



**SCHEDULE OF RENTAL RATES FOR CONSTRUCTION EQUIPMENT, INCLUDING  
MODEL AND SPECIFICATION REFERENCE**

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**ALL TYPES**

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**127.01****SCOPE**

This specification covers equipment rental rate compensation for work on a Time and Material Basis. The calculated rate represents the cost of owning and operating the equipment and is made up of direct and indirect costs such as fuel, oil, lubrication, field repairs, overhaul, depreciation, financing, storage, insurance, overhead, and profit.

The rental rates in this schedule are hourly, unless otherwise stated, and do not include the cost of the operator.

The information was compiled from manufacturers, equipment dealers and distributors, and contractors and is based on equipment specifications for standard models, including all necessary attachments to perform the work. Adjustments shall not be made to the rental rate due to optional components that may increase the weight, capacity, or power of a piece of equipment.

Except for Subsection 127.02.09, Hoisting Equipment, the rates listed cover the range of all equipment up to the next highest increment. When a piece of equipment falls in between listed categories, with respect to weight or capacity, the lower rental rate shall apply. For Subsection 127.02.09, Hoisting Equipment, when the size of the equipment falls between the increments shown, the rental rate is to be determined by a straight-line interpolation and rounded to the nearest five cents.

The rental rates reflect the existing tax situations as they pertain to the purchase of equipment at the date of publication.

Section 127.03, Manufacturers' Model, Specification, and Capacity Reference Guide, covers a partial listing of manufacturers' equipment model or specification numbers, with appropriate capacity and power ratings. This guide is provided for reference purposes only to assist in determining the appropriate ratings listed in Section 127.02, Schedule of Rental Rates for Construction Equipment.

The rental rates are reviewed annually; therefore, any errors, omissions, or additional suggestions or amendments should be addressed in writing to:

Head, Contract Award  
Contract Management Office  
Ontario Ministry of Transportation  
Garden City Tower, 2nd Floor  
301 St. Paul Street  
St. Catharines, ON L2R 7R4

**127.02 SCHEDULE OF RENTAL RATES FOR CONSTRUCTION EQUIPMENT**

**127.02.01 AIR EQUIPMENT**

**127.02.01.01 Air Compressor, Silenced**

Flow Rate, m <sup>3</sup> /min	
3	10.65
5	16.90
7	24.50
10	44.05
17	77.65
25	107.00
42	193.15

**127.02.01.02 Air Hammer, Including 15 M Hose, Excluding Points**

Weight, kg	
3	1.05
14	1.75
28	1.90

**127.02.01.03 Sand Blaster, Including Nozzles and Hoses**

Sand Pot Capacity, Weight, kg	
135	13.20
270	20.25

**127.02.02 ASPHALT EQUIPMENT**

**127.02.02.01 Asphalt Paver**

Weight, kg	
4,000	134.50
7,000	164.65
9,000	241.90
14,000	349.00
17,000	421.15
20,000	487.55

**127.02.02.02 Asphalt Distributor with Truck**

Tank Volume, litre	
7,000	149.20
11,000	181.95

**127.02.02.03 Asphalt Pavement Profiler**

Power, kW	
32	166.90
90	266.70
135	548.60
340*	818.40
700*	1,052.95

\* Excluding teeth

**127.02.02.04 Asphalt Pavement Repair Equipment**

Equipment Type	
4 kW Pavement Line Grinder	5.25
8 kW Pavement Line Grinder	11.60
15 kW Pavement Line Grinder	41.25

Pavement Router	12.10
Hot Air Lance	10.65
Mastic Kettle	31.45
<b>127.02.02.05</b>	<b>Asphalt Material Transfer Vehicle</b>
Without Surge Bin	440.30
with Surge Bin	512.00
<b>127.02.02.06</b>	<b>Profilograph</b>
Equipment Type	
High Speed, including truck	81.75
<b>127.02.02.07</b>	<b>Linestripper</b>
Equipment Type	
Walk Behind	10.25
Walk Behind Ride-On Attachment	7.15
Skid Mounted	33.65
Ride-On	36.65
400 litre Truck Mounted	171.90
1,000 litre Truck Mounted	204.75
2,000 litre Truck Mounted	246.90
2,000 litre Truck Mounted, including attenuator	263.90
<b>127.02.03</b>	<b>COMPACTION EQUIPMENT</b>
<b>127.02.03.01</b>	<b>Rammer</b>
Minimum Weight, kg	
All Models	5.20
<b>127.02.03.02</b>	<b>Manually Guided, Vibratory Plate</b>
Minimum Weight, kg	
Forward Plate	
All Models	3.90
Reversible Plate	
65	8.45
160	11.25
300	16.95
500	21.25
<b>127.02.03.03</b>	<b>Hoe Mounted, Vibratory Plate, Hydraulic</b>
Minimum Weight, kg	
100	7.70
300	10.25
600	15.40
900	24.05
<b>127.02.03.04</b>	<b>Manually Guided, Self-Propelled, Vibratory, Tandem Drum</b>
Minimum Weight, kg	
400	24.55
1,200	49.40
<b>127.02.03.05</b>	<b>Self-Propelled, Vibratory, Single Pad Foot Drum</b>
Minimum Weight, kg	
1,000	58.65
4,000	77.45

6,000	103.55
9,200	140.65
13,000	166.80
18,000	206.20
24,000	236.50

**127.02.03.06 Self-Propelled, Vibratory, Single Smooth Drum**

Minimum Weight, kg

1,000	52.10
4,000	71.85
6,000	92.10
9,200	129.25
13,000	160.55
18,000	202.70
24,000	234.05

**127.02.03.07 Self-Propelled, Tandem Drum**

Minimum Weight, kg

1,000	32.05
3,000	52.80
6,000	101.55
8,000	124.90
10,000	131.95
12,000	163.15

**127.02.03.08 Self-Propelled, Static, Pneumatic Tires**

Maximum Ballasted Weight, kg

8,000	81.60
18,000	134.15

**127.02.04 CONCRETE EQUIPMENT**

**127.02.04.01 Saw, Self-Propelled, Excluding Blades**

Power, kW

5	11.55
10	15.70
15	29.10
40	72.75
Ride-On	102.80

**127.02.04.02 Saw, Manually Guided, Excluding Blades**

Power, kW

3	4.90
5	7.55
10	10.80

**127.02.04.03 Slip Form Paver**

Power, kW

10	75.45
30	253.35
115	283.05
200	586.25

**127.02.04.04 Concrete Vibrator, Including Flexible Shaft and Electric Motor**

Vibrator Diameter, mm

All models	2.95
<b>127.02.04.05</b>	<b>Concrete Repair Equipment</b>
Equipment Type	
50 mm Hammer Drill, excluding bits	2.00
Predampener	52.55
Shotcrete Pump, Dry Process	14.35
Shotcrete Pump, Wet Process	127.45
<b>127.02.04.06</b>	<b>Concrete Placing Equipment</b>
Equipment Type	
15 m <sup>3</sup> /hr Concrete Pump, Trailer Mount	64.90
25 m <sup>3</sup> /hr Concrete Pump, Trailer Mount	69.80
35 m <sup>3</sup> /hr Concrete Pump, Trailer Mount	107.90
54 m <sup>3</sup> /hr Concrete Pump, Trailer Mount	121.10
98 m <sup>3</sup> /hr Concrete Pump, Trailer Mount	426.55
17 m Vertical Height, Concrete Pump-Truck Mount	282.60
29 m Vertical Height, Concrete Pump-Truck Mount	355.30
36 m Vertical Height, Concrete Pump-Truck Mount	423.70
42 m Vertical Height, Concrete Pump-Truck Mount	544.55
51 m Vertical Height, Concrete Pump-Truck Mount	716.60
Concrete Deck Finisher, Self-Propelled	93.10
Concrete Placer Spreader	510.15
<b>127.02.04.07</b>	<b>Hydraulic Breaker, Boom Mounted</b>
Impact Energy, Joules	
200	5.50
400	8.15
900	12.90
1,500	20.55
2,200	30.55
3,300	39.60
4,500	49.40
6,000	76.80
12,000	103.25
15,000	152.65
20,000	236.55
<b>127.02.05</b>	<b>CRUSHING EQUIPMENT</b>
<b>127.02.05.01</b>	<b>Jaw Crusher, Diesel</b>
Jaw Opening, m	
< 1.00	190.20
1.00	266.65
1.15	361.35
<b>127.02.05.02</b>	<b>Cone Crusher, Diesel</b>
Jaw Opening, m	
0.90	355.55
1.00	430.20
1.30	471.20
<b>127.02.05.03</b>	<b>Impact Crusher, Diesel</b>
Crusher Size, m	
1.0	306.20
1.2	332.15

1.3		446.55
<b>127.02.05.04</b>	<b>Screening Plant, Double Deck, Diesel</b>	
Screen Size, m		
3		149.65
5		168.10
6		191.15
<b>127.02.05.05</b>	<b>Screening Plant, Triple Deck, Diesel</b>	
Screen Size, m		
5		182.65
6		216.80
<b>127.02.05.06</b>	<b>Surge Bins and Conveyor, Excluding Power Unit</b>	
Bin Volume, m <sup>3</sup>		
7		68.05
10		114.80
<b>127.02.05.07</b>	<b>Stacker, Excluding Power Unit</b>	
Conveyor Length, m		
Wheeled, Electric		
12		17.00
18		29.25
24		51.45
30		76.65
Tracked, Diesel		
18		78.10
24		94.00
30		121.25
<b>127.02.05.08</b>	<b>Telescoping Stackers, Excluding Power Unit</b>	
Conveyor Length, m		
36		171.15
46		238.75
61		342.40
76		379.10
<b>127.02.05.09</b>	<b>Trommel Screening Plant, Diesel</b>	
Drum Diameter, m		
1.50		116.30
1.80		170.50
<b>127.02.06</b>	<b>EARTH MOVING, GRADING EQUIPMENT</b>	
<b>127.02.06.01</b>	<b>Scraper, Single Engine, Two-Wheel Drive</b>	
Minimum Struck Capacity, m <sup>3</sup>		
10		292.90
16		391.00
<b>127.02.06.02</b>	<b>Scraper, Twin Engine, Four-Wheel Drive</b>	
Minimum Struck Capacity, m <sup>3</sup>		
10		364.95
16		496.65
22		653.70

**127.02.06.03                    Scraper, Single Engine, Self-Loading**

Minimum Struck Capacity, m <sup>3</sup>	
11	299.40

**127.02.06.04                    Scraper, Pull Type**

Minimum Struck Capacity, m <sup>3</sup>	
6	29.70
9	45.65
11	49.95
14	80.55

**127.02.06.05                    Tractor Bulldozer, Crawler Type**

Minimum Net Flywheel Power, kW	
50	84.30
60	99.80
80	131.85
120	189.90
160	277.05
210	389.65
280	544.50

**127.02.06.06                    Tractor Bulldozer Ripper Attachment, Hydraulic, Rear Mounted**

Power, kW	
50	7.85
120	12.15
160	16.20
210	26.10
280	47.50

**127.02.06.07                    Wheeled Tractor, Farm, Industrial**

Power, kW	
25	20.20
40	27.15
50	37.65
70	54.15
90	77.55

**127.02.06.08                    Motor Grader, Articulated Frame**

Minimum Operating Weight, kg	
14,000	161.30
20,000	190.60
30,000	418.45

**127.02.06.09                    Motor Grader Ripper or Scarifier Attachment, Hydraulic Mounted**

Grader Weight, kg	
14,000 - Grader Ripper	9.80
20,000 - Grader Ripper	13.15
30,000 - Grader Ripper	24.80
Scarifier - any size grader	8.10

