Base Load)	-	•	-	•
Genset kW (Open Loop/Base Load)	-	-	-	•
Individual Genset kW (Open Loop/Base Load)	-	-	-	•
Genset Bus kW (Closed Loop)	-	•	-	•
Genset Bus kW with Utility Constraint (Closed Loop/Base Load with export limit)	-	•	-	•
Utiity Bus kW (Closed Loop/Peak Shave)	-	•	-	•

FEATURE	DMC1000		DMC200	DMC300
	Isolated Bus	Infinite Bus	Isolated Bus	Infinite Bus
Extended Utility Paralleling kVAR Control				
Genset Controllers	-	•	-	•
Gen Bus % Level (Open Loop)	-	•	-	•
Genset Bus Power Factor (Open Loop)	-	•	-	•
Genset Bus kVAR (Closed Loop)	-	•	-	•
Genset Bus Power Factor (Closed Loop)	-	•	-	•
Utility Bus kVAR (Closed Loop)'	-	•	-	•
Utility Bus Power Factor (Closed Loop)	-	•	-	•
Extended Paralleling Control				
Auto Peak Shave or Base Load	-	•	-	•
Power Transfer Transitions				
Open Transition	-	•	•	•
Hard Closed Transition <100 ms	-	•	-	•
Hard Closed Transition non-ramping	-	•	-	•
Soft Closed Transition	-	•	-	•
Utility Synchronizing				
Slip Frequency	-	•	-	•
Phase Match	-	•	-	•
NE Function				
Neutral Earth Device Control	•	•	•	•
Data communications, display, and alarming				
Web Serving HMI Screens	-	-	•	•
Genset Summary data at the DMC	-	-	•	•
Real Time Trending	-	-	•	•
Historical Trending	-	-	-	-
Modbus RTU RS485 BMS Interface	•	•	•	•
Modbus RTU RS232	-	-	•	•
Modbus TCP/IP over Ethernet BMS Interface	-	-	•	•
Remote Genset and Network ATS monitoring with alarm paging and email	-	-	•	•
Supervisory Monitoring Station for on-site/off-site power systems	-	-	•	•
Network ATS Data Display	-	-	•	•
System Annunciator(s)	•	•	•	•
NFPA 110 Genset Annunciator	-	-	•	•
Audible Alarm	•	•	•	•
Diagnostics	•	•	•	•
Operator Interface				
HMI 211 Operator Interface	•	•	-	-
15" Color Touch Screen	-	-	•	•
19" Color Touch Screen	-	-	•	•
42" Color Touch Screen	-	-	•	•
Redundant CPU				
Hot Standby Redundant CPU and cabling	-	-	•	•
Reports				
JCAHO/Plant Test	-	-	•	•
Alarm History	-	-	•	•
Codes and Standards Requirements				
UL891	•	•	•	•
IEC	•	•	•	•
CSA	•	•	•	•
Seismic Zone 4	•	•	•	•
OSHPD Certified	•	•	•	•

● Standard ● Option - Not Available

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Software and Networking

PowerCommand® software and networking tools let you easily manage on-site and off-site power systems from one location.

Whether you're using a desktop computer, a laptop or a cell phone, PowerCommand remote monitoring systems help you reduce power setup time, operation and maintenance.

PowerCommand accessories for reliable web-based monitoring

PowerCommand remote monitoring systems let you monitor generator set and transfer switch functions via the Internet. You can:

- Monitor remotely via wireless connection using cellular or satellite communications
- Communicate via an Ethernet connection, phone line or available wireless configuration
- Connect via an Internet browser on a remote PC
- Send alarms to cell phones, pagers or e-mail addresses
- Display voltage and frequency of each source
- Monitor one or two generator sets and up to four transfer switches

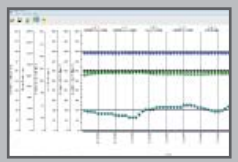
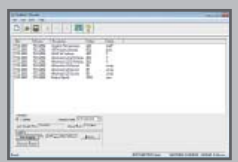
Feature iWatch100
Web Browser Customer Interface
Single Site 4 Gensets and 4 ATS
Sends Emails on Alarm Conditions
SMS Messaging Configurable through an SMTP Email Server
Main Menu Page
Generator Set Data Display Page
Remote Annunciator Display Page
Transfer Switch Data Display Page
Remote ATS Annunciator Display Page
Digital Input/Output Display Page
Relay Outputs Display Page
Connects to PCC2100, 3100,3200,1.x, 2.x and 3.x Controllers
Configurable User Access Codes
Operating Temperature Range (0 to +50˚C)
One-Year Warranty

PowerCommand InPower™ for planned maintenance

PowerCommand InPower for service and planned maintenance provides both local and remote setup and diagnostics. The PC-based software allows a technician to "talk to" a remote PowerCommand system, determine its status and make adjustments.

