

MCAA

Mechanical Contractors Association of America

TOOL AND EQUIPMENT RENTAL GUIDE



PCA

Plumbing Contractors of America

MSCA

Mechanical Service Contractors of America

NCPWB

National Certified Pipe Welding Bureau

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About this Guide

The *Tool and Equipment Rental Guide* is a comprehensive, current guide to cost recovery for equipment used by mechanical contractors. The rates in this guide are intended as guidelines paralleling amounts an equipment owner should charge during rental or contractual periods to recover equipment-related costs on a single-shift (8-hour) basis.

These rates are derived from cost formulas and data developed by EquipmentWatch and from analytic methods used in the construction industry. Generally, these methods consider purchase price, depreciation, maintenance and overhaul costs, indirect equipment costs, and average annual use hours. Specific market conditions, such as local supply and demand, are not considered in these calculations. **These rates are not a tabulation of rates being charged nationally.** They do not reflect rates charged by rental companies except by coincidence. Recognizing that costs may vary considerably from state to state, a [Regional Rate Adjustment Table](#) is provided.

The publication of these rates is not intended to influence the equipment rental market as a whole. To enter into agreement, combination, understanding, or action with any person or party with intent to establish rental rates at specific levels in this or any other publication may constitute a violation of Fair Trade Practices and be subject to prosecution.

This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold with the understanding that the publisher is not engaged in rendering legal or accounting services. While all efforts have been made to assure total accuracy, the variable nature of the information and informational sources precludes any warranties of specific accuracy in any specific instance.

Rate Structure: Definitions and Methodology

Rental rates in this guide are based on ownership and operating costs for contractor-owned equipment. The term “rental” does not refer to third-party contracts for the use of equipment. Profit, project overhead, and general company overhead costs such as office facilities and supplies are *not* included in the rates shown in this guide.

Ownership Costs

- a. *Depreciation Costs.* Depreciation in this guide is a straight line, even accrual of funds over an established economic life to offset the original purchase price of a machine, tool, or any other piece of equipment. As applied in this context, it is not to be confused with other methods of determining depreciation for taxation or other accounting purposes.
- b. *Indirect Equipment Costs.* Allowances are made for indirect costs that result directly from equipment ownership. These costs may include such costs as normal risk insurance, property taxes, mechanics' and administrative supervision, storage, licenses, and record keeping costs.
- c. *Cost of Facilities Capital.* Cost of facilities capital (CFC), which is similar to but not exactly the same as interest charges, is an allowance for the cost of money invested in equipment, whether the equipment is purchased in cash or financed over time.
- d. *Major Overhaul.* The ownership rates in this guide include an allowance for major overhaul costs necessary to keep a machine functional throughout its economic life. This allowance covers the periodic rebuilding of engines, motors, transmissions, undercarriages, and other major equipment components.

The life-cycle ownership costs—depreciation, indirect costs, cost of facilities capital, and major overhaul—are annualized and then adjusted to reflect an average annual working season to obtain a monthly rental rate. Weekly and daily rates are then derived from the monthly rental rate. Rates for shorter use periods are increased to account for lost availability and productivity during shorter use periods. The weekly rates shown in this guide are 28 percent of the monthly rate; the daily rates are 25 percent of the weekly rate.

Overtime Guide

An industry practice in calculating rental rates for periods in excess of the base rate used for the job duration (daily, weekly, or monthly) is to use 1/8 of the daily rate, 1/40 of the weekly rate, or 1/176 of the monthly rate for each hour in excess of the base, but short of the next longer base duration.

Operating Costs

Operating costs include the following Items:

- a. The cost of labor and parts needed for routine, daily servicing of the equipment. This includes repairing and/or replacing small components such as pumps, carburetors, injectors, belts, filters, gaskets, and worn lines.
- b. The cost of operating expendables. These include fuel, computed in accordance with horsepower, average load factors, and the price of fuel; lubrications, including filters, oil, and grease, as well as the labor and the lube truck involved in lubrication; tires; and ground engaging components, including pads, blades, bucket teeth, etc. Tire costs are calculated by average tire life factors and take into consideration typical discounts from list prices. Electricity costs (where applicable) are calculated according to generally accepted duty cycles for the total motor load.
- c. The cost of extraordinary operating expendables may not be included in all operating expenses. Certain ground engaging components, such as hammer and drill bits, drill steel, augers, saw blades, and tooth-bits, are normally excluded from the operating costs because of their highly variable wear patterns. It is recommended that these costs be recovered separately. A list of [typical expendable items](#) is provided.

Operator's wages are not included in the operating costs.

Trade Names, where used, are for descriptive purposes only. Please note that where manufacturer's names and numbers are listed, it is only for better identification of the style and capacity of the equipment, and "equal" may be inferred.

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Owning & Operating Rate
 Day \$ Week \$ Month \$

SECTION 1: AIR TOOLS

A. Air Compressors (Rotary Screw, Portable)

Gasoline

to 80 cfm	49.32	197.25	704.48
81 to 100 cfm	219.23	876.93	3,131.91
101 to 125 cfm	242.48	969.90	3,463.93
126 to 160 cfm	246.73	986.92	3,524.71
161 to 175 cfm	333.71	1,334.85	4,767.30
176 cfm and over	341.62	1,366.49	4,880.33

Diesel

to 80 cfm	72.02	288.07	1,028.81
81 to 100 cfm	146.01	584.03	2,085.84
101 to 125 cfm	181.22	724.88	2,588.83
126 to 160 cfm	218.20	872.78	3,117.07
161 to 175 cfm	252.76	1,011.01	3,610.75
176 to 185 cfm	267.31	1,069.27	3,818.82
186 to 250 cfm	316.64	1,266.58	4,523.51
251 to 300 cfm	446.71	1,786.82	6,381.48
301 to 375 cfm	466.74	1,866.94	6,667.64
376 to 450 cfm	526.49	2,105.95	7,521.26
451 to 600 cfm	687.13	2,748.51	9,816.10
601 to 750 cfm	864.41	3,457.60	12,348.58
751 to 900 cfm	932.05	3,728.22	13,315.07
901 to 1200 cfm	1,257.37	5,029.47	17,962.39
1201 to 1400 cfm	1,456.14	5,824.56	20,801.99
1401 cfm and over	1,535.22	6,140.89	21,931.74

Electric Skid/Tank Mounted

to 15 cfm	9.40	37.60	134.31
16 to 25 cfm	18.74	74.96	267.71
26 to 35 cfm	24.15	96.59	344.96
36 to 55 cfm	30.71	122.85	438.72
56 cfm and over	38.17	152.70	545.34

Owning & Operating Rate
 Day \$ Week \$ Month \$

B. Air Tool Accessories

Asphalt Cutter 5"	3.82	15.29	54.62
Clay Spades 5-1/2"	11.86	47.45	169.46
Sheet Driver with Shank	6.68	26.71	95.42

C. Blow Pipe

All	5.14	20.57	73.49
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D. Chipping Hammers

to 12 lbs	9.49	37.93	135.46
12 lbs and over	15.77	63.06	225.18

E. Clay Diggers

to 25 lbs	12.23	48.93	174.75
26 to 30 lbs	13.32	53.29	190.35
31 lbs and over	15.90	63.61	227.18

F. Grinders & Sharpeners

Hand-held	12.72	50.87	181.70
Bench Type	9.55	38.20	136.44
Straight	14.87	59.49	212.47
Vertical	13.52	54.10	193.20

G. Hoses

Allegro 9101-100B	2.43	9.74	34.78
1/2" to 5/8"	2.51	10.03	35.81
3/4"	2.76	11.05	39.44
1"	3.24	12.95	46.23
1-1/4"	6.54	26.18	93.48
1-1/2"	7.63	30.50	108.96
2"	8.70	34.79	124.25

H. Impact Wrenches

3/8" to 1/2"	7.63	30.53	109.02
3/4"	12.81	51.21	182.92

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
1" to 1-1/4"	24.42	97.66	348.79
1-3/8" to 1-1/2"	35.13	140.50	501.81
1-1/4" to 1-1/2" # 5 Spline, Reversible	31.32	125.29	447.46
1-1/4" to 1-3/8" #5 Spline, Torque Control	39.35	157.40	562.15
I. Jackhammers/Rock Drills			
to 25 lbs	23.47	93.92	335.42
26 to 30 lbs	25.72	102.90	367.49
31 to 45 lbs	28.79	115.18	411.35
46 lbs and over	29.24	116.96	417.71
J. Line Oiler	0.19	0.74	2.67
K. Movers, Air			
1200 cfm	13.80	55.20	197.11
3000 cfm	15.84	63.36	226.30
L. Nailers			
Framing	2.07	8.29	29.61
Finishing	1.86	7.46	26.62
Roofing	2.28	9.13	32.60
Concrete	14.36	57.43	205.11
M. Rammers/Tampers	18.12	72.49	258.87
N. Scabblers (Hand Held & Hand Truck Mounted)			
Single Piston	12.36	49.46	176.67
3 Head Wall	15.50	61.99	221.42
5 Head Floor	72.32	289.29	1,033.18
O. Scalers (All)	18.77	75.09	268.17
SECTION 2: BENDERS			
A. Electric			
1/2" to 2"	53.01	212.03	757.25

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
B. Hydraulic			
1/2" to 2" with hand pump	11.76	47.06	168.07
1/2" to 2" with electric pump	17.60	70.41	251.49
1-1/4" to 5"	64.91	259.63	927.23

C. Mechanical			
1/2" to 2"	32.22	128.88	460.29

D. PVC			
1/2" to 6"	26.83	107.31	383.23

E. Ironworkers			
Piranha P-50	96.71	386.85	1,381.60

SECTION 3: BEVELING MACHINE, FLAMECUT

4" to 8"	14.42	57.66	205.93
8" to 12"	21.21	84.83	302.98
14" to 20"	16.34	65.36	233.43

SECTION 4: BLOWERS/FANS

A. Blowers			
to 8"	8.85	35.42	126.49
10" to 12"	15.66	62.65	223.76
24"	18.96	75.83	270.81
36"	25.33	101.31	361.83

B. Ducts, Air Delivery (10' Lengths)			
8" x 8"	14.56	58.25	208.03

C. Fans, Coolers			
24" Pedestal Type	10.91	43.63	155.83

D. Fans, Exhaust			
24" Propeller	18.86	75.44	269.44
36" Propeller	27.27	109.08	389.57

E. Manhole Ventilation Blower	5.21	20.83	74.41
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
F. Portable Blower/Vacuum	18.55	74.20	265.00

SECTION 5: BREAKERS, PAVEMENT

A. Air

to 40 lbs	13.00	52.02	185.81
41 to 55 lbs	14.18	56.74	202.64
56 to 70 lbs	14.75	59.00	210.73
80 to 90 lbs	15.69	62.75	224.09

B. Electric

to 40 lbs	19.66	78.63	280.82
41 to 55 lbs	20.05	80.19	286.38
56 to 70 lbs	25.36	101.45	362.31
80 to 90 lbs	37.44	149.74	534.80

C. Gas

56 to 70 lbs	48.50	193.98	692.79
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D. Hydraulic

to 40 lbs	17.97	71.87	256.67
41 to 55 lbs	18.76	75.05	268.05
56 to 70 lbs.	25.81	103.22	368.65

SECTION 6: COMPACTION EQUIPMENT

A. Plate Compactors, Vibratory, Gas

17" Plate Width	54.99	219.98	785.64
21" Plate Width	71.03	284.11	1,014.70
25" Plate Width	98.33	393.33	1,404.76

B. Plate Compactors, Vibratory, Diesel

21" Plate Width	91.36	365.43	1,305.09
25" Plate Width	221.51	886.05	3,164.45
33" Plate Width	400.90	1,603.58	5,727.09

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
C. Tampers, Hand-Held (“Rammers”), Gas			
4” to 13” Shoe Size	72.95	291.80	1,042.14
13.5” to 17” Shoe Size	82.57	330.29	1,179.61

SECTION 7: CONDUCTOR STRINGING

A. Cable Puller with Reel Winder

to 6,000 lbs	42.48	169.91	606.82
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B. Single Puller

to 5,000 lbs	36.16	144.63	516.54
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C. Vacuum Fishing System

	13.28	53.13	189.74
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SECTION 8: CONVEYORS

A. Belt, Portable

Electric

18” x 12’	18.88	75.50	269.65
18” x 15’	37.80	151.22	540.07
18” x 27’	65.40	261.59	934.25

B. Double Chain Elevator, Portable

16’ to 32’	66.22	264.88	946.00
40’	84.12	336.48	1,201.70

C. Gravity, Skate Wheel

12” x 10’	1.25	4.98	17.79
18” x 10’	1.63	6.53	23.31

SECTION 9: COPPER HANDLING TOOLS

A. Cleaning Machine, Electric

	11.62	46.49	166.02
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B. Cutting Machine, Electric

