

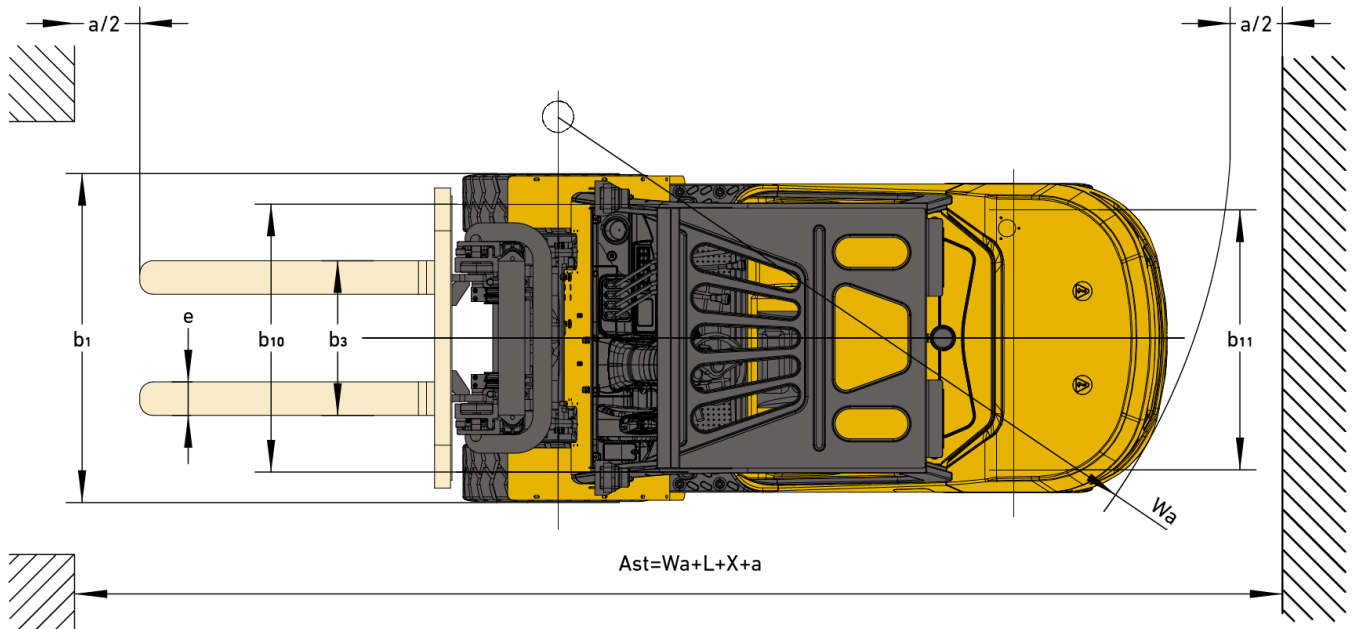
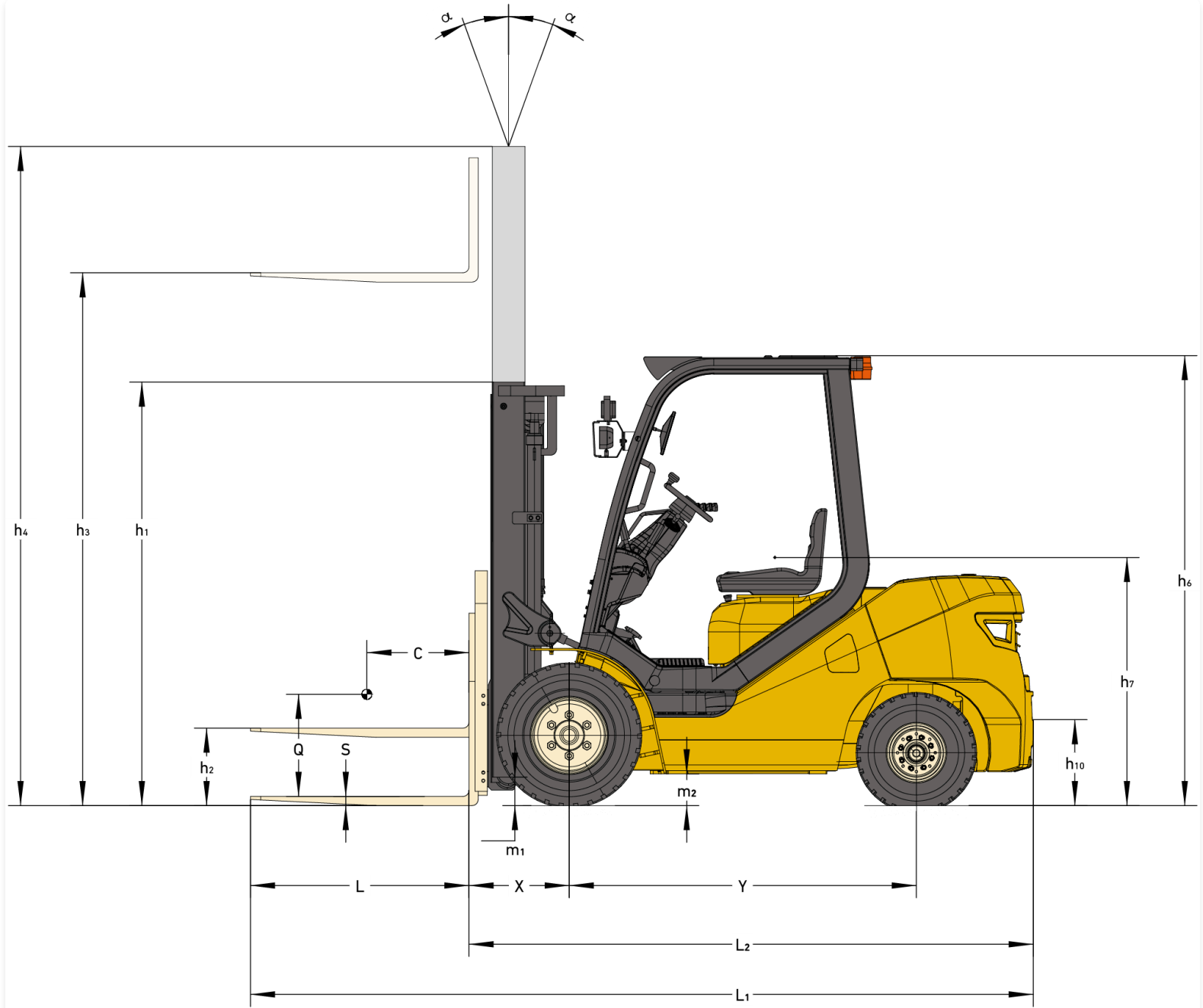


ERP40-70MXLG SERIES

INTEGRATED LITHIUM-ION
COUNTERBALANCE FORKLIFT

Technical Specifications





Technical Data											
Specifications Table											
	1.2	Model		ERP40MXLG	ERP40XMXLG	ERP50MXLG	ERP50MXLG	ERP60MXLG	ERP60MXLG	ERP70MXLG	ERP70MXLG
Distinguishing Mark	1.1	Manufacturer		Yale	Yale	Yale	Yale	Yale	Yale	Yale	Yale
	1.3	Drive		Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	Q lb (kg)	4000 (2000)	4000 (2000)	5000 (2500)	5000 (2500)	6000 (3000)	6000 (3000)	7000 (3500)	7000 (3500)
	1.6	Load center distance	c in (mm)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)
	1.8	Load distance, center of drive axle to fork	x in (mm)	18.74 (476)	18.74 (476)	18.74 (476)	18.74 (476)	19.33 (491)	19.33 (491)	20.07 (510)	20.07 (510)
	1.9	Wheelbase	y in (mm)	63 (1600)	63 (1600)	63 (1600)	63 (1600)	67 (1700)	67 (1700)	67 (1700)	67 (1700)
Weight	2.1	Service weight	lb (kg)	7835 (3554)	8093 (3671)	8408 (3814)	8666 (3931)	9511 (4314)	9603 (4356)	10393 (4714)	10485 (4756)
	2.2	Axle loading, laden front/rear	lb (kg)	10800/1444 (4899/655)	11030/1473 (5003/668)	12277/1642 (5569/745)	12507/1671 (5673/758)	14220/1905 (6450/864)	14304/1914 (6488/868)	15970/2138 (7244/970)	16056/2145 (7283/973)
	2.3	Axle loading, unladen front/rear	lb (kg)	3020/4815 (1370/2184)	3108/4985 (1410/2261)	3274/5135 (1485/2329)	3373/5293 (1530/2401)	3805/5706 (1726/2588)	3840/5763 (1742/2614)	4103/6290 (1861/2853)	4140/6310 (1878/2862)
Tires & Chassis	3.1	Tires front/rear		pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tire size, front		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
