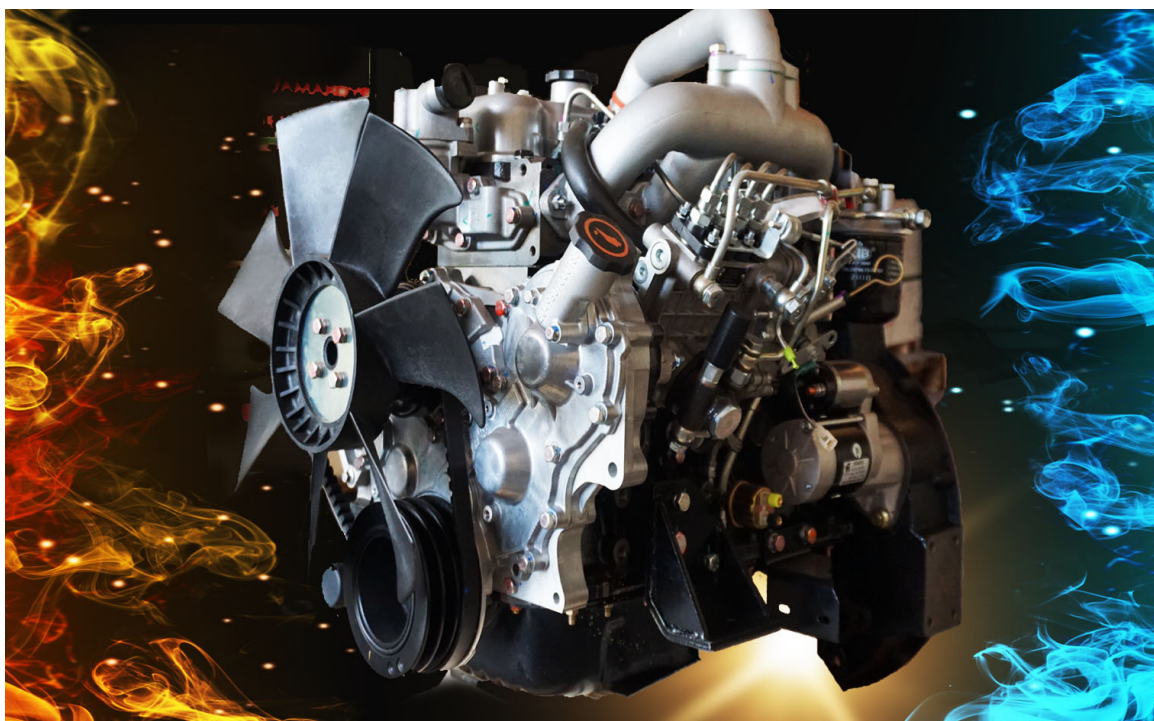


DEFENDER

Diesel Pump Specialist

DIESEL ENGINE



ISUZU

江西五十铃

Jiangxi Isuzu Motors Co., Ltd

JE493-ZDB

Spesification & Load Test Data

Spesification

Engine Model		JE493DB-05
Origin		China
Number of cylinder	Stroke	4
Cylinder Bore	mm	93
Cylinder Stroke	mm	102
Aspiration		Intercooling Turbo
Total Displacement	L	2.771
Rated Output	kW / RPM	50/3000
Maximum Power	kW / RPM	55/3000
Idling Speed	RPM	850
Firing Order		1-3-4-2
Compression Ratio		18.2 : 1
Generator	V-A	14-50
Fuel Oil		Diesel Fuel No.2-D(ASTMD975)
Starting System		Electric Motor Start
Starting Motor	V-kW	12-2.8
Noise	dB (A)	≤ 93
Lubricating Method		Pressure Lubrication and Splash
Oil Consumption Rate	g/kW.H	< 250
Oil Sump Capacity	L	5.6
Rated Output FS		≤ 3.0
Exhaust Temperature	(°C)	≤ 500
Oil Temperature	(°C)	≤ 110
Coolingwater temperature	(°C)	85 ± 10
Dimension (L x W x H)	mm	856 x 601 x 810
Net Mass	kg	245

