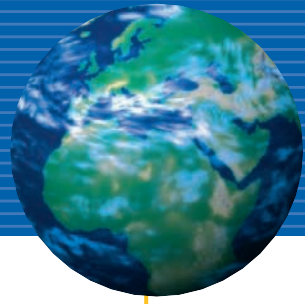


# Rental & Construction Power



**13-500 kVA  
50 Hz – Dual Frequency**



# A Modular Approach to meet your needs

Consultation with the major plant rental companies, their customers, utilities and event organisers has led to the development of this new breed of SilentPower™ generators.

Exceptionally quiet they are designed to improve the profitability of the owner. With more built in features providing easier maintenance and transportability as well as greater reliability.

The new Cummins modular approach allow you to select the right package and meet either the Volume Rental Spec (VRS) or the Specialist Rental Spec (XRS)



C50 D5RS (VRS)

Skid End Design  
Patented

## Main features of the VRS

The VRS spec is available from 13 kVA to 100 kVA.

The unique feature of the VRS is the design patented skid ends that convert the standard base frame in a robust and stiff skid suitable for construction application. It includes also:

- 4 pole CB
- Fixed ELP or adjustable (from C70 D2R and above)
- Easy bus bar connection
- Single point lift
- Dual frequency capability (except models with sockets)
- Remote start capability (with easy access)
- Prefilter fuel/water separator
- Large fuel tank containment for a capacity of minimum 14 hours operation (up to 31 hours on the C13 D2R)

All models up to 100 kVA can be delivered with Socket pack added to the easy connecting busbar (except C13 D5RS only with socket pack).

**1 SilentPower™ canopies** are compliant to the 2000/14/CE step 2006. They are suitable for the most demanding application particularly in residential areas.

**2 Reliable Power Source**, all sets are motorized with Cummins engines or Kubota for the 13 kVA model. Alternators are supplied from Newage-Stamford. For a better operation, all packages are proposed in Prime Power Rating (PRP) as the result of your main expectation.

**3 Handling made easy.**

- **3A** Single point lift (up to 100 kVA)
- **3B** Fork lift capability on all models.

**4 Design for Safety:**

- **4A** Four Pole CB with Earth Leakage protection
- **4B** Easy connection bus bar eliminate the risk of accidental contact
- **4C** External Emergency stop button
- **4D** Two Point lift from 150 kVA and above to avoid the access on the roof (risk of fall)
- **4E** Lockable hand door to prevent unauthorized access
- **4F** Internal fill up to protect the environment (spillage over the bunding)

**5 Easy Serviceability:**

- Large double access door
- Easy access to the fuel and oil fill up or drainage and filters
- Easy external access to the radiator compartment.



C50 D2R (XRS)

## Main features of the XRS

The XRS spec is available from 20 kVA to 500 kVA.

The unique feature of the XRS is its "Rental" dedicated base frame that includes fork lift slots.

The fuel tank capacity is increased by 20-55% over the VRS and is fully contained.

It also includes:

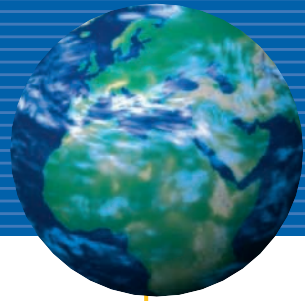
- 4 pole CB
- adjustable ELP
- Easy bus bar connection
- Single point lift (up to C100 D2R) or two point lift (from C150 D2R)
- Dual frequency capability (except models with sockets)
- Remote start capability (with easy access)
- Prefilter fuel/water separator
- Large fuel tank containment for a capacity of minimum 11 hours operation (up to 31 hours on the C20 D2R)
- Battery isolator switch
- Heavy Duty Air Filter
- Oil sump pump (std from C150 D2R)
- Earth spike
- 3 way fuel valve (std from C70 D2R)

All models up to 100 kVA can be delivered with Socket pack added to the easy connecting busbar



VRS

XRS



# The Range



C50 D5RS (VRS)



C50 D2R (XRS)

