



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

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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, m³/min	
3	11.35 11.55
5	18.00 18.25
7	25.60 26.00
10	42.55 42.95
17	77.55 78.15
25	108.30 109.00
45	181.95 183.10

127.02.01.02 Air Hammer, Including 15 M Hose, Excluding Points

Weight, kg	
3	1.05 1.00
14	1.75 1.65
28	1.85 1.80

127.02.01.03 Sand Blaster, Including Nozzles ~~And~~ and Hoses

Sand Pot Capacity, Weight, kg	
135	13.15 12.65
270	20.00 19.25

127.02.02 ASPHALT EQUIPMENT

127.02.02.01 Asphalt Paver

Weight, kg	
4,000	134.65 133.20
7,000	164.80 162.75
9,000	242.30 240.45
14,000	349.25 350.80
17,000	421.60 417.45
20,000	488.25 478.95

127.02.02.02 Asphalt Paver Attachment

Mechanical Floating Beam	7.00 6.70
Mechanical Grade and Slope Control	12.45 12.70
Screed Extension, Bolt On	7.05 7.20
Sonic Averaging Ski	7.60 7.45
Sonic Grade and Slope Control	7.75 7.60
Joint Match Heater	17.30 17.30

127.02.02.03 Asphalt Distributor ~~With~~with Truck

Tank Volume, litre	
7,000	153.70 154.60

11,000

~~186.55186-~~
15

127.02.02.04

Asphalt Pavement Profiler

Power, kW

32

~~161.70166-~~
45

90

~~266.8559-5~~
5

135

~~549.9541-5~~
5

340*

~~824.8527-3~~
0

700*

~~1,063.4500~~
0.00

* Excluding teeth

127.02.02.05

Asphalt Pavement Repair Equipment

Equipment Type

4 kW Pavement Line Grinder

~~5.605-55~~

8 kW Pavement Line Grinder

~~12.1512-05~~

15 kW Pavement Line Grinder

~~41.6042-20~~

Pavement Router

~~12.8012-70~~

Hot Air Lance

~~10.3510-45~~

Mastic Kettle

~~31.2031-40~~

127.02.02.06

Asphalt Material Transfer Vehicle

Without Surge Bin

~~440.05440-~~
60

~~With~~with Surge Bin

~~512.35506-~~
85

127.02.02.07

Profilograph

Equipment Type

California Profilograph, including trailer

~~41.8540-45~~

High Speed, including truck

~~81.4078-65~~

127.02.02.08

Linestripper

Equipment Type

Walk Behind

~~10.3510-40~~

Walk Behind Ride-On Attachment

~~7.407-35~~

Skid Mounted

~~34.3534-55~~

Ride-On

~~37.0535-80~~

400 litre Truck Mounted

~~176.35175-~~
55

1,000 litre Truck Mounted

~~209.40207-~~
85

2,000 litre Truck Mounted

~~252.25250-~~
10

2,000 litre Truck Mounted, including attenuator

~~269.15266-~~
40

127.02.03

COMPACTION EQUIPMENT

127.02.03.01

Rammer

Minimum Weight, kg

45	7.507.25
65	9.359.05

127.02.03.02 Manually Guided, Vibratory Plate

Minimum Weight, kg	
65	6.606.40
100	10.109.80
160	18.4017.80
280	29.8529.00
390	33.9533.10
500	44.6043.65

127.02.03.03 Hoe Mounted, Vibratory Plate, Hydraulic

Minimum Weight, kg	
100	7.957.40
300	10.009.25
600	15.0513.75
900	25.5523.45

127.02.03.04 Manually Guided, Self-Propelled, Vibratory, Tandem Drum

Minimum Weight, kg	
400	25.3024.55
1,200	57.9056.30

127.02.03.05 Self-Propelled, Vibratory, Single Pad Foot Drum

Minimum Weight, kg	
1,000	53.5552.25
4,000	74.2073.70
6,000	98.5096.65
9,200	134.00132.05
13,000	161.55158.95
18,000	198.30197.00
24,000	231.00228.60

127.02.03.06 Self-Propelled, Vibratory, Single Smooth Drum

Minimum Weight, kg	
1,000	53.9052.95
4,000	71.6571.05
6,000	94.2592.35
9,200	131.85129.40
13,000	161.50158.40
18,000	192.45189.35
24,000	216.65212.65

127.02.03.07 Self-Propelled, Vibratory, Tandem Drum

Minimum Weight, kg	
1,000	33.3533.05
3,000	53.0552.60

6,000	104.60 10
8,000	126.80 60
10,000	134.15 45
12,000	159.60 65

127.02.03.08 Self-Propelled, Static, Tandem Drum

Minimum Weight, kg	
4,000	53.25 1.95
7,000	64.90 63.70
10,000	75.60 72.90

127.02.03.09 Self-Propelled, Static, Segmented, Four-Wheeled, Two Axles, Including Blade

Minimum Weight, kg	
19,000	322.30 316.35
30,000	423.55 414.45

127.02.03.10 Self-Propelled, Static, Pneumatic Tires

Maximum Ballasted Weight, kg	
8,000	81.55 79.90
18,000	133.05 129.15

127.02.04 CONCRETE EQUIPMENT

127.02.04.01 Saw, Self-Propelled, Excluding Blades

Power, kW	
5	13.45 13.10
10	17.00 16.55
15	30.30 29.80
40	59.90 59.80
Ride-On	88.50 87.75

127.02.04.02 Saw, Manually Guided, Excluding Blades

Power, kW	
3	4.95 4.85
5	7.90 7.70
10	16.20 15.75

127.02.04.03 Slip Form Paver

Power, kW	
10	63.80 62.00
30	231.90 225.30
70	240.50 234.50
120	328.85 321.70
200	630.55 614.65

127.02.04.04 Concrete Vibrator, Including Flexible Shaft ~~And~~ and Electric Motor

Vibrator Diameter, mm	
All models	2.95 <u>3.05</u>

127.02.04.05 Concrete Repair Equipment

Equipment Type	
50 mm Hammer Drill, excluding bits	1.35 <u>1.30</u>
Predampener	49.85 <u>48.85</u>
Shotcrete Pump, Dry Process	18.65 <u>18.00</u>
Shotcrete Pump, Wet Process	112.05 <u>109.80</u>
Batch Mixer Pump	75.15 <u>73.20</u>

127.02.04.06 Concrete Placing Equipment

Equipment Type	
15 m³/hr Concrete Pump, Trailer Mount	59.75 <u>59.10</u>
25 m³/hr Concrete Pump, Trailer Mount	61.70 <u>60.95</u>
35 m³/hr Concrete Pump, Trailer Mount	84.20 <u>83.10</u>
54 m³/hr Concrete Pump, Trailer Mount	136.30 <u>134.80</u>
98 m³/hr Concrete Pump, Trailer Mount	365.45 <u>360.65</u>
17 m Vertical Height, Concrete Pump-Truck Mount	247.90 <u>243.75</u>
24 m Vertical Height, Concrete Pump-Truck Mount	286.25 <u>281.35</u>
28 m Vertical Height, Concrete Pump-Truck Mount	362.75 <u>355.75</u>
33 m Vertical Height, Concrete Pump-Truck Mount	395.55 <u>387.55</u>
40 m Vertical Height, Concrete Pump-Truck Mount	521.70 <u>509.45</u>
47 m Vertical Height, Concrete Pump-Truck Mount	780.20 <u>758.70</u>
Concrete Deck Finisher, Self-Propelled	62.50 <u>60.40</u>
Concrete Placer	397.05 <u>387.00</u>
Concrete Placer Spreader	609.95 <u>593.15</u>
Concrete Texture Curing Machine	121.60 <u>119.05</u>
Concrete Conveyor	110.30 <u>107.50</u>

127.02.04.07 Hydraulic Breaker, Boom Mounted

Impact Energy, Joules	
200	6.80 <u>6.60</u>
400	10.80 <u>10.45</u>
900	12.10 <u>11.80</u>
1,500	21.15 <u>20.60</u>
2,200	28.60 <u>27.90</u>
3,300	43.15 <u>41.70</u>
4,500	68.60 <u>66.40</u>
6,000	72.90 <u>70.85</u>
12,000	100.80 <u>98.00</u>
15,000	157.15 <u>153.00</u>

		50
20,000		214.75 209-80
127.02.05	CRUSHING EQUIPMENT	
127.02.05.01	Jaw Crusher, Diesel	
Jaw Opening, m		
< 1.00		196.75 193-30
1.00		233.75 230-75
1.15		348.40 343-00
127.02.05.02	Cone Crusher, Diesel	
Jaw Opening, m		
0.90		307.10 303-35
1.00		411.25 403-85
1.30		456.65 448-00
127.02.05.03	Impact Crusher, Diesel	
Crusher Size, m		
1.0		289.80 285-90
1.2		311.40 307-80
1.3		420.05 413-65
127.02.05.04	Screening Plant, Double Deck, Diesel	
Screen Size, m		
3		149.60 146-40
5		164.35 160-50
6		200.75 196-35
127.02.05.05	Screening Plant, Triple Deck, Diesel	
Screen Size, m		
5		179.90 175-55
6		222.50 217-55
127.02.05.06	Surge Bins And Conveyor, Excluding Power Unit	
Bin Volume, m ³		
7		67.35 64.85
10		113.65 109-40

127.02.05.07 Stacker, Excluding Power Unit

Conveyor Length, m
Wheeled, Electric

12	17.90 17.25
18	25.60 24.70
24	43.60 42.10
30	63.20 61.05

Tracked, Diesel

18	84.15 83.30
24	95.90 94.70
30	127.20 125.60

127.02.05.08 Telescoping Stackers, Excluding Power Unit

Conveyor Length, m

36	154.15 148.75
46	228.35 220.35
61	327.80 316.30
76	362.65 349.90

127.02.05.09 Trommel Screening Plant, Diesel

Drum Diameter, m

1.50	120.55 118.20
1.80	174.70 170.55

127.02.06 EARTH MOVING, GRADING EQUIPMENT

127.02.06.01 Scraper, Single Engine, Two-Wheel Drive

Minimum Struck Capacity, m³

10	300.90 286.90
16	401.45 383.20

127.02.06.02 Scraper, Twin Engine, Four-Wheel Drive

Minimum Struck Capacity, m³

10	376.35 368.70
16	512.10 498.55
22	673.75 655.65

127.02.06.03 Scraper, Single Engine, Self-Loading

Minimum Struck Capacity, m³

11	303.75 308.05
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127.02.06.04 Scraper, Pull TypeMinimum Struck Capacity, m³

