

Case Construction Equipment Crawler Excavators – D Series

		CX130D	CX160D	CX180D	CX210D	CX230D	CX250D	CX300D	CX350D	CX370D	CX490D
<b>ENGINE</b>											
Engine model		ISUZU AR-4JJ1X	ISUZU AR-4JJ1X	ISUZU AR-4JJ1X	ISUZU AR-4HK1X	ISUZU AR-4HK1X	ISUZU AQ-4HK1X	ISUZU AQ-6HK1X	ISUZU AQ-6HK1X	ISUZU AQ-6HK1X	ISUZU AQ-6U21X
Type		Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), turbocharger with air cooled intercooler, SCR system	Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCR system.	Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCR system.	Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCR system.	Water-cooled, 4-cycle diesel, 6-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, SCR system.
Emissions		Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV	Tier 4 final / Eu stage IV
Number of cylinders/Displacement	l	4 / 2.99	4 / 2.99	4 / 2.99	4 / 5.2	4 / 5.2	4 / 5.52	6 / 7.79	6 / 7.79	6 / 7.79	6 / 9.84
Bore and stroke	mm	95.4 x 104.9	95.4 x 104.9	95.4 x 104.9	115 x 125	115 x 125	115 x 125	115 x 125	115 x 125	115 x 125	120 x 145
<b>Rated flywheel horse power</b>											
(SAE J 1349)		–	–	–	119.3 kW / 162 hp at 1800 min <sup>-1</sup>	119.3 kW / 162 hp at 1800 min <sup>-1</sup>	132.1 kW at 2000 min <sup>-1</sup>	154 kW at 1800 min <sup>-1</sup>	200 kW at 1900 min <sup>-1</sup>	200 kW at 1900 min <sup>-1</sup>	–
(ISO 9249)		76.4 kW / 102.5 hp at 2000 min <sup>-1</sup>	83.2 kW / 111.6 hp at 2200 min <sup>-1</sup>	83.2 kW / 111.6 hp at 2200 min <sup>-1</sup>	119.3 kW / 162 hp at 1800 min <sup>-1</sup>	119.3 kW / 162 hp at 1800 min <sup>-1</sup>	132.1 kW at 2000 min <sup>-1</sup>	154 kW at 1800 min <sup>-1</sup>	200 kW at 1900 min <sup>-1</sup>	200 kW at 1900 min <sup>-1</sup>	–
(ISO 14396)		78.5 kW at 2000 min <sup>-1</sup>	86.0 kW / 115.3 hp at 2200 min <sup>-1</sup>	86.0 kW / 115.3 hp at 2200 min <sup>-1</sup>	124 kW / 168.6 hp at 1800 min <sup>-1</sup>	124 kW / 168.6 hp at 1800 min <sup>-1</sup>	140 kW at 2000 min <sup>-1</sup>	161 kW at 1800 min <sup>-1</sup>	210 kW at 1900 min <sup>-1</sup>	210 kW at 1900 min <sup>-1</sup>	270 kW / 362 hp at 2000 min <sup>-1</sup> with fan-pump 245 kW / 328.6 hp at 2000 min <sup>-1</sup>
<b>Maximum torque</b>											
(SAE J 1349)		–	–	–	621 Nm at 1600 min <sup>-1</sup>	620 Nm at 1600 min <sup>-1</sup>	621 Nm at 1800 min <sup>-1</sup>	849 Nm at 1500 min <sup>-1</sup>	988 Nm at 1500 min <sup>-1</sup>	988 Nm at 1500 min <sup>-1</sup>	–
(ISO 9249)		349 Nm at 1800 min <sup>-1</sup>	349 Nm at 1800 min <sup>-1</sup>	349 Nm at 1800 min <sup>-1</sup>	621 Nm at 1600 min <sup>-1</sup>	620 Nm at 1600 min <sup>-1</sup>	621 Nm at 1800 min <sup>-1</sup>	849 Nm at 1500 min <sup>-1</sup>	988 Nm at 1500 min <sup>-1</sup>	988 Nm at 1500 min <sup>-1</sup>	–
(ISO 14396)		356 Nm at 1800 min <sup>-1</sup>	356 Nm at 1800 min <sup>-1</sup>	356 Nm at 1800 min <sup>-1</sup>	637 Nm at 1600 min <sup>-1</sup>	636 Nm at 1600 min <sup>-1</sup>	642 Nm at 1800 min <sup>-1</sup>	880 Nm at 1500 min <sup>-1</sup>	1020 Nm at 1500 min <sup>-1</sup>	1020 Nm at 1500 min <sup>-1</sup>	1363 Nm at 1500 min <sup>-1</sup>
<b>HYDRAULIC SYSTEM</b>											
Main pumps		2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system	2 variable displacement axial piston pumps with regulating system





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Return filter	µm	6	6	6	6	6	6	6	6	6	6
Pilot line filter	µm	8	8	8	8	8	8	8	8	8	8
<b>ELECTRICAL SYSTEM</b>											
Voltage	V	24	24	24	24	24	24	24	24	24	24
Alternator	Amp	50	50	50	50	50	50	50	50	50	50
Starter	v/kW	24/4.0	24/4.0	24/4.0	24/5.0	24/5.0	24/5.0	24/5.0	24/5.0	24/5.0	24/5.5
Battery		2 X 12 V - 72 Ah/5HR	2 X 12 V - 72 Ah/5HR	2 X 12 V - 72 Ah/5HR	2 X 12V - 128 Ah/5 HR	2 X 12V - 92 Ah/5 HR	2 X 12V - 128 Ah/5 HR	2 X 12V - 128 Ah/5 HR	2 X 12V - 128 Ah/5 HR	2 X 12V - 128 Ah/5 HR	2 X 12V - 128 Ah/5 HR
<b>UNDERCARRIAGE</b>											
		BLADE / LC									
Travel motor		Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor	Variable displacement axial piston motor
<b>Travel speeds</b>											
High	km/h	5.6	5.4	4.0	5.6	5.0	5.5	5.4	5.5	5.5	5.3
Low	km/h	3.4	2.8	2.3	3.4	3.2	3.5	3.2	3.3	3.3	3.2
Automatic travel speed shifting											
Drawbar pull	kN	116	160	190	188	200	200	233	273	273	339 (Fixed sideframe undercarriage)
Fixed sideframe undercarriage		–	–	–	–	–	–	–	–	–	2 (each side)
Retractable sideframe undercarriage		–	–	–	–	–	–	–	–	–	3 (each side)
Number of carrier rollers (each side)		1	2	2	2	2	2	2	2	2	–
Number of track rollers (each side)		7	7	7	8	8	9	9	8	8	9
Number of shoes (each side)		43 / 46	44	46	49	47	51	50	48	48	9
Type of shoe		–	–	–	Triple grouser shoe	Triple grouser shoe	Triple grouser shoe	Triple grouser shoe	Triple grouser shoe	Triple grouser shoe	Triple grouser shoe
Grade ability		–	–	–	70 % (35°)	70 % (35°)	70 % (35°)	70 % (35°)	70 % (35°)	70 % (35°)	70 % (35°)
<b>CIRCUIT AND COMPONENTS CAPACITIES</b>											
		LC / NLC									
Fuel tank	l	260	300	300	410 / 320	320	320	457	580	580	650
Hydraulic system	l	157	167	167	250 / 220	220	220	300	350	350	460
Hydraulic tank	l	82	82	82	147 / 117	117	117	147	175	175	230
Adblue tank	l	75	85	85	120 / 85	85	85	120	152	152	152