## VRS Models

Specification	Genset Type	Performance										Engine			Dimensions and Weight				
		Rated Power			Noise level (75% load)			Fuel System											
		50 Hz		60 Hz	50 Hz			Engine Type	Bore x Stroke (mm)	Cubic Capacity (L)	Alternator Type	Length (mm)	Width (mm)	Height (mm)	Wet Weight Approx. (kg)				
Dual Frequency Models with Easy BusBar Connect	C13 D2R	13	15	22	13	15	88	72	62	94	31	D1703	87x92.4	1.65	BCI164D	1668	769	1360	849
	C20 D2R	20	22	32	22	24	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184E	2432	969	1519	1380
	C30 D2R	30	33	48	27	30	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184G	2432	969	1519	1380
	C35 D2R	35	38	55	32	35	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184H	2432	969	1519	1380
	C50 D2R	50	55	79	45	50	94	77	67	163	19	4BT3.3G2	95x115	3.3	UCI224D	2432	969	1519	1380
	C70 D2R	70	77	111	65	70	94	75	66	251	17	4BTA3.9G4	102x120	3.9	UCI224F	2910	1060	1711	1865
	C100 D2R	100	110	159	90	100	98	81	72	251	14	4ISBeG1	102x120	3.9	UCI274C	2910	1060	1711	1636
50 Hz Models with Socket Panel	C13 D5RS	13	15	22	x	x	88	72	62	94	31	D1703	87x92.4	1.65	BCI164D	1668	769	1360	865
	C20 D5RS	20	22	32	x	x	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184E	2432	969	1519	1399
	C30 D5RS	30	33	48	x	x	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184G	2432	969	1519	1399
	C35 D5RS	35	38	55	x	x	94	77	67	163	26	4B3.3G1	95x115	3.3	BCI184H	2432	969	1519	1399
	C50 D5RS	50	55	79	x	x	94	77	67	163	19	4BT3.3G2	95x115	3.3	UCI224D	2432	969	1519	1399
	C70 D5RS	70	77	111	x	x	94	75	66	251	17	4BTA3.9G4	102x120	3.9	UCI224F	2910	1060	1711	1883
	C100 D5RS	100	110	159	x	x	98	81	72	251	14	4ISBeG1	102x120	3.9	UCI274C	2910	1060	1711	1654

\*\*\* At 75% load

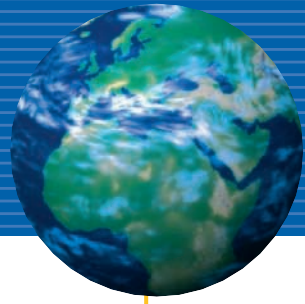
## XRS Models

Specification	Genset Type	Performance										Engine			Dimensions and Weight				
		Rated Power			Noise level (75% load)			Fuel System											
		50 Hz		60 Hz	50 Hz			Engine Type	Bore x Stroke (mm)	Cubic Capacity (L)	Alternator Type	Length (mm)	Width (mm)	Height (mm)	Wet Weight Approx. (kg)				
Dual Frequency Models with Easy BusBar connection (D2R)	C20 D2R	20	22	32	22	24	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184E	2344	990	1634	1244
	C30 D2R	30	33	48	27	30	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184G	2344	990	1634	1283
	C35 D2R	35	38	55	32	35	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184H	2344	990	1634	1332
	C50 D2R	50	55	79	45	50	94	77	67	198	23	4BT3.3G2	95x115	3.3	UCI224D	2344	990	1634	1401
	C70 D2R	70	77	111	65	70	94	75	66	389	27	4BTA3.9G4	102x120	3.9	UCI224F	2922	1140	1906	2521
	C100 D2R	100	110	159	90	100	98	81	72	389	22	4ISBeG1	102x120	3.9	UCI274C	2922	1140	1906	2292
	C150 D2R	150	165	238	136	150	98	80	71	403	14	6ISBeG1	102x120	5.9	UCI274F	3680	1310	2040	2984
	C200 D2R	200	220	318	182	200	98	80	71	403	11	6CTAA8.3G2	114x135	8.3	UCI274H	3680	1310	2240	3642
	C250 D2R*	250	278	433	227	250	98	77	72	TBC	TBC	QSL9G5	140x152	8.8	UCI274K	4248	1400	2430	5005
	C320 D2R**	320	356	505	291	320	98	77	72	TBC	TBC	QSM11	125x147	11.0	HCI444E	5110	1563	2447	5005
50 Hz Models with Socket Panel	C20 D5RS	20	22	32	x	x	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184E	2344	990	1634	1262
	C30 D5RS	30	33	48	x	x	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184G	2344	990	1634	1301
	C35 D5RS	35	38	55	x	x	94	77	67	198	31	4B3.3G1	95x115	3.3	BCI184H	2344	990	1634	1350
	C50 D5RS	50	55	79	x	x	94	77	67	198	23	4BT3.3G2	95x115	3.3	UCI224D	2344	990	1634	1419
	C70 D5RS	70	77	111	x	x	94	75	66	389	27	4BTA3.9G4	102x120	3.9	UCI224F	2922	1140	1906	2539
	C100 D5RS	100	110	159	x	x	98	81	72	389	22	4ISBeG1	102x120	3.9	UCI274C	2922	1140	1906	2310