6	29.55 29.80
9	45.40 41.85
11	49.65 44.15
14	80.10 65.55

127.02.06.05 Tractor Bulldozer, Crawler Type

Minimum Net Flywheel Power, kW

50	85.45 77.30
60	101.40 95.25
80	134.05 136.90
120	192.85 188.40
160	281.15 279.10
210	395.90 381.20
280	555.80 500.95

127.02.06.06 Tractor Bulldozer Ripper Attachment, Hydraulic, Rear Mounted

Power, kW

50	7.85 8.05
120	12.15 12.40
160	16.20 16.35
210	26.15 25.90
280	47.85 43.20

127.02.06.07 Wheeled Tractor, Farm, Industrial, Two-Wheel Drive

Power, kW

10	10.05
25	16.90 19.30
40	22.75 26.80
50	36.45 37.40
70	54.85 55.75
90	77.70 77.15
120	99.50 100.65
160	157.90

127.02.06.08 Wheeled Tractor, Farm, Industrial, Four-Wheel Drive

Power, kW

10	12.35
25	20.75 20.40
40	27.95 26.60
50	38.85 38.80
70	55.50 55.65
90	79.85 71.55
110	105.90 96.55
135	126.85 111.85
150	147.85 146.5

180	192.70183- 25 75
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127.02.06.09 Motor Grader, Articulated Frame

Minimum Operating Weight, kg	
14,000	165.50160- 10
20,000	195.95186- 10
30,000	426.85385- 00

127.02.06.10 Motor Grader Ripper-~~Or~~ or Scarifier Attachment, Hydraulic Mounted

Grader Weight, kg	
14,000 - Grader Ripper	9.75910
20,000 - Grader Ripper	13.1510.90
30,000 - Grader Ripper	24.8522.60
Scarifier - any size grader	8.157.05

127.02.06.11 Gravel-~~Or~~ or Chip Spreader, Self-Propelled

Spreader Width, m	
3	223.95203- 95
4	283.50267- 15
5	349.30326- 30

127.02.06.12 Spreader Attachment

Equipment Type	
Grader/FEL - Shouldering	38.7026.55

127.02.06.13 Shoulder Spreader/Road Widener

Spreader Width, m	
2	153.80136- 50
3	212.80181- 25

127.02.06.14 Reclaimer/Stabilizer, Excluding Teeth

Equipment Power, kW	
250	429.40417- 30
325	523.90538- 45
440	743.20687- 95

127.02.06.15 Grade Trimmer

Minimum Width, m	
3	494.75557.45

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	170.65 163. 50
26,500	218.15 197. 50
32,000	259.65 247. 85
44,000	362.15 335. 65

127.02.07.02 Hydraulic Excavator, Crawler Mounted

Minimum Operating Weight, kg

1,000	30.95 29.80
4,000	49.60 49.70
6,000	74.35 70.75
12,000	123.95 122. 55
19,500	153.55 143. 45
23,000	168.90 159. 60
26,500	202.70 197. 15
32,000	234.40 220. 15
44,000	361.30 336. 70
63,50 55,000	459.30 495. 40
87,000	565.85 536. 50
100,000	664.15 639. 70

127.02.07.03 Hydraulic Excavator, Rubber Tired

Minimum Operating Weight, kg

11,000	164.25 157. 05
18,000	197.65 188. 20
21,000	223.25 201. 45

127.02.07.04 Hydraulic Excavator, Bucket Attachment, Wrist Action

Minimum Carrier Weight, kg

1,000 4,000	4.30 5.25
4,000 9,000	5.85 6.70
6,000 13,000	6.75 9.00
12,000 18,000	12.15 10.25
19,500	13.45
23,000	18.75

127.02.07.05 Telescopic Boom, Carrier Mounted Excavator

Weight, kg	
15,000	214.80 190-65
22,000	276.10 251-45

127.02.07.06 Telescopic Boom, Crawler Mounted Excavator

Weight, kg	
17,000	172.75 159-55
20,000	197.65 186-30
23,000	229.35 217-45

~~127.02.07.07~~ Tractor With Loader/Backhoe Combination, Two-Wheel Drive

Minimum Power, kW	
45	74.70
60	82.20
75	97.00
94	144.45

127.02.07.078 Tractor ~~With~~with Loader/Backhoe Combination, ~~Two or~~ Four-Wheel Drive

Minimum Power, kW	
30	38.65 38.10
45	73.35 73.90
65	95.05 92.40
80	103.70 104-55
94	153.60 144-50

127.02.07.089 Tractor ~~With~~with Loader/Backhoe Combination, Attachments

Attachment Type	
Auger	6.20 6.10
Breaker	14.55 15.60
Bucket Thumb	5.35 5.45

127.02.07.0910 Front End Loader, Crawler Mounted

Power, kW	
70	126.90
100	184.85 172-85
150	246.65 242-25

127.02.07.101 Front End Loader, Rubber Tire, Four-Wheel Drive

Power, kW	
40	54.90 57.25
70 5	93.70 92.60
100	109.20 106-20
125	117.20 118-70

140	154.70 10
175	178.75 35
200	188.95 25
225	235.50 90
250	252.65 70
300	320.55 55
370	497.70 10

127.02.07.1~~2~~2 Skid Steer Loader, Rubber Tire

Rated Operating Capacity (50% Tipping Load)

300	26.00 25.30
700	40.65 38.65
850	43.20 41.20
1,000	46.95 45.80
1,200	51.35 50.40
1,500	63.90 62.95

127.02.07.1~~3~~2 Skid Steer Loader, Tracked

Rated Operating Capacity (35% Tipping Load)

300	48.40 46.50
900	54.90 55.50
1,100	57.90 58.85
1,300	67.25 67.25
1,600	81.70 76.70
1,800	88.70 96.60

127.02.07.1~~3~~4 Skid Steer Loader, Attachments

Attachment Type

Auger	5.05 4.60
Backhoe	15.00 13.45
Breaker	10.70 10.55
Cold Planer	24.65 22.20
Multi Bucket	4.55 4.25
Pick Up Broom	6.75 5.40
Power Rake	11.85 10.95
Scarifier	1.50 1.50
Steel Tracks	4.15 4.05
Sweeper, Angle Broom	6.65 5.95
Trencher	6.80 5.65

127.02.07.145 Chain Type Trenching Equipment

Power, kW

13	26.90 21.70
20	51.65 33.35
35	63.55 63.40
50	120.15 105.10

127.02.08 HAULAGE EQUIPMENT

127.02.08.01 Tag Along Trailer

Load Capacity, kg

1,500	1.65 1.65
2,500	2.85 2.65
5,400	4.70 4.40
10,000	7.95 7.40
16,000	12.20 11.05
22,000	14.65 12.70

127.02.08.02 Rigid Gooseneck Float ~~With~~with Tractor

Load Capacity, kg

20,000	150.25 148.60
40,000	163.90 168.70

127.02.08.03 Detachable Gooseneck Float ~~With~~with Tractor

Load Capacity, kg

30,000	157.10 154.10
45,000	161.65 164.30

127.02.08.04 Pickup, Two-Wheel Drive

Pickup Type

Mini Type	24.15 21.10
2,600 kg GVW	33.25 31.90
3,800 kg GVW	42.80 38.45
4,500 kg GVW	43.95 39.05

127.02.08.05 Pickup, Four-Wheel Drive

Pickup Type

Mini Type	29.45 26.25
2,600 kg GVW	34.25 33.15
3,800 kg GVW	43.15 40.05
4,500 kg GVW	44.65 40.65

127.02.08.06 Rear Dump, Single Rear Axle, Diesel ~~Or~~ or Gas

AGW, kg

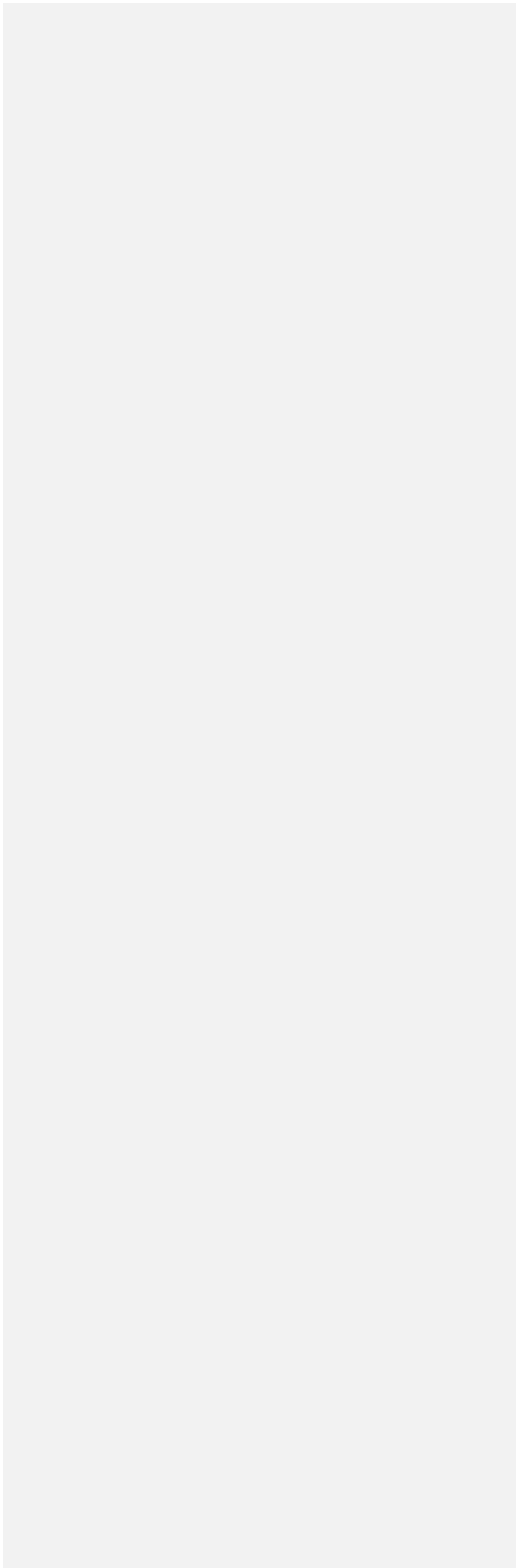
5,000	65.15 65.55
12,000	83.00 83.20

127.02.08.07 Rear Dump, Tandem Rear Axle, Diesel ~~Or~~ or Gas

AGW, kg

24,000	113.95 4.85
--------	------------------------

| _____



127.02.08.08 Rear Dump, Tri- Axle, Diesel

AGW, kg	
32,000	133.55 134. 35
32,000 kg Stone Spreader	158.50 158. 20

127.02.08.09 Tractor, On Highway, Diesel

Tandem Axle	131 3.30
-------------	---------------------

127.02.08.10 Trailers, Rear Dump

Axle Configuration	
Pony/Pup	22.35 23.10
Tri	28.30 27.80
Quad	36.70 35.40
Quint	43.80 42.25

