

Case Construction Equipment Crawler Excavators – SR Series

		CX145C SR	CX235C SR
ENGINE			
Model		Tier 4 interim certified ISUZU AM-4JJ1X	Tier 4 interim certified ISUZU AM-4HK1X
Type		Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, DPD system	Water-cooled, 4-cycle diesel, 4-cylinder in line, High pressure common rail system (electric control), Turbocharger with air cooled intercooler, DPD system
Number of cylinders		4	4
Bore/Stroke	mm	95.4 x 104.9	115 x 125
Horsepower ISO 9249		74.9 kW at 2000 min ⁻¹	119.3 kW at 1800 min ⁻¹
Maximum torque ISO 9249		359 Nm at 1600 min ⁻¹	621 Nm at 1500 min ⁻¹
HYDRAULIC SYSTEM			
Max oil flow		2 x 129 l/min @ 2000 min ⁻¹ 2 variable displacement axial piston pumps with regulating system Working circuit pressure	2 x 211 l/min @ 1800 min ⁻¹ 2 variable displacement axial piston pumps with regulating system Working circuit pressure
Boom/Arm/Bucket	MPa	34.3	34.3
Boom/Arm/Bucket (with auto power up)	MPa	36.3	36.4
Swing circuit	MPa	28.0	29.4
Travel circuit	MPa	34.3	34.3
SWING			
Maximum swing speed	min ⁻¹	10.6	11.8
TRAVEL			
Travel motor		Fixed displacement axial piston motor	Fixed displacement axial piston motor
Max travel speed	km/h	5.6 (Automatic travel speed shifting)	5.0 (Automatic travel speed shifting)
Low travel speed	km/h	3.4	3.2
Gradeability		70% (35°)	70% (35°)
Drawbar pull	kN	116	201
ELECTRICAL SYSTEM			
Circuit	V	24	24
Alternator	Amp	50	50
UNDERCARRIAGE			
Number of carriers rollers (each side)		1 / 2	2 / 2

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Number of track rollers (each side)		7 / 7	7 / 8
Number of shoes (each side)		43 / 47	46 / 49
Type of shoe		Triple grouser shoe	Triple grouser shoe
CAPACITIES			
Fuel tank		200	320
Hydraulic system		158	252
Cooling system		15.3	30.9