

VF series

3,000–4,000 lbs



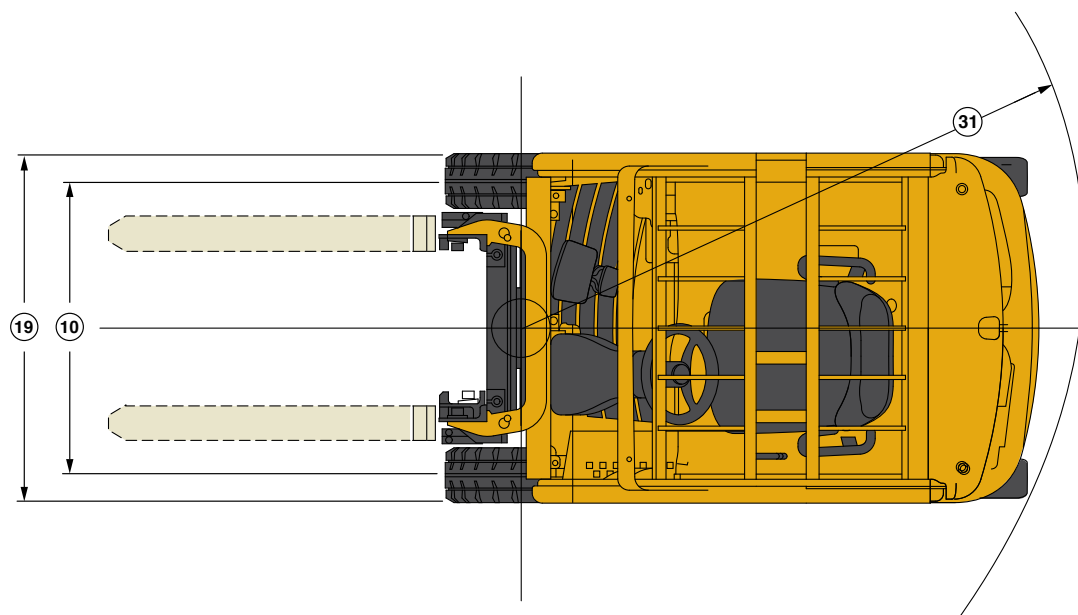