**127.02.06.10                    Gravel or Chip Spreader, Self-Propelled**

Spreader Width, m	
3	220.75
4	280.20
5	344.10

**127.02.06.11 Spreader Attachment**

Equipment Type	
Grader/FEL - Shouldering	26.25

**127.02.06.12 Shoulder Spreader/Road Widener**

Spreader Width, m	
2	152.05
3	210.05

**127.02.06.13 Reclaimer/Stabilizer, Excluding Teeth**

Equipment Power, kW	
250	421.35
325	514.05
440	727.65

**127.02.06.14 Grade Trimmer**

Minimum Width, m	
3	557.70

**127.02.07 EXCAVATION EQUIPMENT**

**127.02.07.01 Hydraulic Excavator, Crawler Mounted, Long Reach, 12 to 21 M Boom**

Minimum Operating Weight, kg	
23,000	167.90
26,500	213.40
32,000	254.10
44,000	354.85

**127.02.07.02 Hydraulic Excavator, Crawler Mounted**

Minimum Operating Weight, kg	
1,000	30.40
4,000	48.60
6,000	73.40
12,000	122.10
19,500	150.80
23,000	165.65
26,500	198.00
32,000	228.10
44,000	354.75
63,500	487.10
80,000	552.50
100,000	643.40

**127.02.07.03 Hydraulic Excavator, Rubber Tired**

Minimum Operating Weight, kg	
11,000	161.70
18,000	194.55
21,000	220.80

**127.02.07.04 Hydraulic Excavator, Bucket Attachment, Wrist Action**

Minimum Carrier Weight, kg	
1,000	4.30
4,000	5.85
6,000	6.75

12,000		10.30
19,500		13.50
23,000		18.85
<b>127.02.07.05</b>	<b>Telescopic Boom, Carrier Mounted Excavator</b>	
Weight, kg		
15,000		210.45
22,000		270.80
<b>127.02.07.06</b>	<b>Telescopic Boom, Crawler Mounted Excavator</b>	
Weight, kg		
17,000		170.50
20,000		194.90
23,000		227.35
<b>127.02.07.07</b>	<b>Tractor with Loader/Backhoe Combination</b>	
Minimum Power, kW		
30		37.55
45		72.50
65		94.15
80		102.60
94		151.25
<b>127.02.07.08</b>	<b>Tractor with Loader/Backhoe Combination, Attachments</b>	
Attachment Type		
Auger		6.25
Breaker	See 127.02.04.07	
Bucket Thumb		5.35
<b>127.02.07.09</b>	<b>Front End Loader, Crawler Mounted</b>	
Power, kW		
100		182.75
150		243.25
<b>127.02.07.10</b>	<b>Front End Loader, Rubber Tire</b>	
Power, kW		
40		53.80
70		92.35
100		106.65
125		114.35
140		151.35
175		175.30
200		185.25
225		230.30
250		246.90
300		311.40
370		488.85
<b>127.02.07.11</b>	<b>Skid Steer Loader, Rubber Tire</b>	
Rated Operating Capacity (50% Tipping Load)		
300		24.95
700		39.70
850		42.00
1,000		45.95
1,200		50.05

1,500		62.55
<b>127.02.07.12</b>	<b>Skid Steer Loader, Tracked</b>	
Rated Operating Capacity (35% Tipping Load)		
300		47.35
900		53.70
1,100		56.40
1,300		65.95
1,600		80.75
1,800		86.25
<b>127.02.07.13</b>	<b>Skid Steer Loader, Attachments</b>	
Attachment Type		
Auger		5.10
Backhoe		15.15
Breaker	See 127.02.04.07	
Cold Planer		24.85
Multi Bucket		4.60
Pick Up Broom		6.80
Power Rake		11.95
Scarifier		1.50
Steel Tracks		4.15
Sweeper, Angle Broom	See 127.02.12.01	
Trencher		6.85
<b>127.02.07.14</b>	<b>Chain Type Trenching Equipment</b>	
Power, kW		
13		25.60
20		49.40
35		62.35
50		117.20
<b>127.02.08</b>	<b>HAULAGE EQUIPMENT</b>	
<b>127.02.08.01</b>	<b>Tag Along Trailer</b>	
Load Capacity, kg		
1,500		1.65
2,500		2.85
5,400		4.70
10,000		7.95
16,000		12.15
22,000		14.65
<b>127.02.08.02</b>	<b>Rigid Gooseneck Float with Tractor</b>	
Load Capacity, kg		
20,000		144.30
40,000		157.75
<b>127.02.08.03</b>	<b>Detachable Gooseneck Float with Tractor</b>	
Load Capacity, kg		
30,000		151.15
45,000		155.55

<b>127.02.08.04</b>	<b>Pickup Truck</b>	
Pickup Type		
Mini Type		27.15
2,600 kg GVW		31.45
3,800 kg GVW		39.75
4,500 kg GVW		41.05
<b>127.02.08.05</b>	<b>Rear Dump, Single Rear Axle, Diesel or Gas</b>	
AGW, kg		
5,000		68.35
12,000		76.75
<b>127.02.08.06</b>	<b>Rear Dump, Tandem Rear Axle, Diesel or Gas</b>	
AGW, kg		
24,000		109.75
<b>127.02.08.07</b>	<b>Rear Dump, Tri- Axle, Diesel</b>	
AGW, kg		
32,000		130.25
32,000 kg Stone Spreader		157.15
<b>127.02.08.08</b>	<b>Tractor, On Highway, Diesel</b>	
Tandem Axle		125.40
<b>127.02.08.09</b>	<b>Trailers, Rear Dump</b>	
Axle Configuration		
Pony/Pup		22.35
Tri		28.45
Quad		36.90
Quint		44.05
<b>127.02.08.10</b>	<b>Trailers, Live Bottom</b>	
Axle Configuration		
Tandem		33.80
Tri		38.25
Quad		41.30
Quint		45.50
<b>127.02.08.11</b>	<b>Water Truck, Single Rear Axle</b>	
Spray Bar Type		
Gravity/Pressure		99.30
<b>127.02.08.12</b>	<b>Water Truck, Tandem Rear Axle</b>	
Spray Bar Type		
Pressure		122.40
<b>127.02.08.13</b>	<b>Dump Trucks, Off Highway, Rigid Frame</b>	
Payload, kg		
35,000		261.95
38,000		294.75
50,000		387.55
75,000		603.35

**127.02.08.14 Dump Trucks, Off Highway, Articulated Frame**

Payload, kg	
20,000	186.30
26,000	214.05
30,000	268.50
35,000	280.25
40,000	331.45

**127.02.09 HOISTING EQUIPMENT**

**127.02.09.01 Boom Truck**

Lift Capacity, kg	
7,000	131.60
11,000	164.55
19,000	188.80
25,000	243.50
40,000	363.05

**127.02.09.02 Hydraulic Crane, Rough Terrain**

Lift Capacity, kg	
13,000	147.35
20,000	204.15
40,000	243.45
65,000	331.15
100,000	508.30

**127.02.09.03 Hydraulic Crane, Carrier Mounted**

Lift Capacity, kg	
25,000	292.90
45,000	400.10
60,000	462.70
90,000	580.50
135,000	766.45
200,000	911.50
300,000	1,273.75

**127.02.09.04 Lattice Boom Crane, Crawler Mounted**

Lift Capacity, kg	
70,000	295.05
90,000	363.30
130,000	535.40
200,000	674.30
250,000	906.00

**127.02.09.05 Aerial Bucket Lift, Truck Mounted, Including Truck**

Platform Height, m	
7.0	116.10
10.0	130.85
15.0	150.70
20.0	207.85

**127.02.09.06 Aerial Bucket Lift, Self-Propelled, Telescopic/Articulating**

Platform Height, m	
9.0	47.75
12.0	66.50
18.0	99.35
22.0	139.75
30.0	184.90
41.0	278.10

**127.02.09.07 Scissor Lift, Self-Propelled**

Platform Height, m	
4.0	15.40
7.0	21.40
9.0	40.05

**127.02.09.08 Tool Carrier**

See 127.02.07.10 Front End Loader, Rubber Tire

**127.02.09.09 Telescopic Handlers**

Lifting Height, m	
5	69.40
10	97.40

**127.02.10 PILE DRIVING EQUIPMENT**

**127.02.10.01 Hammer, Open End, Diesel**

Rated Energy, joules	
50,000	65.05
80,000	98.75
120,000	108.55
220,000	238.85
300,000	256.70

**127.02.10.02 Driver/Extractor, Vibratory Centrifugal, Including Power Pack, Excluding Crane**

Driving Force, kN	
245	199.85
392	217.25
637	278.00
980	369.85
1,471	491.65

**127.02.10.03 Leads, Including Hydraulics and Kicker**

Length, m	
20, Fixed/Vertical	48.90
24, Fixed/Vertical	49.20
30, Fixed/Vertical	51.15
20, Hanging	18.15
24, Hanging	20.40
30, Hanging	24.95

**127.02.10.04 Hydraulic Post Driver**

Track Mounted	110.10
Truck Mounted	159.35

**127.02.10.05 Universal Piling Machine, Including Attachment**

Power Rating, kW	
< 450	788.20
450	1,126.60
570	1,402.70

**127.02.11 DRILLING EQUIPMENT**

Note: Use Manufacturer's Model, Specification, and Capacity tables to determine power rating for hydraulically driven rotary drilling equipment.

**127.02.11.01 Mechanical Drilling Equipment, Truck Mounted, Including Auger, Crowd and Power Pack**

Power, kW	
80	315.75
120	602.35

**127.02.11.02 Mechanical Drilling Equipment, Crawler Mounted, Including Auger**

Power, kW	
95	287.20
113	488.95
130	533.25

**127.02.11.03 Hydraulic Drill Rig**

Torque, kNm	
50	446.25
190	690.45
270	846.45
320	1,048.85
450	1,242.40
550	1,757.00

Note: Base rate includes casing, teeth, and auger. Replacement auger teeth not included.

**127.02.11.04 Mechanical Drilling Equipment, Crane Mounted Attachment, Including Auger**

Power, kW	
110	118.10
200	140.00

**127.02.11.05 Horizontal Earth Boring Equipment**

Power Rating, kW	
20	72.85
50	132.45
100	190.95
200	368.05

Note: Base rate includes 20 m auger and cutting head.

**127.02.11.06 Trenchless Directional Drill, Track Mounted**

Pullback Force, kN	
40	91.20
85	178.80
130	295.80
220	467.05
440	630.55

**127.02.11.07                    Hydraulic Rock Drill, Including Power Pack, Excluding Drill Steel and Bits**

Diameter, mm	
75	243.45
125	331.85
150	679.00

**127.02.11.08                    Tieback Drill Rig, Hydraulic, Dual Head**

Power, kW	
< 140	215.75
140	386.10

Note: Base rate includes initial casing, drilling, augering components up to 20 m.