127.02.08.11 Trailers, Live Bottom

Axle Configuration	
Tandem	33.60 28.90
Tri	38.00 36.30
Quad	41.05 40.60
Quint	45.25 45.90

127.02.08.12 Water Truck, Single Rear Axle

Spray Bar Type	
Gravity/Pressure	106.25 103. 75

127.02.08.13 Water Truck, Tandem Rear Axle

Spray Bar Type	
Pressure	130.95 127. 75

127.02.08.14 Dump Trucks, Off Highway, Rigid Frame

Payload, kg	
35,000	266.05 266. 40
38,000	299.15 295. 60
50,000	393.90 391. 30
75,000	611.55 606. 45

127.02.08.15 Dump Trucks, Off Highway, Articulated Frame

Payload, kg	
20,000	190.00 189-05
26,000	218.10 216-65
30,000	273.45 271-00
35,000	285.50 283-55
40,000	337.35 335-10

127.02.09 HOISTING EQUIPMENT

127.02.09.01 Boom Truck

Lift Capacity, kg	
7,000	134.95 135-25
11,000	169.15 170-40
19,000	193.05 193-40
25,000	248.05 247-90
40,000	368.00 368-95

127.02.09.02 Hydraulic Crane, Rough Terrain

Lift Capacity, kg	
13,000	148.90 145-85
20,000	205.70 202-65
40,000	245.75 241-65
65,000	333.65 327-85
100,000	510.60 501-85

127.02.09.03 Hydraulic Crane, Carrier Mounted

Lift Capacity, kg	
25,000	296.90 294-15
45,000	404.10 400-75
60,000	467.35 463-25
90,000	584.20 574-70
135,000	772.35 771-00
200,000	917.05 912-50
300,000	1,278.40 1,268-45

127.02.09.04 Lattice Boom Crane, Crawler Mounted

Lift Capacity, kg	
70,000	297.45 292. 90
90,000	366.25 359. 00
130,000	538.35 527. 50
200,000	678.40 665. 70
250,000	910.80 892. 25

127.02.09.05 Lattice Boom Crane, Carrier Mounted

Lift Capacity, kg	
110,000	665.20 648. 85
270,000	933.95 911. 40

127.02.09.06 Aerial Bucket Lift, Truck Mounted, Including Truck

Platform Height, m	
7.0	124.00 123. 15
10.0	136.25 136. 55
15.0	153.75 153. 00
20.0	210.85 209. 40

127.02.09.07 Aerial Bucket Lift, Self-Propelled, Telescopic/Articulating

Platform Height, m	
9.0	47.45 46.45
12.0	66.35 65.15
18.0	99.00 97.25
22.0	139.35 136. 80
30.0	184.10 180. 75
41.0	276.90 272. 10

127.02.09.08 Scissor Lift, Self-Propelled

Platform Height, m	
4.0	15.30 14.95
7.0	21.30 20.85
9.0	40.05 39.15

127.02.09.09 Tool Carrier

Power Rating, kW	
40	53.90 53.70
75	95.20 94.85
100	115.35 114. 95

125		137.90 137.50
127.02.09.10	Telescopic Handlers	
Lifting Height, m		
5		70.05 71.45
10		98.00 97.10
127.02.10	PILE DRIVING EQUIPMENT	
127.02.10.01	Hammer, Open End, Diesel	
Rated Energy, joules		
50,000		64.45 63.05
80,000		97.85 95.15
120,000		107.55 104.80
220,000		236.65 232.90
300,000		254.35 247.90
127.02.10.02	Driver/Extractor, Vibratory Centrifugal, Including Power Pack, Excluding Crane	
Driving Force, kN		
245		202.25 198.75
392		218.65 218.10
637		280.75 277.40
980		373.85 370.50
1,471		498.45 493.80
127.02.10.03	Leads, Including Hydraulics And and Kicker	
Length, m		
20, Fixed/Vertical		48.50 46.70
20, Hanging		18.00 17.60
24, Fixed/Vertical		48.80 47.00
24, Hanging		20.20 19.45
30, Fixed/Vertical		50.70 48.85
30, Hanging		24.75 23.80
127.02.10.04	Hydraulic Post Driver	
Track Mounted		109.90 112.65
Truck Mounted		163.20 164.55
127.02.10.05	Universal Piling Machine, Including Attachment	
Power Rating, kW		
< 450		792.70 780.35
450		1,094.60 1,074.55
570		1,370.10 1,351.3

127.02.11 DRILLING EQUIPMENT

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

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

Power, kW	
80	315.65 10
120	601.00 25

127.02.11.02 Mechanical Drilling Equipment, Crawler Mounted, Including Auger

Power, kW	
95	287.75 90
113	488.85 70
130	534.95 10

127.02.11.03 Hydraulic Drill Rig

Power, kW	
185	695.45 40
250	976.25 20
350	1,148.10 27.65
430	1,484.90 60.35
570	2,004.30 60.30

Note: Base rate includes initial casing up to 20 m, teeth, and auger. Replacement auger teeth not included.

127.02.11.04 Mechanical Drilling Equipment, Crane Mounted Attachment, Including Auger

Power, kW	
110	120.35 95
200	143.80 85

127.02.11.05 Horizontal Earth Boring Equipment

Power Rating, kW	
20	73.20 70
50	133.35 132.45
100	192.80 194.20
200	371.15 363.15

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

127.02.11.06 Trenchless Directional Drill, Track Mounted

Operating Weight, kg

1,000	153.95 150-35
7,000	338.05 330-05
12,000	465.55 453-50
20,000	597.70 582-90

127.02.11.07 Hydraulic Rock Drill, Including Power Pack, Excluding Drill Steel ~~And~~ Bits

Diameter, mm

75	266.60 262-85
125	351.00 345-65
150	663.30 652-05

127.02.11.08 Tieback Drill Rig, Hydraulic, Dual Head

Power, kW

< 140	244.90 241-35
140	388.40 383-40

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	6.05 6-35
1.8	7.50 7-80
2.4	12.20 12-50

127.02.12.02 Self-Propelled, Dual Control

Sweeper Type

Mechanical	185.35 158-10
Regenerative Air	168.55 175-55
Vacuum	183.65 183-65

127.02.13 FORESTRY EQUIPMENT

127.02.13.01 Brush Chipper, Tow Type

~~Minimum Net Flywheel Power, kW~~
~~Chipper Capacity, mm~~

150 19	26.80 29-75
300 35	60.30 49-80
375 80	94.20 88-30
450 140	105.90 159-40

Formatted Table

500

235.00

127.02.13.02 Lod Skidder, Cable/Grapple

Minimum Net Flywheel Power, kW

120	<u>185.90</u> 174. 15
170	<u>218.90</u> 212. 15

127.02.13.03 Chain Saw

Power, kW

1	4.00
3	<u>4.35</u> 7.70
5	<u>6.80</u> 11.65

127.02.14 PORTABLE GENERATING EQUIPMENT

127.02.14.01 Generator, Gas ~~Or~~ or Diesel

Power, kW

0.5, Air Cooled, Gasoline	<u>2.30</u> 2.25
3, Air Cooled, Gasoline	<u>3.80</u> 3.75
5, Air Cooled, Gasoline	<u>5.60</u> 5.50
10, Air Cooled, Diesel	<u>17.25</u> 17.70
40, Water Cooled, Diesel	<u>41.55</u> 42.45
80, Water Cooled, Diesel	<u>67.50</u> 68.95
150, Water Cooled, Diesel	<u>111.55</u> 114. 45
250, Water Cooled, Diesel	<u>149.50</u> 153. 80
300, Water Cooled, Diesel	<u>186.40</u> 191. 70
400, Water Cooled, Diesel	<u>246.65</u> 254. 05
600, Water Cooled, Diesel	<u>333.00</u> 343. 50
900, Water Cooled, Diesel	<u>486.10</u> 499. 30

127.02.15 PUMPING EQUIPMENT

127.02.15.01 Centrifugal, Dewatering, Including 6 M Suction ~~And- and~~ 7.5 M Discharge

Intake Size, mm

25, Air Cooled, gasoline	1.25 1.25
50, Air Cooled, gasoline	2.75 2.70
100, Air Cooled, gasoline	5.15 5.05

127.02.15.02 Centrifugal, Trash, Including 6 M Suction ~~And- and~~ 7.5 M Discharge

Intake Size, mm

50	4.65 4.55
75	6.70 6.60
100	16.15 16.00
150	41.95 41.80
200	98.05 97.35

127.02.15.03 Diaphragm, Including 6 M Suction ~~And- and~~ 7.5 M Discharge

Intake Size, mm

50, Air Cooled, gasoline	4.05 3.95
75, Air Cooled, gasoline	4.30 4.15

127.02.15.04 Electric Submersible, Including 30 M Cable ~~And- and~~ 7.5 M Discharge, Excluding Generator

Intake Diameter, mm

50	1.20 1.15
75	2.75 2.65
100	5.95 5.75
150	13.00 12.50
200	32.45 31.20

127.02.16 WELDING EQUIPMENT

127.02.16.01 Dc Arc Welder, Engine Driven, Including Rods

Current, A

125	7.55 7.35
150	9.85 9.20
200	12.95 11.55
300	15.35 14.25
400	24.30 21.30

127.02.16.02 Oxygen/Acetylene Torch, Including Gas, Excluding Rods

Equipment Type

Hand Mobile, Heavy Duty	9.50 12.95
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127.02.17 TRAFFIC CONTROL DEVICES