1/2” to 4” with Stand	7.39	29.55	105.52
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
C. ProPress Machines			
Ridgid ProPress 100B	20.12	80.47	287.41
Ridgid ProPress 320E	25.83	103.31	368.98
Ridgid ProPress CT400	28.53	114.14	407.63
D. Strap Bender	3.05	12.22	43.64
E. Strapmaster/Bohn Combi	5.93	23.72	84.73
SECTION 10: CUTTERS			
A. Angle Iron			
2" x 2" x 1/4"	6.62	26.48	94.57
3" x 3" x 3/8"	11.76	47.05	168.05
B. Bolt or Reinforcing Rod	10.17	40.67	145.24
C. Cable			
Hydraulic	25.35	101.40	362.13
Manual	1.86	7.43	26.53
D. Glass			
1-1/2" to 6"	12.29	49.17	175.60
E. Metal Shears, Electric			
12 gauge	8.28	33.13	118.32
16 gauge	6.75	27.01	96.46
18 gauge	5.22	20.87	74.54
F. Nibblers, Electric			
8 gauge	13.29	53.14	189.80
16 gauge	8.35	33.41	119.34
G. Nut Splitter, Hydraulic (Less Pump)	3.63	14.53	51.89

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
H. Pipe & Conduit			
1/8" to 1-1/4" capacity	4.71	18.83	67.26
1/2" to 2" capacity	4.72	18.88	67.43
2-1/2" to 4" capacity	6.88	27.52	98.29
2-1/4" to 4" capacity (Geared)	33.77	135.07	482.39
4" to 6" capacity	13.82	55.29	197.46
I. Roller			
3/4" to 4"	34.12	136.48	487.44
3/4" to 6"	52.10	208.40	744.28
J. Saran			
1/2" to 2"	20.24	80.98	289.20
2" to 6"	33.91	135.64	484.44
K. Soil Pipe			
2" to 6" Mechanical	9.83	39.31	140.41
6" to 12" Hydraulic	19.67	78.66	280.93
6" to 18" Hydraulic	28.04	112.16	400.58
24" Hydraulic	31.03	124.13	443.32
L. Transite			
4" to 8" Reed ACC-2	13.07	52.29	186.75
8" to 16" Reed ACC-3	14.67	58.66	209.50
M. Freeze Kit			
Ridgid SF-2500 Superfreeze	35.57	142.29	508.19

SECTION 11: DRILLS

A. Air Drills

3/8"	4.11	16.45	58.75
3/8" Reversing	4.51	18.06	64.50
1/2"	6.57	26.26	93.79
1/2" Reversing	6.74	26.95	96.25

Owning & Operating Rate
 Day \$ Week \$ Month \$

B. Cordless

3/8" Variable	6.38	25.53	91.16
3/8" Variable Hammer	8.09	32.36	115.57
3/8" 2-Speed Variable	8.32	33.29	118.89
1/2" Variable Speed	8.49	33.97	121.31
1/2" Variable Hammer	10.18	40.72	145.42
1/2" 2-Speed Variable	9.92	39.70	141.78

C. Diamond Core, Electric (Less Bits)

Mechanical Hold Down	46.75	187.00	667.85
Vacuum Hold Down	53.50	213.99	764.26

D. Diamond Core Bits

3/4" to 1"	4.87	19.50	69.64
1-1/4" to 1-3/4"	7.14	28.54	101.95
2"	9.49	37.94	135.51
3"	14.00	56.00	200.00
4"	17.38	69.51	248.24
5"	18.59	74.37	265.59
6"	21.99	87.95	314.10
7"	22.35	89.39	319.25
8"	22.72	90.86	324.51
9"	26.17	104.69	373.89
10"	33.77	135.09	482.46
12"	41.75	166.99	596.40

E. Electric Hand-held

1/4" Variable Speed Reversing	11.92	47.68	170.28
3/8" Variable Speed Reversing	7.65	30.60	109.28
1/2" Variable Speed Reversing	8.46	33.86	120.91
1/2" Right Angle Reversing	12.90	51.61	184.32
1/2" D-Handle Reversing	10.78	43.11	153.95
3/4" Variable Speed Reversing	11.25	44.99	160.70
3/4" D-Handle Reversing	23.00	91.98	328.51
3/4" Continuous Production	20.66	82.62	295.08

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
1" Variable Speed Reversing	20.88	83.51	298.26
1-1/4" Continuous Production	21.29	85.17	304.16
F. Presses, Electric			
1/2" Magnetic Base	19.79	79.16	282.73
3/4" Magnetic Base	23.95	95.81	342.19
1-1/4" to 2" Magnetic Base	39.19	156.77	559.88
13" to 16" Floor Stand (5 Speed)	8.67	34.69	123.90
15" Floor Stand (Variable Speed)	25.01	100.03	357.25
20" Floor Stand (5 or 9 Speed)	15.91	63.65	227.32
20" Floor Stand (Variable Speed)	39.75	159.00	567.87
G. Stands			
Adjustable Base Magnetic (Less Drill)	16.10	64.39	229.95
H. Hammer Drills, Electric			
Percussion—3/4" (2,000 BPM/10 amp)	26.62	106.48	380.29
Percussion—1/4" - 2-1/2" (2,000 BPM/13 amp)	35.35	141.40	505.00
Rotary—3/4" (5,000 BPM/6 amp)	18.98	75.92	271.14
Rotary—7/8" (5,000 BPM/5 amp)	19.71	78.85	281.59
Rotary—1" (6,000 BPM/6 amp)	24.15	96.61	345.03
Rotary—1-1/4" (6,000 BPM/6 amp)	24.25	96.99	346.38
Rotary—1-1/2" (8,500 BPM/8.5 amp)	29.77	119.07	425.25
Rotary—2" (10,000 BPM/10 amp)	24.60	98.40	351.43
I. Hammer Drills, Hydraulic			
All	36.27	145.07	518.10
J. Hot Tap Drill Kit			
1/2" to 2"	4.58	18.30	65.37
K. T-Drill			
T-Drill Industries Model T-60	53.81	215.23	768.70

Owning & Operating Rate
Day \$ Week \$ Month \$

SECTION 12: EARTH AUGERS

A. Gasoline

One and Two Man Operation	24.47	97.86	349.51
Mobile Trailer Mounted	76.37	305.47	1,090.97
Mobile Wheel Mounted	36.79	147.15	525.54

B. Hydraulic

One and Two Man Operation	57.08	228.34	815.49
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SECTION 13: EARTHMOVING

A. CABS-ROPS Attachments	8.77	35.10	125.35
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B. Crawler Loaders

to 59 hp	521.88	2,087.53	7,455.47
60 to 74 hp	629.79	2,519.14	8,996.94
75 to 104 hp	931.78	3,727.12	13,311.15
105 to 129 hp	996.18	3,984.72	14,231.16
130 to 189 hp	1,549.75	6,199.01	22,139.32
190 hp and over	2,184.93	8,739.70	31,213.22

C. Crawler Loaders—Low Ground Pressure

60 to 74 hp	606.19	2,424.74	8,659.80
75 to 104 hp	821.40	3,285.60	11,734.27
105 to 129 hp	946.76	3,787.05	13,525.17
130 to 189 hp	1,848.21	7,392.85	26,403.03
190 hp and over	2,224.72	8,898.89	31,781.74

D. Crawler Tractors

to 59 hp	585.77	2,343.07	8,368.10
60 to 74 hp	645.04	2,580.15	9,214.81
75 to 84 hp	793.39	3,173.57	11,334.19
85 to 104 hp	893.59	3,574.36	12,765.58

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
105 to 129 hp	1,021.99	4,087.96	14,599.87
130 to 159 hp	1,379.18	5,516.72	19,702.56
160 to 189 hp	1,611.05	6,444.21	23,015.02
190 to 259 hp	2,066.23	8,264.93	29,517.60
260 to 359 hp	2,857.56	11,430.23	40,822.24
360 to 519 hp	3,419.28	13,677.14	48,846.92
520 hp and over	7,690.89	30,763.57	109,869.91

E. Crawler Tractors—Low Ground Pressure

to 59 hp	612.20	2,448.80	8,745.73
60 to 74 hp	804.84	3,219.35	11,497.66
75 to 84 hp	854.66	3,418.63	12,209.39
85 to 104 hp	937.42	3,749.67	13,391.69
105 to 129 hp	1,066.54	4,266.15	15,236.26
130 to 159 hp	1,417.36	5,669.44	20,248.01
160 to 189 hp	1,360.13	5,440.52	19,430.43
190 to 259 hp	2,260.91	9,043.64	32,298.72

F. Skid Steer Loaders

to 700 lbs	244.81	979.25	3,497.32
701 to 975 lbs	273.20	1,092.81	3,902.91
976 to 1,250 lbs	333.30	1,333.19	4,761.38
1,251 to 1,350 lbs	374.64	1,498.54	5,351.93
1,351 to 1,600 lbs	410.27	1,641.09	5,861.04
1,601 to 1,750 lbs	399.52	1,598.08	5,707.42
1,751 lbs and over	458.80	1,835.21	6,554.31

G. Skid Steer Loader Attachments

Augers	11.03	44.13	157.60
Backhoes	31.93	127.71	456.11
Brooms/Sweepers	22.83	91.34	326.21
Forks	3.01	12.03	42.96
Graders	33.19	132.74	474.08
Grapples	18.87	75.50	269.63
Hammers—Concrete	73.48	293.94	1,049.77
Planers	77.70	310.80	1,110.00

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
Rakes	43.74	174.97	624.90
Rollers	45.74	182.94	653.37
Scarifiers	13.59	54.37	194.19
Trenchers	57.34	229.35	819.10
H. Tractor Loaders			
to 49 hp	296.88	1,187.52	4,241.14
50 to 59 hp	393.22	1,572.87	5,617.41
60 to 69 hp	456.57	1,826.28	6,522.42
70 hp and over	554.52	2,218.07	7,921.69
I. Tractor Loader Backhoes			
under 12'	353.47	1,413.88	5,049.55
12' to under 13'	538.52	2,154.08	7,693.13
13' to under 15'	593.38	2,373.53	8,476.89
15' to under 16'	671.92	2,687.66	9,598.79
16' to under 17'	830.59	3,322.35	11,865.54
17' and over	949.10	3,796.42	13,558.63
J. Trenchers, Cable Plow—Crawler Mounted			
131 hp and over	1,392.13	5,568.50	19,887.52
K. Trenchers, Cable Plow—Wheel Mounted			
to 130 hp	556.26	2,225.06	7,946.64
L. Trenchers, Chain—Crawler Mounted			
to 39 hp	252.13	1,008.52	3,601.85
40 to 130 hp	912.26	3,649.04	13,032.30
131 hp and over	3,741.94	14,967.76	53,456.28
M. Trenchers, Chain—Walk Behind			
to 14 hp	95.65	382.60	1,366.42
15 to 19 hp	175.74	702.95	2,510.55
20 hp and over	280.77	1,123.07	4,010.97

Owning & Operating Rate
Day \$ Week \$ Month \$

N. Trenchers, Chain—Wheel Mounted

	Day \$	Week \$	Month \$
to 39 hp	236.15	944.59	3,373.54
40 to 59 hp	426.99	1,707.96	6,099.85
60 to 75 hp	548.54	2,194.17	7,836.34
76 to 130 hp	818.51	3,274.06	11,693.05

SECTION 14: FASTENERS, POWDER ACTUATED

	Day \$	Week \$	Month \$
1/2" to 2-1/2" Fastener Setting Capacity	12.98	51.94	185.49

SECTION 15: GANG BOXES

	Day \$	Week \$	Month \$
Small—Medium	4.93	19.70	70.36
Large (Knaack 100)	7.25	29.00	103.56

SECTION 16: GENERATORS

A. Large Generator Sets

Gasoline

	Day \$	Week \$	Month \$
25 to 45 kw	322.93	1,291.73	4,613.31
50 to 65 kw	454.56	1,818.23	6,493.69
70 to 85 kw	544.99	2,179.98	7,785.63
100 to 115 kw	713.84	2,855.36	10,197.71
125 kw and over	949.91	3,799.64	13,570.15