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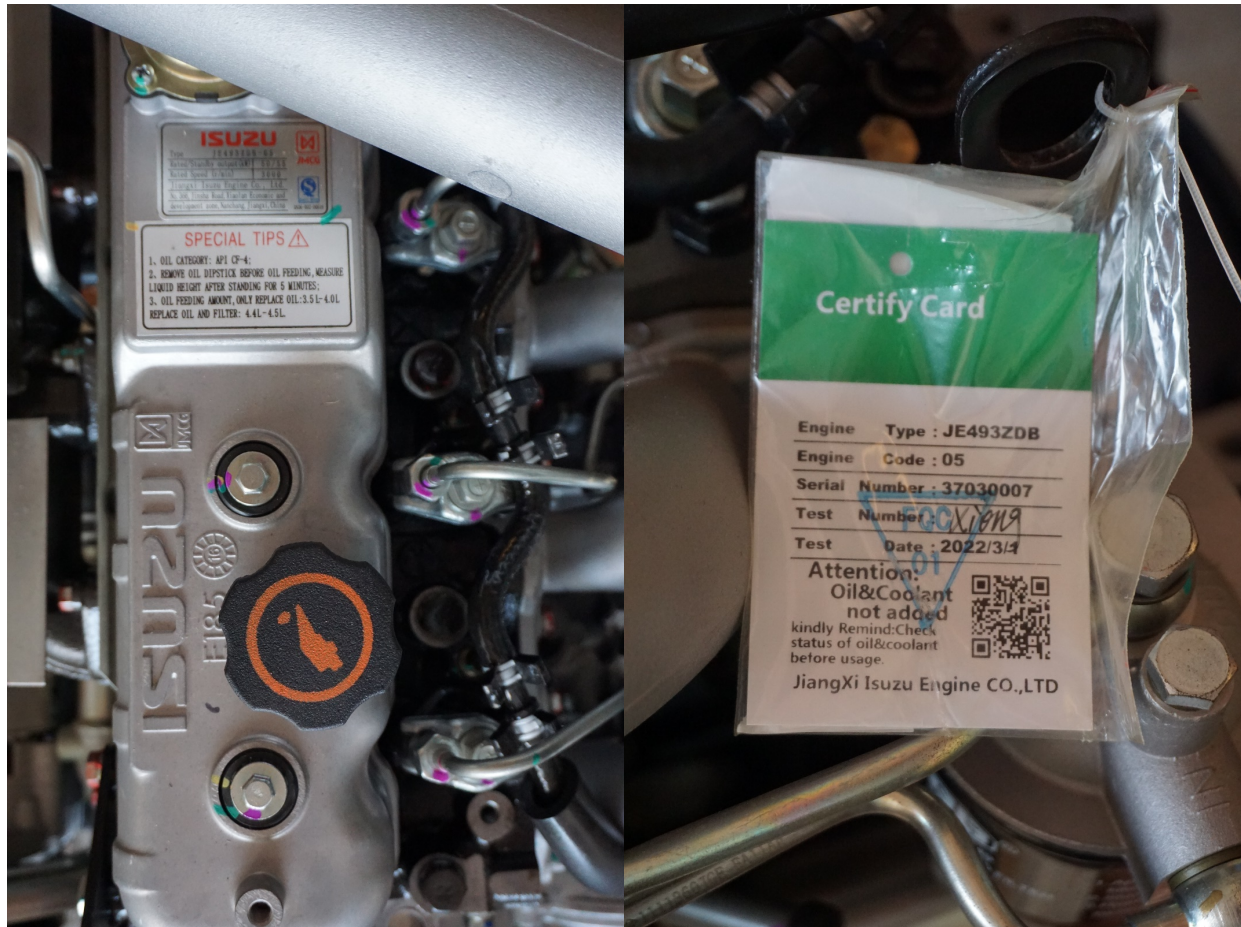
The first joint venture between Isuzu and Jiangxi Automotive Manufacturing Plant (which would later be renamed JMCG) was established in March 1983.[3] Isuzu N-series trucks were manufactured from 1985 onwards. In 1993, when Jiangling Motors Corporation was spun off from JMCG, Jiangxi Automobile Manufacturing Co., Ltd. (a JMCG subsidiary), Itochu Trading and Isuzu created the Jiangling Isuzu joint venture to continue producing Isuzu-badged trucks for 20 years. JMCG owned a 75% stake and the rest was evenly distributed between Isuzu and Itochu.[4] JMCG and Isuzu restructured their agreement in 2012, and the equally-owned Jiangxi Isuzu took charge of Isuzu production in April 2013.

This spesification can be change without prior notice

Approval by

Load Test Data

Load		Torque	Power	Fuel Consumption		Oil Pressure	Oil Temp	Water Temp	Ambient Temp	Exhaust Gas Temp
	r/min	Nm	kW	Ltr/h	g/kW.h	Kpa				
110%	2987	175	54,7	15,97	231	320	109	77	14	341
100%	3000	159,5	51,5	15,57	243	319	106	74	14	336
90%	3006	143	45	13,77	260	319	111	78	14	334
75%	3020	119	37,6	12,87	288,5	320	111	78	14	321
50%	3040	80	25,5	9,38	319,6	318	111	77	14	275
40%	3045	63,6	20,3	8,28	352,2	318	107	70	14	240
25%	3059	40	12,8	7,55	503,9	314	104	67	14	220
10%	3078	16	5,16	7,15	1178	312	102	64	14	210



Approval by