127.02.17.01 Portable Variable Message Signs

Equipment Type

Trailer Mounted, Solar	15.30 18.25
Truck Mounted	6.75 6.95

127.02.17.02 Buffer Vehicles, Including Arrow Board ~~And- and~~ Attenuator

Equipment Type

Crash Truck	86.70 93.80
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127.02.17.03	Traffic Barrels	
Each Per Day		0.95
127.02.17.034	Portable Light Towers, Trailer Mounted	
Extended Tower Height, m		
9		18.40 18.70
127.02.18	MISCELLANEOUS EQUIPMENT	
127.02.18.01	Hydro Excavation Equipment	
Hydro Excavating / Vacuum Truck		
Single Axle		168.70 170.05
Tandem Axle		221.30 223.50
Tri Axle		269.85 270.30

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 ³ /min	3	5	7	10	17	25	45
Atlas Copco	XAS57Dd XAS67Dd XAS77Dd XAS67KD16	XAS97Dd XAS185-16 XATS250KD7 XAS110 XAS188	XAS126 XAS146 XATS300KD7 XATS250	XAHS186 XAS186 XATS400 XATS156	XAHS336 XAMS356 XATS750-16 XAVS650 XAVS900	XAS950 XATS1050 XPHS486 XRVS366 XRVS1000CD	XAS1800
Chicago Pneumatics	CPS90	CPS185 CPS185DD CPS185DD1 CPS185PD1 CPS185KD CPS250KD		CPS375	CPS750 CPS750CD3 CPS750-16		
Doosan		C185WDO C185WDZ P185 P185WDO XP185	P250/HP210 WDO P260	HP375 HP400 HP450/VHP400WCU P425 P450 VHP400	HP600 HP750 XP825	HP1600WCU HP900 HP915WCU XHP1170WCU	HP1600WCU P425/HP375WC U XHP750WCU XP825/HP750W CU
Gradall		125G					
Grimmer Schmidt	125	185E 210D	250D	375D			
Ingersoll-Rand	P110WIR						
Kaeser		M50 M50PE M57 M58 M58-16 M55PE	M82	M100 M114 M125		M250 M350	
Multiquip		DIS185SS14 F					
Sullair		185 185DPQ	260	375 375H 375HDPQ 400HHDPQ 425DPQ		185	260

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	

127.03.02 ASPHALT EQUIPMENT

Asphalt Paver (127.02.02.01)

Weight, kg	4,000	7,000	9,000	14,000	17,000	20,000
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)

Tank Volume Litre	7,000	11,000
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
Note: 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	

127.03.03

COMPACTION EQUIPMENT

Rammer (127.02.03.01)

Minimum Weight, kg	45	65
Bomag	BT50 BT60	BT65
Crown		RAM-70H
Doosan	DRX60	DRX70
Husqvarna	LT5005	LT6005
Multiquip	MTR40HF MTX50HD MTX60HD	MTX70HD MTX70HDR MTX80HDR
Sakai	RS45	RS65 RS75
Tomahawk	eJX60H	JX60H TR68H
Wacker	BS50-2 BS50-2+11"	AS50E AS60E BS50-4AS BS60-2+11" BS60-4AS BS70-2+11" BS70-4AS

Manually Guided, Vibratory Plate (127.02.03.02)

Minimum Weight, kg	65	100	160	280	390	500
Bomag	BVP10/36 BVP12/50A BVP18/45	BPR25/40	BPR35/60	BPR45/55	BPR50/55D BPR60/65 BPR60/65D	BPR70/70D
Crown	MVP95					
Doosan	DFP1516 DFP1520		DRP2316 DRP3220		DRP4924	
Husqvarna	LF100L LF60 LAT LF75 LAT LF80 LAT LX90	LF100 LAT LG164	LG204 LG300	LG300	LF500 LG400	LG504
Multiquip	MVC64H MVC64VH MVC64VHW MVC82VH MVC82VHW MVC88VTH MVC90H	MVC88VTHW MVH128GH MVH158GH	MVH208GH	MVH308DZ MVH308GH MVH408GH	MVH408DZ MVH508GH	MVH508DZ
Sakai	PC600	PC800 PF120 PF150				
Tomahawk	TPC80H	TPC80 TPC90H	TPC170H			
Wacker Neuson	VP1340A VP1340AW VP1550A VP1550AW WP1540A WP1540AW WP1550A WP1550AW	AP1850E AP1850WE BPU2540A VP2050A VP2050AW	BPU3050A BPU3750A DPU3050H	BPU4045A BPU5545A DPU4545YEH	DPU5545HEH DPU6555HEH	DPU110 DPU90

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	HS675T 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			ARS70PD				
Bomag	BW124PDH-40 BW124PDH(B)	BW145PDH-5	BW177PDH-5	BW211PD-5 BW211PDH-5 BW213PDH-4i	BW213PDH-5 BW216PDH-5	BW219PDH-5 BW226PDH-5	
Case			SV207E SV208PD SV210PD	SV211E SV212PD SV213E	SV215EPD SV216PD SV217EPD		
Caterpillar		CP34	CP44 CP44B	CP11GC CP12GC CP54B CP56B	CP68B CP74B		
Dynapac		CA1300PD	CA1400PD CA1500PD	CA2500PD CA3500PD	CA4600PD CA5000PD	CA5500PD CA6000PD CA6500PD	
Hamm		H5-IP	H7-IP	H10-IP H12-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 SD45F	SD75B SD75F	SD115D4F SD115B	SD160F	SD200F	

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

Minimum Weight, kg	1,000	4,000	6,000	9,200	13,000	18,000	24,000
Ammann			ARS70				
Bomag	BW124DH-5 BW124DH-40	BW145D-5 BW145DH-5 BW145DH-3	BW177D-5 BW177DH-5 BW177BVC-5	BW211D-5 BW211DH-5 BW213DH-5 BW213DH-4I BW213DH-40	BW213DH-5 BW213BVC-5 BW216D-5 BW216DH-5	BW219BVC-5 BW219DH-5 BW226BVC-5 BW226DH-5	
Case			SV207E SV208 SV210	SV211E SV212 SV213E	SV216 SV216D SV215E SV217E	SV208D SV212D	
Caterpillar		CS34 CS35	CS-433E CS44B	CS10GC CS11GC CS12GC CS54B CS56B CS64B	CS68B CS74B	CS78B	
Dynapac		CA1300D	CA1400D CA1500D	CA2500D CA3500D	CA4600D CA5000D	CA5500D CA6000D CA6500D	
Hamm		H5I	H7I H7IVIO	H10I H12I H13IVIO	H13IC H14I H16I	H18I H20I H20IC	H25I
Hyundai			HR70C	HR120C HR110C	HR140C		
Sakai		SV204D	SV414D	SV544D			
Volvo		SD45 SD45B	SD75 SD75B	SD115D4 SD115B	SD160	SD200	
Wacker Neuson		RC50					

Self-Propelled, Vibratory, Tandem Drum (127.02.03.07)

Minimum Weight, kg	1,000	3,000	6,000	8,000	10,000	12,000
Drum Width, m	0.75	1.30	1.40	1.67	1.67	1.67
Ammann	ARX16-2 ARX20-2 ARX26.1-2 ARX26-2	ARX36-2 ARX45-2				
Bomag	BW100AD-5 BW100SL-5 BW100ADM-5 BW120AD-5 BW120SL-5 BW90AD-5 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	DV209CD DV210 DV210C 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 CP34	CB7-Solid Drum CB8-Solid Drum	CB10 CB44B-16 CB54B-Solid Drum CB7 CB8 CD10-Solid Drum	CB54	CB13 CB15 CB16 CB63
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				
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	RD12-90A RD12A RD18-100 RD18-80					
Weiler	C303					

Self-Propelled, Static, Tandem Drum (127.02.03.08)

Minimum Weight, kg	4,000	7,000	10,000
Bomag	BW5 AS (3-5) BW9 AS (8-10)	BW11 RH-5	
Weiler	C307A	C307 C310A	C310

Self-Propelled, Static, Segmented, Four-Wheeled, Two Axles, Including Blade (127.02.03.09)

Minimum Weight, kg	19,000	30,000
Bomag	BC462 EB BC473 EB-4 BC473 EB-5 BC572 RB-2	BC772 EB-4 BC773 EB-5 BC672 RB-2 BC772 RB-2
Caterpillar	815 815F Series 2	815K 825H 825K
Dynapac	CT3000	

Self-Propelled, Static, Pneumatic Tires (127.02.03.10)

Maximum Ballasted Weight, kg	8,000	18,000
Bomag	BW11 RH-5	BW24 RH BW27 RH BW28 RH
Case		PT240R PT240D
Caterpillar	CW14 CW16 11-Wheel CW16 9-Wheel	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	70	120	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	

Concrete Placing Equipment (127.02.04.06)

Equipment Type	Concrete Deck Finisher	Concrete Placer Spreader	Concrete Texture Curing Machin	Concrete Conveyor
CMI			TC-3	
Gomaco Corporation	C450 C750	PS2600 PS4000	TC-400 TC-600	RC Conveyor
Power Curbers		PS2700 PS3000	TC2700	
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 ³	10	16
Caterpillar	621H 621K	631G 631K

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

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

Scraper, Single Engine, Self-Loading (127.02.06.03)

Minimum Struck Capacity, m ³	11
Caterpillar	623K

Scraper, Pull Type (127.02.06.04)

Minimum Struck Capacity, m ³	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

Minimum Struck Capacity, m³	6	9	11	14
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 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)

Power, kW	50	120	160	210	280
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-Wheel Drive (127.02.06.07)