Diesel

	Day \$	Week \$	Month \$
25 to 45 kw	284.86	1,139.45	4,069.47
50 to 65 kw	374.37	1,497.47	5,348.11
70 to 85 kw	418.24	1,672.97	5,974.89
85 to 115 kw	529.25	2,116.99	7,560.67
125 to 150 kw	809.56	3,238.23	11,565.11
175 to 200 kw	883.47	3,533.89	12,621.04
250 to 275 kw	1,274.88	5,099.54	18,212.63
300 to 365 kw	1,269.20	5,076.78	18,131.36
400 to 450 kw	1,763.00	7,052.00	25,185.70
500 to 625 kw	2,617.65	10,470.62	37,395.07

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
650 to 750 kw	2,840.18	11,360.73	40,574.05
800 to 900 kw	3,671.82	14,687.27	52,454.52
1,000 kw and over	4,137.84	16,551.37	59,112.04

B. Small Generators

Gasoline

900 to 1,400 watts	25.70	102.80	367.15
1,500 to 1,800 watts	31.72	126.86	453.08
2,000 to 3,000 watts	39.74	158.96	567.73
3,500 to 5,000 watts	58.95	235.79	842.10
5,500 to 9,000 watts	80.30	321.22	1,147.21
10,000 to 11,000 watts	125.61	502.45	1,794.47
12,000 to 20,000 watts	188.48	753.90	2,692.51

Diesel

through 2,500 watts	42.80	171.20	611.43
3,000 to 4,000 watts	56.19	224.76	802.70
5,000 to 6,000 watts	78.33	313.32	1,119.00
7,000 to 9,000 watts	110.63	442.51	1,580.39
10,000 to 14,000 watts	172.39	689.57	2,462.74
15,000 to 20,000 watts	193.61	774.45	2,765.89

SECTION 17: HEATERS, SPACE

A. Forced Air (without LPG)

30,000 to 40,000 btu	9.42	37.66	134.51
60,000 to 75,000 btu	10.15	40.60	145.01
80,000 to 150,000 btu	12.42	49.69	177.45
175,000 to 350,000 btu	21.70	86.80	309.98

B. Oil Fired, High Pressure (without Kerosene)

320,000 btu	40.05	160.21	572.17
650,000 btu	52.33	209.32	747.56

Owning & Operating Rate
Day \$ Week \$ Month \$

C. Oil Fired, Low Pressure (without Kerosene)

50,000 to 55,000 btu	10.10	40.39	144.26
100,000 btu	12.69	50.75	181.26
150,000 btu	14.56	58.23	207.96

D. Radiant (without LPG)

30,000 to 250,000 btu	18.45	73.80	263.58
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SECTION 18: HOISTS

A. Air

Double-Drum

35,000 lbs	775.40	3,101.60	11,077.13
65,000 lbs	1,007.37	4,029.47	14,390.96
125,000 lbs	1,163.96	4,655.86	16,628.07
155,000 lbs	1,354.67	5,418.69	19,352.45
225,000 lbs	1,950.08	7,800.33	27,858.33
300,000 lbs	2,509.07	10,036.29	35,843.88

Triple-Drum

35,000 lbs	1,002.12	4,008.47	14,315.98
65,000 lbs	1,296.02	5,184.08	18,514.58
125,000 lbs	1,461.55	5,846.18	20,879.23
155,000 lbs	1,682.50	6,730.01	24,035.74
225,000 lbs	2,738.21	10,952.83	39,117.25

B. Block & Tackle

1/2" Rope	1.09	4.35	15.54
3/4" Rope	2.12	8.50	30.35
1" Rope	2.83	11.33	40.46

C. Cable, Electric

1 to 11 hp	18.95	75.78	270.66
12 to 17 hp	21.61	86.43	308.67
18 to 27 hp	26.72	106.87	381.68
28 to 37 hp	36.19	144.76	517.01

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
38 to 47 hp	36.43	145.71	520.38
48 to 57 hp	42.54	170.15	607.70
58 to 67 hp	51.30	205.21	732.91
68 to 92 hp	55.40	221.59	791.39
93 to 112 hp	63.66	254.63	909.39

D. Chain

Manual

1/2 ton	2.43	9.74	34.77
1 ton	2.39	9.55	34.10
1-1/2 tons	3.17	12.68	45.29
2 tons	3.96	15.86	56.63
3 tons	3.98	15.91	56.84
4 tons	5.66	22.64	80.86
5 tons	6.70	26.80	95.73
10 tons	16.65	66.61	237.88

Electric

1 ton	18.75	75.01	267.88
2 tons	33.83	135.32	483.29

E. Com-Alongs (Chain & Cable)

1/2 ton	4.19	16.77	59.90
3/4 ton	4.44	17.75	63.40
1 ton	4.60	18.40	65.72
4 tons	8.71	34.83	124.38
6 tons	12.29	49.16	175.58

F. Gasoline (One & Two Drum)

One Drum

14 to 22 hp	14.48	57.93	206.88
23 to 29 hp	15.85	63.39	226.38
30 to 42 hp	22.53	90.11	321.82

Two Drum

28 to 45 hp	33.80	135.19	482.82
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TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
46 to 55 hp	42.19	168.75	602.68
G. Portable Hoist			
500 lbs to 12'	10.62	42.47	151.67
2,000 lbs to 25'	18.70	74.79	267.12
4,000 lbs to 10'	23.05	92.18	329.22
H. Roofer's Hoist			
800 lbs	14.80	59.21	211.46
I. Slings, Cable Choker			
1/4" x 5'	0.44	1.76	6.27
1/4" x 10'	0.55	2.22	7.91
1/4" x 15'	0.56	2.23	7.97
1/4" x 20'	0.56	2.25	8.02
1/2" x 5'	0.57	2.28	8.14
1/2" x 10'	0.58	2.31	8.25
1/2" x 15'	0.57	2.29	8.19
1/2" x 20'	0.67	2.69	9.61
3/4" x 5'	0.71	2.83	10.12
3/4" x 10'	0.74	2.96	10.57
3/4" x 15'	0.78	3.13	11.19
3/4" x 20'	0.82	3.28	11.70
1" x 5'	1.16	4.62	16.50
1" x 10'	1.19	4.78	17.07
1" x 15'	1.20	4.81	17.18
1" x 20'	1.21	4.83	17.24
J. Slings, Nylon			
Rope Sling	1.10	4.40	15.71
K. Winches, Manual			
1 ton	13.57	54.29	193.88
2 tons	16.25	65.00	232.14
L. Winches, Powered			
to 8 hp	13.68	54.73	195.47

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
8 to 12 hp	19.50	77.99	278.54
12 to 20 hp	48.62	194.49	694.62

SECTION 19: JACKS

A. House Jacks, Screw Type

5 to 15 tons	5.26	21.05	75.17
20 to 30 tons	9.31	37.23	132.97

B. Hydraulic Bottle Jacks

Manual

1 to 5 tons	1.68	6.73	24.01
6 to 8 tons	2.00	7.98	28.51
11 to 12 tons	4.71	18.82	67.22
13 to 20 tons	5.03	20.13	71.87
26 to 30 tons	8.20	32.80	117.12

C. Hydraulic Ram Jacks (without Pump)

to 1-1/2 tons	1.99	7.97	28.46
3 to 5 tons	2.22	8.86	31.65
8 to 10 tons	4.54	18.16	64.86
12 to 20 tons	4.75	19.00	67.85
30 tons	9.24	36.94	131.93
50 tons	9.93	39.72	141.86
100 tons	14.45	57.79	206.41

D. Locomotive/Bell Bottom

to 15 tons	9.73	38.92	138.99
16 to 20 tons	12.19	48.76	174.14

SECTION 20: LADDERS

A. Extension

20'	4.82	19.28	68.85
24'	5.11	20.45	73.03
28'	5.92	23.67	84.53

TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
32'	6.58	26.33	94.04
40'	8.63	34.51	123.26

B. Step (with Safety Shoes)

6'	3.59	14.36	51.28
8'	4.01	16.04	57.29
10'	4.40	17.61	62.89
12'	5.22	20.89	74.60
14'	6.55	26.21	93.62
16'	7.67	30.68	109.57

SECTION 21: LEVELS

A. Builders Level with Tripod	20.25	81.00	289.29
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B. Laser Level

Builders	38.27	153.08	546.72
Pipe & Sewer	59.74	238.95	853.40

SECTION 22: LIFTING EQUIPMENT

A. Aerial Lifts, Articulating Boom, Push Type

Maximum Platform Height

to 20'	68.64	274.57	980.61
21 to 30'	106.60	426.41	1,522.88
31 to 40'	265.74	1,062.95	3,796.26

B. Aerial Lifts, Articulating Boom, Self-Propelled

Electric Maximum Platform Height

to 20'	50.68	202.71	723.96
21 to 30'	158.09	632.37	2,258.45
31 to 40'	220.37	881.47	3,148.11
41 to 50'	233.62	934.49	3,337.46

Gas/Diesel Maximum Platform Height

to 30'	192.01	768.04	2,743.00
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
31 to 40'	362.21	1,448.82	5,174.37
41 to 50'	509.22	2,036.84	7,274.44
51 to 60'	626.78	2,507.11	8,953.95
61 to 70'	729.02	2,916.09	10,414.61
71 to 90'	740.73	2,962.92	10,581.87
101' and over	1,084.96	4,339.86	15,499.50

C. Aerial Lifts, Scissors, Push Type

Maximum Platform Height

to 20'	92.72	370.86	1,324.51
21 to 30'	118.43	473.73	1,691.88
31 to 40'	179.45	717.78	2,563.51

D. Aerial Lifts, Scissors, Self-Propelled

Electric Maximum Platform Height

to 20'	92.72	370.86	1,324.51
21 to 30'	118.43	473.73	1,691.88
31' and over	179.45	717.78	2,563.51

Gas/Diesel Maximum Platform Height

to 20'	240.01	960.05	3,428.75
21 to 30'	309.14	1,236.56	4,416.29
31' and over	387.97	1,551.87	5,542.39

E. Aerial Lifts, Telescopic Boom, Push Type

Maximum Platform Height

to 20'	77.73	310.92	1,110.43
21 to 30'	117.05	468.18	1,672.08
31 to 40'	158.48	633.92	2,264.01

F. Aerial Lifts, Telescopic Boom, Self-Propelled

Electric Maximum Platform Height

to 20'	141.77	567.07	2,025.26
21 to 30'	219.02	876.07	3,128.84
31 to 40'	250.62	1,002.46	3,580.23
41 to 50'	553.80	2,215.19	7,911.39

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
<i>Gas/Diesel</i>			
<i>Maximum Platform Height</i>			
21 to 30'	423.27	1,693.10	6,046.77
31 to 40'	549.08	2,196.31	7,843.95
41 to 50'	459.09	1,836.37	6,558.48
51 to 60'	867.29	3,469.18	12,389.91
61 to 70'	841.26	3,365.05	12,018.04
71 to 80'	1,166.49	4,665.96	16,664.13
81 to 90'	1,139.14	4,556.54	16,273.36
101' and over	1,309.25	5,236.99	18,703.54
G. Cranes, Hydraulic, All-Terrain			
to 24.9 metric tons	1,377.76	5,511.05	19,682.31
25.0 to 34.9 metric tons	2,054.11	8,216.44	29,344.43
H. Cranes, Hydraulic, Flatbed Truck Mounted			
to 18,000 lbs	795.43	3,181.74	11,363.35
18,001 to 24,000 lbs	936.32	3,745.27	13,375.96
24,001 to 30,000 lbs	997.16	3,988.64	14,245.16
30,001 to 36,000 lbs	1,087.57	4,350.27	15,536.68
36,001 to 42,000 lbs	1,097.56	4,390.23	15,679.40
42,001 lbs and over	1,374.82	5,499.27	19,640.26
I. Cranes, Hydraulic, Rough-Terrain			
to 9.9 metric tons	643.18	2,572.74	9,188.35
10.0 to 16.9 metric tons	1,263.64	5,054.57	18,052.05
17.0 to 24.9 metric tons	1,144.94	4,579.75	16,356.24
25.0 to 29.9 metric tons	1,772.25	7,089.02	25,317.92
30.0 to 34.9 metric tons	1,701.46	6,805.84	24,306.56
35.0 to 39.9 metric tons	1,787.60	7,150.41	25,537.17
40.0 to 49.9 metric tons	1,939.16	7,756.63	27,702.25
50.0 to 65.9 metric tons	2,062.45	8,249.79	29,463.52
66.0 to 80.9 metric tons	2,102.75	8,410.99	30,039.25
81.0 metric tons and over	2,884.87	11,539.49	41,212.46