	3.3	Tire size, rear		6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels, number front/rear		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Tread, front	b10 in (mm)	38.2 (970)	38.2 (970)	38.2 (970)	38.2 (970)	39.4 (1000)	39.4 (1000)	39.4 (1000)	39.4 (1000)
	3.7	Tread, rear	b11 in (mm)	38.6 (980)	38.6 (980)	38.6 (980)	38.6 (980)	38.2 (970)	38.2 (970)	38.2 (970)	38.2 (970)
Dimensions	4.1	Tilt of mast/fork carriage, forward /backward	α /β (°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 in (mm)	79.1 (2010)	79.1 (2010)	79.1 (2010)	79.1 (2010)	84.6 (2150)	84.6 (2150)	84.6 (2150)	84.6 (2150)
	4.3	Free lift	h2 in (mm)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)	6.5 (165)	6.5 (165)	6.7 (170)	6.7 (170)
	4.4	Lift	h3 in (mm)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)
	4.5	Height, mast extended	h4 in (mm)	140.7 (3575)	140.7 (3575)	140.7 (3575)	140.7 (3575)	143.3 (3640)	143.3 (3640)	145.7 (3700)	145.7 (3700)
	4.7	Height of overhead guard	h6 in (mm)	86 (2180)	86 (2180)	86 (2180)	86 (2180)	87 (2205)	87 (2205)	87 (2205)	87 (2205)
	4.8	Seat height/stand height	h7 in (mm)	47 (1190)	47 (1190)	47 (1190)	47 (1190)	48 (1215)	48 (1215)	48 (1215)	48 (1215)
	4.12	Towing coupling height	h10 in (mm)	9.8 (250)	9.8 (250)	9.8 (250)	9.8 (250)	10.2 (260)	10.2 (260)	10.2 (260)	10.2 (260)
	4.19	Overall length	l1 in (mm)	143 (3630)	143 (3630)	145.3 (3692)	145.3 (3692)	148.1 (3763)	148.1 (3763)	151.7 (3853)	151.7 (3853)
	4.20	Length to face of forks	l2 in (mm)	100.8 (2560)	100.8 (2560)	103.2 (2622)	103.2 (2622)	106 (2693)	106 (2693)	109.6 (2783)	109.6 (2783)
	4.21	Overall width	b1 in (mm)	45.7 (1160)	45.7 (1160)	45.7 (1160)	45.7 (1160)	48.3 (1228)	48.3 (1228)	48.3 (1228)	48.3 (1228)
	4.22	Fork dimensions ISO2331	s/e/l in (mm)	1.6/4.8/42 (40/122/1070)	1.6/4.8/42 (40/122/1070)	1.6/4.8/42 (40/122/1070)	1.6/4.8/42 (40/122/1070)	1.8/4.8/42 (45/122/1070)	1.8/4.8/42 (45/122/1070)	2/4.8/42 (50/122/1070)	2/4.8/42 (50/122/1070)
