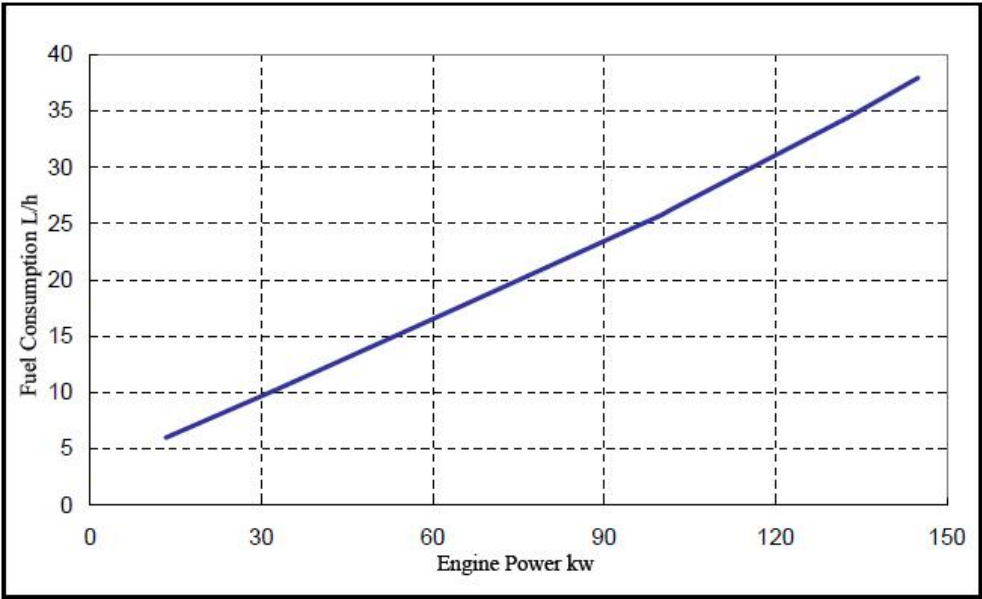


	DONGFENG CUMMINS ENGINE PERFORMANCE CURVE	Engine Model 6CT8.3-G2	Curve No. FR92183	
		Engine Family D41	CPL Code 2335	Date 08-2006
Displacement: 8.3L Bore: 114mm Stroke: 135mm Fuel System: Beiyou PB Pump, GAC Electrical Governor Cylinders: 6 Cylinders, in Line		Advertised Power: 133kW@1500 rpm 178HP@1500 rpm Aspiration: Turbocharged Rating Type: Continuous		

Engine Speed	Standby Power		Rated Power		Continuous Power	
RPM	KW	HP	KW	HP	KW	HP
1500	145	194	133	178	102	137

Output Power			Fuel Consumption	
%	KW	HP	g/kw.h	L/h
Standby Power				
100	145	194	216	38
Rated Power				
100	133	178	214	34
75	100	134	213	26
50	67	89	225	18
25	33	45	257	10
Continuous Power				
100	102	137	213	26



Performance data obtain under normal conditions, according to GB/T18297 test conditions

Technical Request

Aspiration.....	Turbocharged
Net Weight(Dry)-Engine Only.....	684kg
Instantaneous inertia at Rotating: (without Flywheel).....	0.37kg.m ²
Distance from Center of Gravity to the Front Engine Block.....	541mm
Distance from Center of Gravity to the Crankshaft Centerline.....	163mm

Engine Mounting

Maximum (Static) Bending Moment at Rear Face of Block.....	1356 N.m
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Exhaust System

Maximum Back Pressure.....	76 mmHg
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Air Intake System

Maximum Intake Air Restriction:

— with Dirty Filter Element.....	635 mmH ₂ O
— with Normal Clean Air Filter and Clean Filter Element.....	254 mmH ₂ O
—with Heavy-duty Clean Air Filter and Clean Filter Element.....	381 mmH ₂ O

Lubrication System

Normal Operating Oil Pressure Range:

— at Idle Speed.....	103 kPa
— at Rated Speed	276 – 414 kPa

Maximum Sump Oil Temperature.....	121 °C
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Angularity of Standard Oil Pan: Oil Capacity(Max.-Min.).....	18.9-15.1 litre
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Minimum Required Lube System Capacity - Sump plus Filters.....	23.8 litre
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Angularity of Standard Oil Pan:

— Front Down.....	45 °
— Front Up.....	45°
— Side to Side.....	45°

Fuel System

Type of Fuel System.....	Beiyou PB Direct Fuel Injection Pump
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The Maximum Resistance of Fuel Pump When Use Clean Filter.....	102mmHg
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Maximum Fuel Return Oil Resistance.....	254mmHg
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Return Fuel in Total(Constant Load).....	202mmHg
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Cooling System

Coolant Capacity - Engine Only.....	10 L
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Maximum Engine Cooling Circuit External Resistance.....	28kPa
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Minimum Pump Inlet Pressure with Open Thermostat and no Pressure Cap.....	18.3m
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Standard (modulating) Thermostat Range.....	82-95 °C
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Minimum Pressure Cap.....	69 kPa
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The Highest Coolant Temperature(Standby/Rated Power)..... 104/100 °C

Electrical System

Starter Motor.....	12V	24V
Battery Charging System(Polarity Negative Ground).....	63amp	40amp
Maximum Resistance of Starting Circuit.....	0.00075Ω	0.002Ω

Specification Data:

Engine Speed.....rpm
Output Power.....kw
Torque.....N.m
Idle Speed.....rpm
Frictional Loss Power.....kw
Piston Speed.....m/s
Coolant Flow.....l/s
Air Intake Flow..... l/s
Air Exhaust Flow..... l/s
Exhaust Temperature..... °C
Heat Loss in The Environment.....kw
Coolant Heat Loss.....kw
Fuel Heat Loss.....kw

Rated Power	Standby Power
1500	1500rpm
133	145
847	923
750-950	750-950
17	17
6.8	6.8
2.8	2.8
142	152
N/A	N/A
520	560
N/A	N/A
63	68
N/A	N/A

ALL DATA CERTIFIED WITHIN 5%

TBD = To Be Decided N/A = Not Applicable N.A. = Not Available

All data is subject to change without notice, sorry for inform.