Owning & Operating Rate
Day \$ Week \$ Month \$

J. Cranes, Hydraulic, Truck (Integral Mounted)

Diesel-Single Engine

to 16.9 metric tons	1,614.35	6,457.39	23,062.12
17.0 to 24.9 metric tons	1,624.07	6,496.29	23,201.04
25.0 to 29.9 metric tons	1,660.86	6,643.45	23,726.62
30.0 to 34.9 metric tons	1,892.73	7,570.94	27,039.06
35.0 to 39.9 metric tons	1,926.02	7,704.06	27,514.50
40.0 to 49.9 metric tons	2,388.01	9,552.04	34,114.44
50.0 to 80.9 metric tons	2,814.89	11,259.55	40,212.69
81.0 to 110.9 metric tons	3,602.44	14,409.75	51,463.38

K. Cranes, Hydraulic, Yard/Industrial

to 9.9 metric tons	590.27	2,361.07	8,432.39
10.0 to 14.9 metric tons	757.15	3,028.60	10,816.42

L. Cranes, Lattice Boom, Crawler

to 40.9 metric tons	2,599.49	10,397.95	37,135.52
41.0 to 67.9 metric tons	3,070.50	12,281.98	43,864.22
68.0 to 80.9 metric tons	3,167.18	12,668.72	45,245.43
81.0 to 107.9 metric tons	3,303.90	13,215.61	47,198.61
108.0 to 149.9 metric tons	4,524.08	18,096.32	64,629.73
150.0 metric tons and over	4,882.88	19,531.51	69,755.41

M. Cranes, Lattice Boom, Truck

35.0 to 49.9 metric tons	2,248.57	8,994.26	32,122.36
50.0 to 74.9 metric tons	2,314.08	9,256.34	33,058.35
75.0 to 149.9 metric tons	3,552.88	14,211.53	50,755.45
150.0 to 199.9 metric tons	4,024.17	16,096.67	57,488.10
200.0 to 299.9 metric tons	5,487.54	21,950.17	78,393.48

SECTION 23: LIGHTING EQUIPMENT

A. Floodlights (110 to 120 Volt AC)

300 watt Tripod (Quartz)	6.73	26.93	96.19
500 watt Tripod (Quartz)	8.04	32.16	114.84
1,000 watt Tripod (Quartz)	8.87	35.49	126.76

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
1,000 watt Cart (Metal Halide)	16.50	65.98	235.64
1,500 watt Cart (Metal Halide)	27.33	109.32	390.41
2,000 watt Cart (Metal Halide)	48.26	193.04	689.41
2,000 watt Cart w/ Gas Generator (Metal Halide)	58.58	234.31	836.83
2,000 watt Tripod (Quartz)	15.86	63.43	226.55

B. Light Towers, Trailer Mounted *Mounted Gas*

2,000 watt with 20' Tower	90.63	362.53	1,294.75
2,000 watt with 28' Tower	129.15	516.60	1,844.99

Diesel

2,000 watt with 20' Tower	110.08	440.30	1,572.50
4,000 watt with 30' Tower	191.04	764.18	2,729.21
6,000 watt with 30' Tower	225.85	903.41	3,226.48

SECTION 24: MATERIAL HANDLING

A. Beam Trolleys

Dollies

Small	2.27	9.09	32.46
Large	3.51	14.05	50.17
Machinery	9.86	39.43	140.83

Dutchman

Pry Bar, Wheel Type	10.93	43.71	156.11
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B. Forklifts, Rough-Terrain, Straight Mast

Gasoline

to 4,999 lbs	473.31	1,893.24	6,761.58
5,000 to 5,999 lbs	606.20	2,424.82	8,660.06
6,000 to 7,999 lbs	579.74	2,318.95	8,281.95
8,000 to 9,999 lbs	611.88	2,447.51	8,741.09
10,000 to 12,000 lbs	669.93	2,679.72	9,570.44

Diesel

to 4,999 lbs	414.16	1,656.66	5,916.64
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
5,000 to 5,999 lbs	508.67	2,034.70	7,266.79
6,000 to 7,999 lbs	507.00	2,028.01	7,242.88
8,000 to 9,999 lbs	533.13	2,132.54	7,616.20
10,000 to 12,999 lbs	624.39	2,497.56	8,919.85

C. Forklifts, Rough-Terrain, Telescoping Boom

to 5,999 lbs	498.39	1,993.55	7,119.84
6,000 to 6,999 lbs	763.44	3,053.78	10,906.35
7,000 to 7,999 lbs	687.37	2,749.48	9,819.57
8,000 to 8,999 lbs	770.33	3,081.34	11,004.78
9,000 to 9,999 lbs	814.65	3,258.58	11,637.80
10,000 to 10,999 lbs	813.10	3,252.41	11,615.77
11,000 lbs and over	1,368.08	5,472.32	19,543.99

D. Forklifts, Warehouse, Cushion Tire

Electric

2,000 to 2,999 lbs	121.62	486.47	1,737.38
3,000 to 3,999 lbs	131.62	526.46	1,880.23
4,000 to 4,999 lbs	134.42	537.69	1,920.34
5,000 to 5,999 lbs	157.06	628.25	2,243.74
7,000 lbs and over	221.19	884.74	3,159.80

Gas/Diesel

2,000 to 2,499 lbs	119.62	478.47	1,708.82
2,500 to 2,999 lbs	142.90	571.61	2,041.47
3,000 to 3,999 lbs	149.00	596.02	2,128.64
4,000 to 4,999 lbs	195.52	782.06	2,793.08
5,000 to 5,999 lbs	226.05	904.18	3,229.22
6,000 to 6,999 lbs	241.39	965.55	3,448.38
7,000 to 7,999 lbs	276.49	1,105.94	3,949.80
8,000 to 8,999 lbs	292.64	1,170.57	4,180.62
9,000 to 11,999 lbs	319.14	1,276.57	4,559.18
12,000 to 12,999 lbs	369.13	1,476.52	5,273.27
13,000 to 14,999 lbs	440.96	1,763.86	6,299.49
15,000 lbs and over	560.24	2,240.94	8,003.37

Owning & Operating Rate
Day \$ Week \$ Month \$

E. Forklifts, Warehouse, Pneumatic Tire

Gasoline

2,000 to 2,499 lbs	134.11	536.44	1,915.87
2,500 to 2,999 lbs	157.18	628.73	2,245.47
3,000 to 3,999 lbs	169.71	678.85	2,424.47
4,000 to 4,999 lbs	204.20	816.79	2,917.11
5,000 to 5,999 lbs	215.03	860.11	3,071.81
6,000 to 6,999 lbs	237.57	950.28	3,393.85
7,000 to 7,999 lbs	294.95	1,179.82	4,213.63
8,000 to 8,999 lbs	314.57	1,258.26	4,493.79
9,000 to 10,999 lbs	341.64	1,366.55	4,880.52
11,000 to 12,999 lbs	375.94	1,503.76	5,370.56
13,000 to 15,999 lbs	415.21	1,660.85	5,931.60
16,000 to 19,999 lbs	424.64	1,698.57	6,066.33
20,000 to 29,999 lbs	517.10	2,068.39	7,387.12

Diesel

3,000 to 3,999 lbs	144.09	576.36	2,058.44
4,000 to 4,999 lbs	215.81	863.23	3,082.97
5,000 to 5,999 lbs	254.86	1,019.44	3,640.86
6,000 to 6,999 lbs	260.14	1,040.55	3,716.24
7,000 to 7,999 lbs	266.65	1,066.59	3,809.24
8,000 to 8,999 lbs	312.32	1,249.29	4,461.74
9,000 to 10,999 lbs	319.63	1,278.53	4,566.16
11,000 to 12,999 lbs	368.85	1,475.39	5,269.24
13,000 to 15,999 lbs	419.39	1,677.57	5,991.33
16,000 to 19,999 lbs	456.26	1,825.04	6,518.00
20,000 to 29,999 lbs	517.02	2,068.09	7,386.03
30,000 to 49,999 lbs	615.85	2,463.39	8,797.82
50,000 to 69,999 lbs	952.37	3,809.48	13,605.30

F. Material Lifts, Duct Lifters 42.83 171.30 611.80

G. Material Lifts, Roll-A-Lifts

Rolling Jack	21.13	84.50	301.79
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
H. Material Lifts, Roust-A-Bouts			
15'	65.43	261.73	934.74
20'	73.78	295.13	1,054.03
25'	80.50	321.98	1,149.94
I. Pallet Jacks			
4,000 lbs	14.51	58.05	207.32
6,000 lbs	25.88	103.52	369.71
J. Ramp, Loading (Metal)	11.29	45.18	161.35
K. Rolls, Express (Hilman Rollers)			
3 ton capacity	19.26	77.02	275.07
8 ton capacity	20.40	81.59	291.39
15 ton capacity	20.58	82.33	294.04
25 ton capacity	28.24	112.96	403.44
40 ton capacity	33.52	134.07	478.83
100 ton capacity	44.72	178.88	638.87
SECTION 25: OFFICE EQUIPMENT			
A. Adding Machine	1.94	7.76	27.73
B. Air Conditioner			
Office	9.52	38.08	136.00
Portable	13.23	52.93	189.03
Spot Cooler, 2 Ton	50.00	200.01	714.32
Spot Cooler, 5 Ton	74.30	297.19	1,061.39
Spot Cooler, 12 Ton	132.58	530.34	1,894.06
C. Answering Machine	2.12	8.46	30.22
D. Blue Print Machine	51.88	207.51	741.11
E. Calculator	1.48	5.90	21.07

TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
F. Check Protector	4.66	18.65	66.60
G. Computer			
PC with Monitor	3.28	13.12	46.86
H. DIM/DC Storage & Collaboration			
Stores BIM/VDC Models	95.04	308.14	1,357.65
I. Copier (Black and White, No Printing Functionality)			
Table Top	4.53	18.12	64.71
High Production Floor Type	20.51	82.06	293.06
J. Desk and Chair	2.72	10.88	38.84
K. Drafting Table with Chair	2.55	10.20	36.44
L. Fax Machine	2.60	10.42	37.21
M. File Cabinet	2.61	10.42	37.22
N. Printer			
Inkjet	4.01	16.02	57.23
Laser	6.51	26.04	93.01
Dot Matrix	0.91	3.65	13.03
O. Telephone			
Smart Phone (data plan included)	0.80	3.20	11.42
Office Touch Tone & VOIP	0.47	1.86	6.65
P. Typewriter, Electric	1.32	5.28	18.85
Q. Water Dispenser (Cooler)	1.90	7.61	27.17

Owning & Operating Rate
 Day \$ Week \$ Month \$

SECTION 26: PAINTING EQUIPMENT

A. Paint Tanks

2 gallon	1.81	7.25	25.88
5 gallon	4.42	17.70	63.20
10 gallon	7.20	28.81	102.88

B. Rig with Compressor, Pot, Hose, & Gun

8 cfm	11.14	44.58	159.21
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C. Sprayers, Airless with Gun & Hose (Self-contained)

Electric	10.65	42.61	152.19
Gasoline	14.12	56.47	201.68

SECTION 27: PIPE PUSHERS

Hydraulic	35.57	142.26	508.07
Manual	16.82	67.27	240.25

SECTION 28: PIPE THREADING & CUTTING MACHINES

A. Pipe Cutting & Power Threading Machines (Less Heads)

1/2" to 3/4" Portable	16.81	67.25	240.18
1/2" to 1" Portable	18.20	72.80	260.00
1/8" to 2" (Ridgid 300 or similar)	25.61	102.43	365.84
1/8" to 2" (Ridgid 535 or Collins 22A or similar)	34.78	139.12	496.87
1/4" to 4"	39.33	157.32	561.84
2-1/2" to 6"	57.30	229.22	818.64
1-1/4" to 31" (Watts W132-LPSC)	160.67	642.69	2,295.31
Ridgid 600 Power Drive	14.77	59.09	211.03
Ridgid 700 Power Drive	18.70	74.78	267.08

B. Pipe Stands

Ball Transfer, Tripod	1.79	7.17	25.62
V-Head, Tripod	1.07	4.29	15.32
Victaulic VAPS112 Adjustable Pipe Stand	32.06	128.24	458.01

Owning & Operating Rate
 Day \$ Week \$ Month \$

C. Pipe Threading Heads (Less Dies)

1/2" to 3/4"	1.98	7.91	28.24
1/4" to 1"	2.08	8.32	29.70
1/8" to 2"	2.59	10.35	36.97
3/4" to 2" Beveling and Grooving	6.44	25.75	91.98
1" to 2" Geared	4.63	18.54	66.20
2-1/2" to 4" Geared	12.26	49.03	175.12
2-1/2" to 4" Beveling and Grooving	6.51	26.03	92.97
4" to 6" Geared	19.73	78.93	281.89