An Internet browser interface provides easy access to PowerCommand InPower's useful functions:

- Strip charts — Obtain real-time recordings of changing conditions and performance
- Adjustments — Change system operating parameters
- Monitoring functions — Use real-time monitoring and data recording to simplify testing and diagnostics
- Report generation — Automatically record test data and formats for quick test reporting
- Fault simulations — Simulate warning or shutdown conditions

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Specifications and Options

Emergency Standby Power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Prime Power (PRP):

Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Limited-Time Running Power (LTP):

Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.

Base Load (Continuous) Power (COP):

Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Data Center Continuous (DCC)

Is defined as the maximum power which the generator is capable of delivering continuously to a constant or varying electrical load for unlimited hours in a data center application.

Extending your peace of mind with our suite of Extended Warranty Options

Every one of our generator sets is covered by a base warranty for round-the-year reliability. To further safeguard your investment, we'll extend that protection to cover every major component in our generator sets anywhere in the world. You can choose from our suite of extended warranty coverage or packages that last for either two years, five years or ten years to suit your specific needs before the original guarantee comes to an end.

For further details on all Extended Warranty options, please contact your local Cummins Power Generation distributor.

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Cummins Support Centre

The Cummins Support Centre provides industry-leading customer support, a fact highlighted when it won two prestigious Asia Pacific awards in 2011.

At the 'Top Ranking Performers' ceremony held by Contact Centre World, the Cummins Support Centre was named 'Best Small Contact Centre' for Asia Pacific. The centre also won a silver medal in the 'Best Help Desk' category of the awards.

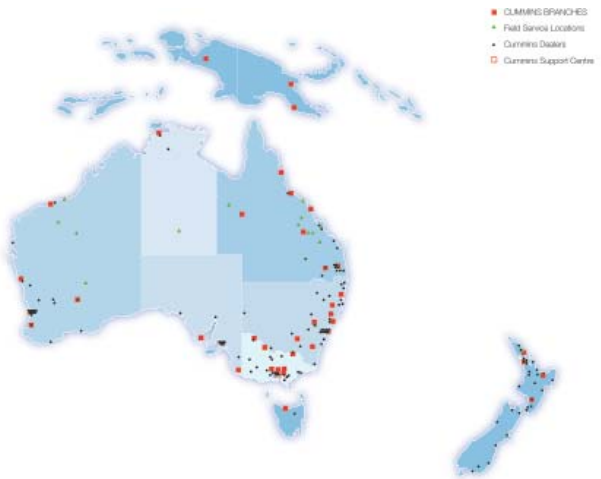
The significance of the awards is highlighted by the fact the support centre was competing against major players from 14 Asia Pacific countries in the contact centre industry. Competitors included St George Bank, AMP, iSelect, Singtel (the largest telecommunications provider in Singapore), and Bank of Central Asia.

The Cummins Support Centre has two hotline numbers – '1300 Cummins' when calling from within Australia and '0800 Cummins' from within New Zealand – and can be contacted 24 hours a day, every day of the year.

The support centre has a team of fully-trained Cummins service technicians who provide technical advice across all Cummins engine products as well as managing afterhours breakdowns throughout Australia and New Zealand.

Cummins has the largest service network of any industrial engine company in the South Pacific region with 38 company branches, more than 170 dealers, and the renowned 24/7 Cummins Support Centre where highly trained technicians and parts professionals take customers' calls and deliver solutions all year round.

The Cummins Support Centre doesn't only manage emergency breakdown events. The centre's technicians are available to provide instant, around-the-clock advice on any technical matter across all Cummins products.



Cummins Support Centre

- Support available 24 hours a day, every day
- Dedicated Melbourne based facility
- Team of Cummins service technicians available
- Parts orders and enquiries
- Document all incidents and interactions
- Coordinate afterhours service response
- Monitor and report on all field service technicians via GPS tracking
- 25% of received calls resolved over phone

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The Power of One™

The Power of One has two dimensions. First, it means a single manufacturer of power generation products. And second, it means a single source for a complete set of required services. These two dimensions combine to provide a single source for complete power solutions.

Our Support Capabilities

ARMSTRONG Power

- System design and application engineering
- Power Suite™ 5.0 tool for sizing and applying power generation equipment
- Project management
- Product customization
- Total solution delivery
- Factory-trained, certified and highly experienced technicians
- Planned maintenance availability (PMA)
- Global distribution network with local support
- Parts availability
- 24/7 Emergency response system
- Remote and monitoring control

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Cummins Power Generation

Cummins Power Generation's global operations include 44,000 employees in 190 countries, with 88 manufacturing facilities, 6,000 sales and service centers and 600 distributor locations.

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