Linde Baker

EWS

Electric Powered Straddle Truck



SERVICE MANUAL

Book #145 September 1997 Contract # 2684

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atm ..... atmosphere
bar ..... bar
Btu ..... British Thermal Unit
Btu/hr ..... British Thermal Unit per hour
cal ..... calorie
cal/hr ..... calorie per hour
cm ..... centimeter
cm³ ..... cubic centimeter
ft³ ..... cubic foot
in³ ..... cubic inch
m³ ..... cubic meter
ft/s ..... feet per second
fl oz ..... fluid ounce
ft ..... foot
ft-lb ..... foot-pound
gal ..... gallon
g ..... gram
HP ..... horsepower (metric)
hp ..... horsepower (US)
in ..... inch
in-lb ..... inch-pound
J ..... Joule
Cal ..... kilocalorie
kg ..... kilogram
kg/cm2 ..... kilogram per square centimeter
km ..... kilometer
kph ..... kilometer per hour
kPa ..... kilopascal
kW ..... kilowatt
kWh ..... kilowatt hour
l ..... liter
m ..... meter
mi ..... mile
mph ..... mile per hour
m/s ..... mile per second
ml ..... milliliter
mm ..... millimeter
N-m ..... Newton-meter
N ..... Newton
oz ..... ounce
pt ..... pint
lb ..... pound
psi ..... pound per square inch
qt ..... quart
ton ..... ton
W ..... watt

Force

	in-lb	ft-lb	N-m
in-lb	1	0.08334	0.113
ft-lb	12	1	1.356
N-m	8.851	0.7376	1

Velocity

	m/s	ft/s	kph	mph
m/s	1	3.281	3.6	2.237
ft/s	0.3048	1	1.097	0.6818
kph	0.2778	0.9113	1	0.6214
mph	0.447	1.467	1.609	1

Pressure

	kPa	bar	atm	psi	kg/cm²
kPa	1	0.01	0.009869	0.145	0.0102
bar	100	1	0.9869	14.5	1.02
atm	101.3	1.013	1	14.7	1.033
psi	6.895	0.06895	0.6805	1	0.07031
kg/cm²	98.07	0.9807	0.9678	14.22	1

Temperature

Fahrenheit to Celsius subtract 32, multiply by 0.56
Celsius to Fahrenheit multiply by 1.8, add 32

Mass

	g	kg	oz	lb	ton
g	1	0.001	0.03527	0.002205	0.000001102
kg	1000	1	35.27	2.205	0.001102
oz	28.35	0.02835	1	0.0625	0.00003125
lb	453.6	0.4536	16	1	0.0005
ton	9072	907.2	32000	2000	1

All numbers accurate to 4 decimal places.

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Energy

	J	N	cal	Cal	kWh	Btu
J	1	1	0.2388	0.0002388	0.0000002778	0.0009478
N	1	1	0.2388	0.0002388	0.0000002778	0.0009478
cal	4.187	4.187	1	0.001	0.000001163	0.003968
Cal	4187	4187	1000	1	0.001163	3.968
kWh	3600000	3600000	859800	859.8	1	3412
Btu	1055	1055	252	0.252	0.0002931	1

Distance

	mm	cm	m	km	in	ft	mi
mm	1	0.1	0.001	0.000001	0.03937	0.003281	0.0000006214
cm	10	1	0.01	0.00001	0.3937	0.03281	0.000006214
m	1000	100	1	0.001	39.37	3.281	0.0006214
km	1000000	100000	1000	1	39370	3281	0.6214
in	25.40	2.540	0.02540	0.000002540	1	0.08333	0.00001578
ft	304.8	30.48	0.3048	0.0003048	12	1	0.0001894
mi	1609000	160900	1609	1.609	63360	5280	1

