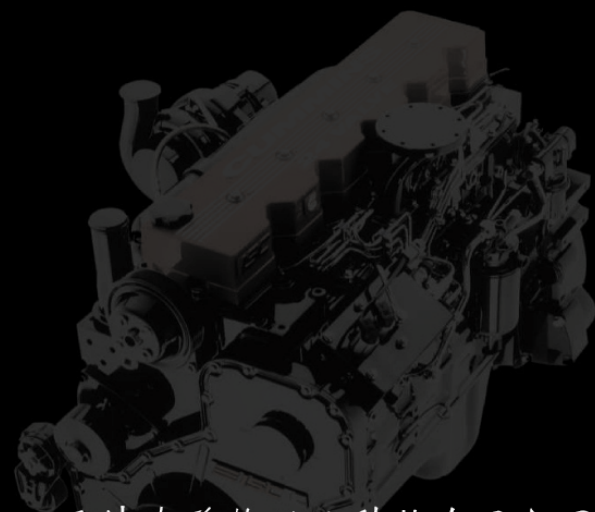


EVERY HOUR.

Cummins G-drive



出口代理：天津泰美特动力科技有限公司
EXPORT AGENT: TEMIT POWER TECH(TIANJIN)COMPANY LTD.

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G-drive Engine List

Engine Model	Engine Type	Disp. (L)	Engine Power (kW)				Overall Dimension (mm) L × W × H
			1500r/min		1800r/min		
			Standby Power	Prime Power	Standby Power	Prime Power	
4B3.9-G1/2	In-line, 4 cylinder, natural aspiration	3.9	26	24	30	27	783 × 703 × 876
4B3.9-G1A/2A	In-line, 4 cylinder, natural aspiration	3.9	40	36	51	45	783 × 703 × 876
4BT3.9-G1/2	In-line, 4 cylinder, turbocharged	3.9	40	36	45	40	783 × 703 × 935
4BT3.9-G1A/2A	In-line, 4 cylinder, turbocharged	3.9	55	50	64	58	783 × 703 × 935
4BTA3.9-G2	In-line, 4 cylinder, turbocharged and after cooled	3.9	55	50	65	60	783 × 703 × 936
4BTA3.9-G2A	In-line, 4 cylinder, turbocharged and after cooled	3.9	65	58	74	64	783 × 703 × 936
6BT5.9-G1/G2	In-line, 6 cylinder, turbocharged	5.9	100	92	115	105	1019 × 703 × 1010
6BTA 5.9-G2	In-line, 6 cylinder, turbocharged and after cooled	5.9	110	100	120	110	1026 × 703 × 1010
6BTA45.9-G2	In-line, 6 cylinder, turbocharged and air-air after cooled	5.9	132	120	140	132	1013 × 703 × 980
6CTA8.3-G2	In-line, 6 cylinder, turbocharged and after cooled	8.3	180	163	207	188	1129 × 743 × 1095
6CTA48.3-G2	In-line, 6 cylinder, turbocharged and air-air after cooled	8.3	207	188	230	210	1128 × 833 × 1146
6LTA48.9-G2	In-line, 6 cylinder, turbocharged and air-air after cooled	8.9	243	220	265	240	1128 × 833 × 1146

Note: G1-Mechanical Governor
G2-Electrical Governor

CHARACTERISTIC

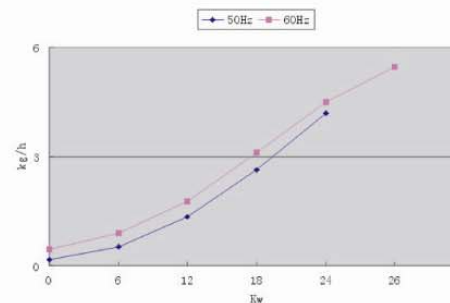
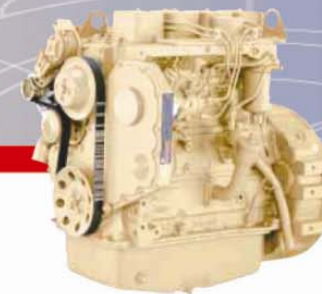
Advanced design and manufacturing make the engine delivers superior performance and lower cost than competitive engines.