**127.02.12                        BROOM AND SWEEPER EQUIPMENT**

**127.02.12.01                    Front Mounted Attachment, Hydraulic**

Broom Width, m	
1.2	5.95
1.8	7.40
2.4	12.10

**127.02.12.02                    Self-Propelled, Dual Control**

Sweeper Type	
All Models	175.50

**127.02.13                        FORESTRY EQUIPMENT**

**127.02.13.01                    Brush Chipper, Tow Type**

Chipper Capacity, mm	
150	25.90
300	58.05
375	83.70
450	102.35
500	229.65

**127.02.13.02                    Log Skidder, Cable/Grapple**

Minimum Net Flywheel Power, kW	
120	182.85
170	215.65

**127.02.13.03                    Chain Saw**

Power, kW	
3	4.10
5	6.40

**127.02.14                        PORTABLE GENERATING EQUIPMENT**

**127.02.14.01                    Generator, Gas or Diesel**

Prime Power Rating,		
kW	(KVA)	
0.5	(0.6)	1.85
3	(3.8)	4.60
10	(12.5)	11.95
20	(25)	25.95
56	(70)	44.60

80	(100)	58.60
120	(150)	89.25
160	(200)	109.25
240	(300)	146.10
320	(400)	208.45
480	(600)	276.05
880	(1,100)	469.30

**127.02.15 PUMPING EQUIPMENT**

**127.02.15.01 Centrifugal, Dewatering, Including 6 M Suction and 7.5 M Discharge**

Intake Size, mm		
25		1.05
50		2.60
100		4.70

**127.02.15.02 Centrifugal, Trash, Including 6 M Suction and 7.5 M Discharge**

Intake Size, mm		
50		4.85
75		6.75
100		11.25
150		39.40
200		99.20

**127.02.15.03 Electric Submersible, Including 30 M Cable and 7.5 M Discharge, Excluding Generator**

Intake Diameter, mm		
50		1.10
75		2.75
100		5.80
150		12.55
200		31.85

**127.02.16 WELDING EQUIPMENT**

**127.02.16.01 Dc Arc Welder, Engine Driven, Including Rods**

Current, A		
125		7.30
150		9.45
200		12.35
300		14.85
400		23.65

**127.02.16.02 Oxygen/Acetylene Torch, Including Gas, Excluding Rods**

Equipment Type		
Hand Mobile, Heavy Duty		12.95

**127.02.17 TRAFFIC CONTROL DEVICES**

**127.02.17.01 Portable Variable Message Signs**

Equipment Type		
Trailer Mounted, Solar		15.25
Truck Mounted		6.75

**127.02.17.02                    Buffer Vehicles, Including Arrow Board and Attenuator**

Equipment Type	
Crash Truck	89.30

**127.02.17.03                    Portable Light Towers, Trailer Mounted**

Extended Tower Height, m	
9	19.70

**127.02.18                        MISCELLANEOUS EQUIPMENT**

**127.02.18.01                    Hydro Excavation Equipment**

Hydro Excavating / Vacuum Truck	
Single Axle	164.45
Tandem Axle	216.50
Tri Axle	263.45

## 127.03

**MANUFACTURERS' MODEL, SPECIFICATION AND CAPACITY REFERENCE  
GUIDE**

Note: Each table has a number in parentheses as part of the table title that refers to the corresponding clause in Section 2 - Schedule of Rental Rates for Construction Equipment.

**127.03.01 AIR EQUIPMENT**

**Air Compressor, Silenced (127.02.01.01)**

Flow Rate m <sup>3</sup> /min	3	5	7	10	17	25	42
Airmann		PDS185S-6EZ1					
Atlas Copco	XAS110	XAS185 XAS188	XATS250	XAS400 XATS400	XAHS336 XAMS356 XATS750-16 XAVS650 XAVS900	XAS950 XATS1200 XRVS1000	XAS1800 XRVS1550
Bobcat	PA7.4	PA185	PA250	PA425V			
Chicago Pneumatics		CPS185 CPS205			CPS750 CPS750CD3 CPS750-16		
Doosan		C185WDO C185WDZ P185 P185WDO XP185	P250	P425 P450	XP825	HP915WCU XP1000	HP1600WCU
Kaeser		M50PE M55PE M58	M82	M114 M118 M125	M171	M250 M350	
Sullair		185DPQ	260	375 375H 375HDPQ 400HHDPQ 425DPQ		800HH-900HH E1035H	1600H
Sullivan-Palatek				375CFM	D750PH		

**Sand Blaster, Including Nozzles and Hoses (127.02.01.03)**

Weight, kg	135	270
Clemco	1648 2024 2452	3661 3680
Schmidt	AX6001-061-01 AX6001-062-02 AX6001-063-01 BMS65TERRA BMS65CMS BMS65TVA	

**Asphalt Paver (127.02.02.01)**

<b>Weight, kg</b>	<b>4,000</b>	<b>7,000</b>	<b>9,000</b>	<b>14,000</b>	<b>17,000</b>	<b>20,000</b>
Astec		CP75 II CP85	CP100 II CP130			
Bomag	BF200C-2	BF300C-2 BF300P-2		CR820T CR820W	CR1030W	CR1030T
Caterpillar		AP300 AP300F AP355 AP355F		AP455 AP555 AP500 AP500F	AP1000 AP1000F AP555F AP600 AP600F AP655 AP655F	AP1055 AP1055F
Lee Boy	1000G 5300 7000C	8500D 8510E 8515E 8520B	8530 8616D			
Roadtec			RP-170	RP-170E RP-175 RP-190	RP-175E/EX RP-190E RP-195 RP-250E	RP-195E
Volgele/ Wirtgen	Super 700-i		Super 1300-3i		Super 1700-3i	Super 2000-3i Super 2003-3i Super 2100-3i
Weiler	P65 P195	P265	P385C			

**Asphalt Distributor with Truck (127.02.02.03)**

<b>Tank Volume Litre</b>	<b>7,000</b>	<b>11,000</b>
Bearcat	BC-501/CRC2	BC-501/CRC3
E.D. Etnyre	A/C Dist 2000 Black Topper Centennial Black Topper Centennial Single	A/C Dist 3500 Black Topper Centennial Black Topper Centennial Dual
LeeBoy		Maximizer 3 Maximizer 4B
<b>Note:</b> 1. Equipment available in 7,000+ and 11,000+ tank capacities.		

**Asphalt Pavement Profiler (127.02.02.04)**

Power, kW	32	90	135	340	700
Bomag		BM500/15-2 BM600/15-2	BM1000/35-2 BM1200/35-2 BM1300/35-2		
Caterpillar			PM310 PM312 PM313	PM620 PM622 PM820 PM822 PM825	
Roadtec			RX-405	RX-600E/EX RX-700E RX505 RX-600 RX-700	RX-900
Wirtgen	W35XRI	W50RI W60RI	W100RI W100XFI W120XFI W130XFI W150XFI	W200FI W207FI W210FI W220FI	W250FI

**Asphalt Pavement Repair Equipment (127.02.02.05)**

Equipment Type	4 kW Pavement Line Grinder	8 kW Pavement Line Grinder	15 kW Pavement Line Grinder
Ase		Ferro	
Bartell	BF200N-4A		
BW Manufacturing	SC-9		
Edco		CPU-10FC TLR-7 TRL-7	
Graco	DC87G DC89G HPDC89G Pro DC89G	HPDC1013G HPDC1013G DCS Pro DC1013G Pro DC1013G DCS Pro RC813G Pro RC813G DCS	HPDC1021G HPDC1021G DCS HPDC1520E DCS HPDC1525P DCS HPDC1538G DCS
Infinity	CT-SML-A		

**Asphalt Material Transfer Vehicle (127.02.02.06)**

Equipment Type	No Surge Bin	Surge Bin
Roadtec	MTV-1100E/EX MTV-1100 MTV-1105	SB-1500 SB-1500E/EX SB-2500E/EX SB-3000
Weiler	E1250B E1250C E1650A E2850C	E2850B

**Manually Guided, Vibratory Plate, Reversible Plate (127.02.03.02)**

Minimum Weight, kg	65	160	300	500
Bartell	BR1570	<b>BR3570</b>	<b>BR4600</b> <b>BR5100</b>	
Bobcat	RP22.40	<b>RP30.50</b>		
Bomag	BPR 25/40	BPR 35/60	BPR 45/45 BPR 50/55 BPR 60/65	BPR 70/70
Crown	MVP125			
Husqvarna	LG164	LG204 LG300	LG400	LG504
Multiquip	MVH128GH MVH158GH	MVH208GH	MVH308GH MVH408GH MVH508GH	
Wacker Neuson	BPU2540A WPU1550	BPU3050A BPU3750A	BPU4045A BPU5545A DPU40 DPU45YEH DPU5545HEH DPU6555	

**Hoe Mounted, Vibratory Plate, Hydraulic (127.02.03.03)**

Minimum Weight, kg	100	300	600	900
Allied	400B 700B	1000B 1000C	1600	2300 4000
Blue Diamond	C310	C410		C610
Bobcat	PCF34	PCF64		
Case	SC30T	SC60 SC60T SC80	SC110	SC220
Caterpillar	CVP16	CVP40	CVP75	CVP110
Epiroc	HC150	HC350 HC450	HC850	HC1050
Furikawa Rock Drill	HP35 ME	HP65 II - 18" HP65 II - 24" HP75	HP135 II	HP210 II
Gen-Pac	GE870 GE970 LT	GE970	GE980	
Indeco	IHC50	IHC70 HC75		IHC250
John Deere	PC4 PC7	PC10		
Magnum	RHP15V	RHP20V	RHP30V	RHP40V RHP60V
Spartan	SE250	SE1000 SE2000		

**Manually Guided, Self-Propelled, Vibratory, Tandem Drum (127.02.03.04)**

Minimum Weight, kg	400	1200
Ammann		ARR1575
Bomag	BW65 BW65 H	BMP8500
Dynapac		D.One
Husqvarna	LP6505	LP9505
Multiquip	MRH601DS MRH800GS	RX1575
Sakai	HS67ST	
Wacker	RD7A	RTKX-SC3 RTLX-SC3

**Self-Propelled, Vibratory, Single Pad Foot Drum (127.02.03.05)**

Minimum Weight, kg	1,000	4,000	6,000	9,200	13,000	18,000	24,000
Ammann	ARS30PD	ARS50HXP	ARS70PD		ARS1300HXP D		
Bomag	BW124PDH-5	BW145PDH-5	BW177PDH-5	BW211PD-5 BW211PDH-5	BW213PDH-5 BW216PDH-5	BW219PDH-5	BW226PDH-5
Case			SV207E SV208PD	SV211E SV212PD SV213E	SV215EPD SV216PD SV217EPD		
Caterpillar		CP34	CP7 CP44B	CP11GC CP12GC CP13GC CP54B CP56B	CP14 CP16 CP68B CP74B		
Dynapac		CA1300PD	CA1400PD CA1500PD	CA2500PD CA3500PD	CA4600PD CA5000PD	CA5500PD CA6000PD CA6500PD	
Hamm		H5-IP	H7-IP HC70-IP	H10-IP H12-IP HC120-IP	H13-ICP H14-IP H16-IP	H18-IP H20-ICP H20-IP	H25-ICP
Hyundai			HR70CPD		HR110CPD HR120CPD HR140CPD		
Sakai		SV204T	SV414T	SV544T			
Volvo		SD45B	SD75B	SD115B SD125B			
XCMG	CV83PDU						

**Self-Propelled, Vibratory, Single Smooth Drum (127.02.03.06)**

<b>Minimum Weight, kg</b>	<b>1,000</b>	<b>4,000</b>	<b>6,000</b>	<b>9,200</b>	<b>13,000</b>	<b>18,000</b>	<b>24,000</b>
Ammann	ARS30	ARS50	ARS70	ARS110			
Bomag	BW124	BW145	BW177	BW211 BW213	BW216	BW219	BW226
Case			SV207E SV208D	SV211E SV212D SV213E	SV216 SV216D SV215E SV217E		
Caterpillar		CS34 CS35 CS5	CS44B CS7	CS10GC CS11GC CS12GC CS13GC CS54B CS56B CS64B	CS14 CS16 CS68B CS74B	CS19 CS78B	
Dynapac		CA1300D	CA1400D CA1500D	CA2500D CA3500D	CA4600D CA5000D	CA5500D CA6000D CA6500D	
Hamm		H5i	H7i	H10i H12i H13i HC100i HC120i	H13iC H14i H16i	H18i H20i H20iC	H25i
Hyundai			HR70C	HR110C HR120C	HR140C		
Sakai		SV204D	SV414D	SV544D			
Volvo		SD45B	SD75B	SD115B SD125B			
Wacker Neuson		RC50	RC70	RC110			
XCMG				CV123U	XS165		