	4.23	Fork carriage ISO 2328. Class/type, A/B		IIA	IIA	IIA	IIA	IIIA	IIIA	IIIA	IIIA
	4.24	Fork carriage width	b3 in (mm)	40.9 (1040)	40.9 (1040)	40.9 (1040)	40.9 (1040)	43.3 (1100)	43.3 (1100)	43.3 (1100)	43.3 (1100)
	4.31	Ground clearance, laden, below mast	m1 in (mm)	4.9 (125)	4.9 (125)	4.9 (125)	4.9 (125)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	4.32	Ground clearance, center of wheelbase	m2 in (mm)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)	6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)
	4.33	Load dimension b 12 x l 6 crossways	b 12 x l 6 in (mm)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)	39.4*39.4 (1000*1000)
	4.34.1	Aisle width with pallets 40 in x 48 in crossways	Ast in (mm)	156.4 (3972)	156.4 (3972)	158.4 (4023)	158.4 (4023)	162.8 (4136)	162.8 (4136)	166.3 (4225)	166.3 (4225)
	4.35	Turning radius	Wa in (mm)	90.4 (2296)	90.4 (2296)	92.4 (2347)	92.4 (2347)	96.3 (2445)	96.3 (2445)	99 (2515)	99 (2515)
	4.36	Inner turning radius	b13 in (mm)	29.3 (745)	29.3 (745)	29.3 (745)	29.3 (745)	32.4 (823)	32.4 (823)	32.4 (823)	32.4 (823)
Performance Data	5.1	Travel speed, laden/unladen	mph (km/h)	9.3/9.3 (15/15)	11.8/11.8 (19/19)	9.3/9.3 (15/15)	11.8/11.8 (19/19)	9.3/9.3 (15/15)	11.8/11.8 (19/19)	9.3/9.3 (15/15)	11.8/11.8 (19/19)
	5.1.1	Travel speed, laden / unladen, backwards	mph (km/h)	7.5/7.5 (12/12)	10/10 (16/16)	7.5/7.5 (12/12)	10/10 (16/16)	7.5/7.5 (12/12)	10/10 (16/16)	7.5/7.5 (12/12)	10/10 (16/16)
	5.2	Lifting speed, laden/unladen	ft/min (mm/s)	79/85 (400/430)	100/106 (510/540)	79/85 (400/430)	100/106 (510/540)	69/75 (350/380)	85/98 (430/500)	69/75 (350/380)	85/98 (430/500)

	1.2	Model		ERP40MXLG	ERP40XMXLG	ERP50MXLG	ERP50MXLG	ERP60MXLG	ERP60MXLG	ERP70MXLG	ERP70MXLG