D. Pipe Threaders, Manual

Drop Head Ratchet	2.80	11.18	39.94
3-Way Threaders	1.50	5.99	21.39

E. Victaulic Cut Grooving Machines

VG26GD/MRL (with Power Mule)	76.89	307.57	1,098.47
VG28GD (with Power Mule)	65.24	260.94	931.93
VG412 Orbital (with Power Drive and Stand)	64.85	259.41	926.46
VG824 (with Power Mule)	92.25	368.99	1,317.81
VG824/MRL (with Power Mule)	106.08	424.32	1,515.42

F. Victaulic Roll Grooving Machines

VE12 or VE26	7.40	29.58	105.66
VE226	24.94	99.77	356.32
VE260 (with Motor)	68.61	274.44	980.15
VE260FS (with Power Drive and Stand)	57.75	230.99	824.97
VE272FS (with Power Drive and Stand)	40.64	162.56	580.56
VE416FS (with Power Drive and Stand)	82.57	330.30	1,179.63
Vic-Easy Adjustable Pipe Stand	21.24	84.94	303.36

SECTION 29: PLUMBERS EQUIPMENT

A. Flaring Tool	0.80	3.21	11.48
B. Lead Pot	1.10	4.39	15.69

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
C. Pipe Cutters, Hand	1.73	6.95	24.81
D. Pipe Reamers	1.27	5.10	18.19
E. Root & Sludge Cutters			
1/2" x 75"	15.97	63.89	228.16
3/4" x 80"	23.08	92.31	329.69
F. Sewer Plugs			
Single 4"	2.61	10.46	37.33
Single 6"	3.62	14.49	51.76
Double 4"	4.47	17.85	63.76
Double 6"	5.84	23.37	83.46
G. Snakes			
Hand Held 3/8" x 35' Cable	9.02	36.08	128.87
3/4" to 4" Line, 5/16" x 25' Cable	14.23	56.93	203.33
1-1/4" to 4" Line, 7/8" x 75' Cable	19.58	78.31	279.69
2" to 8" Line, 1-1/4" x 105' Cable	31.29	125.16	447.02
3" to 10" Line, 5/8" x 100' Cable	22.23	88.90	317.52
H. Soldering Irons			
Hand	0.36	1.46	5.21
Electric Gun Type	2.23	8.91	31.82
I. Test Balls			
3/4" to 1-1/2"	0.34	1.36	4.84
2" to 3"	0.45	1.81	6.48
4"	0.58	2.30	8.21
5"	4.06	16.26	58.08
6"	5.29	21.12	75.45
J. Torch (Propane)	6.21	24.85	88.77

Owning & Operating Rate
Day \$ Week \$ Month \$

SECTION 30: PUMPS

A. Air Pumps

1/2" Diaphragm	13.87	55.47	198.11
1" Diaphragm	16.02	64.10	228.92
2" Diaphragm	16.40	65.58	234.22
2" Rotary Vane	23.41	93.63	334.41
2-1/2" Rotary Vane	22.83	91.30	326.09
2-1/2" Sludge Pump	13.87	55.47	198.11

B. Allegro 9878

Air

100 cfm	21.53	86.11	307.55
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C. Centrifugal

Gasoline

1-1/2"	98.02	392.06	1,400.22
2"	112.84	451.37	1,612.03
3"	175.00	700.00	2,500.02
4"	329.36	1,317.43	4,705.10
6"	578.62	2,314.47	8,265.97
8"	609.93	2,439.71	8,713.27

Diesel

3"	119.13	476.52	1,701.86
4"	317.55	1,270.22	4,536.50
6"	406.97	1,627.87	5,813.81
8"	446.81	1,787.24	6,383.01

D. Diaphragm

Gasoline

2"	98.45	393.80	1,406.42
3"	101.65	406.62	1,452.21
4"	144.60	578.41	2,065.74

Owning & Operating Rate

Day \$ Week \$ Month \$

Diesel

2"	129.71	518.83	1,852.95
3"	133.60	534.40	1,908.57
4"	142.66	570.64	2,038.02

Electric

2"	64.08	256.31	915.39
3"	85.26	341.05	1,218.02
4"	85.10	340.42	1,215.78

E. Hydraulic Pumps (Power Units)

Air, 9 cfm	8.12	32.48	115.99
Air, 12 cfm	8.97	35.86	128.08
Electric, 1/2 hp	6.33	25.31	90.41
Electric, 1 hp	6.56	26.23	93.68
Gas, 2-1/2 hp	25.02	100.07	357.38
Gas, 4 hp	27.51	110.06	393.06
Hand, 1-Speed	3.25	13.02	46.49
Hand, 2-Speed (200/10,000 psi)	3.82	15.27	54.55
Hand, 2-Speed (400/10,000 psi)	4.19	16.78	59.92

F. Pump Hose, Discharge (ID x Length)

1-1/2" x 50'	2.49	9.96	35.56
2" x 50'	2.93	11.71	41.82
3" x 50'	4.82	19.28	68.86
4" x 50'	7.46	29.82	106.51
6" x 50'	19.76	79.02	282.21

G. Pump Hose, Suction (ID x Length)

1-1/2" x 25'	2.38	9.54	34.07
2" x 25'	2.73	10.91	38.97
3" x 25'	4.12	16.47	58.82
4" x 25'	4.79	19.18	68.48
6" x 25'	18.56	74.24	265.15

Owning & Operating Rate
 Day \$ Week \$ Month \$

H. Submersible, Electric (230 or 460 Volts)

1-1/4" (115v)	35.85	143.38	512.09
2"	42.86	171.44	612.29
3"	73.49	293.96	1,049.85
4"	184.68	738.69	2,638.18
4" Trash	98.59	394.38	1,408.48
6"	344.08	1,376.31	4,915.40
6" Trash	156.54	626.17	2,236.32
8"	501.16	2,004.66	7,159.49
8" Trash	394.47	1,577.87	5,635.25
10" Trash	340.90	1,363.61	4,870.04

I. Test

Electrically Operated	7.21	28.85	103.03
Electrically Operated, Hydraulic	55.64	222.57	794.89
Electrically Operated, Vacuum	53.32	213.30	761.77
Electrically Operated, High Vacuum	60.87	243.47	869.53
Air Operated	7.55	30.20	107.87
Gas Operated	82.48	329.93	1,178.32

J. Trash, Self-Priming

Gasoline

1-1/2"	76.95	307.79	1,099.25
2"	116.83	467.32	1,669.00
3"	120.13	480.51	1,716.11
4"	213.72	854.89	3,053.18
6"	622.53	2,490.14	8,893.35

Diesel

2"	111.81	447.22	1,597.23
3"	121.37	485.46	1,733.79
4"	219.04	876.17	3,129.19
6"	372.86	1,491.45	5,326.59
8"	610.37	2,441.47	8,719.55
10"	661.78	2,647.11	9,453.96

Owning & Operating Rate
Day \$ Week \$ Month \$

K. Acid Pumps

Acid Pump (including Pump Hose Kit)	8.27	33.07	118.09
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L. Refrigeration Vacuum Pump

	9.81	39.25	140.17
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SECTION 31: PUNCHES

A. Hydraulic (Without Hydraulic Pump, Punch, or Dies)

20 ton	8.19	32.75	116.96
30 ton	10.75	43.00	153.57
50 ton	13.91	55.66	198.78

B. Manual

to 2"	2.41	9.66	34.50
to 3"	3.01	12.02	42.93
to 4"	3.45	13.79	49.26
to 5"	7.07	28.27	100.96

SECTION 32: SAFETY EQUIPMENT

A. Fire Extinguisher

	2.78	11.12	39.71
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B. First Aid Kit

	1.63	6.51	23.25
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C. Garlock Cobra Lifelink

	10.25	40.99	146.40
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D. Perimeter Stands (with 6 Posts & 100' of Metal Chain)

	5.36	21.43	76.55
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E. Personal Fall Arrest Systems

Bosn's Chair	1.37	5.49	19.59
Harness	0.83	3.34	11.91
Positioning Harness	0.85	3.39	12.12
Lanyard (per 6' Length)	0.74	2.94	10.50
Lifeline (100')	1.23	4.90	17.50

TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
Manhole Retrieval System (Complete with 50' Cable)	19.96	79.85	285.19
Retractable Lifeline	8.52	34.09	121.75
Rope Grab	1.35	5.41	19.33
Trailing Rope Grab with Lanyard	1.88	7.53	26.91
F. Respirator, Air Line	9.73	38.90	138.94
G. Respirator, Air Line with SCBA (5 Minute)	16.44	65.76	234.87
H. Self-Contained Breathing Apparatus (SCBA)			
30 Minute Supply	27.74	110.96	396.28
60 Minute Supply	32.59	130.37	465.62
I. Spill Cleanup Kit (with Cabinet)	1.71	6.83	24.40
J. Storage Cabinet for Flammable Liquids	2.23	8.92	31.87
K. Warning/Traffic Cones			
18" tall	0.06	0.26	0.94
28" tall	0.11	0.45	1.62
36" tall	0.22	0.86	3.08
L. Warning Fence, Orange Net (4' Height x 65' Length)	1.65	6.61	23.62

SECTION 33: SAWS

A. Abrasive Metal Cutting, Electric (Chop Saws)

14"	7.52	30.09	107.46
16"	10.99	43.96	156.99

B. Band Saws

Hand-Held, 3-1/2" (Pipe Capacity)	8.88	35.52	126.86
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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
Hand Held, 4-3/4" (Pipe Capacity)	9.55	38.20	136.43
Horizontal Metal Cutting, 5" (Round Capacity)	22.37	89.49	319.60
Horizontal Wet Metal Cutting, 5" (Round Capacity)	24.03	96.14	343.36
Horizontal Metal Cutting, 6" (Round Capacity)	28.19	112.75	402.68
Horizontal Wet Metal Cutting, 6" (Round Capacity)	33.11	132.46	473.07

C. Chain Saws

Gasoline

14"	20.78	83.10	296.79
16"	25.95	103.82	370.78
20"	31.04	124.16	443.43
25"	48.42	93.66	691.66

Electric

14"	6.40	25.60	91.42
16"	6.69	26.77	95.62
18"	7.49	29.95	106.95

D. Circular Saws, Electric

4-1/2" blade size	7.06	28.24	100.85
7-1/4" blade size	6.65	26.59	94.98
7-1/4" blade size (Worm Gear)	6.87	27.48	98.13
8" blade size (Worm Gear)	6.94	27.75	99.11
8-1/4" blade size	5.69	22.78	81.34
10-1/4" blade size	9.96	39.85	142.31

E. Concrete Saws, Gasoline

to 10 hp	55.42	221.70	791.77
11 to 18 hp	149.50	598.01	2,135.77
19 to 36 hp	184.35	737.41	2,633.60
37 hp and over	197.39	789.54	2,819.79

F. Cut-Off Saws, Hand Held

Electric

12"	26.19	104.78	374.21
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TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
14"	28.77	115.10	411.06
Gasoline			
12"	42.66	170.66	609.50
14"	53.11	212.46	758.78
16"	63.97	255.89	913.90
G. Hack Saws, Powered			
Reciprocating, Air	23.79	95.14	339.79
Reciprocating, Electric	22.12	88.49	316.02
Pipe Clamp for Saws	3.72	14.86	53.08
H. Jig (Saber) Saws, Electric			
	3.24	12.69	46.29
I. Masonry/Tile Saws, Electric			
14" blade	33.28	133.12	475.44
20" blade	49.49	197.95	706.96
J. Radial Arm Saws			
12" Wood Cutting	27.77	111.07	396.69
14" Wood Cutting	33.40	133.61	477.19
16" Wood Cutting	33.89	135.55	484.12
16" Metal Cutting	52.17	208.69	745.33
20" Metal Cutting	78.02	312.08	1,114.56
K. Reciprocating ("Sawzall") Saws			
2-Speed	3.50	13.99	49.95
Dual Range	3.55	14.21	50.76
L. Table Saws			
8"	6.33	25.34	90.49
10" Tilting Arbor	8.39	33.54	119.80

Owning & Operating Rate
 Day \$ Week \$ Month \$

SECTION 34: SCAFFOLDING

A. Aluminum Staging, with Elevating Equipment

Manual with Swing	15.69	62.77	224.19
21' Electric	33.18	132.75	474.11
30' Electric	39.80	159.17	568.49
36' Electric	50.31	201.22	718.65

B. Casters (Each)

4" and 5"	0.32	1.26	4.50
5" and 8" Adjustable Stem	0.74	2.95	10.53
6" and 8"	0.44	1.78	6.34

C. End Frames, with Bracing & Pins, Less Planks & Casters

2' High x 5' x 7'	1.02	4.10	14.63
3' High x 5' x 7'	1.35	5.38	19.23
4' High x 5' x 7'	1.44	5.75	20.56
5' High x 5' x 7'	1.63	6.53	23.32
6' High x 5' x 7'	1.82	7.30	26.07
7' High x 5' x 7'	2.12	8.46	30.21
12' High x 5' x 7'	5.96	23.85	85.18
Base Plate Extension Post	0.22	0.88	3.17