**Self-Propelled, Tandem Drum (127.02.03.07)**

Minimum Weight, kg	1,000	3,000	6,000	8,000	10,000	12,000
Ammann	ARX10.1 ARX16-2 ARX20-2 ARX26.1-2 ARX26-2	ARX36-2 ARX45-2				ARX140
Bomag	BW90 BW100 BW120 BW900-50	BW138AD-5 BW135AD-5	BW141AD-5 BW151AD-5 BW154AP-4V BW154APO-4V	BW154AD-5 BW174AP-4F BW154AD-5 BW161ADO-5 BW174AP-4	BW161AD-5 BW161ADO-5 BW190ADO-5	BW190AD-5 BW191AD-5 BW191ADO-5 BW206AD-5 BW206ADO-5
Case	DV23CE DV23D DV23E DV26 DV26CE DV26E	DV36D DV36E DV45 DV45E	DV207	DV209CD DV209D	DV210D	DV213
Caterpillar	BW100ADM-5 CB1.7 CB1.8 CB2.5 CB2.5GC CB2.7 CB2.7GC CB2.9 CB22B CB24B CB32B CB34B	CB24XT CB24BXT CB32 CB34 CB34B CB36B CB4.0 CB4.4	CB7 CB8	CB10 CB44B-16 CB54B CB7 CB8 CD10	CB54	CB13 CB15 CB16
Dynapac	CC1000 Plus CC1100VI CC1200VI CC800 Plus CC900 Plus CC900G Plus CC950	CC1300VI CC1400VI	CC2200	CC2300 CC3200 CC4200VI CC3300	CC5200VI	CC6200VI
Hamm	HD10VV HD10CVV HD12VV HD12IVV HD8VV	HD13IVV HD14IVV	DV+70IVV-S HD+70IVV HD+70IVV-HF HD+80IVV HD+80IVV-HF	DV+90IVV-S HD+80IVV-S HD+90IVV HD+90IVV-HF	HD+110IVV HD+110IVV-HF HD+90IVV-S	HD+120IVV HD+120IVV-HF HD+140IVV HD+140IVV-HF
Hyundai	HR25T-9 HR26T-9	HR30T-9				
JCB	CT260-120					
Multiquip	AR14H					
Sakai	CR271 SW354	SW504 SW504W	SW654 SW654ND		SW774 SW774ND	SW884 SW884ND SW994 SW994ND
Volvo	DD15 DD15B DD25B	DD30B DD35B			DD105 DD110C	DD120C DD128C DD140C
Wacker	RD12 RD18	RD40-130 RD45-140				
Weiler	C303					

**Self-Propelled, Static, Pneumatic Tires (127.02.03.08)**

Maximum Ballasted Weight, kg	8,000	18,000
Ammann		ART240
Bomag	BW11 RH-5	BW28 RH
Case		PT240D
Caterpillar	CW14 CW16	CW34
Dynapac	CP1200 CP1200W	CP2700
Hamm		HP280I HP180I GRW 180I-10 GRW 180I-15 GRW 180I-20
Sakai	GW754	
Volvo	PT125C	ABG PTR240

**127.03.04 CONCRETE EQUIPMENT**

**Slip Form Paver (127.02.04.03)**

Power, kW	10	30	115	200
CMI			SF2204	SF6004
Curb Fox	CF2000M CF2000A CF3000 CF5000 CF5000-T			
Gomaco Corporation	Curb Cadet	Commander II GT3200 GT3200 SW GT6000 4400 GT3400 GT3600 GT6300	Commander III Commander III S/B 16 GP2400	GHP2800 GP2600 GP4000
Power Curbers	150 Extruder	5700C-2016	SF1700-2016 SP2700-2016	
Wirtgen		SP15I	SP25I	

**Concrete Placing Equipment (127.02.04.06)**

Equipment Type	Concrete Deck Finisher	Concrete Placer Spreader
CMI		
Gomaco Corporation	C450 C750	PS2600 PS4000
Power Curbers		PS2700 PS3000
Terex Bidwell	2450 3600 4800	

**127.03.05 CRUSHING EQUIPMENT - NOT USED**

**127.03.06 EARTH MOVING, GRADING EQUIPMENT**

**Scraper, Single Engine, Two-Wheel Drive (127.02.06.01)**

Minimum Struck Capacity, m <sup>3</sup>	10	16
Caterpillar	621H 621K	631G 631K

**Scraper, Twin Engine, Four-Wheel Drive (127.02.06.02)**

Minimum Struck Capacity, m <sup>3</sup>	10	16	22
Caterpillar	627H 627K	637G 637K	657K 657G

**Scraper, Single Engine, Self-Loading (127.02.06.03)**

Minimum Struck Capacity, m <sup>3</sup>	11
Caterpillar	623K

**Scraper, Pull Type (127.02.06.04)**

Minimum Struck Capacity, m <sup>3</sup>	6	9	11	14
Ashland Industries	140TS2 140TS2-LGP	155TS2 155XL2 175XL2	215TS2 220TS4	
John Deere	1510D	1612D 1812D 1814D 2010D (2 or 4-Tire) 2112D	1510D 1612E 1810C 2010E 2014D 2014E 2112D 2412D (4-tire)	1812D 1814D 2112D 2412D (2-tire) 2412E
K-Tec Earthmovers				1228 1228ADT 1233 1236 1237ADT 1243ADT 1263ADT
Landoll	Icon 414	Icon 17C	Icon 19C Icon 418 Icon 819	Icon 8221
Reynolds	12C10 14E10.5 15CFB14	16CS10 17C12 17C12-LGP 17CS12 17E10.5 18CMX12.5 18CS14 20E12.5		

**Tractor Bulldozer, Crawler Type (127.02.06.05)**

Minimum Net Flywheel Power, kW	50	60	80	120	160	210	280
Case	650L-LT 650M-LGP 650M-LT 650M-WT	750M-LGP 750M-LT 750M-WT 750M-WT/LGP	1150M: -LGP -PAT LT -PAT WT/LGP -WT -XLT 1650L 1650M-XLT 750M-LT 850M-LGP 850M-LT 850M-WT 850M-WT/LGP	1650M: -LGP -PAT WT/LGP -PAT XLT -Semi U XLT -WT -XLT 1850-K	2050M: -LT -PAT WT/LGP -PAT XLT -Semi U XLT -STR PT WT/LGP -WT -XLT		
Caterpillar	D1 D3K2 D3K2-XL	D2 D3 D4K2-XL D5K2-XL	D4 D6K D6K2-XL D6N-XL (2018)	D5 D6N-XL D6T-XL-SU	D6 D6T-XL-SU D7 D7E-STD-SU	D8T D8T D8	D10T2 D9 D9T D10
John Deere	450-K	450-K 450P 550-K 550P 550-K (2018) 650-K 650P 650-K-XLT	700-K-XLT 700-L 700-L-XLT 750-J 750-K-XLT	750-L 750-L-XLT 850-K	750-L 850-L 950-K 950-P	950-K 1050-K 1050-P	
Komatsu		D37 D37-EX D37-PX D39 D39-EX D39-PX	D51 D51-EX D51-PX D51-EX-22 D51-PXi	D61 D61-EX D61-PX D61-EX-15EO D61-PX-15EO D61-PXi D65 D65EX-17 D65PX-17	D155AX-7 D65-EX D65-PX D65-WX D71 PX D71 PXi D85 D85-EX D85-PX D85-EX-15EO D85-PX-15EO	D155AX-8	D375A-8
Liebherr			Litronic: -PR716 -PR716-G8 -PR736-G8 -PR746-G8	Litronic: -PR726 -PR726-G8 -PR736	Litronic: -PR746 G8 -PR736 G8	Litronic: -PR756-G8 -PR756 -PR766 G8	

**Note:**

1. The power rating should be obtained from equipment in use, as the models in the table above may span a number of years and categories/ratings.

**Tractor Bulldozer Ripper Attachment, Hydraulic, Rear Mounted (127.02.06.06)**

<b>Power, kW</b>	<b>50</b>	<b>120</b>	<b>160</b>	<b>210</b>	<b>280</b>
Case	1150M Series Ripper 1150M XLT Ripper 650L LT Ripper 750M Series Ripper 750M WT Ripper 850 Series Ripper 850M LT Ripper	1650M Series Ripper 1650M XLT Ripper	2050M Series Ripper 2050M XLT Ripper		
Caterpillar	D1 Ripper D2 Ripper D3 Ripper D3K2 Ripper D3K2 XL Ripper D4 Ripper D4K2 XL Ripper D5K2 XL Ripper D6K2 XL Ripper D6N XL Ripper	D5 Ripper D6N XL Ripper D6T XL SU Ripper	D6 Ripper D6T XL SU Ripper D7 Ripper D7E STD SU Ripper	D8T Ripper	D9 Ripper D9T Ripper D10T2 Ripper
John Deere	450 K Ripper 550 K Ripper 650 K XLT Ripper 700 K XLT Ripper 700 I XLT Ripper 750 K XLT Ripper	750 I XLT Ripper 850 K Ripper	850 I Ripper 950 K Ripper	1050 K Ripper	
Komatsu	D51-Multi Shank	D61-Multi Shank D65-Multi Shank	D85-Multi Shank		
Liebherr	PR716 G8 Ripper PR716 Litronic Ripper	PR726 G8 Ripper PR726 Litronic Ripper PR736 Litronic Ripper	PR736 G8 Ripper PR746 Litronic Ripper	PR746 G8 Ripper PR756 G8 Ripper PR756 Litronic Ripper	PR766 G8 Ripper

**Wheeled Tractor, Farm, Industrial, Two or Four-Wheel Drive (127.02.06.07)**

Power, kW	25	40	50	70	90
Case				Vestrum 100 Vestrum 110	Vestrum 120 Vestrum 130 Maxxum 115
John Deere	2038R 3038E 3039R 3046R 4044M 4044R 5045E	4052M 4052R 4066M 4066R 5055E	5065E 5075E 5085E 5090E 5090R	5090EL 5100E 5100M 5100ML 5100R 5105E 5105M 5115M 5115ML 5115R 5120M 6105E 6110M 6110R 6120M 6120R 6M 95 6M 105	5125M 5125R 5130M 6120E 6130M 6130R 6135E 6M 125 6R 110 6R 130
Massey Ferguson	1540 2605 2615 2850E	2604H 2750E 2860E	4608 4609 4707 4708 4709 W2630 3GE.75	4710 5610 5611 5612 5710 5711 5711S 6712 3GE.95 3GE.105 5S.115	4610 5609 5613 5712S 5713S 6713 6714S 6715S 7715S MF6614 5S.135 5S.145 6S.145
New Holland	Boomer 35 Boomer 40 Boomer 45 Boomer 45D Boomer 46D Boomer 50 Boomer 50D Boomer 50 T4B Workmaster 35 Workmaster 40 Workmaster 50 Workmaster 55 Workmaster 65	Boomer 54D Boomer 55 Boomer 55 T4B Powerstar 60 T3.60F T3.70F Workmaster 55 Workmaster 60 Workmaster 65	Powerstar 75 Powerstar 90 T3.80F T4.80V T4A T4.90V T4A T5.90 DC Workmaster 70 Workmaster 75	Powerstar 100 Powerstar 100 MS Powerstar 110 Powerstar 110 MS Powerstar 120 Powerstar 120MS T4 110V T4A T4.100V T4A T5.100 DC T5.105 Electro Comm T5.110 Electro Comm T5.115 Electro Comm T5.120 DC T5.120 T4B T5.90 DC T5.100 DC T5.110 DC T6.145 EC TS6.110 TS6.120 Workmaster 95 Workmaster 105 Workmaster 120	T6.155 EC T6.160 EC T6.175 EC T6.180 EC T7.175 TS6.125 TS6.140