Power, kW	25	40	50	70	90	120
Case	Farmall T50a	Farmall 60A Farmall 65A Farmall 55A	Farmall 70A Farmall 75A	Farmall 115A Farmall 105A Farmall 95A Farmall 110A Farmall 120A	Farmall 130A Farmall 140A	Maxxum 115 Maxxum 125 Maxxum 135 Maxxum 145 Maxxum 150
John Deere	5045 E 5050 E	5055 E 5065 E 5060 E 5067 E	5065 E 5075 E 5075 M 5090 M 5090 E	5100 M 5095 M 6105 E 6110 M 6110 R 6120 E 6120 M 6120 R 6M 95 6M 105	6130 M 6130 R 6135 E 6145 M 6145 R 6155 R 6M 115 6M 125 6M 140 6M 145	6155 M 7210 R
Massey Ferguson	1739 E 1749 1754 2604 H 2605 2615	1758 1759	2635 4608 4609 5609	5610 5611 5612	5613	
New Holland	Workmaster 50	Powerstar 60 Workmaster 60	Powerstar 75 Powerstar 90 Powerstar 90 MS T4.89V T4A T4.90V T4A Workmaster 70	Powerstar 100 Powerstar 110 Powerstar 110 MS Powerstar 120 Powerstar 120 MS Powerstar 120 2-WD T4 100v T4A TS6.110 II T4B TS6.120 II T4B	TS6.130 II T4B TS6.140 II T4B	

Wheeled Tractor, Farm, Industrial, Four-Wheel Drive (127.02.06.08)

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 4WD 4044R 4WD 5045E	4052M 4WD 4052R 4066M 4066R 5055E	5065E 5075E 5085E 5090E 5090R	5090EL 5100E 5100M 5100ML 5100R 5105E 5105M 5115M 5115ML 5115R 5120M 6105E 6110M 6110R 6120E (2018) 6120M 6120R 6M 95 6M 105	5125M 5125R 5130M 6120E 6130M 6130R 6135E 6M 125 6R 110 6R 130
Massey Ferguson	1540 4WD 2605 4WD 2615 4WD 2850E	2604H 2750E 2860E	4608 4WD 4609 4WD 4707 4708 4709 W2630 4WD 3GE.75	4710 5610 4WD 5611 4WD 5612 4WD 5710 5711 5711S 6712 3GE.95 3GE.105 5S.115	4610 4WD 5609 4WD 5613 4WD 5712S 5713S 6713 6714S 6715S 7715S MF6614 4WD 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 4WD TS6.120 4WD Workmaster 95 Workmaster 105 Workmaster 120	T6.155 EC T6.160 EC T6.175 EC T6.180 EC T7.175 4WD TS6.125 4WD TS6.140 4WD

Wheeled Tractor, Farm, Industrial, Four-Wheel Drive (127.02.06.08) - CONTINUED

Power, kW	110	135	150	180	250
Case	Puma: - 150 hp CVX Drive ST5 - 165 hp CVX Drive ST5 Maxxum 145 Maxxum 135 Maxxum 125	Magnum: - 180 PS AFS C Puma: - 165 hp CVX Drive ST5 - 185 hp CVX Drive ST5	Magnum: - 220 PS AFS C Puma: - 175 hp CVX Drive ST5 - 185 hp CVX Drive ST5 - 200 hp CVX Drive ST5 - 220 hp CVX Drive ST5	Magnum: - 250 PS AFS C -265 CVT / PS - 280 PS AFS C -295 CVT / PS Puma: -200 hp CVX Drive ST5 -220 hp CVX Drive ST5 - 240 hp CVX Drive ST5 -260 hp CVX Drive ST5	OPTUM: -340 CVX Drive AFS C Magnum: -310 PS AFS C -325 PS / CVT -340 PS AFS C -355 CVT / RT PS -385 CVT / RT CVT -405 PS / RT PS Steiger: -370 WL AFS C -420 WL AFS C -425 WL AFS C -470 WL AFS C -475 WL AFS C -500 WL AFS C -525 WL AFS C -540 WL AFS C -555 WL AFS C -580 WL AFS C -595 WL AFS C -620 WL AFS C -645 WL AFS C
John Deere	6175R 6M 140 6M 145 6M 155 6R 140 6R145 6R 155	6175M 6195R 6M 165 6M 180 6R 165	6195M 6215R 6230R 7210R 7230R 7R 210 7R 230 8R 230 6M 200	6250R 7250R 7270R 7290R 7310R 7R 250 7R 270 7R 290 7R 310 7R 330 8R 250 8R 280 6M 220 6M 230 6M 250	7R 350 8R 310 8R 340 8R 370 8R 410 9R 390 9R 440 9R 490 9R 540 9R 640
Massey Ferguson	6716S 6718S 7716S 7718S MF6616 4WD MF7614 4WD MF7615 4WD MF7616 4WD MF7618 4WD MF7619 4WD 6S.155 6S.165 6S.180 7S.155 7S.165 7S.180	7720S MF6615 4WD MF7620 4WD MF7622 4WD 7S.190	MF7624 4WD MF7626 4WD 7S.210 8S.205 8S.225	8727S 8730S 8732S 8S.245 8S.265 8S.285 8S.305	8735S 8737S 8740S
New Holland	T7.210 4WD	T7.190 4WD T7.230 T7.245 4WD	T7.210	T8.320 AC T8.325 PLMi AC / UC T8.350 AC T8.380 AC T7.290 HD PLMi AC T7.315 HD PLMi HD	T7.340 HD PLMi AC T8.355 PLMi AC / UC T8.385 PLMi AC / UC T8.410 AC T8.415 PLMi AC / UC T8.435 AC T8.440 PLMi AC / UC

Power, kW	110	135	150	180	250
					T9.435 AC PLMI T4B T9.480 AC PLMI T4B T9.530 AC PLMI T4B T9.565 AC PLMI T4B T9.600 AC PLMI T4B T9.645 UC PLMI T4B T9.700 UC PLMI T4B

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	

Spreader Attachment (127.02.06.12)

Equipment Type	Grader/FEL - Shouldering
Midland	SA 2012 WA 2012
Swenson	Spreader Attachment
Road Widener	Roadwidener attachment

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)

Minimum Width, m	3
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

Minimum Operating Weight, kg	1,000	4,000	6,000	12,000	19,500	23,000
Nominal Bucket Size, m³				0.3	0.7	1.0
Bobcat Equipment	E10 E20 E26 E32 E35 E38	E42 E45 E48 E50 E55 E60	E63 E85 E88	E145 E165		
Case	CX17C CX26C CX30C CX33C CX37C	CX42D CX50D CX57C CX60C	CX60C CX75C CX80C	CX130D CX140E CX145D CX145D SR CX160D CX170E CX190E	CX210D CX220E	CX245D CX245D SR CX250D CX260E

Minimum Operating Weight, kg	1,000	4,000	6,000	12,000	19,500	23,000
Nominal Bucket Size, m³				0.3	0.7	1.0
Caterpillar	300.9D 301.4C 301.5 301.7 301.7D 301.8 302 CR 302.4D 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	320EL 320ELRR 321D-LCR 323 323F 326
Develon (formerly Doosan) 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	ZX17U-5 ZX26U-5 ZX35U-5	ZX50U-5	ZX60USB-5N ZX60USB-5 ZX75US-5 ZX85USB-5	ZX130-6 ZX160LC-6 ZX180LC-6ZX135-6	ZX210-6	ZX250LC-6
Hyundai	R17Z-9A R25Z-9AK R30Z-9AK R35Z-9A R930Z-9AK	HX35AZ HX40A HX48AX HX48AZ R55-9AR55-9A R60CR-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 JZ141DJ JS131 JS145	JS190 JS220	-220X
John Deere	17G 17P 26G 26P 30G 30P 35G 35P	50G 50P	60G 60P 75G 75P 85G 85P	130G 130P 135G 135P 160G 160P	180G 200G 210G	245G LC 250G LC
Kobelco	SK17SR-5E SK25SR-6E SK30SR-6E SK35R-6E	SK455SRX-7 SK55SRX-6E SK55SRX-7 SK455SRX-6E SK55SRX-6E	SK75SR-3E SK75SR-7 SK85CS-3E SK85CS-7	ED160-7 ED160BR-5 SK130LC-11 SK140SRLC-5 SK140SRLC-7 SK170LC-10 SK170LC-11 ED160-3 (Blade Runner) ED160BR-5 SK140SRLC-5 SK170LC-10	SK210LC-10 SK210LC-11	SK230SRLC-7 SK260SRLC SK230SRLC-5 SK260LC-10
Komatsu	PC30MR-5 PC35MR-5	PC45MR-5 PC55MR-5	PC78US10 PC88MR-10	-	-	-

Minimum Operating Weight, kg	1,000	4,000	6,000	12,000	19,500	23,000
Nominal Bucket Size, m³				0.3	0.7	1.0
Kubota	KX91 KX008-5 KX018-4 KX030-4 KX033-4 KX71-3S4 KX71-3S4 U10-5 U17-5 U17VR1 U25R1T4 U25S U27-4 U35-4	KX040-4 KX040-5 KX057-4 KX057-5 U48-5 U55-4 U55-5 KX040-4 KX057-4 KX057-5 U48-5 U55-4 U55-5	KX080- 54s KX080-4S2			
Liebherr				R914 R920	R918 R922	R926
Link Belt			75X3 Spin Ace 80X3 Spin Ace	130X4 145X4 145X3 Spin Ace 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 TB250 -2 TB257FR TB260	TB280FR TB290 TB370	TB2150		
Volvo	EC20D EC20C/ D/E EC20G EC20E EC27D EC35D EC37E ECR25 D ECR18E ECR40D/ E	EC60E ECR58 D ECR50F ECR58F	EC27D ECR88 D	EC140E EC160E ECR145E ECR145EL ECR145FL5 EC 160E EC140E ECR145E	EC200E EC210FL5 EC220E EC230FL5	EC240G EC250E ECR235 E
<u>Wacker Neuson</u>	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	63,555,000	870,000	100,000
Nominal Bucket Size, m³	1.2	1.5	1.7		2.0	5.0
Case	CS300E CX250D CX300D CX300E CX25 0D CX300D	CX350D CX365E	CX490D CX500D CX500D MEGX470G CX490D CX500D-ME	CX700B CX750 D	CX800B CX750D CX750D-RTC	