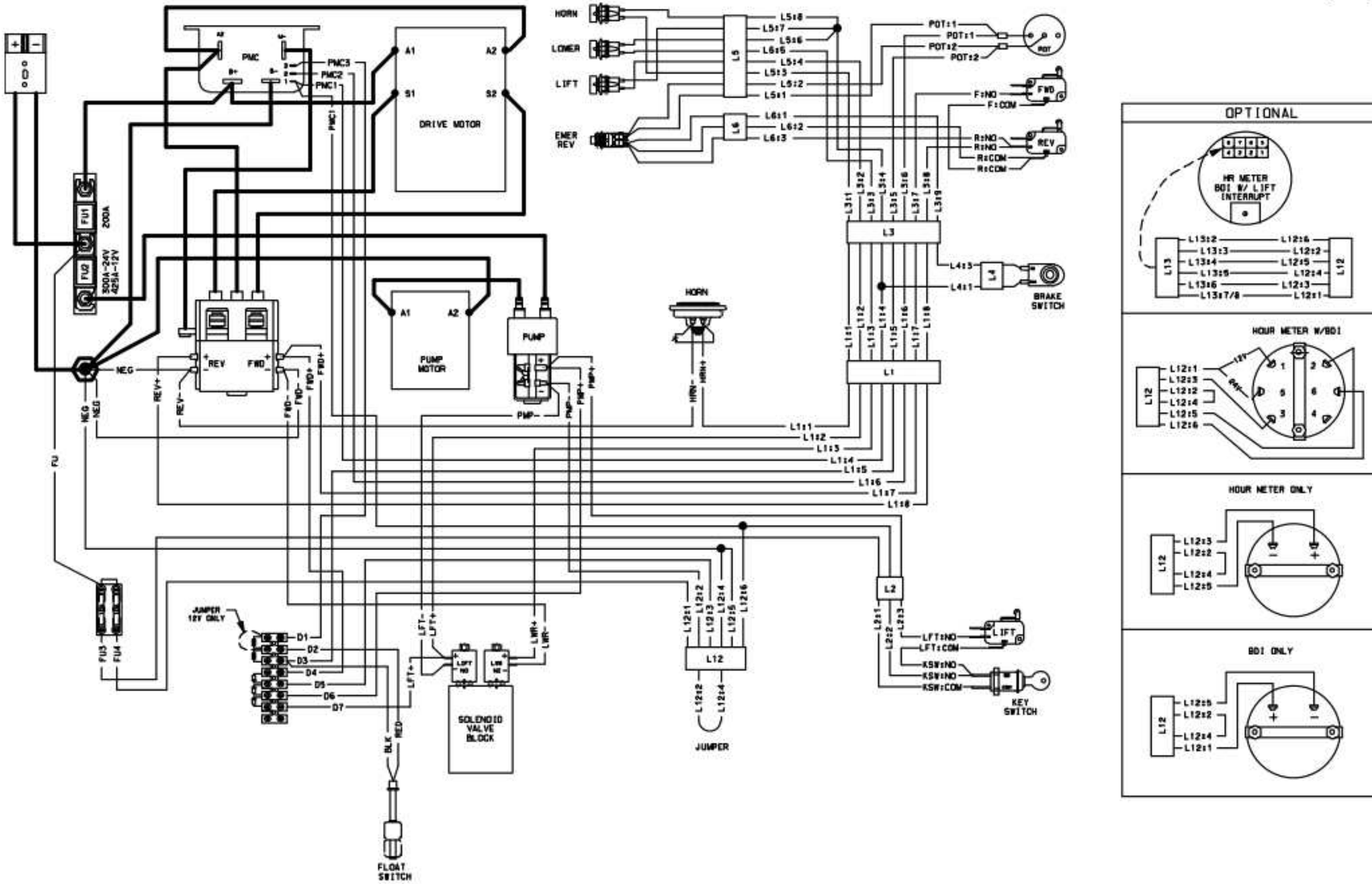
Power

	W	kW	hp(US)	HP(metric)	cal/hr	Btu/hr
W	1	0.001	0.001341	0.00136	859.8	3.412
kW	1000	1	1.341	1.36	859800	3412
hp(US)	745.7	0.7457	1	1.014	641200	2544
HP(metric)	735.5	0.7355	0.9863	1	632400	2510
cal/hr	0.001163	0.000001163	0.00000156	0.000001581	1	0.003968
Btu/hr	0.2931	0.0002931	0.000393	0.0003985	252	1

Volume

	ml	l	fl oz	pt	qt	gal	cm^3	m^3	in^3	ft^3
ml	1	0.001	0.003381	0.002113	0.001057	0.0002642	1	0.000001	0.06102	0.00003531
l	1000	1	33.81	2.113	1.057	0.2642	1000	0.001	61.02	0.03531
fl oz	29.57	0.2957	1	0.0625	0.03125	0.007813	29.57	0.0002957	1.805	0.001044
pt	473.2	0.4732	16	1	0.5	0.125	473.2	0.0004732	28.86	0.01671
qt	946.4	0.9464	32	2	1	0.25	946.4	0.0009464	57.75	0.03342
gal	3785	3.785	128	8	4	1	3785	0.003785	231	0.1337
cm^3	1	0.001	0.003381	0.002113	0.001057	0.0002642	1	0.000001	0.06102	0.00003531
m^3	1000000	1000	33810	2113	1057	264.2	1000000	1	61020	35.31
in^3	16.39	0.0164	0.5541	0.03463	0.01732	0.004329	16.39	0.00001639	1	0.0005787
ft^3	28320	28.32	957.5	59.84	29.92	7.481	28320	0.02382	1728	1

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