**Motor Grader, Articulated Frame (127.02.06.09)**

Minimum Operating Weight, kg	14,000	20,000	30,000
Case	845 B 856 C 4WD 856 C AWD 865 B 865 B AWD 885 B 885 B AWD		
Caterpillar	12 M3 120 140 140 M3 150 160	12 M3 AWD 14 14 M3 140 M3 AWD 160 M3 160 M3 AWD	16 16 M3 18 18 M3
John Deere	620 G/GP 622 G/GP 670 G/GP 672 G 770 G/GP 772 G 870 G 872 G	672 G 772 G 772 G/GP 870 G 870 G/GP 872 G 872 G/GP	
Sany		SMG200 AWD SMG200 C-8	
Komatsu	GD655-6		
Lee Boy		685 D	
Volvo	G930 B G940 B G946 B G960 B G970 G976	G990	

**Shoulder Spreader/Road Widener (127.02.06.13)**

Spreader Width, m	2	3
Lee Boy	4130	RW-100B RW-195E
Midland	SPD-8 SPF-8	SPD-10 SPD-12
Weiler	W430A	W530A W530B W730A W730B

**Reclaimer/Stabilizer (127.02.06.14)**

Equipment Power, kW	250	325	440
Bomag	RS360	RS460 RS500	RS600 RS650
Caterpillar	RM300 RM400	RM500B	RM600 RM800
Roadtec	SX-2E	SX-4E SX-5E	SX-6E SX-8E
Weiler	S200		
Wirtgen	WR 200 XLI		W240 CRI W380 CRI WR240I WR250I

**Grade Trimmer (127.02.06.15)**

<b>Minimum Width, m</b>	<b>3</b>
CMI	Autograder TR-4
Gomaco Corporation	9000 9500

**127.03.07 EXCAVATION EQUIPMENT**

**Hydraulic Excavator, Crawler Mounted (127.02.07.02) - For 1,000 kg to 23,000 kg**

<b>Minimum Operating Weight, kg</b>	<b>1,000</b>	<b>4,000</b>	<b>6,000</b>	<b>12,000</b>	<b>19,500</b>	<b>23,000</b>
<b>Nominal Bucket Size, m<sup>3</sup></b>				<b>0.3</b>	<b>0.7</b>	<b>1.0</b>
Bobcat Equipment	E10 E20 E26 E32 E35 E38	E42 E45 E48 E50 E55 E60	E85 E88	E145 E165		
Case	CX17C CX26C CX30C CX33C CX37C	CX42D CX50D CX57C CX60C	CX75C CX80C	CX130D CX140E CX145D CX145D SR CX160D CX170E CX190E	CX210D CX220E	CX245D CX245D SR CX250D CX260E
Caterpillar	301.5 301.7 301.8 302 CR 302.7 CR 302.7D CR 303 CR 303.5 CR 303E CR 304	304E2 CR 304.5E2 30450 304E2 CR 305E2 CR 305.5E2 CR 305.5E2 305E2	306 306CR 307.5 307E2 308 308E2 309 310	311FL RR 313 313F 315 315F 316F 317 318F	320 320F 325 325F CR	323 326
Develon (formerly Doosan)	DX35-5	DX42-5 DX50-5	DX62R-3 DX63-3 DX85R-3	DX140LC-5 DX170LC-5	DX180LC-5	DX225LC-5 DX235LCR-5 DX255LC-5
Hitachi			ZX60USB-5N	ZX135-6		ZX250LC-6
Hyundai	R17Z-9A R25Z-9AK R30Z-9AK R35Z-9A R930Z-9AK	HX35AZ HX40A HX48AX HX48AZ R55-9A	HX60AN HX85A R60CR-9A R80CR-9A	HX130LCR HX140L HX145LCR HX160L HX180L	HX210AL HX220AL	HX220L HX235LCR
JCB	18Z-1 19C-1 35Z-1	50Z-1 55Z-1	100C-2 85Z-2 86C-2 90Z-2	131X 150X JS160LC JZ141D		220X
John Deere	17G 17P 26G 26P 30G 30P35G 35P	50G 50P	60G 60P 75G 75P 85G 85P	130G 130P 135G 135P 160G 160P	180G 200G 210G	245G LC 250G LC

Minimum Operating Weight, kg	1,000	4,000	6,000	12,000	19,500	23,000
Nominal Bucket Size, m <sup>3</sup>				0.3	0.7	1.0
Kobelco	SK17SR-5E SK25SR-6E SK30SR-6E SK35R-6E	SK455SRX-7 SK55SRX-6E SK55SRX-7	SK75SR-7 SK85CS-7	ED160-7 ED160BR-5 SK130LC-11 SK140SRLC-5 SK140SRLC-7 SK170LC-10 SK170LC-11	SK210LC-10 SK210LC-11	SK230SRLC-7 SK260SRLC SK230SRLC-5 SK260LC-10

**Hydraulic Excavator, Crawler Mounted (127.02.07.02) - For 1,000 kg to 23,000 kg - CONTINUED**

Minimum Operating Weight, kg	1,000	4,000	6,000	12,000	19,500	23,000
Nominal Bucket Size, m <sup>3</sup>				0.3	0.7	1.0
Kubota	KX008-5 KX018-4 KX030-4 KX033-4 KX71-3S4 U10-5 U17-5 U17VR1 U25R1T4 U27-4 U35-4	KX040-4 KX040-5 KX057-4 KX057-5 U48-5 U55-4 U55-5	KX080-5 KX080-4S2			
Liebherr				R914 R920	R918 R922	R926
Link Belt			75X3 Spin Ace 80X3 Spin Ace	130X4 145X4 160X4	210X4 210X4	245X4 250X4
New Holland	E17C E26C E30C E37C	E57C E60C				
Takeuchi	TB210R TB216 TB216H Hybrid TB225 TB230 TB235-2 TB240 TB335R	TB250-2 TB257FR TB260 TB350R	TB280FR TB290 TB370	TB2150		
Volvo	EC20C/D/E EC27D EC35D EC37F ECR25 D ECR18E ECR40D/F	EC60E ECR58 D ECR50F ECR58F	ECR88 D	EC140E EC160E ECR145E ECR145EL ECR145FL5	EC200E EC210FL5 EC220E EC230FL5	EC250E ECR235 E
Wacker Neuson	ET20 EZ17 EZ26 EZ36	ET42 ET58 EZ50	ET65 ET90	ET145		

**Hydraulic Excavator, Crawler Mounted (127.02.07.02) - For 26,500 kg to 100,000 kg**

Minimum Operating Weight, kg	26,500	32,000	44,000	63,500	80,000	100,000
Nominal Bucket Size, m <sup>3</sup>	1.2	1.5	1.7		2.0	5.0
Case	CS300E CX250D CX300D CX300E	CX350D CX365E	CX490D CX500D CX500D ME	CX750D		
Caterpillar	326F 330 330F	335 335F 336 336F 336FXE 340	349 349F 349F XE 350 352 352F	374 374F	390F 395	
Develon (formerly Doosan)	DX255LC-7 DX300LC-5	DC350LC-7	DX420LC-7 DX490LC-5 DX530LC-5		DX800LC-7	
Hitachi		ZX345LC-6 ZX380LC-6	ZX490LC-6			
Hyundai	HX260L HX300L	HX300AL HX330L HX350AL HX380AL HX380L	HX480AL HX480L HX510L HX520AL HX520L		HX900L	
JCB	245XR	370X				
John Deere	250P 300G LC 300P	345G LC 345P 350G LC 350P 380G LC 380P	470G LC 470P	670G LC 670P	870G LC 870P	
Kobelco	SK260LC-11 SK270SRLC-5 SK270SRLC-7 SK300LC-10 SK300LC-11	SK350LC-10 SK350LC-11	SK500LC-10		SK850LC-9	
Komatsu				PC650LC-11	PC800LC-8	PC1250-8 PC1250LC-8
Liebherr	R930	R934 R936 R938 R945	R956 R960	R966	R976	R980SME
Link Belt	300X4	350X4	490X4	750X4	750X4	
Volvo	EC260 EC300E EC300F	EC350E EC350EL EC370FL5 EC380E EC380EL EC400FL5 ECR355E ECR355EL	EC480E EC500FL5 EC530E EC530EL EC550E EC550EL	EC750E EC750EL	EC950F	

**Hydraulic Excavator, Rubber Tired (127.02.07.03)**

Minimum Operating Weight, kg	11,000	18,000	21,000
Case	WX140E	WX155E SR WX160E WX175E SR	WX210E
Caterpillar	M314 M314F M315 M315F M316 M316F M317F M318 M318F	M319 M320 M320F M322	M322F
Develon (formerly Doosan)	DX140W-5	DX190W-5	DX210W-5
Gradall	XL3300 V	XL4300 V	XL5300 V
Hitachi		ZX190W-5	
Hydrema	MX16G	MX17G	
Hyundai	HW140 HW140A HW160A HW180	HW170ACR	HW210 HW210A
John Deere		190G W	
Liebherr	A910 COMPACT LITRONIC A914 COMPACT LITRONIC	A918 COMPACT LITRONIC	A920 LITRONIC
Volvo	EW160E EWR130E EWR150E EWR160E EWR170E	EW180E	EW220E
Wacker Neuson	EW100		

**Telescopic Boom, Carrier Mounted Excavator (127.02.07.05)**

Weight, kg	15,000	22,000
Badger Equipment Ltd.	470TM 4x2 470TM 4x4	
Gradall	D154 4x4 D174 4x4 D254 4x4 XL 3100 V XL 3100 V 4x2 XL 3100 V 4x4 XL 3100 V 4x2 XL 3100 V 4x4	XL 4100 V 6x4 XL 4100 V 6x6 XL 5100 V 6x4 XL 5100 V 6x6 XL 4100 V 6x4 XL 4100 V 6x6 XL 5100 V 6x4 XL 5100 V 6x6

**Telescopic Boom, Crawler Mounted Excavator (127.02.07.06)**

Weight, kg	15,000	20,000	23,000
Gradall	XL 3200 V	XL 4200 V	XL 5200 V

**Tractor with Loader/Backhoe Combination (127.02.07.07)**

Minimum Power, kW	30	45	65	80	94
Nominal Bucket Size, m <sup>3</sup>	0.5	0.7	1.3	1.3	1.3
Case		575N EP 580N EP	580 SUPER N 580N 580SV	580 SUPER N WT 590 SUPER N 695SV	
Caterpillar		415 416 416F2	420 420F2 420XE 430 440	430F2	450
JCB		3CX		3CX-14 3CX-15 4CX-14 4CX-15	
John Deere		310G 310L EP	310L 310P 310SL 315SL	310SL HL 320P 410L 410P	710L 710P
Kubota	L47	M62			
New Holland		B75D	B95C B95D	B110C D110D	

**Front End Loader, Crawler Mounted (127.02.07.09)**

Power, kW	100	150
Caterpillar	655K 953 953K 963K	963 973D 973K 975
John Deere	655K 755K	
Liebherr	LR626 LR636	