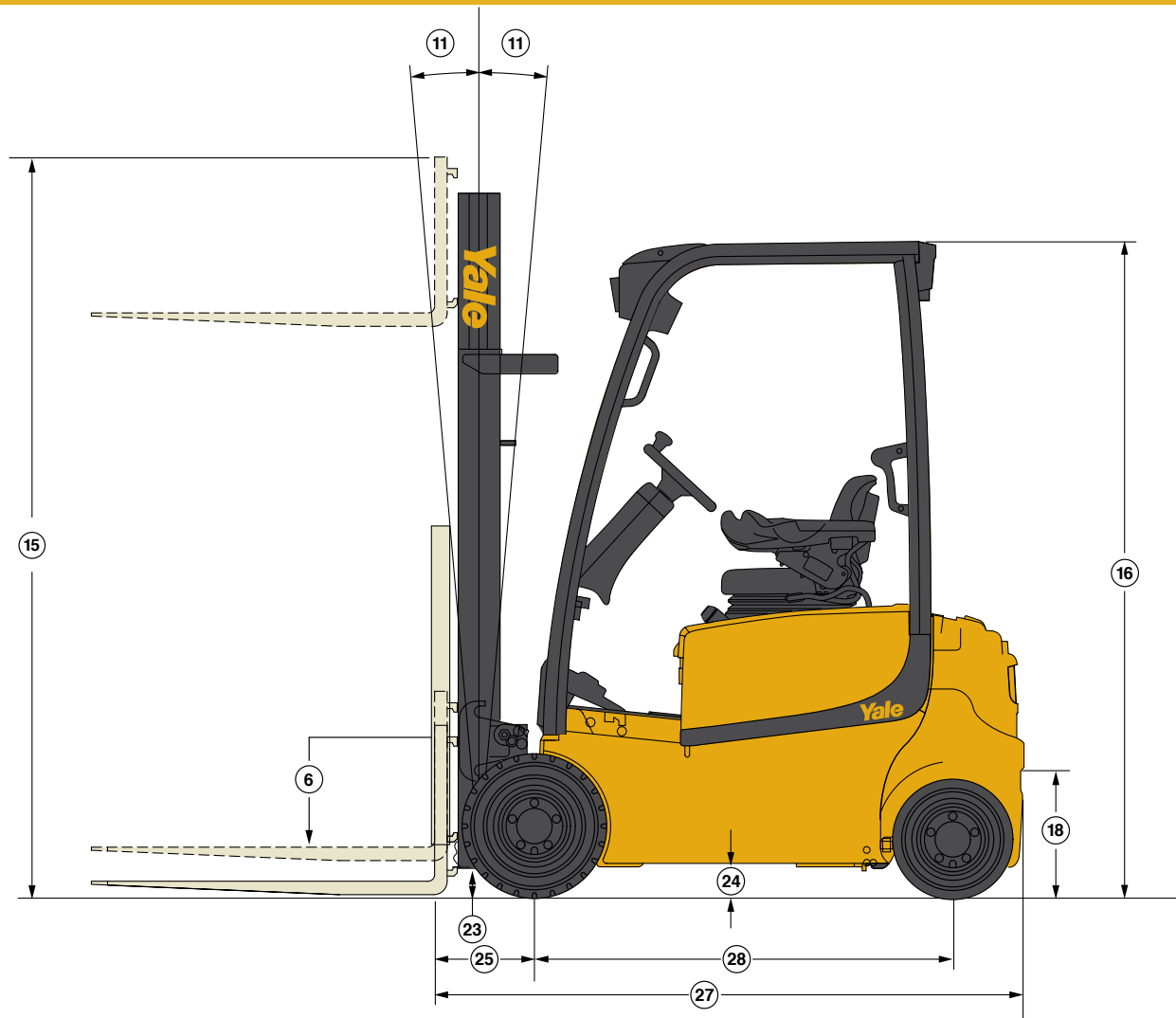
Electric Powered Pneumatic Tire Truck



