

**Caterpillar R2900G Scoop UL016**



<b>Make</b>	Caterpillar		<b>Model</b>	R2900G		
<b>Year</b>		<b>Hours</b>	29759		As at	01/12/2019
<b>Mileage</b>				km	As at	
<b>Serial/VIN</b>	JLK01009			<b>Engine Serial</b>		
<b>Details</b>	Caterpillar R2900G Loader Asset no UL016. Fitted with and running RCT ATX2200 remote system that is included in the sale.. Offered for sale via online auction ex Site Nifty Copper Mine via Telfer Western Australia, running to drive on to buyers transport. See Google Maps link: <a href="https://goo.gl/maps/Xvaa3uBAFso9MP7A8">https://goo.gl/maps/Xvaa3uBAFso9MP7A8</a>					
<b>Asking price</b>	AUD	Under review - call for pricing				
<b>Ex site</b>	Australia, Western Australia, Telfer					

<b>Service history</b>	
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**For further details, to make an offer or book an inspection, contact  
Global Equipment Solutions on Office: 08 9201 1142**











**2.1.1 UL016, LHD CATERPILLAR R2900**

- Offsite Midlife complete (22/7/13) at 8007 hours
- Table 1 includes all-time SMU and outstanding work orders
- Table 2 includes current component life.

Table 1. All-time SMU and outstanding work orders

<b>Asset Number</b>	<b>Model</b>	<b>Serial Number</b>	<b>Current SMU reading (hrs)</b>	<b>All-time SMU</b>
UL016	JLK R2900	JLK01009	29759	29784
<b>Work Order</b>	<b>Description</b>	<b>Start Date</b>	<b>Status</b>	<b>Component</b>
4174205	CHANGE OUT FULL SET OF TYRES	25/11/2019	I	TYRE
4173472	COOLER FAILED AND REQUIRES C/O	10/11/2019	I	COOLER
4173446	Replace RH Cast Corner, LH & RH Heel Shrouds & Repair Inside	15/11/2019	I	BUCKET
4172856	REPLACE LH CORNER TOOTH	4/11/2019	I	GET

Table 2. Current Component life

<b>COMPONENT</b>	<b>Frequency</b>	<b>LAST CHANGE</b>	<b>HOURS TO GO</b>
ENGINE	12000	18770	1011
TRANSMISSION	12000	18768	1009
TORQUE CONVERTOR	12000	24324	6565
Z-LINK	10000	25160	5401
FRONT DIFF	10000	28282	8523
FINAL DRIVE FRONT R/H	10000	28282	8523
FINAL DRIVE FRONT L/H	10000	28282	8523
REAR DIFF	10000	22479	2720
FINAL DRIVE REAR R/H	10000	22479	2720
FINAL DRIVE REAR L/H	10000	22479	2720
H- FRAME	12000	21938	4179

**2.1.2 UL016 SUMMARY**

Currently requires cooler pack before operation, recommend operating until 32,000 hours and replacing due to no re-hose, re-wire for 21,000 hours.

# R2900G

Underground  
Mining Loader



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## Engine

Engine Model	Cat® C15 ACERT™	
Gross Power – SAE J1995	321/333 kW	430/447 hp

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## Operating Specifications

Nominal Payload Capacity	17 200 kg	37,926 lb
Gross Machine Operating Weight	67 409 kg	148,611 lb

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## Bucket Capacities

Bucket Capacity – Std.	7.2 m <sup>3</sup>	9.4 yd <sup>3</sup>
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## Engine

Engine Model	Cat C15 ACERT™	
Rated Power	1900/1800 rpm	
Gross Power – SAE J1995	321/333 kW	430/447 hp
Net Power – SAE J1349	290/302 kW	389/405 hp
Net Power – ISO 9249	288/300 kW	386/402 hp
Net Power – 80/1269/EEC	321/333 kW	430/447 hp
Bore	137.2 mm	5.4 in
Stroke	171.5 mm	6.8 in
Displacement	15.2 L	927.9 in <sup>3</sup>

- Power ratings apply at a rated speed of 1900/1800 rpm when tested under the reference conditions for the specified standard.
- Ratings based on SAE J1995 standard air conditions of 25° C (77° F) and 100 kPa (29.61 Hg) barometer. Power based on fuel having API gravity of 35 at 16° C (60° F) and an LHV of 42 780 kJ/kg (18,390 BTU/lb) when engine used at 30° C (86° F).
- No engine derating required up to 591 m (1,938 ft) altitude.
- Compliant with U.S. Environmental Protection Agency Tier 3 emissions standards.