**Front End Loader, Rubber Tire (127.02.07.10)**

Power, kW	40	70	100	125	140	175	200	225	250	300	370
Bobcat Equipment	L65 L85 L95										
Case	21F 121F 221F 321F	121F 521F 521G	621F 621G	651G 721F 721G	821F 821G 921F	921G	1121F	1021F 1021G 1121G			
Caterpillar	906M 907M 908 908M	910 910M 914 914M 918M 920	926M 930M	926 930	938 938M 950GC	950 950M 962M	962 966M 966MXE 972M	966 972MXE	972 980 980M 982M 986K	982 986	988K 990K
Develon (formerly Doosan)			DL200-5 DL200-7 DL200TC-5 DL220-5 DL220-7	DL250-5 DL250-7 DL250TC-5 DL280-5	DL280-7		DL300-5 DL320-7 DL350-5 DL350-7 DL380-7		DL420-5 DL420-7 DL450-5 DL480-7 DL550-5 DL580-7		
Hyundai		HL930A	HL940 HL940A		HL955 HL955A HL960 HL960A		HL965	HL970 HL970A HL975	HL980 HL980A	HL985	
JCB	407 409	411HT 417HT		427HT / ZX 437HT / ZX		457HT	457HT 457ZX				
John Deere	204G 204L 244II 244L 244P 304G 304K 304L 324L 324P	344K 344L 344P 444G 444K 444L 444P 524K-II	524L 524P 544L 544P	544G 624K-II	624L 624P 644G 644K 644X	324K 644L 644P 724K 724P	724L	744K-II 744L 744P 744X 824K-II	824L 824P 824X 844K-II 844K-III	844L 844P 904P	944K 944X
Kubota	R630 R640										
Liebherr			L526 L538	L546	L538 L550	L556	L566 L576	L580	L586		
Liogong			835HV 838HV	848HV	856HV			877H	890H 890HV		
New Holland	W50C W60C W70C W80C										
SDLG	L918F			L938F L948F		L959F					
Takeuchi	TW60-2 TW80-3	TW95									
Volvo	L30G L35G L40B L20HS L25HS L30GS L35GS	L45G L45H L50G L50H L50HS	L60G L60H	L70G L70H L90G L90H		L110G L110H	L120G L120H L150H	L180H	L220H	L260H	L350F L350H
Wacker Neuson	WL38 WL52	WL60	WL95								

**Skid Steer Loader, Rubber Tire (127.02.07.11)**

Rated Operating Capacity (Note 1), kg	300	700	850	1,000	1,200	1,500
Bobcat Equipment	S450 S70	S510	S590 S62	S64 S66	S650 S740 S76	S770 S850 S86
Case		SR160B SR175B SV185B	SR210B	SR240B	SR270B SV280B	SV340B
Caterpillar		226D 226D3 232D 236D3	232D3 246D	242D3 246D3	250 262D3	260 270 270XE 272D3 272D3XE
Hyundai					HS120V	
JCB			215		270 300 Teleskid 3TS-8W	
John Deere		312GR 314G 316GR	318G 320G		324G 330G 330P	332G 334P
Kubota			SSV65		SSV75	
New Holland		L316 L318	L320 L321		L328	L334
Wacker Neuson		SW16	SW20 SW21	SW24	SW28 SW32	

Note:

1. SAE - Rated Operating Capacity @ 50% Tipping Load

**Skid Steer Loader, Tracked (127.02.07.12)**

Rated Operating Capacity (Note 1), kg	300	900	1,100	1,300	1,600	1,800
Bobcat Equipment	T450	T550 T595 T62 T64	T650 T66	T740 T76 T770	T86 T870	
Case	TR270B	TR310B TR340B	TV370B	TV450B		TV620B
Caterpillar	239D3 249D3	259D3 279D3	255 265	289D3 299D3	299D3XE	
Hyundai		HT100V				
JCB		215T Teleskid 2TS-7T	270T	300T 325T	Teleskid 3TS-8T	
John Deere		317G	325G	331G 331P	333G 333P	335P
Kubota	SVL50X	SVL65-2	SVL75-3	SVL97-3		
New Holland	C327	C332 C334	C337	C345		C362
Takeuchi	TL69	TL8R2	TL10V2	TL12R2		TL12V2
Wacker Neuson	ST27	ST31		ST45 ST50		

Note:

1. SAE - Rated Operating Capacity @ 35% Tipping Load

**Chain Type Trenching Equipment (127.02.07.14)**

Power, Kw	13	20	35	50
Barreto	2024RTK 2324RTK			
Ditch Witch	C24X	C30X RT45		RT100 RT120 RT125 RT70 RT80
Toro	TRX-20 TRX-250 TRX26 TRX-300			RT1200
Vermeer		PTX40 PTX42 PTX44	RTX450 RTX550	RTX1250 RTX750

**127.03.08 HAULAGE EQUIPMENT**

**Dump Trucks, Off Highway, Rigid Frame (127.02.08.13)**

Payload, kg	35,000	38,000	50,000	75,000
Caterpillar	770 770G	770G 772 772G	773 773G 775 775G	777G
Hitachi			EH1100-3	EH1700-3
Komatsu	HD325-7	HD325-7 HD405-7 HD405-8	HD465-7 HD465-8 HD605-7 HD605-8	
Terex		TR45	TR60 TR70	TR100
Volvo				R100

**Dump Trucks, Off Highway, Articulated Frame (127.02.08.14)**

Payload, kg	20,000	26,000	30,000	35,000	40,000
Bell	B25E	B30E	B35D	B40D B40E	B45D B45E B50D B50E
Caterpillar	725 725C 725C2	730 730C 730C2 730C2EJ 730EJ	735 735B 735C	740 740B 740B Ejector 740CEJ 740EJ 740GC	745 745C
John Deere	250D 260E ADT 260P	300D 310E ADT 310P	370E	410E 410E-II ADT 410P	460E 460E-II ADT
Komatsu		HM300-2 HM300-5		HM400-2	HM400-5
Terex		TA300		TA400	
Volvo	A25G A325F	A30F A30G	A35F A35FFS A35G A35GFS	A40F A40FFS A40G A40GFS	A45G A45GFS A60H

## Boom Truck (127.02.09.01)

Lift Capacity, kg	7,000	11,000	19,000	25,000	40,000
Altec		AC18-70B HL	AC23-95B AC26-103B	AC28-130B AC30-101B AC30-103S AC30-53T AC38-103S AC38-127S AC40-152S	AC45-127S
Elliot Equipment				40142R	40142
Load King	Stinger 10-47 Stinger MU16	Stinger 19-51TM Stinger 19-70	Stinger 25-92	Stinger 28-106 Stinger 35-100 Stinger 35-127 Stinger 40-127	Stinger 80-126 Stinger 80-160
Manitex		1770C 1970C 2085T	22101S 26101C 2892C	35124 2892C 30100C 30102C 35124C 40124 40124SHL	50128SHL 50155SHL TC65131 TC700
National Crane	300C 400B	500E2 600E2	800D 800H 900A	1400A 1400H (NC1427H) NBT30H-2 NBT40-127 NBT40-142 NBT40-2	NBT45-127 NBT55-128 NBT60L-151
Terex			BT4792		Crossover 8000

## Hydraulic Crane, Rough Terrain (127.02.09.02)

Lift Capacity, kg	13,000	20,000	40,000	65,000	100,000
Broderson Manufacturing	RT-300-2G RT-400				
Grove		RT530E2 RT540E	GRT655 RT600E RT700E RT753-E2 RT765E-2	GRT8090 GRT880 RT770E RT770E RT880E	GRT8100 GRT8120 GRT9165 RT9130E RT9130E-2 RT9150E
Liebherr				LRT1090-2.1	LRT1100-2.1
Link Belt		RTC-8030 SII	RTC-8050 SII RTC-8065 SII	100RT 75RT RTC-8090 SII RTC-8080 SII RTC-80110 SII RTC-8065 SII	100RT 120RT RTC-80150 SII RTC-80110 SII RTC-80130 SII RTC-80160 SII
Manitex	M150				
Tadano		GR-350XL-2	GR-550XL-2	GR-1000-XL GR-750XL-2 GR-800-XL	GR-1600-XL
Terex		RT230 T340-1	RT555-1 RT670-1 T560-1	RT780-1	Quadstar 1100 RT130
XCMG			XCR60U	XCR100U	
Zoomlion			RT-55 RT-55-XL	RT-75	RT-100

**Hydraulic Crane, Carrier Mounted (127.02.09.03)**

Lift Capacity, kg	25,000	45,000	60,000	90,000	135,000	200,000	300,000
Demag		AC45 AC55-3			AC160-5	AC220-5	AC300-6
Grove	TMS500-2 (95FT)	GMK3050-1 GMK3050-2 GMK3050-3 TMS700E TMS750E TMD760E	GMK3060 GMK3060-1 GMK4080-3 GMK4100B TMS800E TMS875-2	GMK4090 GMK4100L-1 GMK5165-2 TMS9000E TMS9000-2	GMK5150 GMK5150-1 GMK5180-1	GMK5200-1 GMK5250-1	GMK6300L GMK6300L-1 GMK7550
Liebherr	LTM1030-2.1	LTM1050-3.1 LTM1055-3.2	LTM1070-4.1 LTM1070-4.2	LTM1090-4.1 LTM1095-5.1 LTM1100-4.2 LTM1100-5.2 LTM1130-5.1	LTM1160-5.2	LTM1200-5.1 LTM1250-5.1	LTM1300-6.2
Link Belt	HTC8640SL	HTC8660 SII	HTC8675 SII HTC-8690	HTC3140LB HTC-86100 HTC-86110			HTC86100 HTC8640 SL HTC8660 SII
Tadano		AC-3.060-1	ATF70G-4	ATF100G-4 ATF100G-6	ATF-130G-5 AC5.160-1	AC5.220-1	AC-6.300-1 ATF130G-5 ATF70G-4

**Lattice Boom Crane, Crawler Mounted (127.02.09.04)**

Lift Capacity, kg	70,000	90,000	130,000	200,000	250,000
Kobelco	CK800G CK850G CK850G-2	CK1100G-2 CK1200G-2	CK1600G CK1600G2	CK2750G CK2750G-2	CK3300G-2
Liebherr	HS8070 HD	HS8100HD HS8100HD Litronic HS855HD Litronic HS885HD Litronic LR-1100	HS8130HD LR-1130 LR-1160	HS895HD HS895HD Litronic LR-1200	HS8300HD LR-1250 LR-1200SX LR-1280 LR-1300 LR-1300SX
Link Belt	138HSL 138HYLAB 5	218HSL 228HSL	238HSL 248HSL	248HSL 298HSL 298 Series II	298HSL 348HYLAB 5 348 Series II 548
Manitowoc Cranes Inc.	8000-1 8500-01 8500-1 MLC80A-1 MLC90A-1	10000A-1 10000B-1 11000-01 12000-01 MLC100-1	777 MLC150-1 MLC165 MLC165-1	14000 777 MLC230	999 MLC300 Fixed CTR
Sany		SCA1000A	SCA1350A		SCA2600A
Terex	HC80	HC110 HC110-1	HC165	HC230	HC275