SPEC SHEET

Models: ERP030VF, ERP035VF ERP040VF

TRUCK DIMENSIONS



GENERAL SPECIFICATIONS ERP030VF

GENERAL	1	Manufacturer			Yale®	
	2	Model Designation			ERP030VF	
	3	Power			Electric	
	4	Operation			Sit	
	5	Rated Capacity		lb. (kg)	3000 (1361)	
	6	Load Center		in. (mm)	24 (610)	
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc. (Drive/Steer)			Pneumatic Shaped Solid / Pneumatic Shaped Solid	
	8	Tire Size (Drive/Steer)		in.	18 x 7-8 / 140 / 55-9	
	9	Wheels – Number X=Driven (Drive/Steer)			2X / 2	
	10	Tread Ctr. of Tires (Drive/Steer)		in. (mm)	35 / 35.4 (889 / 898)	
DIMENSIONS	11	Mast Tilt	Std Opt Opt	degrees	5F / 5B 10F / 5B 5F / 4B	
	12	Mast - Lowered Height	Std Mast	in. (mm)	78 (1980)	
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	5 (140)	
			Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm)	29 / 55 (750 / 1405)	
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	119 (3032)	
	15	Mast - Extended Height	Std Mast with/without LBR	in. (mm)	168 / 142 (4262 / 3606)	
	16	Overhead Guard Height	Std/Flat Plate/Drive in Rack	in. (mm)	81.5 / 77.9 / 81.5 (2070 / 1979 / 2070)	
	17	SIP to Bottom Std OHG	Nominal Std/Susp/Swivel	in. (mm)	38.9 / 39.2 / 38.7 (989 / 997 / 985)	
	18	Tow Pin Height	Vertical Center of Pin	in. (mm)	14.1 (360)	
	19	Overall Width		in. (mm)	41.7 (1060)	
	20	Forks	Thickness x Width x Length	in. (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)	
	21	Standard Carriage Width		in. (mm)	38.5 (977)	
	22	Floor to Top of Battery Rollers		in. (mm)	7 (178)	
	23	Ground Clearance	Lowest Point (NL/RL)	in. (mm)	2.8 / 2.8 (70 / 70)	
	24	Ground Clearance	Center of Truck (NL/RL)	in. (mm)	3.7 / 3.5 (95 / 90)	
	25	Load Distance	Center of Wheel to Face of Forks	in. (mm)	12.6 (321)	
	26	Battery Compartment	Height Std/Battery Rollers/Tall	in. (mm)	23.9 / 25.4 / 26.7 (607 / 645 / 677)	
			Width	in. (mm)	39 (990)	
			Length	in. (mm)	21.5 (546)	
	27	Length to Face of Forks	Chassis Length	in. (mm)	74.1 (1881)	
	28	Wheelbase		in. (mm)	52.6 (1335)	
	29	Right Angle Stack		in. (mm)	122.0 (3100)	
	30	Equal Aisle	90° Intersecting Aisle	in. (mm)	70 (1779)	
	31	Outside Turning Radius		in. (mm)	61.4 (1560)	
WT.	32	Truck Weight	Without Battery (NL)	lb. (kg)	5140 (2331)	
	33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3641 / 8733 (1652 / 3961)	
	34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3695 / 1603 (1676 / 727)	
PERFORMANCE	35	Voltage			36	48
	36	Travel Speed	Extended Shift OFF (NL/RL)	mph (km/h)	9.8 / 9.8 (15.7 / 15.7)	9.8 / 9.8 (15.7 / 15.7)
			Extended Shift ON (NL/RL)	mph (km/h)	8.7 / 8.7 (14.0 / 14.0)	8.7 / 8.7 (14.0 / 14.0)
	37	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	128 / 77 (0.65 / 0.39)	134 / 94 (0.68 / 0.48)
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 75 (0.58 / 0.38)	120 / 89 (0.61 / 0.45)
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 75 (0.58 / 0.38)	120 / 89 (0.61 / 0.45)
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	120 / 77 (0.61 / 0.39)	126 / 91 (0.64 / 0.46)
	38	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	93 / 100 (0.47 / 0.51)	
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	77 / 91 (0.39 / 0.46)	
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	81 / 91 (0.41 / 0.46)	
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	94 / 98 (0.48 / 0.50)	
	39	Gradability	5 Minute Rating (NL/RL)	%	38.4 / 26.5	34 / 25
			60 Minute Rating (NL/RL)	%	6.0 / 4.4	9.9 / 6.5
	40	Drawbar Pull	5 Minute Rating (NL/RL)	lbf	2719 / 2714 (12096 / 12072)	2489 / 2437 (11072 / 10840)
			60 Minute Rating (NL/RL)	lbf	458 / 462 (2038 / 2054)	744 / 691 (3309 / 3074)
	41	Brake	Method of Control (Service/Parking)		Hydraulic / Mechanical	
			Method of Operation (Service/Parking)		Foot / Automatic	
ELECTRIC	42	Battery	Type		Lead Acid or Lithium-Ion	
	43	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW)	6.4 (4.8)	6.7 (5.0)
	44	Pump Motor	15 Minute Rating	hp (kW)	16.1 (12.0)	16.1 (12.0)
	45	Traction Motors	Type/Control Method		AC / Transistor	
	46	Pump Motor	Type/Control Method		AC / Transistor	
	47	Number of Speeds	Traction/Pump		Infinitely Variable / Infinitely Variable	
OTHER	48	Step Height		in. (mm)	19.1 (484)	
	49	Floor Height	Lowest Point	in. (mm)	21.9 (557)	
	50	Attachment Relief Pressure (Mech Levers/Mini Levers)		psi (bar)	2611 / 2248 (180 / 155)	
	51	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min)	5.3 / 10.6 (20 / 40)	
	52	Sound Level	Measured per ANSI B56.11.5	dB (A)	69	69