## Operating Specifications

Nominal Payload Capacity	17 200 kg	37,926 lb
Gross Machine Operating Weight	67 409 kg	148,611 lb
Static Tipping Load Straight Ahead Lift Arms Horizontal	39 923 kg	88,015 lb
Static Tipping Load Full Turn Lift Arms Horizontal	34 069 kg	75,109 lb
Breakout Force (SAE)	27 346 kg	60,298 lb

## Weights

Empty	50 209 kg	110,692 lb
Front Axle	23 057 kg	50,832 lb
Rear Axle	27 152 kg	59,860 lb
Loaded	67 409 kg	148,611 lb
Front Axle	50 220 kg	110,716 lb
Rear Axle	17 189 kg	37,895 lb

## Transmission

Forward 1	5 km/h	3.1 mph
Forward 2	8.8 km/h	5.5 mph
Forward 3	15.2 km/h	9.4 mph
Forward 4	25.3 km/h	15.7 mph
Reverse 1	6.2 km/h	3.9 mph
Reverse 2	10.9 km/h	6.8 mph
Reverse 3	18.6 km/h	11.6 mph
Reverse 4	26.4 km/h	16.4 mph

## Hydraulic Cycle Time

Raise	9.2 Seconds
Dump	3.4 Seconds
Lower, empty, float down	3.1 Seconds
Total Cycle Time	15.7 Seconds

## Bucket Capacities

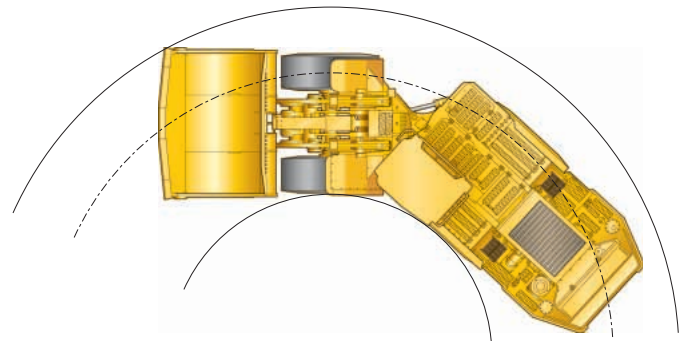
Bucket Capacity – Std.*	7.2 m <sup>3</sup>	9.4 yd <sup>3</sup>
Bucket Width (over cutting edge)	3154 mm	124.2 in
Bucket Capacity – Optional*	8.3 m <sup>3</sup>	10.9 yd <sup>3</sup>
Bucket Capacity – Optional*	8.9 m <sup>3</sup>	11.6 yd <sup>3</sup>

\* High penetration bucket versions also available.

## Turning Dimensions

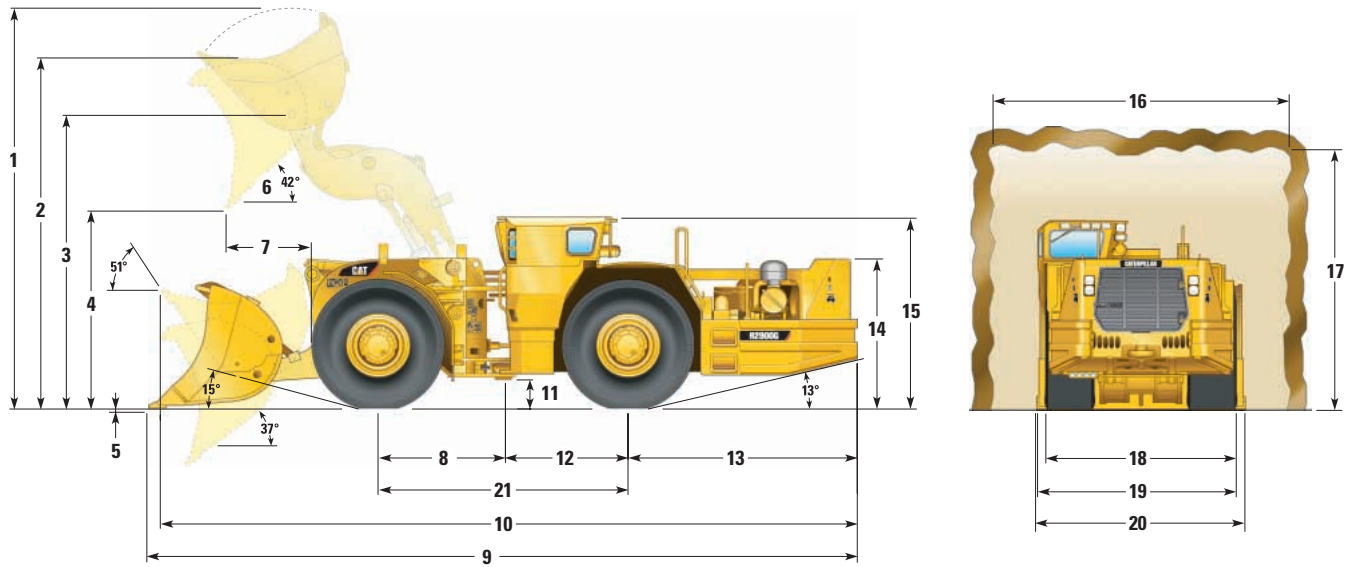
Outside Clearance Radius**	7323 mm	288.3 in
Inner Clearance Radius**	3383 mm	133.2 in
Axle Oscillation	8°	
Articulation Angle	42.5°	

\*\* Clearance dimensions are for reference only.