**Aerial Bucket Lift, Truck Mounted, Including Truck (127.02.09.05)**

Platform Height, m	7	10	15	20
Altec	AT200A AT200A VAN AT30G	AN46E-OC AT235 AT237 AT248F AT35G AT37G AT40G AT41M AT41P AT48M AT48P AT48S TA45M	AA50 AA55 AA55E AA60 AM50 AM55 AM55E AM60 AN50E-OC AN55E-OC LR7-56 LR7-57 LR7-58	LR7-60 LR7-60RM LR852-E62RM LR856 LR858 LR860 LS60 LS63 TA50 TA50S TA55 TA60
Dur-A-Lift	DTS29 DVS29 DVT29	DPM2-47 DTAX39 DTAX-45	DPM3D-56AW DPM3S-56AW	
Elliot Equipment		M43R	L60R L65R	E190
Manitex			A62	
Palfinger	ETT29SNV			
Terex		LT40 LTM40	LT40 TC55 XT PRO 56 XT PRO 60	TL100 TL80/112 XT PRO 60/70
Versalift	TEL-29-N VANTEL-29-NE	SST4-EIH SST36-NE SST37-EIH SST40-EIH VST36-I VST40-I VST40-MHI VST40-SI VST43-TN VST47-I VST47-MHI VST240-I	SST40-EIH VN55-MHI VN555-MHI VO255 VO255-I VO260-I VO260-REV VO355X-MHI VST50-TN VST52-I VST52-MHI VST55-TN VST5000-I VST5500-I VST6000-I VST6000-MHI VST6300-I VST6600-I	VO270-E VO270-I VO270-REV VST6600-I VST7100-MHI VST7500-IE108

**Aerial Bucket Lift, Self-Propelled, Telescopic/Articulating (127.02.09.06)**

<b>Platform Height, m</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>22</b>	<b>30</b>	<b>41</b>
Genie Industries	Z30/20N Z30/20NRJ Z34/22DC Z34/22IC Z34/22IC 2WD Z34/22IC 4WD Z34/22N	S40XC S45XC Z40/23N Z40/23NRJ Z45XC Z45/23XC Z45/25JDC	S60XC S65XC Z60/37DC	S80XC S85XC Z80/60	SX105XC SX125XC Z-60/37FE	ZX135/70
Haulotte	HA32CJ HA32CJ+	45XA 55XA SIGMA46 SIGMA46 Pro				
JCB		AJ48D				
JLG	340AJ E300AJ H340AJ	400S 450A 450AJ 460SJ E400A Narrow E400AJP E400AN E450AJ X430AJ X500AJ	600AJ 600S 600SC 660SJ 660SJC 670SJ EC600SJ EC600SJP H600SJ H600SJP X600AJ X660AJ Crawler	800AJ 800S 860SJ H800AJ SJ85AJ X770AJ	1200SJP 1250AJP X1000AJ	1350SJP 1500AJP 1500SJ 1500SJP 1850SJ
Manitou			TJ65	TH80+		
Skyjack	SJ30AJE SJ30ARJE	SJ40T+ SJ45AJ+ SJ45T+ SJ46AJ+	SJ45AJ+ SJ60AJ+ SJ61T+ SJ63AJ+ SJ66T+	SJ82T SJ85 SJ85AJ SJ86T		

**Scissor Lift, Self-Propelled (127.02.09.07)**

Platform Height, m	4	7	9		
Genie Industries	GS1530 GS1930 GS1932 GS1932M GS2032 GS2046	GS2632 GS2646 GS2669DC GS2669RT	GS3246 GS3232 GS3246 GS3369DC GS3369RT	GS3384RT GS3385RT GS3390RT GS4046 GS4047	GS4069DC GS4069RT GS4390RT GS4655 GS-5390RT
Haulotte	1931AC	2632E 2747E	3347E 3947E		
JCB	S1930E	S2632E	S3246E S4046E S4550E		
JLG	AE1932 ES1530L ES1932 ES1932i R1932 R1932i RT5394	ERT2669 ES2632 ES2646 R2632 R2646 RT2669	3246ES 330LRT 3369LE 3394RT 4069LE 430LRT 4394RT	530LRT ERT3369 ERT4069 ERT4769 ES3246 ES4046 R3246	R4045 RT3369 RT3394 RT4069 RT4394 RT4769
Skyjack	SJ3215 SJ3219 SJ3220	SJ3226 SJ4726 SJ6826RT	SJ6832RT SJ4732 SJ4740 SJ6832RT SJ6832RTE	SJ8831RT SJ8841RT SJ9233RT SJ9243RT SJ9250RT	SJ9253RT SJ9644RT SJIII-4632 SJIII-4740
Snorkel International	S2255RT S3010E S3215L S3219E		S3370RT S3970RT S4732E		

**Telescopic Handlers (127.02.09.09)**

Lifting Height, m	5		10		
Bobcat Equipment	TL519 TL619 TL723 TL923 V519 V723 V923				
Caterpillar	TH255C	TH514D TL1255D TL1055	TL1055D TL1255 TL642	TL642D TL943 TL943D	
Gehl		DL12-55 GEN3 RS10-55 GEN4	RS6-42 M74 RS8-42 GEN4	RS8-44 GEN4	
Genie Industries	GTH-5519	GTH-1056 GTH-1256	GTH-1544 GTH-636	GTH-844	
JCB	505-20E 506-23TC 509-23TC 512-26 Industrial	505-20TC 506-36 507-42 508-66TC 509-42 509-42S	509-45TC 510-42 510-42S 510-55TC 510-56	510-56S 512-56 512-56S 514-56 514-56S	
JLG	1732 High Capacity G5-18A	742 943 1043	1055 1075 1255	1644 2733	
Magni	HTH16.10				
Manitou		MTA6034S3			
Sany		STH1256A			
Skyjack	SJ519TH	SJ1044TH SJ1056TH SJ1256TH	SJ643TH SJ843TH	SJ883TH ZB2044	
Skytrak		10042 10054	12054 6036	6042 8042	

**127.03.10 PILE DRIVING EQUIPMENT**
**Hammer, Open End, Diesel (127.02.10.01)**

Rated Energy, joules	50,000	80,000	120,000	220,000	300,000
APE	D19-52	30-52 D25-21 D25-52	D36/26-52 D36-52 D46-52 D50-52 D62-22	D62-52 D70-52 D80-22 D80-42	D100-22 D100-42 D128-42 D138-42 D160-42
Bauer Pileco	D19-42 D25-32	D36-32	D62-22	D80-23	D100-13
Berminghammer	B21	B32 EML45	B5505	B64 B650S	B6505HD
Delmag	D19-42	D25-32 D30-32/33	D36-32/33 D46-32/33	D62-22	
Pileco	D19-42 D25-32	D36-32	D62-22	D80-23	D100-13

**Driver Extractor, Vibratory Centrifugal, Including Power Pack, Excluding Crane (127.02.10.02)**

Driving Force, kN	245	392	637	980	1,471
APE	20	50	100 150		200 200-6 300-4
HPSI		150 80E	250	300	500
ICE			14	28 33	44 66
J&M Foundation Equipment	216	11-23	22-30 28-35 416B	44-50 815	66-80

**Universal Piling Machine, Including Attachment (127.02.10.05)**

Power Rating, kW	<450	450	570
A.B.I	TM13 TM11/14	TM13/16SL TM14/17V	
Bauer		RG16T RG19T RG18S RG21T	
Casagrande		B300 PR16/19 CX85 PR16/19 V16/19 20RHFV PTC PR16/19 PTC PR16/19 V16-19 V16-19 - CFA	
Junttan	PM25H	MPX90 PMX28	
Liebherr	LRB18 LRB16 LRH100 LRH200	LRB19	LRB23
Soil-Mec	SR-75 SR-95		

**127.03.11 DRILLING EQUIPMENT**

**Mechanical Drilling Equipment, Truck Mounted, Including Auger, Crowd & Power Pack (127.02.11.01)**

Power, kW	80	120
Central Mine Equipment	CME-55 CME-75	CME-85
Terex	330 650	
Watson Inc	1100 2100	2500 3110

**Mechanical Drilling Equipment, Crawler Mounted, Including Auger (127.02.11.02)**

Power, kW	95	113	130
Caterpillar			325C EX-12 325C EX-25
Watson Inc	1100	2500	3110 4400CM 4500
Central Mine Equipment	55/300 Track		850X Track

### Hydraulic Drill Rig (127.02.11.03)

Torque, kNm	50	190	270	320	450	550
Bauer	BG15 HBT40	BG23H	BG28H/BT75	BG33H/BT75 BG36/BS95	BG45/BS95	BG55/BS115
Casagrande	B125 XP-2 B125XP B160 XP-2 B175 XP-2 B175XP C16XP2 C20 C30 C8XP2 C9XP CB16B125XP C20 C30	B200XP2 B200XP B240XP2 B250XP2 CB20	B237XP2 B300XP2	B360XP2	B400XP2 B420XP2 B470XP2	
Delmag	RH-12					
Liebherr		LB20.1 LB25	LB30	LB35 LB35.1	LB45 LB45.1	LB55
Soil Mec	R312/200					
Watson Inc	2500 3110		4500			

### Mechanical Drilling Equipment, Crane Mounted Attachment, Including Auger (127.02.11.04)

Power, Kw	110	200
Berminghammer	BHD-40	BHD-80
Watson Inc	5000	

### Horizontal Earth Boring Equipment (127.02.11.05)

Power Rating, Kw	20	50	100	200
American Augers	24/30-150	36-600 NG 42-600 NG	36/42-600 48-54-900 NG 60-1200 NG 72-1200 NG	84/96-1800 NG
Bor-it	Model 24 Model 30 Model 36	Model 42 Model 48	Model 54 Model 60	
Mclaughlin Underground	MCL-24B MCL-30/36B	MCL-36/42C	MCL-54/60	

### Trenchless Directional Drill, Track Mounted (127.02.11.06)

Pullback Force, kN	40	85	130	220	440
Ditch Witch	JT10	D20X22 JT20 JT21 JT24 JT28	AT32 AT40 JT32 JT40	AT60 JT60	AT120 JT100 JT110
Universal		UNI25	UNI 40X55		
Vermeer	D10X15	D23X30 D24X40			

**Hydraulic Rock Drill, Including Power Pack, Excluding Drill Steel and Bits (127.02.11.07)**

Diameter, mm	75	125	150
Atlas Copco			ROC L8 (25) FLEXIROC D65
Bayshore			TR40
Caterpillar			MD 6200 MD 6200 DTH MD 6250 MD 6250 DTH
Epiroc			SMARTROC T45
Furukawa Rock Drill	HCR 1100 HCR 1100 ED HCR 1100 ER HCR 1450 EDII HCR 900 ESV	DCR 20 DTH HCR L90 E5 HCR L110 E5 HCR 1800 EDII 828 HCR 1800 EDII 836	
Sandvik	DX700	DP 1100i DX 800 DX900i	DI650I DP1500I
Soil-Mec	SM22		

**Tieback Drill Rig, Hydraulic, Dual Head (127.02.11.08)**

Power, Kw	< 140	140
Casagrande	C3 XP-2 C3V XP-2 C4 XP-2 C5 XP C5 XP-2 C5R XP-2 C6 XP C6 XP-2	C7 XP C7 XP-2 C8 XP C8 XP-2 C9 XP-2 C10 XP-2 C12 XP-2 C12V XP-2 C16 XP-2 M9 XP-2 M9-1
Hutte Bohrtechnik	HBR 502-2	
Klemm	KR 800-3G KR 801-3GS	KR 805-3G KR 806-3GS KR 807-7G

**127.03.12 BROOM AND SWEEPER EQUIPMENT**

**Front Mounted Attachment, Hydraulic (127.02.12.01)**

Broom Width, m	1.2	1.8	2.4
Caterpillar	626-4231	BP118C 565-4842 6264232	BA25 Hydraulic 12V BA25 Hydraulic 24V BA30 Hydraulic 24V
Spartan Equipment	SE48 ABHP SE60 ABHP SE21560M SE21572M SE21584M	SE72 ABHP SE84 ABHP	
York	SSAB 24-4 SSAB 24-5 SSAB 32-5	FLB 32-6 FLB 32-7 SSAB 24-6 SSAB 32-6 SSAB 32-7 TFB 32-7	FLB 32-8 SSAB 32-9 TFB 32-8 TFB 32-9 TFB 32-10