GENERAL SPECIFICATIONS ERP035VF

GENERAL	1	Manufacturer			Yale®	
	2	Model Designation			ERP035VF	
	3	Power			Electric	
	4	Operation			Sit	
	5	Rated Capacity		lb. (kg)	3500 (1588)	
	6	Load Center		in. (mm)	24 (610)	
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc. (Drive/Steer)			Pneumatic Shaped Solid / Pneumatic Shaped Solid	
	8	Tire Size (Drive/Steer)		in.	18 x 7-8 / 140 / 55-9	
	9	Wheels - Number X=Driven (Drive/Steer)			2X / 2	
	10	Tread Ctr. of Tires (Drive/Steer)		in. (mm)	35 / 35.4 (889 / 898)	
DIMENSIONS	11	Mast Tilt	Std Opt Opt	degrees	5F / 5B 10F / 5B 5F / 4B	
	12	Mast - Lowered Height	Std Mast	in. (mm)	78 (1980)	
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	5 (140)	
			Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm)	29 / 55 (750 / 1405)	
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	119 (3032)	
	15	Mast - Extended Height	Std Mast with/without LBR	in. (mm)	168 / 142 (4262 / 3606)	
	16	Overhead Guard Height	Std/Flat Plate/Drive in Rack	in. (mm)	81.5 / 77.9 / 81.5 (2070 / 1979 / 2070)	
	17	SIP to Bottom Std OHG	Nominal Std/Susp/Swivel	in. (mm)	38.9 / 39.2 / 38.7 (989 / 997 / 985)	
	18	Tow Pin Height	Vertical Center of Pin	in. (mm)	14.1 (360)	
	19	Overall Width		in. (mm)	41.7 (1060)	
	20	Forks	Thickness x Width x Length	in. (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)	
	21	Standard Carriage Width		in. (mm)	38.5 (977)	
	22	Floor to Top of Battery Rollers		in. (mm)	7 (178)	
	23	Ground Clearance	Lowest Point (NL/RL)	in. (mm)	2.8 / 2.8 (70 / 70)	
	24	Ground Clearance	Center of Truck (NL/RL)	in. (mm)	3.7 / 3.5 (95 / 90)	
	25	Load Distance	Center of Wheel to Face of Forks	in. (mm)	12.6 (321)	
	26	Battery Compartment	Height Std/Battery Rollers/Tall	in. (mm)	23.9 / 25.4 / 26.7 (607 / 645 / 677)	
			Width	in. (mm)	39 (990)	
			Length	in. (mm)	25.3 (642)	
	27	Length to Face of Forks	Chassis Length	in. (mm)	77.8 (1975)	
	28	Wheelbase		in. (mm)	56.3 (1431)	
	29	Right Angle Stack		in. (mm)	125.8 (3196)	
	30	Equal Aisle	90° Intersecting Aisle	in. (mm)	71.3 (1812)	
	31	Outside Turning Radius		in. (mm)	65.2 (1656)	
WT.	32	Truck Weight	Without Battery (NL)	lb. (kg)	5270 (2390)	
	33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3795 / 9573 (1721 / 4342)	
	34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3866 / 1588 (1754 / 720)	
PERFORMANCE	35	Voltage			36	48
	36	Travel Speed	Extended Shift OFF (NL/RL)	mph (km/h)	9.8 / 9.8 (15.7 / 15.7)	9.8 / 9.8 (15.7 / 15.7)
			Extended Shift ON (NL/RL)	mph (km/h)	8.7 / 8.7 (14.0 / 14.0)	8.7 / 8.7 (14.0 / 14.0)
	37	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	128 / 71 (0.65 / 0.36)	134 / 94 (0.68 / 0.48)
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 75 (0.58 / 0.38)	120 / 85 (0.61 / 0.43)
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 75 (0.58 / 0.38)	120 / 85 (0.61 / 0.43)
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	120 / 77 (0.61 / 0.39)	126 / 89 (0.64 / 0.45)
	38	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	93 / 100 (0.47 / 0.51)	
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	77 / 91 (0.39 / 0.46)	
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	81 / 91 (0.41 / 0.46)	
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	94 / 98 (0.48 / 0.50)	
	39	Gradability	5 Minute Rating (NL/RL)	%	36.2 / 24.3	35.0 / 25.0
			60 Minute Rating (NL/RL)	%	5.7 / 4.0	9.2 / 5.9
	40	Drawbar Pull	5 Minute Rating (NL/RL)	lbf	2719 / 2712 (12093 / 12065)	2479 / 2417 (11027 / 10751)
			60 Minute Rating (NL/RL)	lbf	457 / 460 (2035 / 2047)	733 / 672 (3261 / 2989)
ELECTRIC	41	Brake	Method of Control (Service/Parking)		Hydraulic / Mechanical	
			Method of Operation (Service/Parking)		Foot / Automatic	
	42	Battery	Type		Lead Acid or Lithium-Ion	
	43	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW)	6.4 (4.8)	6.7 (5.0)
	44	Pump Motor	15 Minute Rating	hp (kW)	16.1 (12.0)	16.1 (12.0)
	45	Traction Motors	Type/Control Method		AC / Transistor	
	46	Pump Motor	Type/Control Method		AC / Transistor	
OTHER	47	Number of Speeds	Traction/Pump		Infinitely Variable / Infinitely Variable	
	48	Step Height		in. (mm)	19.1 (484)	
	49	Floor Height	Lowest Point	in. (mm)	21.9 (557)	
	50	Attachment Relief Pressure (Mech Levers/Mini Levers)		psi (bar)	2611 / 2248 (180 / 155)	
	51	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min)	5.3 / 10.6 (20 / 40)	
	52	Sound Level	Measured per ANSI B56.11.5	dB (A)	69	69