D. Planks

Aluminum

8'	1.15	4.61	16.46
10'	2.27	9.09	32.47
16'	3.17	12.68	45.30
22'	3.85	15.43	55.12
24'	4.94	19.76	70.56
32'	12.02	48.06	171.63

Wood

to 20'	2.80	11.23	40.08
21' and over	3.50	14.01	50.00

Owning & Operating Rate
 Day \$ Week \$ Month \$

SECTION 35: SHEET METAL & DUCT FORMING EQUIPMENT

A. Brakes, Bending (Hand)

4' x 12 ga.	24.28	97.12	346.85
4' x 14 ga.	23.44	93.75	334.82
4' x 16 ga.	17.53	70.13	250.45
4' x 22 ga.	7.00	28.00	100.00
6' x 12 ga.	29.98	119.94	428.34
8' x 12 ga.	36.56	146.22	522.23
8' x 16 ga.	22.93	91.72	327.56
8' x 18 ga.	21.71	86.83	310.10
10' x 14 ga.	39.05	156.19	557.83
10' x 16 ga.	15.45	61.78	220.65
10' x 18 ga.	26.86	107.42	383.65

B. Fiberglass Duct Grooving Machine 67.54 270.16 964.85

C. Rollformers ("Lockformers")

16 ga.	36.38	145.52	519.73
18 ga.	35.57	142.29	508.20
20 ga.	30.56	122.25	436.59
22 ga.	27.69	110.74	395.51

D. Shears, Electric Powered (Floor Type)

14 ga. Mechanical Squaring	65.27	261.10	932.49
10 ga. Mechanical Squaring	60.39	241.55	862.68
16 ga. Hydraulic Squaring	28.76	115.06	410.92
10 ga. Hydraulic Squaring	115.52	462.08	1,650.30

E. Shears, Manual Type

20 ga. Ring and Circle Shear	24.70	98.79	352.81
24 ga. Manual Bench Type	4.94	19.77	70.61
20 ga. Manual Bench Type	14.02	56.07	200.25
16 ga. Foot Squaring (37" Cut Length)	14.67	58.69	209.61
16 ga. Foot Squaring (52" Cut Length)	16.82	67.27	240.24

Owning & Operating Rate
 Day \$ Week \$ Month \$

SECTION 36: SHOP TOOLS

A. Chipping Hammers, Electric

	Day \$	Week \$	Month \$
to 1-1/4"	12.56	50.26	179.50
1-1/2" to 1-3/4"	13.94	55.74	199.07
2" and over	15.10	60.41	215.77

B. Grinders, Electric

	Day \$	Week \$	Month \$
5" Angle	4.08	16.33	58.33
5" Straight	7.54	30.18	107.78
6" Straight	8.62	34.50	123.21
7" or 9" Angle	6.13	24.54	87.64
8" Tuck Point	9.28	37.10	132.50
Bench Type	4.04	16.14	57.65

C. Lathes

	Day \$	Week \$	Month \$
Metal Working	20.61	82.44	294.43
Wood Working	10.69	42.76	152.73

D. Pressure Washers, Cold Water (Gasoline)

	Day \$	Week \$	Month \$
2 to 3 gpm @ 700 to 1,000 psi	63.40	253.58	905.65
4 gpm @ 1,200 to 3,000 psi	74.82	299.28	1,068.85
5 gpm @ 1,000 to 3,000 psi	90.34	361.35	1,290.53
7 gpm @ 3,000 to 5,000 psi	210.95	843.78	3,013.52
10 gpm @ 1,000 psi	102.66	410.64	1,466.57

E. Pressure Washers, Hot Water (Gasoline)

	Day \$	Week \$	Month \$
4 gpm @ 1,000 psi	138.79	555.14	1,982.66
5 gpm @ 3,000 psi	178.34	713.37	2,547.74
6 gpm @ 3,000 psi	208.49	833.98	2,978.51

F. Sanders, Electric

	Day \$	Week \$	Month \$
Belt (3" x 24")	6.41	25.64	91.59
Orbital (4-1/2" x 9" Pad)	4.97	19.88	71.01

Owning & Operating Rate
 Day \$ Week \$ Month \$

G. Tool Cleaners, Steam Vapor (Portable or Stationary)

70 gph @ 110 psi	56.77	227.08	811.01
150 gph @ 200 psi	73.67	294.67	1,052.38
200 gph @ 90 psi	120.51	482.05	1,721.59

H. Vacuum Cleaners (Wet/Dry)

6 gallon, 87 cfm	9.80	39.20	139.99
10 gallon, 110 cfm	11.89	47.55	169.84
15 gallon, 110 cfm	14.33	57.34	204.78

I. Vises, Combination (Machinists with Pipe)

3-1/2" capacity	2.19	8.76	31.30
4-1/2" capacity	2.90	11.60	41.42
5" capacity	4.73	18.93	67.60
6" capacity	5.95	23.81	85.04

J. Vises, Machinists'

3" capacity	1.17	4.70	16.78
3-1/2" capacity	1.53	6.13	21.89
4" capacity	1.79	7.15	25.52
4-1/2" capacity	2.16	8.63	30.80
5" capacity	3.00	12.00	42.85
6" capacity	4.41	17.64	62.98
8" capacity	8.45	33.81	120.74

K. Vises, Pipe Chain (Top or Bottom)

to 2-1/2" capacity	0.49	1.96	6.99
4" to 4-1/2" capacity	1.12	4.47	15.95
5" capacity	1.34	5.38	19.20
6" capacity	1.52	6.10	21.78
8" capacity	2.26	9.04	32.29

L. Vises, Pipe Yoke

to 2-1/2" capacity	0.66	2.63	9.41
3" capacity	1.06	4.25	15.18
4" capacity	1.22	4.88	17.44

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
6" capacity	2.57	10.27	36.69
M. Vises, Portable Tristand			
2-1/2" capacity	2.29	9.18	32.78
4" to 5" capacity	2.37	9.49	33.88
6" capacity	4.54	18.16	64.85
N. Vises, Welding			
Angle	0.86	3.43	12.27
Elbow	0.87	3.47	12.38
Flange	1.10	4.39	15.68
Straight	0.73	2.91	10.40
O. Wrenches, Impact (Electric)			
1/2" drive	7.55	30.18	107.81
3/4" drive	12.72	50.89	181.76
1" drive	19.78	79.13	282.61
P. Wrenches, Pipe, Aluminum or Cast Iron			
10" to 12"	0.12	0.49	1.75
14"	0.12	0.49	1.75
18"	0.24	0.98	3.49
24"	0.36	1.42	5.07
36"	0.60	2.41	8.62
48"	0.95	3.79	13.53
60"	1.20	4.81	17.18
Q. Wrenches, Pipe, Brass			
10"	0.73	2.90	10.36
14"	0.86	3.42	12.22
18"	0.97	3.89	13.91
24"	1.24	4.98	17.78
SECTION 37: TAR KETTLES			
80 gallon capacity	36.64	146.58	523.48
115 gallon capacity	40.30	161.21	575.75
165 gallon capacity	42.71	170.83	610.11
175 gallon capacity	53.74	214.94	767.96

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
250 gallon capacity	70.39	281.56	1,005.56
350 gallon capacity	80.82	323.30	1,154.63
500 gallon capacity	102.36	409.45	1,462.31

SECTION 38: TESTING EQUIPMENT

A. Air & Hydronic Balancing

Ammeter, Voltage	3.22	12.87	45.95
Pyrometer, Contact	3.09	12.35	44.11
Revolution Counter	1.31	5.22	18.65
Stroboscope	4.88	19.51	69.68
Stop Watch	1.41	5.66	20.21
Thermometers, Dial	2.63	10.54	37.64
Thermometers, Mercury, 12"	0.83	3.33	11.89

B. Air Balancing

Anemometers, Deflecting Vane	5.37	21.47	76.68
Anemometers, Rotating Vane	4.22	16.87	60.24
Flow Measuring Hoods	14.80	59.20	211.44
Magnehelic (Air Pressure) Gauges	4.11	16.46	58.77
Manometers, Inclined	2.24	8.97	32.04
Manometers, Combination	2.96	11.85	42.32
Manometers, U-Tube, 10"	2.81	11.25	40.18
Manometers, U-Tube, 18"	3.04	12.16	43.41
Pitot Tube	2.36	9.42	33.66
Psychrometer, Sling	3.50	13.98	49.94
Recorder, Temperature & Humidity	7.03	28.11	100.39

C. Air Flow Hood 15.11 60.44 215.85

D. Carbon Monoxide Meter 8.51 34.06 121.64

E. Combustible Gas Leak Detector 7.16 28.63 102.24

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
F. Combustion Analyzer			
Oil Combustion Test Kit	9.42	37.66	134.51
G. Dead Weight Pressure Tester			
	31.19	124.77	445.61
H. Electrical			
Ammeter, Recording	7.48	29.90	106.80
Earth Tester	5.72	22.89	81.74
Insulation Tester	4.23	16.91	60.38
Light Meter	1.81	7.26	25.92
Megohmmeter	8.57	34.28	122.44
Power Factor Meter	3.50	13.98	49.94
Rotation Tester	4.57	18.30	65.35
Voltmeter, Recording	5.79	23.18	82.78
Surveying Tool, Robotic Total Station	166.08	664.33	2,372.61
Surveying Tool, Building Scanner	199.31	797.24	2,847.28
Site Layout - Measurement	136.53	546.11	1,950.41
Trimble RTS655	176.36	705.45	2,519.46
Trimble RTS773	162.76	651.04	2,325.13
Trimble RTS773-FT, Z RADA-ADV-FTG,MT1000-GC	136.53	546.11	1,950.41
Trimble RTS873 & RTS773	179.05	716.20	2,557.86
Trimble SPS710	153.34	613.37	2,190.61
Trimble TX6	199.31	797.24	2,847.28
I. Hydronic Balancing			
Dwyer 1233-36	4.02	16.07	57.38
Gauges, Compound Test	2.95	11.78	42.08
Gauges, Test	3.45	13.80	49.30
Manometer, 36" U-Tube	2.24	8.97	32.04
Manometer, Well Type, 18"	3.84	15.37	54.90
J. Monitors (Explosion/LEL)			
Gas Detectors			
Confined Space, LCD, 1 Gas	7.23	28.93	103.34

TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
Confined Space, LCD, 2 Gas	20.69	82.76	295.57
Confined Space, LCD, 3 Gas	22.95	91.80	327.84
Confined Space, LCD, 4 Gas	27.62	110.48	394.58
Analog, 1 Gas	5.72	22.89	81.74
Portable, LCD, 1 Gas	4.97	19.88	71.01
Portable, LCD, 2 Gas	15.95	63.80	227.86
Portable, LCD, 3 Gas	18.39	73.56	262.73
Portable, LCD, 2 Gas	21.27	85.09	303.89

K. RPZ Tester

Watts TK9A	5.05	20.19	72.10
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L. Test Kits (Duct Leak)

McGill 5"	15.80	63.22	225.78
McGill 8"	27.01	108.04	385.86

SECTION 39: TOOL STORAGE & HANDLING

A. Hand Trucks

2 Wheel	2.14	8.55	30.53
4 Wheel	4.44	17.77	63.46

B. Storage Box

	2.04	8.15	29.12
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C. Tool Sheds

10' x 14'	2.80	11.21	40.04
12' x 17'	4.28	17.11	61.11
12' x 20'	5.61	22.42	80.09

D. Work Bench

	0.97	3.86	13.80
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SECTION 40: TRAILERS

A. Equipment (Low Boys)

Tandem Axle

25 ton	201.10	804.41	2,872.88
30 ton	209.43	837.73	2,991.91

TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
35 ton	214.36	857.46	3,062.36
40 ton	218.82	875.27	3,125.95
50 ton	250.78	1,003.13	3,582.60
B. Office			
8' x 16'	25.55	102.17	364.88
8' x 20'	27.16	108.61	387.91
8' x 24'	29.89	119.57	427.05
8' x 26'	32.04	128.16	457.71
8' x 28'	36.38	145.51	519.70
8' x 32'	36.56	146.27	522.40
10' x 32'	49.51	198.03	707.24
10' x 50'	73.75	295.01	1,053.59
12' x 56'	83.63	334.50	1,194.64
12' x 60'	86.56	346.24	1,236.58
C. Pole			
10 ton	50.22	200.88	717.43
20 ton	59.33	237.30	847.50
D. Storage			
6' x 15'	16.66	66.65	238.05
8' x 20'	23.23	92.93	331.90
8' x 24'	23.96	95.84	342.28
8' x 28'	27.46	109.83	392.27
8' x 32'	28.51	114.06	407.34
8' x 36'	29.78	119.12	425.42
E. Utility, Flat Deck, Non-Tilting			
3 ton	38.04	152.16	543.42
5 ton	44.45	177.79	634.97
6 ton	46.08	184.32	658.28
8 ton	54.65	218.62	780.78
9 ton	62.30	249.18	889.94
10 ton	76.91	307.64	1,098.71
12 ton	78.31	313.24	1,118.70
16 ton	76.10	304.40	1,087.15