As compacted yet durable and dependable engine, Cummins engine contains up to 25~40% fewer parts than competitive engines in its class. This results in a better power-to-weight ration, a less chance of failure and lower repair cost. The turbocharger with wastegated design optimizes operation across the torque curve resulting in excellent low-end torque.

The design of dual ni-resist pistons and greater main bearing area contribute directly to longer engine life and unmatched durability.



4B3.9-G1/2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

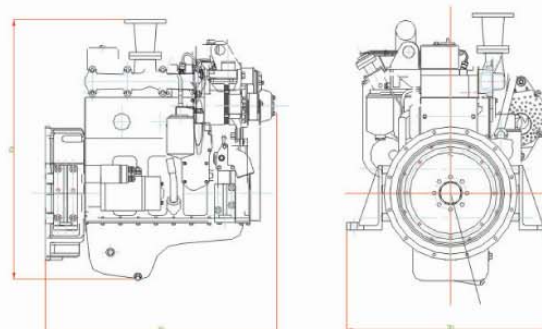
TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

In-line, 4 Cylinder, 4 Cycle, Natural Aspirate Diesel Engine

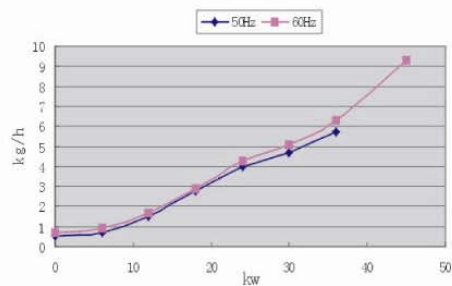
Bore × Stroke	102mm × 120mm
Displacement	3.9 Liters
Compression Ratio	16.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	24kW/ 27KW
Standby Power	26kW/ 30KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)
Lubricant Capacity	11 Liters
Coolant Capacity	7.2 Liters (Engine Only)
Net Weight	300kg
Gross Weight	320kg
Overall Dimension (L × W × H)	783mm × 703mm × 876mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle



Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

4B3.9-G1A/2A



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

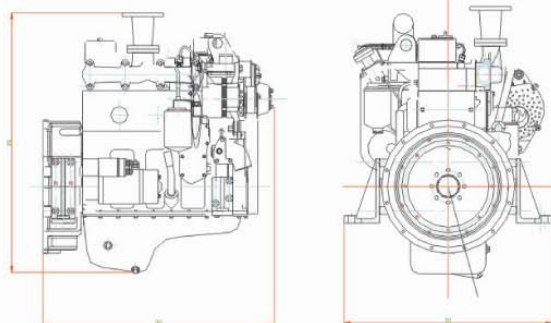
In-line, 4 Cylinder, 4 Cycle, Natural Aspirate Diesel Engine

Bore × Stroke	102mm × 120mm
Displacement	3.9 Liters
Compression Ratio	16.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	36kW/ 45KW
Standby Power	40kW/ 51KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)

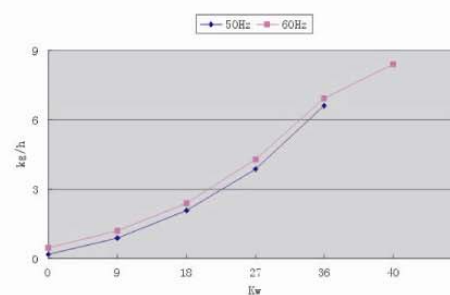
Lubricant Capacity	11 Liters
Coolant Capacity	7.2 Liters (Engine Only)
Net Weight	300kg
Gross Weight	320kg
Overall Dimension(L×W×H)	783mm×703mm×876mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



