KOMPAK

DC35R

Rental GENERATOR

DCEC Cummins CUMMINS





GROUP		Standby Power	Prime Power
Power	*kVA*	**34**	**31**
Power	*kW*	**28**	**25**
Current	*A*	**49**	**45**
Engine Speed	*rpm*	1500	
Standard Voltage	*V*	400/230	
Power Factor	*Cos Phi*	0.8	

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The maxpower available during a variable electrical power sequence, under the stated operating conditions,for which a generating set is capable of delivering in the event of a utilitypower outage or under test conditions for up to 200 hrs of operation per year unrder average of 70%load.Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load, Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

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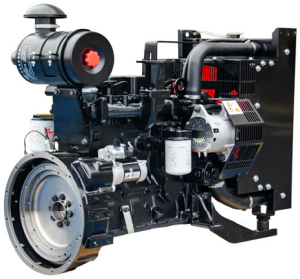
DC35R

Engine

Brand	CUMMINS
Engine	4B3.9-G12
Rated power/Speed	27 KW / 1500rpm
Dry Weigh (approx.)	308 kg
Number of Cylinders	4
Bore	102 mm
Stroke	120 mm
Displacement	3.9 L
Compression Ratio	18:1
Type of injection	Direct injection
Intake System	Naturally Aspirated
Intake Resistance	3.7-6.2kPa
Cooling System	Water cooled
Governor	Electronical
Battery Voltage	24V
Type of Fuel	Diesel
Type of Oil	15W40-CF4
Oil Capacity	10.9 L
Type of Coolant	Glycol mixture
Coolant Capacity (engine+radiator)	7.2L + 8L
Back Pressure	≤ 10kPa
Fuel Consumption (25/50/75/100%)	3.0/4.5/6.1/7.4 L/h

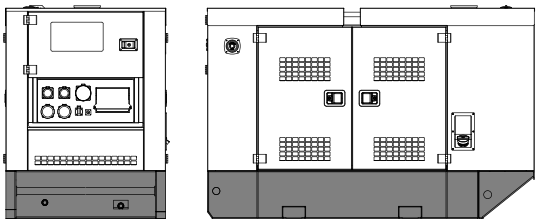
Alternator

Alternator	184G
Prime Power	31 kVA
Exciter	Brushless
Cooling Fan	Cast alloy aluminum
Windings	100% copper
Insulation Class	H
Terminals	12
Drip Proof	IP23
Altitude	≤1000m
Air Flow	0.095 m³/s
Voltage Regulation	±1.0%
Telephone Interference	THF<2%;TIF<50
Total harmonic TGH / THC @no load	< 1.5 % - on load < 5%





Dimensions



Canopied

L x W x H	*mm*	2250x1100x1450
Weight	*kg*	965
Fuel Tank Capacity	*L*	145

Design Standards

- Conformite Europeenne (CE)
- ISO8528-5:2005
- GB/T2820.5-2009
- JB/T20136-2006
- YD/502-2007
- Protection devices working test
- Starting ability in normal temperature
- 50% rated power load moment capability
- Voltage deviation and speed variation
- Customizable process and color
- Optional manufacturer
- Installation place: Outdoors or indoors
- Ambient temperature: -25°C to 50°C
- Humidity: Less than 80%
- Altitude: Below 1000 meters

Features

- Excitation system: Self excited
- Key switch
- Emergency stop switch
- Mains input
- Remote communication connector
- External oil pump
- Battery isolator switch
- Powder coated canopy
- Steel base frame with forkslots
- 50°C radiator
- Dry type air filter
- Inspection lighting
- Base fuel tank for 12 hours running
- Auxiliary water tank
- Terminal output
- Operation Manual / Specifications
- Fuel tank switching