GENERAL SPECIFICATIONS ERP040VF

GENERAL	1	Manufacturer			Yale®	
	2	Model Designation			ERP040VF	
	3	Power			Electric	
	4	Operation			Sit	
	5	Rated Capacity		lb. (kg)	4000 (1814)	
	6	Load Center		in. (mm)	24 (610)	
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc. (Drive/Steer)			Pneumatic Shaped Solid / Pneumatic Shaped Solid	
	8	Tire Size (Drive/Steer)		in.	200 / 50-10 / 140 / 55-9	
	9	Wheels – Number X=Driven (Drive/Steer)			2X / 2	
	10	Tread Ctr. of Tires (Drive/Steer)		in. (mm)	35.7 / 35.4 (908 / 898)	
DIMENSIONS	11	Mast Tilt	Std Opt Opt	degrees	5F / 5B 10F / 5B 5F / 4B	
	12	Mast - Lowered Height	Std Mast	in. (mm)	78 (1980)	
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	5 (140)	
			Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm)	29 / 55 (750 / 1405)	
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)	119 (3032)	
	15	Mast - Extended Height	Std Mast with/without LBR	in. (mm)	168 / 142 (4262 / 3606)	
	16	Overhead Guard Height	Std/Flat Plate/Drive in Rack	in. (mm)	81.5 / 77.9 / 81.5 (2070 / 1979 / 2070)	
	17	SIP to Bottom Std OHG	Nominal Std/Susp/Swivel	in. (mm)	38.9 / 39.2 / 38.7 (989 / 997 / 985)	
	18	Tow Pin Height	Vertical Center of Pin	in. (mm)	14.1 (360)	
	19	Overall Width		in. (mm)	43.9 (1116)	
	20	Forks	Thickness x Width x Length	in. (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)	
	21	Standard Carriage Width		in. (mm)	38.5 (977)	
	22	Floor to Top of Battery Rollers		in. (mm)	7 (178)	
	23	Ground Clearance	Lowest Point (NL/RL)	in. (mm)	2.8 / 2.8 (70 / 70)	
	24	Ground Clearance	Center of Truck (NL/RL)	in. (mm)	3.7 / 3.5 (95 / 90)	
	25	Load Distance	Center of Wheel to Face of Forks	in. (mm)	12.6 (321)	
	26	Battery Compartment	Height Std/Battery Rollers/Tall	in. (mm)	23.9 / 25.4 / 26.7 (607 / 645 / 677)	
			Width	in. (mm)	39 (990)	
			Length	in. (mm)	25.3 (642)	
	27	Length to Face of Forks	Chassis Length	in. (mm)	77.7 (1975)	
	28	Wheelbase		in. (mm)	56.3 (1431)	
	29	Right Angle Stack		in. (mm)	125.8 (3196)	
	30	Equal Aisle	90° Intersecting Aisle	in. (mm)	72.2 (1835)	
	31	Outside Turning Radius		in. (mm)	65.2 (1656)	
WT.	32	Truck Weight	Without Battery (NL)	lb. (kg)	5310 (2409)	
	33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3839 / 10443 (1741 / 4737)	
	34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	3866 / 1262 (1754 / 572)	
PERFORMANCE	35	Voltage			36	48
	36	Travel Speed	Extended Shift OFF (NL/RL)	mph (km/h)	9.8 / 9.8 (15.7 / 15.7)	9.8 / 9.8 (15.7 / 15.7)
			Extended Shift ON (NL/RL)	mph (km/h)	8.7 / 8.7 (14.0 / 14.0)	8.7 / 8.7 (14.0 / 14.0)