\* Availability Q1, 2006

\*\* Availability Q4, 2006. Preliminary Data

\*\*\* At 75% load



# Specifications and Options

# PowerCommand™

## VRS Models

Specification	Genset Type	Canopy							Electricity							Engine											
		Compliant with 2000/14/CE	Point Lift	Containment	Fork Lift ability	Jettable radiator	Customised colour	Road Trailer	Fast Connect BusBar	EU Sockets Pack	UK Sockets Pack	4 Pole Breaker	ELP Fixed	ELP Adjustable	Earth Spike	Remote Start Capability	AMF pack	Paralleling controller	PMG + AVR	Alternator heater	Dual Frequency Capability	Pre-filter / Water separator	RD Air Filter	Electronic governor	Oil sump pump	3 way fuel valve	Battery Isol/switch
Dual Frequency Models with Easy BusBar Connect	C13 D2R	■	1	●	■	■	0	0	■	x	x	■	■	0	0	■	0	x	x	x	■	■	0	x	x	x	0
	C20 D2R	■	1	●	■	■	0	0	■	x	x	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C30 D2R	■	1	●	■	■	0	0	■	x	x	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C35 D2R	■	1	●	■	■	0	0	■	x	x	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C50 D2R	■	1	●	■	■	0	0	■	x	x	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C70 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	0	■	0	x	0	x	■	■	0	■	x	0	0
	C100 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	0	■	0	x	0	x	■	■	0	■	x	0	0
50 Hz Models with Socket Panel	C13 D5RS	■	1	●	■	■	0	0	x	■	0	■	■	0	0	■	0	x	x	x	■	■	0	x	x	x	0
	C20 D5RS	■	1	●	■	■	0	0	■	0	■	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C30 D5RS	■	1	●	■	■	0	0	■	0	■	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C35 D5RS	■	1	●	■	■	0	0	■	0	■	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C50 D5RS	■	1	●	■	■	0	0	■	0	■	■	■	0	0	■	0	x	x	x	■	■	0	0	x	0	0
	C70 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	■	0	x	0	x	■	■	0	■	x	0	0
	C100 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	■	0	x	0	x	■	■	0	■	x	0	0

## XRS Models

Specification	Genset Type	Canopy							Electricity							Engine										
		Compliant with 2000/14/CE	Point Lift	Containment	Fork Lift ability	Jettable radiator	Customised colour	Road Trailer	Fast Connect BusBar	EU Sockets Pack	UK Sockets Pack	4 Pole Breaker	ELP Fixed	ELP Adjustable	Earth Spike	Remote Start Capability	AMF pack	Paralleling controller	PMG + AVR	Alternator heater	Dual Frequency Capability	Pre-filter / Water separator	RD Air Filter	Electronic governor	Oil sump pump	3 way fuel valve
Dual Frequency Models with Easy BusBar Connect	C20 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	x	x	■	■	■	0	0	0	■
	C30 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	x	x	■	■	■	0	0	0	■
	C35 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	x	x	■	■	■	0	0	0	■
	C50 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	x	x	■	■	■	0	0	0	■
	C70 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
	C100 D2R	■	1	●	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
	C150 D2R	■	2	◆	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
	C200 D2R	■	2	◆	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
	C250 D2R*	■	2	●	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
	C320 D2R**	■	2	●	■	■	0	x	■	x	x	■	x	■	■	0	x	0	0	■	■	■	0	0	0	■
C400 D2R**	■	2	●	■	■	0	x	■	x	x	■	x	■	■	0	0	0	0	■	■	■	0	0	0	■	
C500 D2R**	■	2	●	■	■	0	x	■	x	x	■	x	■	■	0	0	0	0	■	■	■	0	0	0	■	
50 Hz Models with Socket Panel	C20 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	x	x	x	■	■	0	0	0	0	■
	C30 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	x	x	x	■	■	0	0	0	0	■
	C35 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	x	x	x	■	■	0	0	0	0	■
	C50 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	x	x	x	■	■	0	0	0	0	■
	C70 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	0	0	x	■	■	0	0	0	0	■
C100 D5RS	■	1	●	■	■	0	x	■	0	■	x	■	■	0	x	0	0	x	■	■	0	0	0	0	■	