4BT3.9-G1/2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

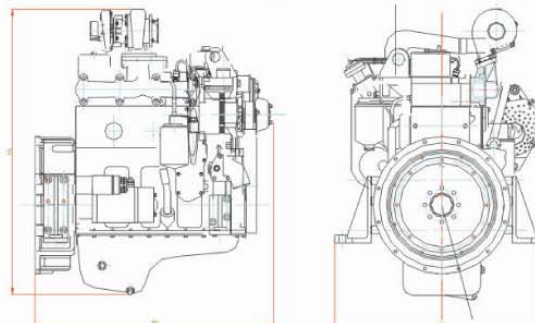
In-line, 4 Cylinder, 4 Cycle, Turbocharged Diesel Engine

Bore × Stroke	102mm × 120mm
Displacement	3.9 Liters
Compression Ratio	16.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	36kW/ 40KW
Standby Power	40kW/ 45KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)

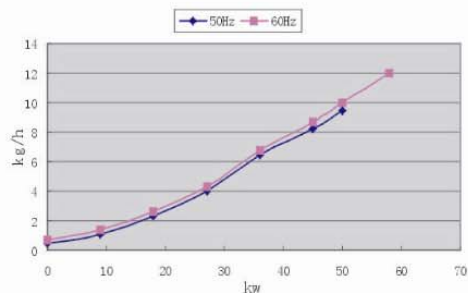
Lubricant Capacity	11 Liters
Coolant Capacity	7.2 Liters (Engine Only)
Net Weight	320kg
Gross Weight	340kg
Overall Dimension(L×W×H)	783mm×703mm×935mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



4BT3.9-G1A/2A



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

In-line, 4 Cylinder, 4 Cycle, Turbocharged Diesel Engine

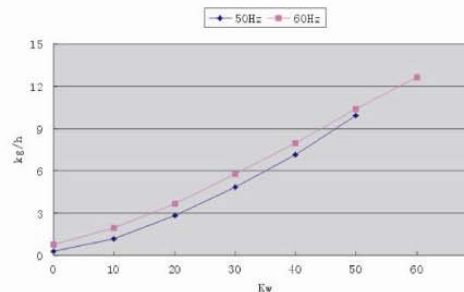
Bore×Stroke	102mm×120mm
Displacement	3.9 Liters
Compression Ratio	16.5:1
Rated Speed	1500 (1800) rpm
Prime Power	50kW/ 58KW
Standby Power	55kW/ 64KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)

Lubricant Capacity	11 Liters
Coolant Capacity	7.2 Liters (Engine Only)
Net Weight	320kg
Gross Weight	340kg
Overall Dimension(L×W×H)	783mm×703mm×935mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

4BTA3.9-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

In-line, 4 Cylinder, 4 Cycle, Turbocharged and Aftercooler Diesel Engine

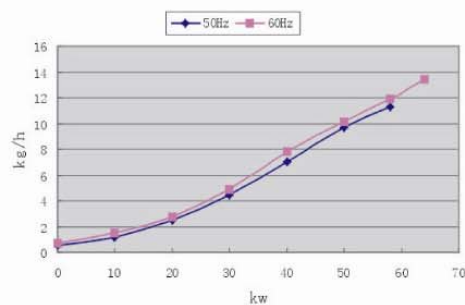
Bore×Stroke	102mm×120mm
Displacement	3.9 Liters
Compression Ratio	16.5:1
Rated Speed	1500 (1800) rpm
Prime Power	50kW/ 60KW
Standby Power	55kW/ 65KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)

Lubricant Capacity	11 Liters
Coolant Capacity	7.9 Liters (Engine Only)
Net Weight	350kg
Gross Weight	370kg
Overall Dimension(L×W×H)	783mm×703mm×936mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

4BTA3.9-G2A



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

n-line, 4 Cylinder, 4 Cycle, Turbocharged and Aftercooler Diesel Engine	
Bore × Stroke	102mm × 120mm
Displacement	3.9 Liters
Compression Ratio	16.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	58kW/ 64KW
Standby Power	65kW/ 74KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor

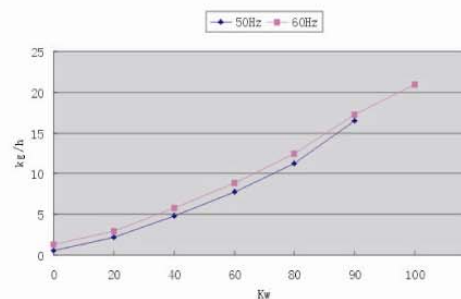
Steady Speed Droop	≤1% (Electrical Governor)
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Lubricant Capacity	11 Liters
Coolant Capacity	7.9 Liters (Engine Only)
Net Weight	350kg
Gross Weight	370kg
Overall Dimension(L×W×H)	783mm×703mm×936mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

6BT5.9-G1/G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

In-line, 6 Cylinder, 4 Cycle, Turbocharged Diesel Engine	
Bore × Stroke	102mm × 120mm
Displacement	5.9 Liters
Compression Ratio	17.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	92kW/ 105KW
Standby Power	100kW/ 115KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor Or RSV Mechanical Governor

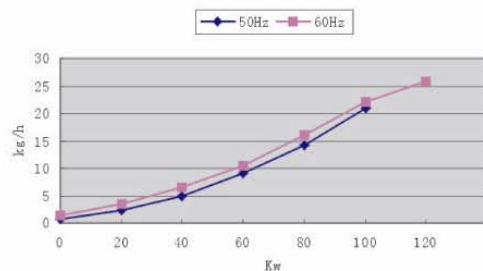
Steady Speed Droop	≤1% (Electrical Governor) ≤5% (Mechanical Governor)
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Lubricant Capacity	16.4 Liters
Coolant Capacity	9.1 Liters (Engine Only)
Net Weight	399kg
Gross Weight	425kg
Overall Dimension(L×W×H)	1019mm×703mm×1010mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3# or SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

6BTA5.9-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

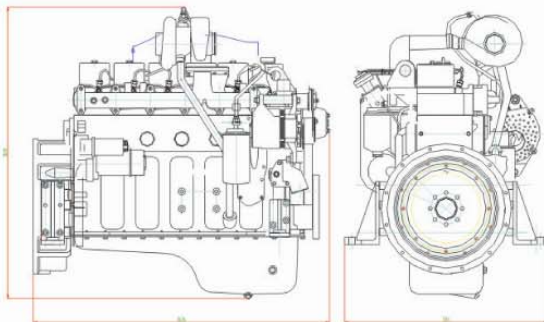
In-line, 6 Cylinder, 4 Cycle, Turbocharged and Aftercooled Diesel Engine	
Bore×Stroke	102mm×120mm
Displacement	5.9 Liters
Compression Ratio	17.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	100kW/ 110KW
Standby Power	110kW/ 120KW
Fuel Injection Pump	AD Injection Pump
Governor	GAC Electrical Governor

Steady Speed Droop	≤1% (Electrical Governor)
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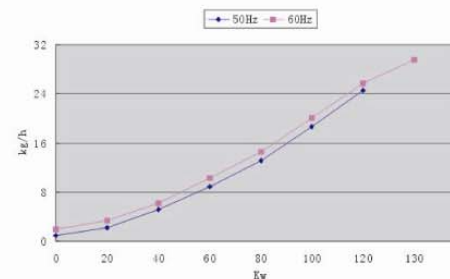
Lubricant Capacity	16.4 Liters
Coolant Capacity	9.9 Liters (Engine Only)
Net Weight	425kg
Gross Weight	450kg
Overall Dimension(L×W×H)	1026mm×703mm×1010mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3# or SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



6BTAA5.9-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

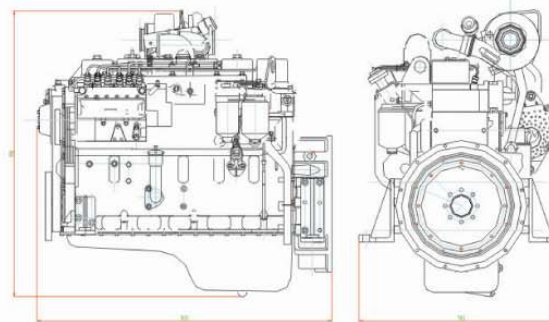
In-line, 6 Cylinder, 4 Cycle, Turbocharged and Charge Air Cooled Diesel Engine	
Bore×Stroke	102mm×120mm
Displacement	5.9 Liters
Compression Ratio	17.5: 1
Rated Speed	1500 (1800) rpm
Prime Power	120kW/ 132KW
Standby Power	132kW/ 140KW
Fuel Injection Pump	PB Injection Pump
Governor	GAC Electrical Governor