Minimum Operating Weight, kg	26,500	32,000	44,000	63,555,000	870,000	100,000
Nominal Bucket Size, m³	1.2	1.5	1.7		2.0	5.0
Caterpillar	326F 326FL 329FL 330 330F	328D-LCR 335 335F 336 336EH 336F 336FXE 340	349 349F 349F XE 350 352 352F	-374 374F	374 374F 390F 395	
Develon (formerly Doosan)	DX255LC-7 DX300LC-5	DC350LC-75 DX300LC-5 DX420LC-5	DX420LC-7 DX490LC-5 DX530LC-5		DX800LC-7	
Hitachi	ZX300LC-6	ZX34550LC-6 ZX380LC-6	ZX4970LC-6			
Hyundai	HX260L HX300L	HX300AL HX330L HX350AL HX380AL HX380LHX330L HX380L	HX480AL HX480L HX510L HX520AL HX520LHX480L HX510L HX520L		HX900L	
JCB	245XR	JS300 JS330 JS370370X				
John Deere	290G-LC250P 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 SK270SRLC-5 SK300LC-10	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	R956 R960SME R966	R966 R976	R980SME
Link Belt	300X4	350X4	490X4	-750X4	750X4	
Volvo	EC26090G EC300E EC300F	EC350E EC350EL EC370FL5 EC380E EC380EL EC400FL5 ECR355E ECR355EL EC330G EC340D EC350E EC360G EC380E ECR355E	EC480E EC500FL5 EC530E EC530EL EC550E EC550EL EC480E	EC750E EC750EL	EC700G EC750E EC950F	

Hydraulic Excavator, Rubber Tired (127.02.07.03)

Minimum Operating Weight, kg	11,000	18,000	21,000
<u>Case</u>	<u>WX140E</u>	<u>WX155E SR</u> <u>WX160E</u> <u>WX175E SR</u>	<u>WX210E</u>
Caterpillar	M314 M314F M315 M315F M316 M316F M317F M318 M318F	M319 M320 M320F M322	M322F
<u>Develon (formerly Doosan)</u>	DX140W-5	DX190W-5	DX210W-5
Gradall	XL3300 V	XL4300 V	XL5300 V
Hitachi		ZX190W-5	
<u>Hydrema</u>	<u>MX16G</u>	<u>MX17G</u>	
Hyundai	HW140 <u>HW140A</u> <u>HW160A</u> HW180	<u>HW170ACR</u>	HW210 <u>HW210A</u>
John Deere		190G W	<u>230G-W</u>
Liebherr	A910 COMPACT LITRONIC A914 COMPACT LITRONIC	A918 COMPACT LITRONIC <u>A918-Litronic</u>	A920 LITRONIC
Volvo	EW160E EWR130E EWR150E EWR160E EWR170E	EW180E <u>EW210D</u>	EW220E
<u>Wacker Neuson</u>	<u>EW100</u>		

Telescopic Boom, Carrier Mounted Excavator (127.02.07.05)

Weight, kg	15,000	22,000
Badger Equipment Ltd.	470TM 4x2 <u>470TM 4x2 Automatic</u> 470TM 4x4 <u>470TM 4x4 Automatic</u>	
Gradall	D154 4x4 D174 4x4 D254 4x4 XL 3100V XL 3100V 4x2 XL 3100V 4x4 XL3100 V 4x2 XL3100 V 4x4	XL 4100V 6x4 XL 4100V 6x6 XL 5100V 6x4 XL 5100V 6x6 XL4100 V 6x4 XL4100 V 6x6 XL5100 V 6x4 XL5100 V 6x6

Telescopic Boom, Crawler Mounted Excavator (127.02.07.06)

Weight, kg	15,000	20,000	23,000
Gradall	XL3200V <u>XL3200-V</u>	XL4200V <u>XL4200-V</u>	XL5200V <u>XL5200-V</u>

Tractor with Loader/Backhoe Combination, Two-Wheel Drive (127.02.07.07)

Minimum Power, kW	45	60	75	94
Nominal Bucket Size, m³	0.7	1.3	1.3	1.3
Case	580N 580N-EP	580-Super-N 580N 580N-EP	590-Super-N	-
Caterpillar	-	416F2 420F2-	-	-
John Deere	310L-EP	310L 310SL	310SL 310SL-HL 410L	710L
New Holland	-	B95C	B110C-	-

Tractor with Loader/Backhoe Combination, Two or Four-Wheel Drive (127.02.07.0807)

Minimum Power, kW	30	45	65	80	94
Nominal Bucket Size, m³	0.5	0.7	1.3	1.3	1.3
Case		580N 575N EP 580N EP	580 Super- SUPER N 580N 580SV	580 SUPER N WT 590 SUPER N 695SV	
Caterpillar		415 416 416F2	416F2 420 420F2 420XE 430 430F 440	430F2	450 450F
JCB		3CX		3CX-14 3CX-15 4CX-14 4CX-15 3CX-14 3CX14-Super 4CX-Super 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 B95 DTC	B110C D110D	

Front End Loader, Crawler Mounted (127.02.07.1009)

Power, kW	100	150
Caterpillar	655K 953 953D 953K 963D 963K	963 973D 973K 975
John Deere	655K 755K	
Liebherr	LR626 LR636 LR636-G8	

Front End Loader, Rubber Tire, Four-Wheel Drive (127.02.07.110)

Power, kW	40	70 5	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	1021F 1121F	1021F 1021G 1121F 1121G			
Caterpillar	906M 907M 908 908M 910M 914M	910 910M 914 914M 918M 920	926M 930M	926 930 926M 930M	938 938M 950K 950GC 962K	950 950M 962M	962 966K 966M 966MXE 972K 972M	966 972MXE	972 980 980K 980M 982M 986K	982 39 82 986	988K 990K 992
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 DL580-5 DL580-7		
Hyundai		HL930 A	HL940 HL940A		HL955 HL955A HL960 HL960A		HL965	HL970 HL970A HL975	HL980 HL980A	H- L985	
JCB	407 409	411HT 417HT		427 HT / ZX HT 427ZX 437ZX 437HT / ZX		457HT	457HT 457ZX				
John Deere	204G 204L 244II 244L 244P 304G 304K 304L 324L 324P 44 K	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		
Lioqong			835HV 838HV	848HV	856HV			877H	890H 890HV		
New Holland	W50C W60C W70C W80C										
SDLG	L918F			L938F L948F		L959F					
Takeuchi	TW60-2 TW80-3	TW95									

Power, kW	40	70 5	100	125	140	175	200	225	250	300	370
Volvo	L20F L30G L35G L40B L20HS L25HS L30GS L35GS L45G L45H L45HS	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 (127.02.07.112)

Rated Operating Capacity (Note 1), kg	300	700	850	1,000	1,200	1,500
Bobcat Equipment	S450 S70	S510	S550 S570 S590 S595 S590 S62	S630 S64 S66	S650 S740 S740 S76	S770 S850 S86
Case	SR130	SR160B SR175B SV185B SR175 SR160B SR175 SR175B SR185 SV185 SV185B	SR210 SR210B	SR240 SR240B	SR270 SR270B SV280 SV280B	SV340 SV340B
Caterpillar		226D 226D3 232D 236D3 226D3 232D 236D 236D3	232D3 239D 242D 246D	242D3 246D3 249D-	25062D 262D3 272D	260 270 270XE 272D3 272D3XE 272D3 272D3 272D3XP 272D3 272D3XE
Hyundai					HS120V	
JCB	135	155 175	190 205 215	225 260	215 270 280 300 330 Teleskid 3TS-8W	
John Deere		312GR 314G 316GR	318G 320E 320G		324G 330G 330P	332G 334P
Kubota			SSV65		SSV75	
New Holland		L216 L218 L316 L318	L220 L221 L320 L321		L228 L328	L334
Wacker Neuson		SW16	SW20 SW21	SW24	SW28 SW32	
Note: 1. SAE - Rated Operating Capacity @ 50% Tipping Load						

Skid Steer Loader, Tracked (127.02.07.123)

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	TR270 TR270B	TR310 TR310B TR340 TR340B	TV370 TV370B TV380	TV450 TV450B		TV620B
Caterpillar	239D3 239D3 249D 249D3 249D3-Canopy 257D	259D 259D3 277D 279D 279D3	287D 289D255 265	289D3 297D2 297D2-XHP 299D2 299D2-XHP 299D3	299D3XE	
<u>Hyundai</u>		<u>HT100V</u>				
JCB	150T 190T	205T 215T 225T Teleskid 2TS-7T	260T 270T	300T 320T 325T	Teleskid 3TS-8T	
John Deere		317G	323E 325-G 325G	331G 331P	333 GE 333 PG	335P
Kubota	-SVL50X	SVL65-275	-SVL75-3	SVL97-3-		
New Holland	G227 C327	G232 C332 C334	G238 C337	C345		C362
<u>Takeuchi</u>	<u>TL69</u>	<u>TL8R2</u>	<u>TL10V2</u>	<u>TL12R2</u>		<u>TL12V2</u>
<u>Wacker Neuson</u>	<u>ST27</u>	<u>ST31</u>		<u>ST45</u> <u>ST50</u>		
Terex-	R070T R160T R190T	R265T	-	-	-	-
Note: 1. SAE - Rated Operating Capacity @ 35% Tipping Load						

Skid Steer Loader, Attachments (127.02.07.1~~3~~⁴)