# Dimensions

All dimensions are approximate.



	249-4899 (Standard Bucket)*		249-4892*		249-4893*	
Bucket capacity	7.2 m <sup>3</sup>	(9.4 yd <sup>3</sup> )	8.3 m <sup>3</sup>	(10.9 yd <sup>3</sup> )	8.9 m <sup>3</sup>	(11.6 yd <sup>3</sup> )
Bucket width over cutting edge	3054 mm	(10 ft)	3154 mm	(10 ft 4 in)	3354 mm	(11 ft)
<b>1</b> Overall height – bucket raised	6179 mm	(20 ft 3 in)	6232 mm	(20 ft 6 in)	6232 mm	(20 ft 6 in)
<b>2</b> Maximum dump height	5427 mm	(17 ft 10 in)	5427 mm	(17 ft 10 in)	5427 mm	(17 ft 10 in)
<b>3</b> Bucket pin height at maximum lift	4539 mm	(14 ft 11 in)	4539 mm	(14 ft 11 in)	4539 mm	(14 ft 11 in)
<b>4</b> Dump clearance at maximum lift	2868 mm	(9 ft 5 in)	2735 mm	(9 ft)	2724 mm	(8 ft 11 in)
<b>5</b> Digging depth	52 mm	(2 in)	65 mm	(2.6 in)	65 mm	(2.6 in)
<b>6</b> Dump angle at maximum lift	42°		42°		42°	
<b>7</b> Reach	1656 mm	(5 ft 5 in)	1803 mm	(5 ft 11 in)	1817 mm	(6 ft)
<b>8</b> Centerline of front axle to centerline of hitch	1890 mm	(6 ft 2 in)	1890 mm	(6 ft 2 in)	1890 mm	(6 ft 2 in)
<b>9</b> Overall length (digging)	11 302 mm	(37 ft 1 in)	11 507 mm	(37 ft 9 in)	11 525 mm	(37 ft 10 in)
<b>10</b> Overall length (tramming)	10 949 mm	(35 ft 11 in)	11 073 mm	(36 ft 4 in)	11 083 mm	(36 ft 4 in)
<b>11</b> Ground clearance	465 mm	(1 ft 6 in)	465 mm	(1 ft 6 in)	465 mm	(1 ft 6 in)
<b>12</b> Centerline of back axle to centerline of hitch	1890 mm	(6 ft 2 in)	1890 mm	(6 ft 2 in)	1890 mm	(6 ft 2 in)
<b>13</b> Length – rear axle to bumper	3572 mm	(11 ft 9 in)	3572 mm	(11 ft 9 in)	3572 mm	(11 ft 9 in)
<b>14</b> Height to top of hood	2371 mm	(7 ft 9 in)	2371 mm	(7 ft 9 in)	2371 mm	(7 ft 9 in)
<b>15</b> Height to top of ROPS	2886 mm	(9 ft 6 in)	2886 mm	(9 ft 6 in)	2886 mm	(9 ft 6 in)
<b>16</b> Tunnel clearance width**	4500 mm	(14 ft 9 in)	4500 mm	(14 ft 9 in)	4500 mm	(14 ft 9 in)
<b>17</b> Tunnel clearance height**	4500 mm	(14 ft 9 in)	4500 mm	(14 ft 9 in)	4500 mm	(14 ft 9 in)
<b>18</b> Overall tire width	2898 mm	(9 ft 6 in)	2898 mm	(9 ft 6 in)	2898 mm	(9 ft 6 in)
<b>19</b> Overall width excluding bucket	3010 mm	(9 ft 10 in)	3010 mm	(9 ft 10 in)	3010 mm	(9 ft 10 in)
<b>20</b> Overall width including bucket	3176 mm	(10 ft 5 in)	3176 mm	(10 ft 5 in)	3176 mm	(10 ft 5 in)
<b>21</b> Wheelbase	3780 mm	(12 ft 5 in)	3780 mm	(12 ft 5 in)	3780 mm	(12 ft 5 in)

\*Dimensions shown with standard material bucket sizes. High penetration bucket versions also available.

\*\*Clearance dimensions are for reference only.