\* Availability Q1, 2006  
 \*\* Availability Q4, 2006. Preliminary Data

■ Standard o Option x Not possible  
 ● Complete double wall ◆ Contained (partially double walled)

Specification	Genset Type	Controller		
		PCC1301	PCC2100	PCC3201
Dual Frequency Models with Easy BusBar connection (D2R)	C13 D2R	■	x	x
	C20 D2R	■	x	x
	C30 D2R	■	x	x
	C35 D2R	■	x	x
	C50 D2R	■	x	x
	C70 D2R	■	x	x
	C100 D2R	■	x	x
	C150 D2R	■	x	x
	C200 D2R	■	x	x
	C250 D2R*	■	x	x
C320 D2R**	■	x	x	
C400 D2R**	x	■	o	
C500 D2R**	x	■	o	
50 Hz Models with Socket Panel	C13 D5RS	■	x	x
	C20 D5RS	■	x	x
	C30 D5RS	■	x	x
	C35 D5RS	■	x	x
	C50 D5RS	■	x	x
C70 D5RS	■	x	x	
C100 D5RS	■	x	x	

\* Availability Q1, 2006  
 \*\* Availability Q4, 2006. Preliminary Data



PCC1301



PCC2100 Base Unit



PCC3201

Specification	Main Features	Controller		
		PCC1301	PCC2100	PCC3201
General	AVR	■	■	■
	Cycle cranking	■	■	■
	Full Authority Engine Control	x	■	■
Operator Interface	Fault History	■	■	■
	Manual Start/Stop	■	■	■
	Auto Remote Start	■	■	■
	Exercise function	x	x	■
	AUTO LED	■	x	x
	Not in AUTO LED	■	■	■
	MANUAL LED	■	■	■
	Common shutdown	■	■	■
	Common Warning LED	■	■	■
	Exercise LED	x	x	■
	Emergency Stop (Local and Remote)	■	■	■
	Alpha/Numeric screen	■	■	■
	Remote Start Input Active LED	■	■	■
	Fault Reset	■	■	■
	Measurement and Instrumentation	Oil Pressure	■	■
Water Temperature		■	■	■
Engine Speed		■	■	■
Hours Run		■	■	■
Number of Starts		■	■	■
Battery Voltage		■	■	■
3 Phase L/L & L/N Voltage and Frequency		■	■	■
3 Phase Current		■	■	■
kWh		x	■	■
Total kVA		■	■	■
Total kVA and kVAR		x	■	■
Power factor		x	■	■
Per Phase kVAR and kW		x	■	■
Per Phase kVAR		x	■	■
Shutdown and Warning Protection and Indication		Low Fuel Level (analogique tank gauge)	S	S
	Low Oil Pressure	W/S	W/S	W/S
	Low Engine Coolant Temperature	W	W	W
	High Engine Coolant Temperature	W/S	W/S	W/S
	Failure to Crank Shutdown	S	S	S
	Over crank (Failure to Start)	S	S	S
	Overspeed	S	S	S
	Under/Over Voltage	S	S	S
	Under/Over Frequency	S	S	S
	Overcurrent	W/S	W/S	W/S
	Reverse power	x	S	S
	Reverse VAR	x	S	S
	Low/High Battery Voltage	W	W	W
	Overload	W	W	W
	Paralleling Capability	AutoSynchronising (Isolated or Utility bus)	x	x
kW & VAR Load Sharing Control		x	x	■
Base Load (Utility Bus)		x	x	■
Synchroscope		x	x	■
Peak Lopping		x	x	■
Power Transfer Function	Open Transition Transfer	x	x	■
	Hard Closed Transition	x	x	■
	Soft Closed Transition (ramping)	x	x	■
	Transfer and Base Load (Utility)	x	x	■
	Gen/Mains Breaker Control and Status Protection	x	x	■

■ Standard o Option x Not possible W Warning S Shutdown

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