	37	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	128 / 67 (0.65 / 0.34)	134 / 83 (0.68 / 0.42)
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 65 (0.58 / 0.33)	120 / 81 (0.61 / 0.41)
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	114 / 65 (0.58 / 0.33)	120 / 81 (0.61 / 0.41)
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	120 / 71 (0.61 / 0.36)	126 / 89 (0.64 / 0.45)
	38	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	93 / 100 (0.47 / 0.51)	
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	77 / 93 (0.39 / 0.47)	
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	81 / 93 (0.41 / 0.47)	
			Opt 4 Stg FFL Mast (NL/RL)	ft/min (m/sec)	94 / 98 (0.48 / 0.50)	
	39	Gradability	5 Minute Rating (NL/RL)	%	36.0 / 23.6	34.0 / 21.0
			60 Minute Rating (NL/RL)	%	5.7 / 3.9	9.2 / 5.6
	40	Drawbar Pull	5 Minute Rating (NL/RL)	lbf	2719 / 2712 (12093 / 12062)	2479 / 2409 (11027 / 10716)
			60 Minute Rating (NL/RL)	lbf	457 / 460 (2034 / 2044)	733 / 663 (3261 / 2949)
	41	Brake	Method of Control (Service/Parking)		Hydraulic / Mechanical	
			Method of Operation (Service/Parking)		Foot / Automatic	
ELECTRIC	42	Battery	Type		Lead Acid or Lithium-Ion	
	43	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW)	6.4 (4.8)	6.7 (5.0)
	44	Pump Motor	15 Minute Rating	hp (kW)	16.1 (12.0)	16.1 (12.0)
	45	Traction Motors	Type/Control Method		AC / Transistor	
	46	Pump Motor	Type/Control Method		AC / Transistor	
	47	Number of Speeds	Traction/Pump		Infinitely Variable / Infinitely Variable	
OTHER	48	Step Height		in. (mm)	19.1 (484)	
	49	Floor Height	Lowest Point	in. (mm)	21.9 (557)	
	50	Attachment Relief Pressure (Mech Levers/Mini Levers)		psi (bar)	2611 / 2248 (180 / 155)	
	51	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min)	5.3 / 10.6 (20 / 40)	
	52	Sound Level	Measured per ANSI B56.11.5	dB (A)	69	69

ERP030VF WITH 21.5" LONG COMPARTMENT

Battery Compartment Dimensions				Battery Dimensions and Specifications										
Compartment Type	Width	Length	Height	"X"		"Y"		"Z"	Volts	No. of Cells	Plates per Cell	Max Capacity 6 Hour Rate	Weight	
				Min	Max	Min	Max	Max					Min	Max
	in (mm)			in (mm)						amp hr (kwh)		lb (kg)		
With Auxiliary CTWT Platform	39 (990)	21.5 (546)	23.9 (607)	38.2 (970)	38.8 (986)	20 (508)	21.2 (539)	23.4 (594)	36 48	18 24	17 13	880 (30.6) 660 (30.5)	1700 (771)	2200 (998)
With Battery Rollers			24.9 (632)					36 48	18 24	17 13	880 (30.6) 660 (30.5)	1700 (771)	2200 (998)	
Without Auxiliary CTWT Platform			26.1 (664)					36 48	18 24	17 13	880 (30.6) 660 (30.5)	2000 (907)	2500 (1134)	