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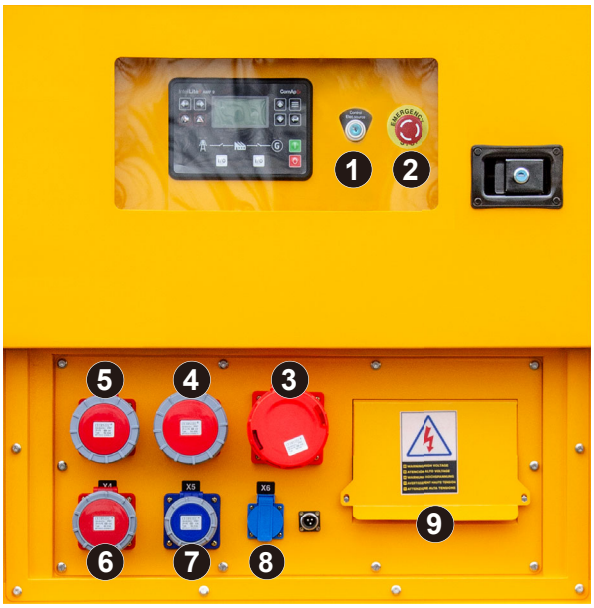
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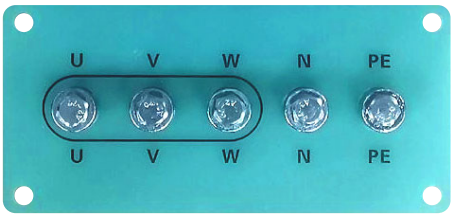
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Control Panel
Output Terminals & Sockets



1. DC12V Power supply switch
2. Emergency stop button
3. 63A 3Phase socket 400V
4. 32A 3Phase socket 400V
5. 32A 3Phase socket 400V
6. 16A 3Phase socket 400V
7. 16A Single phase socket 230V
8. 16A Europe socket 230V



9. U.V.W.N.PE Terminal

ComAp AMF9

Support engine and alterantor monitoring, measurement and protection. This is long-running and back-up unit to integrate the best way to control. support Modbus standard, modem, RS232, RS485, USB and internet.



Genset prime power Kw	●
Power factor	●
engine speed	●
Phase to neutral voltage	●
Phase to phase voltage	●
Genset frequency	●
Genset current	●
Mains Phase to neutral voltage	○
Mains Phase to phase voltage	○
Mains frequency	○
Engine oil pressure	●
Engine water temperature	●
Fuel level	●
Battery voltage	●
Genset power KVA	●
Genset running time	●
Genset output KWh	●
History file	●
Low oil pressure warning,shutdown	●
High water temperature warning,shutdown	●
Engine over and under speed shutdown	●
Low fuel level warning,shutdown	●
Battery low and high voltage warning	●
Battery chargering failure	●
Genset low and high voltage warning, shut down	●
Alternator 3 phase voltage unbalance shut down	●
Alternator low and high frequency warning,shut down	●
Genset over load shutdown	●
Alternator 3 phase current unbalance shutdown	●
Mains low and high voltage warning	○
Mains low and high frequency warning	○
Remote start and stop	●
RS232 card	○
USB card	●
RS485 card	○
Multi language display	●
GPRS communication	○
GPS communication	○
CAN communication	●

● **Standard** ○ **Optional**

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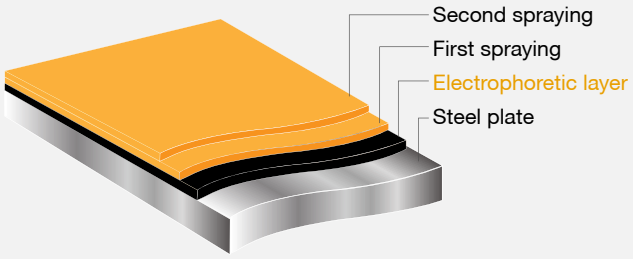
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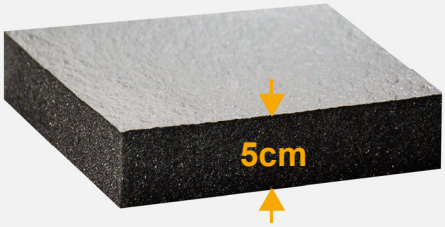
Features & characteristics



Canopy
The canopy is compact and strong, reducing space occupation, suitable for various application places.