Attachment Type	Angle Broom	Auger	Backhoe	Breaker	Cold Planer	Multi-Bucket
Blue Diamond		BD-305705 BD-305708 BD-305712 BD-305715 BD-305720 BD-305725	BD-130005	HB165 HB210 HB300 HB400 HB530	BD-160105 BD-160110 BD-160220-HP BD-160225-HP BD-160230-HP BD-160235-HP BD-160240-HP BD-160245-HP	BD-108775 BD-108780
Bobcat Equipment	52" 64" 68" 84"	10 12PH 14PH 15C 20PH 25PH 30C 35PH 50PH10 15C 30G 35PH 50PH	7BH 8811 9BH M068811 7BH 9BH M06-	HB1180 HB1380 HB2380 HB680 HB880 HB980	40" M7017-24" M7018-18" M7019-14"	62" 68" 74" 80"
Caterpillar	BA118C	A23 A41 A68	BH130	B4 B6 B8	PC104 PC106 PC106 PC305 PC306 PC306 PC310 PC406 PC406 PC408 PC412	MP 62" MP 68" MP 74" MP 80" MP 86"
Construction-Attachments	-	-	-	225B-SS 500B-SS 650B-SS 850B-SS CAL-100-SS	-	CAL60 CAL67 CAL73
Digga	72" 84" 96"	1DSS 2DSS 3DSS 4DSS 5DDS1DSS DD DGA-2DSS-3MF DGA-3DSS-3MF DGA-4DDS-3MF				
ETERRA		2500 DRIVE 3500 DRIVE 4500 DRIVE				
John Deere	BA72C BA84C BA96C	PA15B PA30B PA40		HH20C HH40C HH60C HH80C	CP18G CP24G CP30G CP40G	MP66B MP72B MP78B MP84B
JCB	-	-	-	-	CP12 CP16HF CP18HF CP24HF CP30HF	-
Paladin		X1475D X1975D X22475D X975D				108018 66" MB 108020 72" MB 111470 60" MB

Attachment Type	Angle Broom	Auger	Backhoe	Breaker	Cold Planer	Multi-Bucket
Spartan Equipment	48" 60" 72" 84"	SE1475 SE1975 - 36" BIT SE2475 - 36" BIT SE875 SE975	SE-BH06	SE500 SE750	12" 16" 18" HE 20" HF 24" HF 30" HF 36" HF 40" HF	
Sweepster	S26-4 S26-5 S26-6	-	-	-	-	-
TMG Industrial	TMG-AB72	TMG-SAG12	TMG-SBH50	TMG-HB90S	-	-
Virnig	VG-VAB60 VG-VAB72 VG-VAB84 VG-VAB96					VB-HMPV72 VG-HMPV66 VG-HMPV78 VG-HMPV84
York	SSAB24-3 SSAB24-4 SSAB24-5 SSAB24-6 SSAB32-5 SSAB32-6 SSAB32-7 SSAB32-8					

Skid Steer Loader, Attachments (127.02.07.134) - CONTINUED

Attachment Type	Pick Up Broom	Power Rake	Scarifier	Steel Tracks	Trencher
Blue Diamond	BD-116512 BD-116517 BD-116522 BD-116527	BD-132012 72" RAKE BD-132017 84" RAKE BD-132022 96" RAKE			BD-131125 BD-131210
Bobcat Equipment	44" 54" 60" 72" 84"	- 5B 6B	6563526	10.00-16.5 12.00-16.5 14.00-17.5 31-12-16.5	LT112 LT113 LT213 LT313 LT414 TR36
Caterpillar	BP115C BP118C	PR118 PR121 PR123 PR172 PR184 PR172 PR184			T109-6" T109-8" T112-6" T112-8" T315-6" HF T315-8" HF
Digga					BF-4 BF-6 BF-8
Eterra				ET-CP-T-10SS ET-CP-T-12SSN	
Harley		60" POWER RAKE 72" POWER RAKE 84" POWER RAKE 90" POWER RAKE RAKEHR-M5F-0022			
JCB	-	-	-	-	TR30 TR48
John Deere	BP82C BP84C BR60C BR72C BR84C	PR72B PR84B PR96B		12IN STEEL TRACKS 10IN STEEL TRACKS 14IN STEEL TRACKS	TC36 TC48 TR36B TR48B TR60B
Spartan Equipment	72" 84"		60" Ripper 72" Ripper 84" Ripper 96" Ripper	SEST10X16.5 SEST12X16.5 T1000 T1200	SE625 SE640
TMG-Industrial	TMG-PS72	-	-	-	TMG-SDT36
Virnig	VB-PUB84 VG-PUB60 VG-PUB72	VG-PWR72 VG-PWR90			VG-TRN36-25 VG-TRN48-25 VG-TRN60-25
York	SSPU-5 SSPU-6	YPRSS6 YPRSS7 YPRSS8			

Chain Type Trenching Equipment (127.02.07.145)

Power, Kw	13	20	35	50
Barreto	2024RTK 2324RTK			
Ditch Witch	C24X	C30X RT45		RT100 RT120 RT125 RT70 RT80RT100 RT120 RT120-QUAD RT80 RT80-QUAD
Toro	TRX-20 TRX-250 TRX26 TRX-300TRX20 TRX26		RT600	RT1200
Vermeer	RTX150 RTX250	PTX40 PTX42 PTX44LM42 PTX44	RTX450 RTX550PTX40	RTX1250 RTX550 RTX750

127.03.08 HAULAGE EQUIPMENT

Dump Trucks, Off Highway, Rigid Frame (127.02.08.14)

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 (127.02.08.15)

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

127.03.09 HOISTING EQUIPMENT

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

Lattice Boom Crane, Carrier Mounted (127.02.09.05)

Lift Capacity, kg	110,000	270,000
Link Belt	HC-238 II HC-238H II	HC-278H II

Aerial Bucket Lift, Truck Mounted, Including Truck (127.02.09.06)

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 (127.02.09.07)

Platform Height, m	9	12	18	22	30	41
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 E400AJ E400AN E450AJ X430AJ X500AJ	600AJ 600S 600SC 660SJ 660SJC 670SJ EC600SJ EC600SJP H600SJ H600SJP X600AJ X660AJ Crawler	800AJ 800S 860SJ H800AJ SJ85AJ X770AJ	1200SJP 1250AJ X1000AJ	1350SJP 1500AJ 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 (127.02.09.08)

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		

Tool Carrier (127.02.09.09)

Power Rating, kW	40	75	100	125
Case	21FXT 121FXT 570NEP	521GXT	521GXT 621GXT	621GXT 721GXT
Develon (Doosan)			DL200TC-5 DL300TC-7	DC250TC-5 DL250TC-7
Hyundai		HL930ATM	HL940TM HL940ATM	HL955TM HL955ATM
JCB	411HT	411HT 417HT		427HT 437HT 457HT
John Deere		524LTC	524PTC	624LTC 624PTC
New Holland	W50C TC			

Telescopic Handlers (127.02.09.10)

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	KDK275 Rotary Head MR105 Vibro MR125 V MR150	RG16T RG19T RG18S RG21T	RG20S RG21T RG25S
Casagrande	CFA	PR16/19 CX85 PR16/19 V16/19 20RHFV PTC PR16/19 PTC PR16/19 V16-19 V16-19 - CFA	
Junttan	PM25H	MPX90 PMX28	
Liebherr	1100H Vibro 23VML Vibro 40VML Vibro BA220 Rotary Head BA250 Rotary Head LRB18 LRB16 LRH100 LRH200	LRB125XL LRB155	LRB255 LRB355.1 LRB23

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)

Power, kW	<185	185	250	350	430	570
Bauer	BG15 HBT40	BG15 HBT50 BG18 HBT50 BG20 HBT60 BG23 HBT65	BG24 HBS75 BG28 HBT75 BG33 HBT75	BG30V BS95	BG34 HBS95 BG36 BS95 BG36 HBS95 BG39 BS95 BG45 BS95	BG42 BS115 BG46 BS115 BG55 BS115 BG50 BT180
Casagrande	B125XP C20 C30	B125 XP-2 B160 XP-2 B175 XP B175 XP-2 B200 XP B200 XP-2 C8 XP-2 C9 XP C16 XP-2 C30	B240 XP-2 B250 XP B250 XP-2 B275 XP-2	B300 XP B300 XP-2 B360 XP B360 XP-2	B400 XP-2 B420 XP-2 B470 XP-2	
Liebherr		LB20.1	LB25 LB30	LB35 LB45		
Delmag			RH-12			
Soil Mec		R312/200				
Watson Inc	2500 3110		4400CM 4500			

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

Power, Kw	110	200
Birminghammer	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)

Operating Weight, kg	1,000	7,000	12,000	20,000
American Augers				DD110 DD-155T
Ditch Witch	JT5 JT10 JT20 JT24	JT25 JT28 JT3020 JT32 JT40	JT60 JT4020 Mach 1	JT100
TT Technologies	5X			
Vermeer	D20X22 S3 D23X30 S3 D9X13 S3	D24X40 D40X55DR S3	D36X50DR SII D60X90 SIII	

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

Diameter, mm	75	125	150
Atlas Copco		ROC F9C	ROC L8 (25)
Bayshore			TR40
Caterpillar		MD 5075 MD 5090	MD 5150C MD 6200 MD 6200 DTH MD 6250 MD 6250 DTH
Furikawa 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		DP 1100i DP 800i DX 800	D 1500i DI 1550

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 600-1 KR 801-3GS	KR 800-3G	KR 806-3D KR 806-3F	KR 807-7

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	BU115 PC115C 626-4231	BA118C Hydraulic BP118C BU118 565-4842 6264232	BA25C Hydraulic 12V BA25 Hydraulic 12V BA25 Hydraulic 24V BA30 Hydraulic 24V
Spartan Equipment	SE48 ABHP SE60 ABHP SE22060 MH-0022 SE21560M SE21572M SE21584M	SE72 ABHP SE84 ABHP SE22071 M-0022 SE22084 MH-0022	SE22096 MH-0022
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 32-8 SSAB 32-9 TFB 32-8 TFB 32-9 TFB 32-10

Self-Propelled, Dual Control (127.02.12.02)

Sweeper Type	Mechanical	Regenerative Air	Vacuum
Elgin Sweeper Co.	BROOM BADGER BROOM BEAR BROOM BEAR-1 EAGLE Eagle-1 PELICAN ROAD WIZARD	Crosswind CROSSWIND1 REGENX	MEGAWIND WHIRLWIND WHIRLWIND1
Global Environmental	M3 M4	R3 AIR R4 AIR	V4 AIR V6 AIR
Johnston North America	ES351 E35M	RS655 RT655 R65	V20 VR50D VR50E V65H V65T V80 CITY CAT V20E CITY CAT 5006 VT651 VT801 VT652 VT652 Hydro
Schwarze Industries	M4 CASCADE M6 AVALANCHE	A4 STORM A7 TORNADO A8 TWISTER A9 MONSOON A9 MONSOON TE	HYPERVAC
TYMCO		210 435 600 500X DST-4 DST-6	

