



BC DIESEL GENERATORS
KAMLOOPS, BRITISH COLUMBIA, CANADA

TECHNICAL DATA



ISO9001:2000



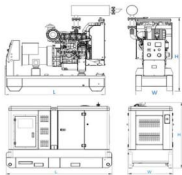
www.bcdieselgenerators.com

60HZ

Rated Power:152 Kw
Standby Power:168Kw

Features

- Compact structure with high-strength chassis;
- Easy operation and maintenance, Low cost;
- Excellent performance damping system;
- Compliance with international electrical safety standards of electrical system;
- 8 hours base tank;
- High-performance maintenance-free batteries with isolation switch
- 50°C Radiator;
- Top lifting, Forklift bottom hole design, easy to transport;
- Industrial muffler;
- Noise reduction structure , Low noise;
- Convenient power output interface;
- IP56 (control system)
- Customized design for user



Dimension and Weight

Generating set model	Silent	Open
Length(L) (mm)	3400	2570
Width(W) (mm)	1150	800
Height(H) (mm)	1950	1498
Dry weight (kg)	3357	2186.5
Tank capacity (L)	390	285

Genset Technical Data

Output frequency	60 HZ
Rated speed	1800 rpm
Prime power	152KW
Standby power	168KW
Rated voltage	120V/280V
Phase	3
Noise dB(A) @7m	72
Engine model	6CTA8.3-G2
Alternator model	UC1274F
Fuel consumption of 100% load	43.9 Litres/h
Fuel consumption of 75% load	32.9 Litres/h
Voltage regulation rate	±1%
Random voltage variation	±1%
Frequency regulation rate	±5%
Random frequency variation	±0.5%



Engine Specifications

Engine model	6CTA8.3-G2
Engine manufacturer	Cummins
Number of cylinders	6
Cylinder arrangement	In-line
Cycle	Four stroke
Aspiration	turbo-charged
Bore Stroke (mm mm)	114 x 135
Displacement (Liter)	8.3
Compression Ratio	17.0:1
Prime power/speed (kW/RPM)	188 / 1800rpm
Standby power/speed (kW/RPM)	207 / 1800rpm
Speed governor	Electrical
Cooling system	Forced Water Cooling Cycle
Steady speed droop (%)	≤1%
Total lubrication system capacity (L)	23.8
Coolant capacity (L)	12.3
Fuel consumption at 100% load (g/kWh)	210 (at 1800RPM)
Starter motor	DC24V
Alternator	DC24V

Alternator Specifications

Rated frequency	60 Hz
Rated speed	1800 rpm
Alternator model	UCI 274F
Rated output prime power	152kW
Efficiency (%)	91.1%
Phase	3
Rated voltage	120v/208v
Exciter type	Self excitation, Brushless
Power factor	0.8
Voltage adjust range	±5.0%
Voltage regulation NL-FL	±1.0%
Insulation grade	H
Protection grade	IP23
Xd DIR. AXIS SYNCHRONOUS	2.30
X'd DIR. AXIS TRANSIENT	0.20
X''d DIR. AXIS SUBTRANSIENT	0.13
Xq QUAD. AXIS REACTANCE	1.32
X''q QUAD. AXIS SUBTRANSIENT	0.19
Optional	
Optional Alternator brand	
Optional Alternator model	
Exciter type	
Rated output prime power	



ISO9001:2000



C US

Control System DSE7320

NSM-100-7320 is an advanced control module based on micro-processor, It is an Auto Mains (Utility) Failure Control Module(AMF), have been designed to start and stop generating sets that include electronic And non-electronic engines. Include the additional capability of being able to monitor a mains (utility) supply. when main is not available, It can automatically start the engine and close generating sets breaker automatically, Accurately measure various operational parameters and display all values and alarms information on the LCD. In additional, it can automatically open breaker, and shutdown the engine after the main supply recovers.

Main Features

- AMF and ATS and communication and expansion function
- Designed to work with electronic or non-electronic or gas engine simultaneously. (support many kinds of engines ECU).
- Manual, Automatic, Test and remote control mode selectable.
- Monitoring and measuring operational parameters of the mains supply and genset.
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections and multiple parameters display.
- Includes 12 inputs and eight outputs. 8 inputs are configurable and 4 outputs are configurable.
- Can be programmed using the front panel or by using the PC software.
- Support twelve languages. The language was edited by customer.
- Graded protection: pre-alarm, shutdown and electrical trip, flexible setting.
- The module can be pre-set for four operating modes and protecting parameters.
- Add DSE860 or DSE865 module, internet network monitoring can be realized.
- The firmware can be updated automatically, so customer can have the latest version.



The control module display

- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current
- Generator KVA, KW, PF
- Engine run-time Hours
- Engine oil pressure
- Engine coolant temperature
- Real time clock for time and date, overall runtime



Contact Us

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