

# PRODUCT SPECIFICATIONS FOR 311F L RR

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## ENGINE

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<b>Net Power - ISO 9249</b>	52 kW
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<b>Engine Model</b>	C3.4B
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<b>Engine Power - ISO 14396</b>	55 kW
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<b>Bore</b>	99 mm
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<b>Stroke</b>	110 mm
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<b>Displacement</b>	3.4 l
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## HYDRAULIC SYSTEM

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<b>Main System - Maximum Flow</b>	125 × 2 L/min (33 × 2 gal/min)
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<b>Maximum Pressure - Equipment</b>	30.5 MPa
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<b>Maximum Pressure - Swing</b>	23 MPa
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<b>Maximum Pressure - Travel</b>	35 MPa
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## SWING MECHANISM

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<b>Swing Speed</b>	10 r/min
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<b>Maximum Swing Torque</b>	30.9 kN·m
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## WEIGHTS

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<b>Operating Weight</b>	13000 kg
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## SERVICE REFILL CAPACITIES

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<b>Fuel Tank Capacity</b>	210 l
<b>Cooling System</b>	9 l
<b>Engine Oil</b>	8 l
<b>Swing Drive</b>	2.4 l
<b>Final Drive - Each</b>	3 l
<b>Hydraulic System - Including Tank</b>	160 l
<b>Hydraulic Tank</b>	95 l

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## DIMENSIONS

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<b>Boom</b>	4.3 m (14'1" ft)
<b>Stick</b>	R2.8 m (9'2")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	2760 mm
<b>Handrail Height</b>	2820 mm
<b>Shipping Length</b>	6920 mm
<b>Shipping Length - with Blade</b>	7540 mm
<b>Tail Swing Radius</b>	1750 mm
<b>Counterweight Clearance</b>	915 mm
<b>Ground Clearance</b>	440 mm
<b>Track Length</b>	3490 mm
<b>Length to Center of Rollers</b>	2780 mm
<b>Track Gauge</b>	1990 mm
<b>Transport Width</b>	2690 mm

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## WORKING RANGES

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<b>Maximum Digging Depth</b>	5590 mm
<b>Boom</b>	4.3 m (14'1" ft)
<b>Stick</b>	R2.8 m (9'2")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	8100 mm
<b>Maximum Cutting Height</b>	8140 mm
<b>Maximum Loading Height</b>	5770 mm
<b>Minimum Loading Height</b>	1330 mm
<b>Maximum Vertical Wall Digging Depth</b>	4880 mm
<b>Bucket Digging Force (ISO)</b>	89 kN
<b>Stick Digging Force (ISO)</b>	52 kN

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