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
18 ton	79.00	315.99	1,128.52
20 ton	82.96	331.84	1,185.13

F. Utility, Flat Deck, Tilting

6 ton	62.99	251.96	899.87
9 ton	86.56	346.25	1,236.62
10 ton	97.31	389.24	1,390.14
12 ton	105.86	423.44	1,512.30
15 ton	118.55	474.21	1,693.60
16 ton	118.68	474.73	1,695.47
20 ton	129.22	516.88	1,846.00
25 ton	168.36	673.43	2,405.10

SECTION 41: TRANSIT WITH TRIPOD

	15.72	62.87	224.52
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SECTION 42: TRENCH SHORING

A. Manhole Shields, Aluminum (with Spreaders & Hardware)

8' H x 8' W x 8' L	37.70	150.81	538.62
8' H x 10' W x 10' L	44.52	178.07	635.95
8' H x 10' W x 12' L	49.06	196.23	700.81

B. Manhole Shields, Steel (with Spreaders & Hardware)

8' H x 8' W x 8' L	19.51	78.06	278.77
8' H x 10' W x 10' L	22.13	88.51	316.12
8' H x 10' W x 12' L (Open Ended)	27.65	110.60	394.99

C. Trench Shields, Aluminum, Light System Panels (with Hardware)

20" H x 36" L	7.58	30.31	108.27
20" H x 60" L	7.89	31.54	112.66
20" H x 78" L	8.66	34.64	123.70
20" H x 96" L	8.68	34.72	124.01
20" H x 118" L	9.10	36.39	129.97
24" to 32" Struts	1.73	6.91	24.69
32" to 48" Struts	1.77	7.07	25.26

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
51" to 86" Struts	1.90	7.62	27.20
Manhole Connector (4)	3.59	14.35	51.26

D. Trench Shields, Aluminum, Standard

4' H x 6' L	16.60	66.39	237.09
4' H x 8' L	19.17	76.70	273.91
4' H x 10' L	22.03	88.10	314.65
4' H x 12' L	24.38	97.51	348.23
4' H x 16' L	31.53	126.12	450.43
4' H x 18' L	30.29	121.16	432.70
6' H x 6' L	21.06	84.25	300.90
6' H x 8' L	24.12	96.47	344.52
6' H x 10' L	27.68	110.71	395.41
6' H x 12' L	34.03	136.11	486.10
6' H x 16' L	43.75	175.01	625.02
6' H x 18' L	48.25	192.99	689.25
8' H x 6' L	23.50	93.99	335.68
8' H x 8' L	27.42	109.66	391.64
8' H x 10' L	32.82	131.26	468.79
8' H x 12' L	38.33	153.30	547.51
8' H x 16' L	51.19	204.78	731.35
8' H x 18' L	57.95	231.80	827.85

E. Trench Shields, Steel

4' H x 6' L	10.32	41.30	147.49
4' H x 8' L	11.29	45.16	161.30
4' H x 10' L	11.94	47.77	170.61
4' H x 12' L	12.25	49.02	175.06
6' H x 6' L	11.05	44.20	157.85
6' H x 8' L	12.14	48.58	173.49
6' H x 10' L	15.16	60.64	216.59
6' H x 12' L	17.69	70.75	252.68
6' H x 16' L	23.23	92.94	331.91
6' H x 20' L	30.41	121.64	434.43
6' H x 24' L	34.70	138.82	495.78

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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
6' H x 26' L	36.99	147.97	528.47
8' H x 6' L	11.85	47.41	169.30
8' H x 8' L	12.86	51.43	183.69
8' H x 10' L	16.53	66.14	236.20
8' H x 12' L	19.31	77.22	275.79
8' H x 16' L	25.61	102.46	365.91
8' H x 20' L	34.78	139.13	496.88
8' H x 24' L	39.66	158.65	566.60
8' H x 26' L	46.09	184.35	658.39
10' H x 16' L	36.82	147.28	526.01
10' H x 20' L	44.45	177.79	634.96
10' H x 24' L	52.76	211.05	753.74
10' H x 26' L	52.34	209.35	747.67

F. Spreader Sets, for Aluminum Shields (Inside Width)

24"	2.39	9.55	34.10
30"	2.50	10.00	35.72
36"	2.62	10.49	37.45
42"	2.93	11.70	41.79
48"	2.93	11.72	41.84
54"	3.15	12.59	44.98
60"	3.16	12.64	45.14
72"	3.58	14.31	51.10
84"	3.79	15.17	54.19
96"	4.80	19.20	68.57
108"	4.99	19.95	71.24
120"	5.19	20.77	74.17

G. Spreader Sets, for Steel Shields (Inside Width)

24"	2.61	10.46	37.34
30"	2.84	11.36	40.59
36"	3.16	12.62	45.09
42"	3.32	13.30	47.49
48"	3.67	14.69	52.46
54"	3.91	15.63	55.81

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
60"	4.32	17.28	61.72
72"	5.16	20.63	73.69
84"	5.60	22.39	79.97
96"	6.00	24.02	85.78
108"	6.38	25.51	91.11
120"	7.17	28.67	102.41
132"	7.72	30.87	110.25
144"	8.19	32.75	116.95

H. Vertical Shores, Hydraulic, Single Cylinder

36" to 42" Max. Trench Width, 2' Rails	7.00	28.00	100.00
54" to 88" Max. Trench Width, 2' Rails	7.40	29.58	105.65

I. Vertical Shores, Hydraulic, Dual Cylinder

36" Max. Trench Width, 3' to 7' Rails	12.54	50.17	179.19
42" Max. Trench Width, 3' to 7' Rails	13.29	53.16	189.86
64" Max. Trench Width, 3' to 7' Rails	13.77	55.09	196.76
88" Max. Trench Width, 3' to 7' Rails	14.16	56.65	202.31

J. Walers, Hydraulic, Dual Cylinder (without Trench Sheeting)

56" Max. Trench Width, 8' to 10' Rails	21.58	86.30	308.22
64" Max. Trench Width, 8' to 10' Rails	24.34	97.36	347.71
88" Max. Trench Width, 8' to 10' Rails	25.99	103.98	371.35
120" Max. Trench Width, 8' to 10' Rails	30.20	120.79	431.40

K. Walers, Hydraulic, Triple Cylinder (without Trench Sheeting)

56" Max. Trench Width, 12' to 16' Rails	37.89	151.57	541.34
64" Max. Trench Width, 12' to 16' Rails	38.58	154.31	551.12
88" Max. Trench Width, 12' to 16' Rails	42.11	168.44	601.59
120" Max. Trench Width, 16' Rails	34.81	139.24	497.30

Owning & Operating Rate
Day \$ Week \$ Month \$

SECTION 43: TRUCKS

A. Dump Trucks

Gasoline

4 cubic yard, 2 wheel drive	607.73	2,430.90	8,681.80
5 to 6 cubic yard, 2 wheel drive	642.35	2,569.38	9,176.37

Diesel

4 cubic yard, 2 wheel drive	451.68	1,806.71	6,452.54
5 to 6 cubic yard, 2 wheel drive	472.75	1,890.99	6,753.54
7 to 8 cubic yard, 2 wheel drive	550.60	2,202.39	7,865.70
7 to 8 cubic yard, 4 wheel drive	556.38	2,225.53	7,948.32

B. Flatbeds

1 ton	308.38	1,233.52	4,405.43
1-1/2 ton	336.12	1,344.47	4,801.69
2 ton	341.86	1,367.43	4,883.69
2-1/2 ton	369.56	1,478.25	5,279.45

C. Panel

3/4 ton	320.70	1,282.80	4,581.42
1 ton	339.13	1,356.51	4,844.68
1-1/2 ton	346.48	1,385.90	4,949.65
2 ton	397.82	1,591.28	5,683.15
3/4 ton with Power Gate and/or "A" Frame	324.49	1,297.95	4,635.52
1 ton with Power Gate and/or "A" Frame	324.92	1,299.68	4,641.71
1-1/2 ton with Power Gate and/or "A" Frame	365.00	1,460.01	5,214.32
2 ton with Power Gate and/or "A" Frame	405.85	1,623.41	5,797.90
5 ton	599.75	2,398.99	8,567.82

D. Pick-ups

1/2 ton—2 wheel drive	206.53	826.11	2,950.38
3/4 ton—2 wheel drive	225.91	903.65	3,227.32
1 ton—2 wheel drive	250.41	1,001.62	3,577.23
1/2 ton—4 wheel drive	226.87	907.49	3,241.02
3/4 ton—4 wheel drive	231.22	924.88	3,303.14

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
1 ton—4 wheel drive	298.00	1,192.00	4,257.13
E. Tailgate Truck			
2 ton—Hydraulic	315.12	1,260.47	4,501.69
SECTION 44: VEHICLES, AUTOMOBILES			
A. Sedans	165.90	663.62	2,370.07
B. Station Wagons	357.21	1,428.85	5,103.02
C. Vans	282.16	1,128.63	4,030.82
D. John Deere Gator	94.44	377.75	1,349.12
SECTION 45: WELDING EQUIPMENT			
A. Allegro 9902-CV	6.34	25.37	90.59
B. Allegro 9904-CVW			
Air Shield & Helmet	7.05	28.20	100.71
C. Fuseal Unit FU-100	17.78	71.13	254.04
D. Oxy-acetylene Protective Gear			
Outfit	5.66	22.63	80.82
Hood	1.49	5.96	21.30
Gloves	0.20	0.81	2.91
E. Phoenix Rod Oven	6.16	24.63	87.98
F. Plasma Arc Cutters (with Power Supply)			
to 15 amp, 1/8" Cut, 110V	13.87	55.47	198.12
20 amp, 1/4" Cut, 200/230V	13.98	55.91	199.69
30 to 40 amp, 3/8" Cut, 208/230V	17.48	69.91	249.67
50 to 60 amp, 1/2" Cut, 208/230/460V	18.45	73.79	263.52

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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
125 amp, to 1-1/4" Cut, 230/460V	27.66	110.65	395.20
G. Prestolite Torch Outfits (Less Tanks)	3.45	13.82	49.34
H. Welder/Generators (with Power Source, Gun, 50' Ground and 100' Lead Cables)			
<i>Electric</i>			
250 amp, AC/DC	21.77	87.10	311.06
250 amp, DC	34.40	137.59	491.38
300 amp, AC/DC	37.58	150.31	536.82
300 amp, DC	30.12	120.49	430.34
400 amp, DC	31.20	124.81	445.76
600 amp, DC	34.78	139.13	496.90
I. Welders (with Power Source, Gun, 50' Ground and 100' Lead Cables)			
<i>Electric (CV, CC/CV, TIG, and Stick Types)</i>			
150 amp, DC	14.64	58.57	209.18
160 amp, AC/DC	12.65	50.60	180.72
200 amp, DC	16.30	65.20	232.86
250 amp, AC/DC	19.40	77.61	277.20
250 amp, DC	24.37	97.49	348.18
300 amp, AC/DC	29.48	117.94	421.20
300 amp, DC	20.91	83.63	298.67
400 amp, DC	30.59	122.35	436.97
500 amp, AC/DC	48.62	194.48	694.56
650 amp, DC	38.26	153.05	546.59
1,000 amp, AC	66.54	266.18	950.63
<i>Gasoline</i>			
180 amp, DC	64.78	259.14	925.50
200 amp, AC	80.88	323.51	1,155.39
200 amp, DC	147.25	588.98	2,103.52
225 amp, AC/DC	86.11	344.44	1,230.16
300 amp, DC	198.74	794.98	2,839.21
350 amp, DC	185.45	741.79	2,649.24
400 amp, DC	236.35	945.40	3,376.44

	Owning & Operating Rate		
	Day \$	Week \$	Month \$
<i>Diesel</i>			
225 amp, AC/DC	94.29	377.14	1,346.93
250 amp, DC	156.18	624.71	2,231.12
300 amp, AC/DC	208.74	834.94	2,981.94
350 amp, DC	209.46	837.83	2,992.24
400 amp, DC	241.42	965.67	3,448.82
600 amp, DC	277.00	1,108.01	3,957.19
650 amp, DC	352.04	1,408.16	5,029.14