Brush Chipper, Tow Type (127.02.13.01)

Minimum Net Flywheel- Power, kWChipper Capacity, mm	<u>19150</u>	<u>35300</u>	<u>80375</u>	<u>140450</u>	<u>500</u>
Bandit	65XP 75XP 90XP65XP 90XP	12XP 200HD 200UC 200XP 250XP12XP 75XP-TRACK 90XP 90XP-TRACK 150XP 200UC 200XP INTIMIDATOR- 12XPC	15XP 18XP 19XPC 21XP 150XP 200HD 200XP 250XP 250XP-TRACK 255XP 255XP-TRACK 280XP255XP INTIMIDATOR- 15XPC INTIMIDATOR- 18XP INTIMIDATOR- 19XPC	18XP 19XPC 280XPINTIMIDA TOR-19XPC INTIMIDATOR- 21XP	20XP 21XP
<u>Bearcat Manufacturing</u>	CH1015H CH611DH CH6627H CH8993H CH911DH				
<u>Carlton</u>	1290 770	1712 2012	2015	2018HD 2518	
Morbark	M8D	1215 1415 BVR10 BVR131215 M12R M12R-TRACK M12RX	1621 1621X BVR161415 1621 1621X 1821 1922 2131-SA M15R M15R-TRACK M18R M18RX	1821 1922 2131 BVR19 2131-TA 2230 M18R-TRACK M20R	2230
Vermeer	BC700XLBC900 XL	BC1000XL BC1200XLBC100 0XL	BC1200XL BC1500 BC1800XLBC150 0	AX19 BC1800XLBC210 0XL	
<u>Wallenstein</u>	BXT72S BXR6438 BXR6438E				

Log Skidder, Cable/Grapple (127.02.13.02)

Minimum Net Flywheel Power, kW	120	170
Caterpillar	525D 535D	545D 555D
John Deere	648L-II 848H	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

127.03.14

PORTABLE GENERATING EQUIPMENT

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

Power, kW	0.5	3	5	10	40	80
Atlas Copco				DPX-19403 QAS25 QAS45	QAS70 QAS90	QAS120 QAS150 QIS175
Broadcrown						
Caterpillar		RP3600	RP5500 RP6500E RP7500E	XQ35	XQ60	XQ125
Champion			100165			
Cummins			5.5HGJAE-6757	10.0HDKCC	80KW	
Defender		4000W	TP10000E TP12000E			
Doosan				G25 G40	G70 G70WCU-3A G85 G85WCU-3A	G125 G125WCU-3A G145 G150WCU-3A G185 G190WCU-3A
Firman	WO1782	HO3652 PO3501 PO3612	PO8004			
Gardner Connell						
Generac				6028 6783 MDG25IF4 MLG15M MLG20IF4 MMG45IF4	MDG75D4F MMG55DF4	MDG100DF4 MDG150DF4 MDG175DF4
Honda	EU1000ITC3 EB2200ITC EU2200ITC EU2200ITC1 EP2500 EG2800IC1 EM3000 EM3000C3 EU3000IKC1 EU3000ISC4 EU3200IC	EB4000 EB5000 EB5000X3CT2 EG5000 EM5000S EM5000S3CT2	EB6500 EB6500XCT2 EG6500 EM6500S EM6500S2CT2 EU7000ISCT1 EB10000 EB10000C1			
Kubota				GL11000 GL14000		
Magnum				MLG15 MLG20 MLG20IF4 MLG25 MMG25 MMG25IF4 MMG35 MMG35D4F MMG45i MMG45IF4	MMG100 MMG100D MMG55 MMG55DF4 MMG75 MMG75D	MGD150DF4 MMG130 MMG130D MMG175
Mtu						MTU100
Multiquip				DCA36SPXU4F DCA45SSIU4F	DCA70	DCA125SSIU4F DCA150SSJU4F DCA180SSJU4F
Swp				GS25		
Toromont						100KW

Power, kW	0.5	3	5	10	40	80
Triton				TPC25-T1-60 TPC30-T1-60 TPP14-T4-60 TPP17-T1-50 TPP20-T1-50 TPP29-T4iF-60 TPY20-T4i-60 TPY25-T4i-60 TPYR40-T4i-60	TPJDR80-T3F-60	TPJDR100-T3F-60
Wacker Neuson	GP2500A	GP3800A	GP5600A	G14 G25 G50	G70	G100 G120 G150 G180
Wilson						P110-3
Winco				RP25	RP80	DX100 DX130 DX90
Yamaha	2600 EF1000IS EF2000IS EF2000IST EF2200IST EF2400ISHC EF2600C EF2800I EF3000ISE EF3000ISEB	EF4500ISE EF5500DE EF5500P	EDL7000SDE EF6300ISDE EF7200P EF7200DE	EDL11000SDE		

Generator, Gas or Diesel (127.02.14.01) - For 150 kW to 900 kW

Power, kW	150	250	300	400	600	900
Atlas Copco	QIS250	QAS330				
Broadcrown					BCC725P-60 T2	
Caterpillar	XQ200		XQ375 XQ425	C15 XQ570	C18 XQ800	XQ1000
Cummins				500DFEK		
Doosan	G240	G325	G450 G450WCU 2BT2	G570 G570WCU 2BT2		
Generac	MDG175D4F MDG250D4F	MDE330P		MDE570		
Magnum	MMG205	MMG330	MMG480	MMG625VT2		MCG1000M2
Mtu	MTU200		MTU400	MTU500		
Multiquip	DCA220SSJU4F DCA300SSJU4F2		DCA400	DCA600SSVC	DCA800SSK2C	
Swp			QP500			
Triton	TPC330-T1-50 TPI250-T3-60UL TPP250-T1-60	TPC330-T1-60 TPP350-T3-60	TPP400-T1-60 TPV350-T1-60	TP550-T1-60 TP600-T2-60	TPCD900-T1-60 TPP800-T1-50 TPP880-T1-60	TPU1000-T2-60UL TPU1275-T2F-60
Wacker Neuson	G240	G320				
Winco	DX175 DX250	DX300	DX350			

127.03.15

PUMPING EQUIPMENT

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

Intake Size, mm	25	50	100
Amt	1G4XAR	2AG5LPE 382A-99 4222-95 4226-95 4226-V5 GCW2 GCW3	
Generac	6821 6917	6918	
Honda	WX10TC1 WX15TCX1	WB20XT4C WB30XT3C1	
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	3163-95 3930-95 3932-95 3937-D5	3941-96 3943-96 3944-96	3993-96 3993-Z6 3994-96 3995-96	5585-H6 5587-D6 55588-D6	
Generac	6822 6919 6920	7725	MTP4 DZD MTP4 DZV	MTP6 DZD MTP6 DZV	MTP8 DZD MTP8 DZV
Gorman-Rupp	12D1-GX160	13D1-GX270	14D1-GX270 14D1-GX390		
Honda	WT20XK4C	WT30XK4C	2S5XHR WT40XK3C		
IPT	2S5 XLR 2S5 XAR 2S5 XHR 2S5 XLR 2S7 XZR	3S5 XAR 3S5 XHR 3S5 XLR 3S7 XZR 3S9 XAR 3S9 XHR 3S9 XLR 3S9 XZR	4S13 XAR 4S13 XHR 4S13 XZR 4S14 KLR		
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	
Tsurumi	EPT3-50HA	EPT3-80HA	EPT3-100HA	EPT5-150HA	
Wacker Neuson	PT2A	PT3A	APT4S APT4T PT4A PTS4V	APT6S APT6T PT6LS PT6LT	APT8S APT8T

Diaphragm, Including 6 m Suction and 7.5 m Discharge (127.02.15.03)

Intake Size, mm	50	75
AMT	336G-96 338G-96 338L-96	335A-96 335G-96 335H-96 337G-96 337H-96 337L-96
Honda		WDP30
Multiquip	MQD2H MQD2HA	MQD3H MQD3HA
Tsurumi	TD6-200	TD6-300
Wacker Neuson	PDT2A	PDI3A PDT3A

Electric Submersible, Including 30 m Cable and 7.5 m Discharge, Excluding Generator (127.02.15.04)

Intake Diameter, mm	50	75	100	150	200
AMT	02X11 02XH5 5770-95 5771-95 5773-95 5980-95 5981-95 598A-95	5777-95 577A-95 577B-95 5983-95	577E-93 577D-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	50TM2.4S 50TM2.75S 50TMA2.4S 50TMA2.75S LB-480 LB-480A LB-800 LB-800A LSR2.4S	LB-1500 NK2-15 NK3-22L NK4-22			
Wacker Neuson	PS2-1503 PS2-500 PS2-800 PS2-500 PSA2-500 PSA2-800 PSG2-500 PST2-400 PSTF2-400	PS3-1500 PS3-2200 PS3-2203 PS3-3703 PST3-750 PSTF3-750 PSW3-1500	PS4-11003HH PS4-5503		
WEDA	D04BN D04N D08N D10N	D30L D30N D30N	D40N D50H D50N D60N	D70L D80N D90L	D100N

127.03.16

WELDING EQUIPMENT

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

Current, A	125	150	200	300	400
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 300 PRO BIG BLUE 350 PIPEPRO BIG BLUE 400 PRO BIG BLUE 450-18 BIG BLUE 450-DCST 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)

Equipment Type	Hand Mobile, Heavy Duty	
Miller-Smith	16206 23-1003P HBAS-30300 MB54-510L-18 MB55A-30023-1003P HBAS-30300 MB54-510L	MB55A-510 MB55A-510-18 NE835AMB55A-510 NE835A
Stoody	0384-2081 0384-2112 0384-25440384-2112 384-2088	384-2088 384-2111 384-2120384-2111 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 0384-21300384-2041 0384-2045 0384-2068 0384-2540	0384-2132 0384-2540-18 0384-2544 0384-2580 0384-2690-18 0384-2698 384-21010384-2544 0384-2690 384-2101

127.03.17 TRAFFIC CONTROL DEVICES - NOT USED

127.03.18 MISCELLANEOUS EQUIPMENT- NOT USED