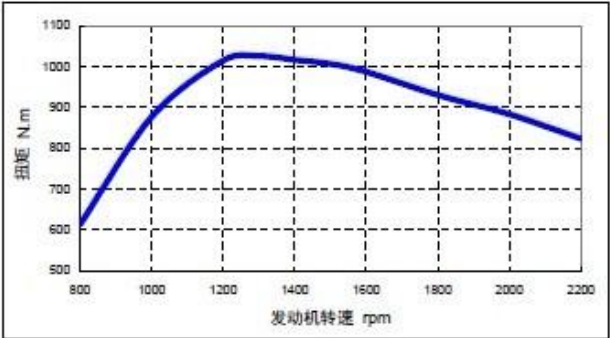
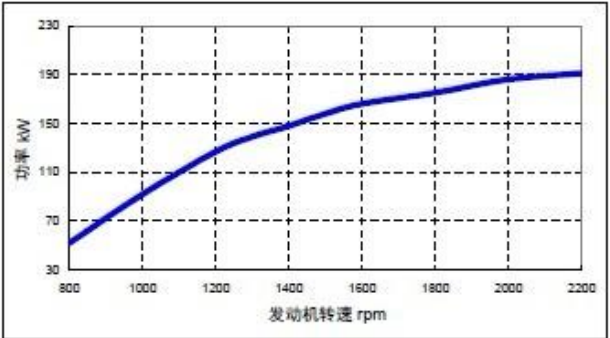
	DONGFENG CUMMINS ENGINE PERFORMANCE CURVE	Engine Model C260-20	Curve No. FR92039	
			CPL Code 0303	Date 15-June

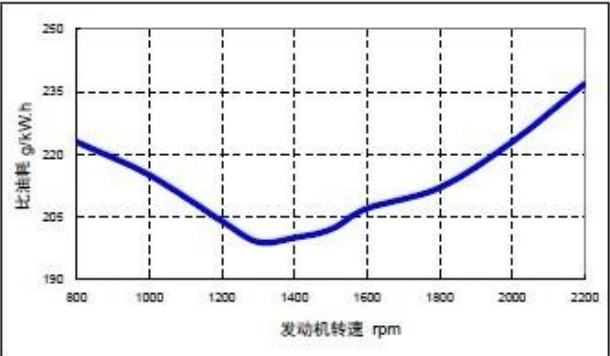
Displacement:8.3L	Advertised Power: 191kW@2200 rpm
Bore: 114mm	260HP@2500 rpm
Stroke: 135mm	Peak Torque: 1025N.m@1300 rpm
Fuel System: BeiyouP7100/RQV-K	Aspiration: Turbocharged &air to air Inter-cooled
Cylinders: 6 Cylinders, in Line	Rating Type: Continuous



扭矩	
rpm	N.m
800	613
1000	878
1200	1014
1300	1025
1400	1018
1500	1008
1600	988
1800	930
2000	883
2200	823



功率	
rpm	kW
800	52
1000	92
1200	127
1300	139
1400	148
1500	158
1600	168
1800	175
2000	186
2200	191



比油耗	
rpm	g/kW.h
800	223
1000	215
1200	204
1300	199
1400	200
1500	202
1600	207
1800	212
2000	223
2200	237

Performance data obtain under normal conditions, according to GB/T18297-2001 test conditions

Cummins Engine Co. Ltd

Diesel Engine for Vehicle Performance Data

Technical Request

Aspiration:	Turbocharged & air to air Inter-cooled
Emission Certification	GB17691/GB14761
Net Weight(Dry)-Engine Only-Average:	747kg
Net Weight(Dry)-Engine with Heat Exchanger-Average	776kg
Compression Ratio:	17.3:1
Distance from Center of Gravity to the Front Engine Block	473mm
Distance from Center of Gravity to the Crankshaft Centerline	162mm
Maximum Bending Moment at Rear Face of Block	1356 N.m
Limit load of Thrust Bearing:	
Instantaneous maximum:	4890 N
Continuous maximum	2670 N

Performance Characteristic

Idle Speed:	750 ± 100rpm
Maximum non-load speed:	2500rpm
Over speed performance(within 15 seconds):	3500rpm
Maximum Altitude at Continuous Operation:	3000m
The clutch torque @ 800rpm:	600N.m
When install exhaust braking:	
The limit exhaust pressure of Turbocharger export @3150 rpm	450 kPa
Maximum power of Exhaust brake	112kw

Engine Speed (RPM)	Oil Pressure (kPa)	Air Flow (SCFM)	Air Pressurized		Exhaust Flow (m3/min)	Exhaust Temperature (°C)	Fuel Consumption KG/h	Heat Energy Loss	
			Flow (kg/min)	Pressure kPa				Coolant (KW)	Air (KW)
2200	410	426	20.7	158	49.1	602	45.3	104	60
1300	272	226	10.6	116	21	572	27.7	59	20.2

Engine Model: C260 20

Curve No.: FR92039

All values within ±5%.

Cummins Engine Co. Ltd

Diesel Engine for Vehicle Performance Data

LUBRICATION SYSTEM

Oil Sump Capacity:

Upper Limit: 19.0L

Lower Limit: 15.2L

Capacity of the whole system: 23.6 L

AIR SYSTEM

Air intake maximum temperature rise from Outside to the Turbocharger 15°C

The allowable maximum restriction when use Dry Air Filter

Medium: kPa (mmH₂O) 2.9(300)

Heavy: kPa (mmH₂O) 3.7(380)

The allowable maximum restriction when use dirty Filter Element: kPa (mmH₂O) 6.2(635)

EXHAUST SYSTEM

The maximum exhaust resistance with exhaust manifold and muffler: kPa(mmHg) 10.0(75)

The allowable minimum diameter of the exhaust manifold: 75mm

FUEL SYSTEM

The maximum resistance of Fuel Pump when use clean filter 150mmHg

Maximum fuel return oil resistance: 520mmHg

COOLING SYSTEM

Engine Coolant Capacity: 12.3 L

The range of temperature adjustment for the Thermostat: 83-95 °C

The maximum pressure of Coolant(without pressure cap and thermostat closed) 280kPa

The highest coolant temperature (at engine exports): 100°C

Maximum degassing time 25mins

Maximum coolant flow to accessories 56 L/min

The lowest coolant temperature 70°C

Minimum speed of water-filling 19 l/min

Minimum coolant expansion volume relative to the system capacity 6 %

Water tank capacity without water expansion 5 L

Minimum allows pressure of pressure cap: 50 kPa

The alarm temperature of the coolant 100°C

The open temperature of louver N/A

Cooling ability of cooling system: Stage II Stage III

The limit environmental temperature at rated speed 45 °C 42 °C

The limit environmental temperature at peak torque 40°C 37°C

24V ELECTRICAL SYSTEM

Maximum resistance of starting circuit

0.002Ω

The cold start current when engine and the clutch separate: CCA

510

COLD STARTING SYSTEM

The lowest cold starting temperature without auxiliary starting device

-10°C @120rpm

The lowest cold starting temperature with starting device

-35°C@ 180rpm

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All data is subject to change without notice- contact Cummins for most recent data.