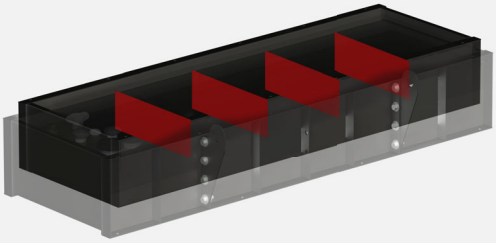
High level rust-proof technology
Three layers of anti rust coating
(electrophoretic, two layers of spray coating)



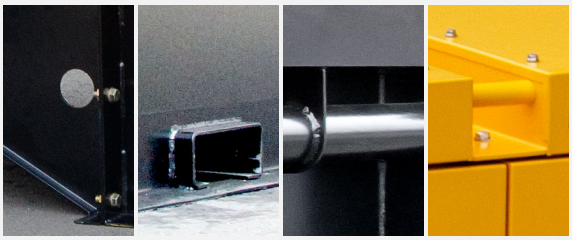
5cm thickness noise reducing sponge
Standard 30 mesh sponge effectively reduces engine running noise by 20-30dBA



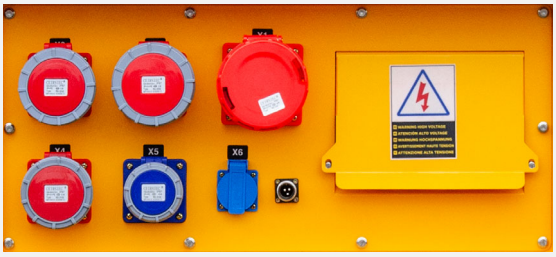
Muffler
High performance muffler with a maximum noise reduction effect of over 25dBA



Bounded fuel tank
Bounded fuel tank to prevent liquid leakage, the internal structure of the tank is designed to prevent surge and is better for safe transportation. The large capacity tank provides more than 12 hours of generator running.



Moving & transportation
Forklift hole, lifting rods & hock holes, pull rod are convenient for the generator movement and transportation.



Output Terminals & Sockets
Output terminals & multi sockets are easly and conveniently adapted to various power output connections.



Rental generator design
Outdoor rainproof and rust-proof canopy, strong chassis suitable for rental generator applications.

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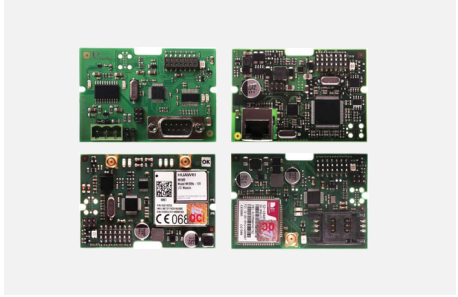
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Options

Funtions & parts options



DEEPSEA controller
Other brand controller as option



Extra functions to controlling
GPS+GPRS or 4G card, RS485 card, Etherent card



Paralleling gen-set control system
ComAp IG200 + Electrical breaker



Water Preheater
1.5kW or 2.5kW



Oil Preheater
150W



Air Preheater

Included in rental generator



Manual oil Pump
Easy to drain oil

Included in rental generator



Six way fuel valve
Change fuel coming from generator bottom tank or external fuel tank



Anti-condensation heater
Add it on the alternator to prevent condensation in high humidity area



Wireless remote control
Max. to 300M distance remote START / STOP



ATS Control box
ATS-100A



External tank (1000L,2000L,3000L)
Transportable, environmentally friendly double -walled fuel storage tank, on-site fuelling and auxiliary supply

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