**Brush Chipper, Tow Type (127.02.13.01)**

Chipper Capacity, mm	150	300	375	450	500
Bandit	65XP 75XP 90XP	12XP 200HD 200UC 200XP 250XP	15XP 255XP	18XP 19XPC 280XP	20XP 21XP
Bearcat Manufacturing	CH1015H CH611DH CH6627H CH8993H CH911DH				
Carlton	1290 770	1712 2012	2015	2018HD 2518	
Morbark		1215 1415 BVR10 BVR13	1621 1621X BVR16	1821 1922 2131 BVR19	2230
Vermeer	BC700XL	BC1000XL BC1200XL	BC1500	AX19 BC1800XL	
Wallenstein	BXT72S BXTR6438 BXTR6438B				

**Log Skidder, Cable/Grapple (127.02.13.02)**

Minimum Net Flywheel Power, kW	120	170
Caterpillar	525D 535D	545D 555D
John Deere	648L-II	640L 640L-II 648L 748L 748L-II 768-II 848L 848L-II 948L 948L-II
Tigercat	610E	620H 625H 630H 632H 635H
Weiler	S250 S350	S340 S450 S550

## Generator, Gas or Diesel (127.02.14.01) - For 0.5 kW to 80 Kw

Prime Power Rating	kW (KVA) 0.5 (0.6)	3 (3.8)	10 (12.5)	20 (25)	56 (70)	80 (100)
Airman				SDG25S SDG40S SDG65S		
Atlas Copco				DPX-19403	QAS95	
Bobcat				PG25 PG40 PG50	PG70	PG100 PG125
Caterpillar			XQ20	XQ35 XQ60		XQ125
Cummins			10.0HDKCC		80KW	
Doosan				G25 G40	G70 G85	G125 G145
Echo	EDI-1200	DGK7F EG-3500 EGI-3600LN	DGK14F DGK15F EG-10000	DGK20FS DGK25F DGK36FS DGK45F	DGK70F	DGK125F
Generac		GP3600 GP6500E GP8000E MLG8K	6028 6783 MLG15M MLG20IF4	MDG25IF4 MMG45IF4 MMG55DF4	MDG75DF4	MDG100DF4
Honda	EB2200ITC EG2800IC1 EM3000C3 EU1000ITC3 EU2200ITC EU2200ITC1 EU3000IKC1 EU3000ISC4 EU3200IC	EB1000C1 EB5000X3CT2 EB6500XCT2 EM5000S3CT2 EM6500S2CT2 EU7000ISCT1				
Kubota		GL7000	GL11000 GL14000			
Magnum			MLG15 MLG20 MLG20IF4 MLG25 MMG25 MMG25IF4	MMG35 MMG35D4F MMG45I MMG45IF4 MMG55 MMG55DF4	MMG100 MMG100D MMG75 MMG75D	MMG130 MMG130D
Multiquip	GAC25HR	GAC36HR GAC6HR GAC97HEA	DCA10SPXU4C DCA15SPXU4F	DCA20SPXU4F DCA25SSIU4F DCA36SPXU4F DCA45SSIU4F	DCA70	DCA125SSIU4F
Polaris	P2000I P3200IE	P5500	P6500			
Triton			TP-C30-T1-60 TP-P14-T4-60 TP-P17-T1-50 TP-P20-T1-50 TP-Y20-T4I-60	TP-C25-T1-60 TP-P29-T\$IF-60 TP-P29-T4IF-60 TP-Y25-T4I-60 TP-YR40-T4I-60	TP-JDR80-T3F-60	TP-JDR100-T3F-60

**Generator, Gas or Diesel (127.02.14.01) - For 0.5 kW to 80 kW – CONTINUED**

Prime Power Rating	kW (KVA) 0.5 (0.6)	3 (3.8)	10 (12.5)	20 (25)	56 (70)	80 (100)
Wacker	GP2500A	GP4000A GP5500A GP7000A GPS9700A	G14	G25 G35 G50	G70	G100 G120 G130
Winco					RP80	DX100 DX130 DX90
Yamaha	EF1000IS EF2000IS EF2000IST EF2200IST EF2400ISHC EF2600C EF2800I EF3000ISE EF3000ISEB	EDL7000SDE EF3000IEB EF3000ISE EF4500ISE EF5500DE EF5500P EF6300ISDE EF7200DE EF7200P	EDL11000SDE			

**Generator, Gas or Diesel (127.02.14.01) - For 120 kW to 880 kW**

Prime Power Rating	kW (KVA) 120 (150)	160 (200)	240 (300)	320 (400)	480 (600)	880 (1,100)
Bobcat	PG150 PG190	PG240	PG325	PG400 PG570		
Broadcrown					BCC 725P-60	
Caterpillar		XQ200 XQ230	XQ330	C15 XQ375 XQ425 XQ570	C18	XQ1000 XQ1140
Cummins				500DFEK		
Doosan	G150 G185 G190	G240	G325	G450 G570		
Echo	DGK180F					
Generac	MDG150DF4 MDG175DF4	MDG250D4F MDG250DF4	MDE330P	MDE570		
Hipower	HRJW-190		HRJW-325			
Magnum	MGD150DF4 MMG175	MMG205	MMG330	MMG480	MMG625VT2	MCG1000M2
Multiquip	DCA150SSJU4F DCA180SSJU4F	DCA220SSJU	DCA300SSJU	DCA400	DCA600SSVC DCA800SSK2C	
Triton		TP-P250-T1-60	TP-C300-T1-60 TP-C330-T1-50 TP-P350-T3-60	TP-P400-T1-60 TP-V350-T1-60	TP-550-T1-60 TP-600-T2-60 TP-CD900-T1-60 TP-P800-T1-50 TP-P880-T1-60	TP-U1000-T2-60-UL TP-U1275-T2F-60
Wacker	G150 G180	G240	G320			
Winco	DX175	DX250	DX300 DX350			

**Centrifugal, Dewatering, Including 6 m Suction and 7.5 m Discharge (127.02.15.01)**

Intake Size, mm	25	50	100
Amt		2AG5LPE 382A-99 4222-95 4226-95 4226-V5 GCW2 GCW3	
Generac	6821 6917	6918	
Honda	WX10TC1 WX15TCX1	WB20XT4C WB30XT3C1	
Koshin		SEH-50X SEH-80X	
Multiquip		QP2H QP303H	QP402H
Tsurumi	TE2-25HA	TE3-50HA TE3-80HA	TE2-100HA
Wacker Neuson		PG2A PG3A	

**Centrifugal, Trash, Including 6 m Suction and 7.5 m Discharge (127.02.15.02)**

Intake Size, mm	50	75	100	150	200
AMT	3932-95 3937-D5		3993-Z6 3994-96 3995-96	5585-H6 5587-D6 55588-D6	
Generac					MTP8DZD MTP8DZV
Gorman-Rupp	12D1-GX160	13D1-GX270	14D1-GX270 14D1-GX390		
Honda	WT20XK4C	WT30XK4C	2S5XHR WT40XK3C		
IPT	2S5XHR 2S5XLR 2S7XZR	3S5 XAR 3S5 XHR 3S5 XLR 3S7 XZR 3S9 XAR 3S9 XHR 3S9 XLR 3S9 XZR	4S13XHR 4S13XZR 4S14KLR		
Multiquip	QP2 TH QP2 TK	QP3 TH QP3 THX QP3 TI QP3 TK QP3 TS	QP4 TH QP4 TK QP4 TKT16 QP4 TKT28 QP4 TZ	MQ600 H MQ600 HTB MQ600 HT MQ62 TKS MQ62 TKT	
Pioneer					88S12-PPI-01-D
Tsurumi	EPT3-50HA	EPT3-80HA	EPT3-100HA	EPT5-150HA	
Wacker Neuson	PT2A	PT3A	PT4A PTS4V	PT6Y	APT8

**Electric Submersible, Including 30 m Cable and 7.5 m Discharge, Excluding Generator (127.02.15.03)**

Intake Diameter, mm	50	75	100	150
AMT	02X11 02XH5 5770-95 5771-95 5773-95 5980-95 5981-95 598A-95	5777-95 577A-95 577B-95 5983-95		
Honda	WSP100 WSP50			
IPT	5711-95 5770-95 5771-95 5773-95 5780-98 5792-95	5777-95 577A-95 577B-95	577D-95 577E-95	
Multiquip	SS233 ST2037 ST2037F ST2038P ST2047	ST3020BCUL ST3050D	ST41230 ST41460	ST61230 ST61460
Tsurumi	LB-480 LB-480A LB-800 LB-800A LSR2.4S	LB-1500 NK2-15 NK3-22L NK4-22		
Wacker Neuson	PS2 500 PS2 800 PSA2-800	PS3-1500 PST3 750 PSTF3 750 PSW3 1500		

**127.03.16**

**WELDING EQUIPMENT**

**DC Arc Welder, Engine Driven, Including Rods (127.02.16.01)**

<b>Current, A</b>	<b>125</b>	<b>150</b>	<b>200</b>	<b>300</b>	<b>400</b>
Hobart	CHAMPION 145 CHAMPION ELITE		CHAMPION ELITE CHAMPION ELITE ALL-IN-ONE		
Lincoln Electric	BULLDOG 5500 OUTBACK 145	OUTBACK 185	DUAL MAVERICK 200/200X EAGLE 10,000 PLUS RANGER 225 RANGER 225 GXT RANGER 250 GXT RANGER 260 MPX	CC300 CC300MP CLASSIC 300 HE CLASSIC 300 HE1PAK R.305GEFI RANGER 305 D RANGER 305 D-1 RANGER 305 G RANGER 305 G EFI RANGER 305 LPG RANGER 330 MPX RANGER D RANGER D-ONE SAE 300 SAE 300 HE SAE 300 HE W SAE 300 MP WIREFEED SAE 300 RP	AIR VANTAGE 500 AIR VANTAGE 650 DUAL MAVERICK 200/200X (READY-PAK) FRONTIER 400X MAVERICK 325X SAE 400 SAE 500 SAE 500 SEVERE DUTY VANTAGE 300 VANTAGE 322 VANTAGE 400 VANTAGE 600
Miller Electric	BLUESTAR 145	BLUESTAR 185 BOBCAT 250GFCI FUSION 160	BOBCAT 225 BOBCAT 250 BOBCAT 260 BOBCAT 3 PHASE TRAILBLAZER 275	TRAILBLAZER 302 TRAILBLAZER 302AP TRAILBLAZER 325 TRAILBLAZER 325 AIR TRAILBLAZER 325 D TRAILBLAZER 325 EF PAK	BIG BLUE 400 PRO BIG BLUE 450-18 BIG BLUE 500 PRO BIG BLUE 600 PRO BIG BLUE 800 AIRPAK BIG BLUE 800 PRO
Tomahawk			TWG210A		

**Oxygen/Acetylene Torch, Including Gas, Excluding Rods (127.02.16.02)**

<b>Equipment Type</b>	<b>Hand Mobile, Heavy Duty</b>	
Miller-Smith	16206 23-1003P HBAS-30300 MB54-510L-18 MB55A-300	MB55A-510 MB55A-510-18 NE835A
Stoody	0384-2081 0384-2112 0384-2544	384-2088 384-2111 384-2120
Uniweld	KAR780-1 KLT550-4P OPHI-730	OPHI-780A WURKS-A WURK-V
Victor	0384-0948 0384-2041-18 0384-2045-18 0384-2068 0384-2100 0384-2101 0384-2125 0384-2130	0384-2132 0384-2540-18 0384-2544 0384-2580 0384-2690-18 0384-2698 384-2101

**127.03.17 TRAFFIC CONTROL DEVICES - NOT USED**

**127.03.18 MISCELLANEOUS EQUIPMENT- NOT USED**