ERP035-040VF WITH 25.3" LONG COMPARTMENT

Battery Compartment Dimensions				Battery Dimensions and Specifications										
Compartment Type	Width	Length	Height	"X"		"Y"		"Z"	Volts	No. of Cells	Plates per Cell	Max Capacity 6 Hour Rate	Weight	
				Min	Max	Min	Max	Max					Min	Max
	in (mm)			in (mm)					amp hr (kwh)		lb (kg)			
With Auxiliary CTWT Platform	39 (990)	25.3 (642)	23.9 (607)	38.2 (970)	38.8 (986)	23.5 (597)	25 (635)	23.4 (594)	36 48	18 24	21 15	1100 (38.2) 770 (35.8)	2100 (953)	2400 (1089)
With Battery Rollers			24.9 (632)					36 48	18 24	21 15	1100 (38.2) 770 (35.8)	2100 (953)	2400 (1089)	
Without Auxiliary CTWT Platform			26.1 (664)					36 48	18 24	21 15	1100 (38.2) 770 (35.8)	2500 (1134)	2800 (1270)	

Battery Type: "EO" (Without Cover)

Battery amp hr (kwh) capacity is max allowable per UL

Commercially available Lead Acid or Lithium-Ion batteries may not necessarily reach these max limits

Battery Compartment Length is measured front to rear. Battery Compartment Width is measured across the truck

Battery Notes – Conventional Charging (Option BCSSBC)

Battery Connector: 36 volt - Gray SB*350 (Anderson Power Products* P/N 6320G1 or equivalent)

48 volt - Blue SB*350 (Anderson Power Products* P/N 6321G1 or equivalent)

Battery Lead: Length 20" (508 mm), Position "B", 2/0 AWG

Battery Notes – Rapid / Fast Charging (Option BARFBC)

Battery Connector: Requires Dual Positive / Negative Cabling terminating in (2) Female EBC-320 DIN Connectors

(Anderson Power Products* P/N A32503-0009 or equivalent)

Each individual DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-)

Battery Lead: Length 26" (660 mm), Position "B", Minimum Cable Size 3/0 AWG

ERP030-040VF MAST DIMENSIONS

Maximum Fork Height (TOF) +	Overall Lowered Ht.	Overall Extended Height w/Load -Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/ Load Backrest	Free-Lift (TOF) w/o Load Backrest
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
2-Stage Limited Free-lift (LFL) Mast					
119 (2032)	78 (1980)	168 (4262)	142 (3606)	5 (140)	5 (140)
127 (3232)	82 (2080)	176 (4462)	150 (3806)	5 (140)	5 (140)
2-Stage Full Free-lift (FFL) Mast					
118 (3018)	78 (1980)	168 (4262)	143 (3613)	29 (750)	55 (1405)
126 (3218)	82 (2080)	176 (4462)	151 (3813)	33 (850)	59 (1505)
138 (3518)	88 (2230)	188 (4768)	162 (4113)	39 (1000)	65 (1655)
3-Stage Full Free-lift (FFL) Mast					
175 (4450)	78 (1980)	224 (5025)	198 (5025)	29 (750)	55 (1405)
187 (4750)	82 (2080)	236 (5325)	210 (5325)	33 (850)	59 (1505)
192 (4900)	84 (2130)	238 (5375)	212 (5375)	35 (900)	61 (1555)
198 (5050)	88 (2230)	248 (5625)	222 (5625)	39 (1000)	65 (1655)
216 (5500)	94 (2380)	265 (6075)	240 (6075)	45 (1150)	71 (1805)
4-Stage Full Free-lift (FFL) Mast					
241 (6121)	84 (2121)	291 (7380)	265 (6721)	34 (873)	59 (1511)
259 (6578)	90 (2273)	309 (7837)	283 (7179)	40 (1025)	65 (1663)