J. Welders, Spot (with Timers, Tongs, and Tips)

1/8" Weld, 1.5 KVA, Portable, Air Cooled	13.55	54.22	193.64
1/8" Weld, 1.5 KVA, Pedestal Mount, Air Cooled	14.31	57.23	204.41
3/16" Weld, 2.5 KVA, Portable, Air Cooled	20.66	82.63	295.12
3/16" Weld, 2.5 KVA, Pedestal Mount, Air Cooled	21.53	86.14	307.63
3/16" Weld, 10 KVA, Portable, Water Cooled	28.94	115.75	413.41
3/16" Weld, 10 KVA, Portable (Pneumatic), Water Cooled	34.66	138.64	495.16
3/16" Weld, 10 KVA, Stationary, Water Cooled	30.51	122.06	435.92
3/16" Weld, 10 KVA, Stationary (Pneumatic), Water Cooled	34.48	137.91	492.54
1/4" Weld, 20 KVA, Portable, Water Cooled	30.65	122.58	437.79
1/4" Weld, 20 KVA, Portable (Pneumatic), Water Cooled	35.79	143.16	511.27
1/4" Weld, 20 KVA, Stationary, Water Cooled	32.97	131.88	471.01
1/4" Weld, 20 KVA, Stationary (Pneumatic), Water Cooled	37.10	148.42	530.07

K. Welders, Stud (with Power Control, Cable, and Gun)

Capacitor Discharge, to 1/4" (110V)	22.95	91.79	327.82
Capacitor Discharge, to 5/16" (110V)	27.54	110.15	393.39
Drawn Arc, to 1/2," Single Phase	36.01	144.04	514.42
Drawn Arc, to 1/2", Three Phase	36.26	145.05	518.02

L. Welders, Wire Feed (with Gun & Cable, Work Clamp & Cable, Power Cable & Plug)

125 amp	6.89	27.55	98.39
170 amp	7.82	31.30	111.77

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	Owning & Operating Rate		
	Day \$	Week \$	Month \$
255 amp	15.58	62.32	222.56
M. Welding Screens			
6' H x 6' W	0.68	2.72	9.72
6' H x 8' W	0.81	3.24	11.58
N. Welding Transformer/Rectifiers			
250 amp, DC	14.09	56.37	201.32
300 amp, DC	14.28	57.14	204.06
400 amp, DC	16.93	67.73	241.88
500 amp, DC	21.32	85.27	304.54
600 amp, DC	25.87	103.49	369.59
O. Wire Feeders, Semi-Automatic (with Wire Drive & Control, Drive Roll & Guide Tube, Wire Reel, and Input Cable)			
2 Roll Drive, Top Mount	12.86	51.45	183.75
2 Roll Drive, Portable	15.34	61.37	219.18
P. Welding Positioners			
Pandjiris 15-4	76.21	304.84	1,088.71
Pandjiris 30-12	113.53	454.12	1,621.86
SECTION 46: MISCELLANEOUS			
A. Tarpaulins	0.62	2.47	8.85
B. Two-Way Radios			
"Low End"	1.33	5.31	18.96
"High End"	3.90	15.59	55.67
C. Wheelbarrows	0.83	3.32	11.85

Appendix I

Regional Rate Adjustment Table

State	Adjustment	State	Adjustment
Alabama	0.929	Mississippi.....	0.931
Alaska		Missouri.....	0.980
North	1.383	Montana	1.005
Central.....	1.201	Nebraska.....	0.917
South.....	1.289	Nevada.....	0.957
Arizona	0.892	New Hampshire	0.949
Arkansas	0.921	New Jersey	0.983
California		New Mexico	0.837
North	1.020	New York	1.098
South.....	0.975	North Carolina.....	0.920
Colorado.....	0.926	North Dakota.....	0.982
Connecticut	1.056	Ohio	0.998
Delaware	0.948	Oklahoma.....	0.925
District of Columbia	0.961	Oregon	0.940
Florida	0.954	Pennsylvania.....	1.059
Georgia.....	0.932	Rhode Island.....	1.043
Hawaii.....	1.002	South Carolina	0.914
Idaho	0.913	South Dakota	1.002
Illinois	1.015	Tennessee	0.933
Indiana.....	0.986	Texas	0.895
Iowa.....	0.955	Utah	0.884
Kansas	0.939	Vermont	0.961
Kentucky.....	0.972	Virginia	0.951
Louisiana.....	0.944	Washington	0.985
Maine.....	0.970	West Virginia.....	0.994
Maryland.....	0.931	Wisconsin.....	1.064
Massachusetts	1.049	Wyoming.....	1.021
Michigan	1.013		
Minnesota.....	1.102		

Appendix II

Typical Small Tools

These items are a definite item of cost on a job, and it is the usual practice in our industry to charge these items to the cost of a job on the basis of a set percentage of all field labor cost.

(Field labor cost includes payroll taxes and insurance and fringes.)

Adjustable Wrenches	Packing Irons
Asbestos Blankets	Picks
Axes	Pipe Markers
Bars (Claw, Crow, Pinch, Wrecking)	Pliers
Boring Machines (Hand)	Ratchets
Braces	Rollers
Bull Points	Saws (Hand)
Cable Grips	Screwdrivers
Calipers	Shackles
Carpenter Levels	Shovels
Caulking Irons	Sledges
Clamps (Carpenters, Jewel, Welding, Cable)	Slings (Rope)
Dial Thermometer	Snips
Dolly (Wood and Metal)	Squares
Flashlights	Tampers (Hand)
Gas Buggies	Test Plugs (Hand)
Hammers (All Types)	Test Pumps (Hand)
Horses (Mason)	Tapes (Steel)
Johnson Bars	Trowels
Lanterns	Tubs (Mortar & Line)
Mauls	Welding Shields
Oil Cans	

While this list is by no means complete, it is intended to give a representative cross section of the type of items which may be classified as "Small Tools."

Appendix III Typical Expendable Items

It is the general practice of our industry to charge these items at cost to a job as a part of the material cost of the job, or as items of direct job expense.

Abrasive Cutoff Discs	Other Inert Test Gases
Acetylene	Other Lubricants
Argon	Other Printed Forms
Brushes (Paint, Wire, Fitting)	Other Solvents
Chisels	Oxygen
Cleaning Fluids	Paste Brushes
Clean-out Plugs	Pipe Cutter Wheels
Cutting Oil & Paste	Pipe Dies
Cutting & Welding Tips	Pipe Joint Compounds
Drill Bits (Diamond & Steel)	Propane
Emery Cloth	Rod Dies
Emery Wheels	Sand Cloth
Files	Sand Paper
Flux	Solder
Foul Weather Gear	Star Drills
Gloves, Soapstone	Time Charge Tickets
Grinding Wheels	Tip, Cutting
Hacksaw Blades	Tip Cleaners
Hole Saw	Tip, Welding
Kerosene	Tool Handles
Material Charge Tickets	Tungsten Tips
Naphthalene	Twist Drills
Other Abrasives	Welding Hood Lens
Other Drill Bits	Welding Rod
Other Fuels	Wiping Cloths & Rags
Other Inert Shield Gases	Wire Brushes

While this list is by no means complete, it is intended to give a representative cross section of the type of items which may be classified as "Expendable Items."

Appendix IV

How to Adjust for Fuel Rate Increases That May Occur After the Publication of the *Tool & Equipment Rental Guide*

During the production of the *Tool and Equipment Rental Guide* in July of 2020, operating costs were calculated using a price of \$2.17 per gallon for gasoline and \$2.40 per gallon for diesel. Because each equipment category, and even each size class within an equipment category has its own unique fuel consumption factor, it is not possible to give one single percentage of the fuel allocation in each of the Rental Guide rates.

As a tool to aid users in adjusting these rates to account for increases in the cost of gasoline and diesel fuel, we have prepared the following table to indicate approximately what percent of the total *Tool and Equipment Rental Guide* rates accounts for fuel.

To adjust the rate to account for a different fuel cost, first determine the percent increase of your current fuel costs over the cost we used producing the rate.

For example, if your current cost of diesel fuel is \$4.50 per gallon, then $4.50/3.01 = 1.50$, a 50% increase.

Next, multiply this percentage by the percentage indicated on the chart.

For example, the average percentage for Air Compressors is 62.5%. Therefore, $.625 \times .50 = .3125$, or 31.25%. This is the amount to increase the published rate to reflect a fuel cost of \$4.50 per gallon.

Please note: The average fuel percentages are an average over all models and sizes in an entire equipment type. The percentage for a particular piece of equipment may lie anywhere within the range. In many cases, the minimum range reflects the cost for diesel machines, and the maximum range reflects the cost for a gas-powered machine. You are therefore encouraged to take size, model, and type of fuel into account when making your adjustments.

Equipment Type	Minimum	Maximum	Average	Diesel: \$2.40	Gas: \$2.17
Air Compressors, Rotary Screw, Portable	45%	80%	62.5%		
Breakers, Pavement	1%	48%	24.5%		
Plate Compactors, Vibratory	31%	48%	39.5%		
Tampers, Hand-Held ("Rammers")	29%	39%	34%		
Earth Augers	19%	63%	50%		
Crawler Loaders	8%	37%	22.5%		
Crawler Loaders--Low Ground Pressure	28%	45%	34%		
Crawler Tractors	22%	37%	29.5%		

Equipment Type	Minimum	Maximum	Average	Diesel: \$2.40	Gas: \$2.17
Crawler Tractors—Low Ground Pressure	22%	51%	36%		
Skid Steer Loaders	20%	55%	37.5%		
Tractor Loaders	35%	59%	47%		
Tractor Loader Backhoes	24%	60%	42%		
Trenchers, Cable Plow, Crawler Mounted	50%	59%	55%		
Trenchers, Cable Plow, Wheel Mounted	37%	56%	46.5%		
Trenchers, Chain, Crawler Mounted	27%	61%	39%		
Trenchers, Chain, Walk Behind	46%	56%	51%		
Trenchers, Chain, Wheel Mounted	33%	64%	48.5%		
Large Generator Sets	53%	82%	72%		
Small Generator Sets	38%	68%	53%		
Hoists, Gasoline, One & Two Drum	11%	46%	28.5%		
Winches, Powered	37%	65%	51%		
Aerial Lifts, Articulating Boom, Self-Propelled	11%	47%	29%		
Aerial Lifts, Scissors, Self-Propelled	11%	46%	28.5%		
Aerial Lifts, Telescope Boom, Self-Propelled	13%	43%	28%		
Cranes, Hydraulic, All-Terrain	33%	37%	35%		
Cranes, Hydraulic, Flatbed Truck Mounted	21%	71%	46%		
Cranes, Hydraulic, Rough-Terrain	23%	72%	47.5%		
Cranes, Hydraulic, Truck (Integral Mounted)	21%	71%	46%		
Cranes, Hydraulic, Yard/Industrial	22%	51%	36.5%		
Cranes, Lattice Boom, Crawler	0%	40%	20%		
Cranes, Lattice Boom, Truck	5%	73%	39%		
Light Towers, Trailer Mounted	13%	23%	18%		
Forklifts, Rough-Terrain, Straight Mast	0%	71%	35.5%		
Forklifts, Rough-Terrain, Telescoping Boom	0%	59%	29.5%		
Forklifts, Warehouse, Cushion Tire	3%	72%	37.5%		
Forklifts, Warehouse, Pneumatic Tire	3%	72%	37.5%		
Paint Sprayers, Airless, Gasoline	21%	52%	36.5%		
Pumps, Centrifugal	12%	59%	35.5%		
Pumps, Diaphragm	14%	25%	19.5%		
Pumps, (Power Units), Gas	53%	55%	54%		
Pumps, Test, Gasoline Operated	12%	26%	19%		
Pumps, Trash, Self-Priming	33%	79%	56%		
Saws, Chain Saws	23%	49%	36%		
Saws, Concrete Saws	54%	74%	64%		
Saws, Cut-off Saws	38%	50%	44%		
Shop Tools, Pressure Washers, Cold	21%	52%	36.5%		
Shop Tools, Pressure Washers, Hot	13%	46%	68.5%		
Trucks, Dump Trucks	59%	78%	71%		
Trucks, Flatbeds	62%	80%	71%		



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Equipment Type	Minimum	Maximum	Average	Diesel: \$2.40	Gas: \$2.17
Trucks, Panel	62%	80%	71%		
Trucks, Pick-ups	52%	80%	66%		
Trucks, Tailgate Trucks	52%	80%	66%		
Vehicles, Automobiles	52%	80%	66%		
Welders	57%	83%	70%		

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