Steady Speed Droop	≤1% (Electrical Governor)
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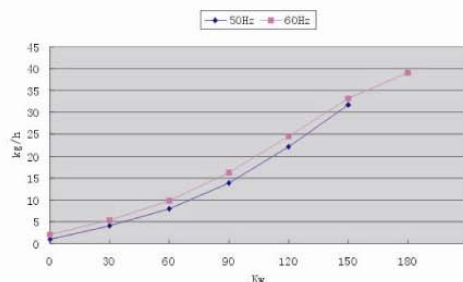
Lubricant Capacity	16.4 Liters
Coolant Capacity	9.1 Liters (Engine Only)
Net Weight	411kg
Gross Weight	437kg
Overall Dimension(L×W×H)	1013mm×703mm×980mm
Coolant Intake Size	Φ58mm
Coolant Outlet Size	Φ45mm
Flywheel/Flywheel Housing	SAE3#/SAE3# or SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



6CTA8.3-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

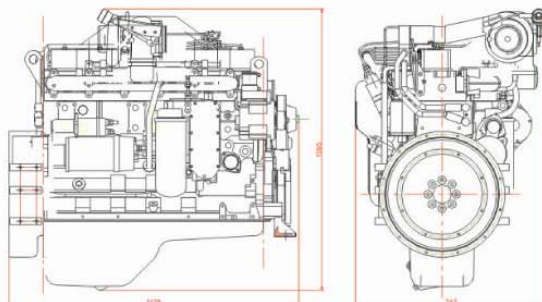
In-line, 6 Cylinder, 4 Cycle, Turbocharged and After Cooled Diesel Engine	
Bore×Stroke	114mm×135mm
Displacement	8.3 Liters
Compression Ratio	17.0: 1
Rated Speed	1500 (1800) rpm
Prime Power	163kW/ 188KW
Standby Power	180kW/ 207KW
Fuel Injection Pump	PB Injection Pump
Governor	GAC Electrical Governor

Steady Speed Droop	≤1% (Electrical Governor)
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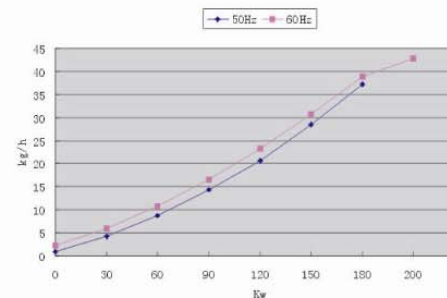
Lubricant Capacity	23.8 Liters
Coolant Capacity	12.3 Liters (Engine Only)
Net Weight	702kg
Gross Weight	730kg
Overall Dimension(L×W×H)	1129mm×743mm×1095mm
Coolant Intake Size	Φ50mm
Coolant Outlet Size	Φ57mm
Flywheel/Flywheel Housing	SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



6CTAA8.3-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25°C
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40°C
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

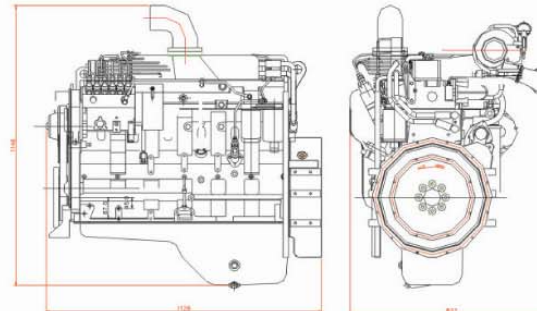
In-line, 6 Cylinder, 4 Cycle, Turbocharged and Charge Air Cooled Diesel Engine	
Bore×Stroke	114mm×135mm
Displacement	8.3 Liters
Compression Ratio	17.0: 1
Rated Speed	1500 (1800) rpm
Prime Power	188kW/ 210KW
Standby Power	207kW/ 230KW
Fuel Injection Pump	P7100 Injection Pump
Governor	GAC Electrical Governor