FEATURES LIST

PERFORMANCE	STD	OPT
36-volt electrical system	•	
AC traction and pump motors (completely brushless)	•	
Transistor drive and pump control	•	
Advanced VSM (Vehicle System Manager)	•	
Progressive Thermal Management System	•	
Dual drive motors	•	
Wet disc brakes	•	
48-volt electrical system		•
Lead Acid	•	
Lithium-ion		•
DRIVE	STD	OPT
Pneumatic-shaped solid drive tire and steer tire	•	
Rubber cushion smooth tread drive tire and steer tire		•
LIFT	STD	OPT
2-stage limited free lift (LFL) mast with maximum fork height of 119"	•	
5° forward / 5° back mast tilt	•	
Available with 2-stage limited free lift (LFL) and 2, 3 or 4-stage full free lift (FFL) masts		•
Mast tilt option – 10° forward / 5° back		•
Mast tilt option – 5° forward / 4° back		•
Return to set tilt		•
Load weight indicator		•
HANDLING	STD	OPT
38.5" wide Class II carriage with 48" high load backrest extension	•	
42" (1067mm) long forks	•	
Carriage with integral sideshift		•
Carriage with integral sideshifting fork positioner		•
ERGONOMICS	STD	OPT
Foot Directional Control Pedal	•	
12" steering wheel with integral spinner knob and tilt column	•	
Black, non-cinch seat belt with Emergency Locking Retractor (ELR)	•	
Power assist braking	•	
Auto Deceleration System (ADS)	•	
Regenerative braking	•	
Multifunction display – Battery state of charge with low battery lift interrupt – Hour meter – Performance mode indicator – Fault indicator – 4 operator selectable, programmable performance modes	•	
Easy ingress / egress with low step height and contoured handhold	•	
Operator convenience station	•	
Adjustable tilt steering column with low profile cowl	•	
Cushioned floormat	•	
Seatside power disconnect button	•	
Operator Presence System (OPS)	•	
Vinyl non-suspension seat	•	
Hydrostatic steer system	•	
Automatic park brake	•	
TouchPoint hydraulic mini-levers		•
Non-suspension cloth seat		•
Full-suspension seat (vinyl or cloth)		•
Full-suspension swivel seat (vinyl or cloth)		•
Seatside directional control		•
Telescopic steering column with tilt memory		•
Key switch controlled lights		•
Rear drive handle with horn button		•

ERGONOMICS continued		
Mirrors – dual rear view – LH & RH OHG side mounted		•
Mirror – single panoramic – OHG mounted		•
Synchronous steering		•
Red, high-visibility, non-cinch seat belt with or without start interlock		•
Low mount display		•
OPERATION	STD	OPT
Battery compartment size – 21.5" (ERP030VF) – 25.3" (ERP035-40VF)	•	
Lift out battery extraction	•	
Standard construction	•	
UL Classification Type "E"	•	
Key switch start	•	
81.5" grid style overhead guard	•	
3-function hydraulic control valve with seatside mechanical levers	•	
On-demand hydrostatic power-assist steering	•	
Fully integrated CANbus communication	•	
Static strap	•	
Tow pin	•	
On-board software – Program, test & diagnose – Password protected	•	
Electronic horn with integral relay (long life / no adjustments)	•	
Battery side covers	•	
Side extraction battery removal with rollers		•
Rapid / fast charge		•
Application / environmental construction – Cooler / freezer package: operating temperatures: 0° F to +120° F – SubZero freezer package: operating temperatures: -40° F to +120° F		•
UL Classification Type "EE"		•
4-function hydraulic control valve		•
Hydraulic attachment extension tubes with or without quick disconnect fittings		•
77.9" flat plate overhead guard		•
81.5" drive-in rack grid style overhead guard		•
Keyless start (with auxiliary key switch)		•
LED and halogen work light packages		•
LED dome / reading light		•
Basic and premium LED brake / tail / back-up light packages		•
Audible alarm – reverse operation (manually adjustable to 87, 97 or 102 dB)		•
Visible amber strobe light – continuous activated, overhead guard mounted		•
Fire extinguisher – 2.5 lb dry chemical		•
Impact monitor		•
Operator password start interlock		•
Operator daily checklist		•
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		•
Programmable maintenance reminder		•
Yale Reliant™		•
SUPPLEMENTAL	STD	OPT
36 month / 6,000 hour powertrain warranty	•	
12 month / 2,000 hour full truck warranty	•	
Operating manual	•	

About Yale®



Yale Materials Handling Corporation is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 2,000 to 36,000 pounds and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

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Trucks may be shown with optional equipment. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale® Dealer if any of the information shown is critical to your application.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.