Steady Speed Droop	≤1% (Electrical Governor)
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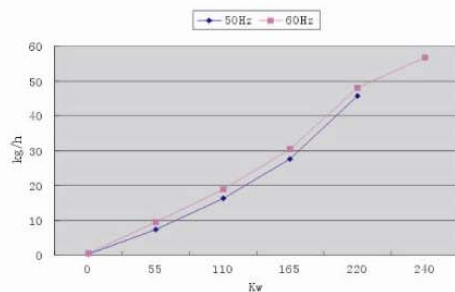
Lubricant Capacity	23.8 Liters
Coolant Capacity	12.3 Liters (Engine Only)
Net Weight	702kg
Gross Weight	730kg
Overall Dimension(L×W×H)	1128mm×833mm×1146mm
Coolant Intake Size	Φ50mm
Coolant Outlet Size	Φ57mm
Flywheel/Flywheel Housing	SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management



6LTAA8.9-G2



PERFORMANCE:

The engine performance based on:

Engine running with fuel system, water pump, oil pump, air cleaner and exhaust muffler but without charging alternator, fan and other optional device.

TESTING STANDARD PARAMETERS:

Standard Air Intake Temperature	25℃
Air Intake Pressure	100kPa
Standard Light Diesel	0# or 10# Light Diesel
Fuel Intake Temperature	40℃
Air Intake Restriction	251mmHg
Exhaust Back Pressure	76mmHg
Lubricant Oil	15W40-CF4 Upgrade

Engine Technical Datasheet

In-line, 6 Cylinder, 4 Cycle, Turbocharged and Charge Air Cooled Diesel Engine

Bore × Stroke	114mm × 144mm
Displacement	8.9 Liters
Compression Ratio	17.0: 1
Rated Speed	1500 (1800) rpm
Prime Power	220kW/ 240KW
Standby Power	243kW/ 265KW
Fuel Injection Pump	P7100 Injection Pump
Governor	GAC Electrical Governor

Steady Speed Droop	≤1% (Electrical Governor)
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Lubricant Capacity	23.8 Liters
Coolant Capacity	12.3 Liters (Engine Only)
Net Weight	718kg
Gross Weight	745kg
Overall Dimension(L × W × H)	1128mm × 833mm × 1146mm
Coolant Intake Size	Φ50mm
Coolant Outlet Size	Φ57mm
Flywheel/Flywheel Housing	SAE2#/SAE2#
Cooling	Forced Water Cooling Cycle

Reliable Engine from DCEC, certified by:

- ISO/TS16949:2002 Quality Management System
- ISO14001 Environment Management System
- OHSAS18001 Occupation Health and Safety Management

Supply List



Standard List

Diesel Engine
 Engine Mounting
 Flywheel and Flywheel House
 Alternator and Starter with 24 V.D.C
 Fuel Filter, Oil Filter, Coolant Filter
 Speed Sensor
 Oil Pressure Sensor
 Coolant Temperature Sensor
 GAC Electrical Governor Actor and Controller Panel
 Air Filter Assembly, Air Intake Resistance Indicator, Support and Air Intake Tube
 Muffler and Flexible Tube
 Fuel Pre-Filter and Support
 Radiator, Fan, Fan Flange and Coolant Tube
 Literatures: Manual etc
 Tools Kit.

Optional List

Alternator and Starter with 12V.D.C
 Cold Starting Equipment: PTC and Air Intake Heater
 Oil Heater
 Coolant Heater
 Instrument Control Panel: including Tachometer, Oil Pressure Meter, Coolant Temperature Meter, Oil Temperature Meter, Voltage Gauge, Run Indicator, Warning Indicator, Beeper, Power Switch, Start Switch, Circuit Breaker and Terminal Connection.

Note

Oil, Diesel Fuel, Coolant Available Recommended by DCEC
 Please Follow the Operation and Maintenance Manual Strictly for Longest Engine Life.