	5.3	Lowering speed laden/unladen	ft/min (mm/s)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)	83/98 (420/500)
	5.5	Drawbar pull laden/unladen	LBF (N)	3596/2922 (16000/13000)	4271/3372 (19000/15000)	3822/3372 (17000/15000)	5170/3597 (23000/16000)	4271/3597 (19000/16000)	5845/3822 (26000/17000)	4271/3597 (19000/16000)	6070/3822 (27000/17000)
	5.8	Maximum gradeability, laden/unladen	%	15/15	20/20	15/15	20/20	15/15	20/20	15/15	20/20
	5.9	Acceleration time, laden/unladen yd 16.4	sec	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Electric Engine	6.1	Drive motor rating S2 60 min	hp (Kw)	20.1 (15)	29 (21.6)	20.1 (15)	29 (21.6)	20.1 (15)	29 (21.6)	20.1 (15)	29 (21.6)
	6.2	Lift motor rating at S3 15 %	hp (Kw)	20.1 (15)	30.3 (22.6)	20.1 (15)	30.3 (22.6)	20.1 (15)	30.3 (22.6)	20.1 (15)	30.3 (22.6)
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		no	no	no	no	no	no	no	no
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah)	115.9V/228Ah	154.5V/228Ah	115.9V/228Ah	154.5V/228Ah	115.9V/228Ah	154.5V/228Ah	115.9V/228Ah	154.5V/228Ah
	6.5	Battery weight	lb (kg)	604 (274)	785 (356)	604 (274)	785 (356)	604 (274)	785 (356)	604 (274)	785 (356)
	6.6	Energy consumption according to VDI cycle	kWh/h	4.8	5.7	5.1	6.2	5.8	6.5	6.4	7.1
	6.7	Turnover output	t/h	136.3	163.6	146.4	174.7	166.6	193.9	181.8	212.1
	6.8	Energy consumption at turnover output	kWh in 1 h	5.9	5.9	6.3	6.3	7.2	6.6	7.8	7.2
	8.1	Type of drive unit		PM AC	PM AC	PM AC	PM AC	PM AC	PM AC	PM AC	PM AC
Additional Data	10.1	Operating pressure for attachments	psi (bar)	2030 (140)	2030 (140)	2030 (140)	2030 (140)	2030 (140)	2030 (140)	2030 (140)	2030 (140)
	10.2	Oil volume for attachments	gal/min (l/min)	16.9 (64)	16.9 (64)	16.9 (64)	16.9 (64)	16.9 (64)	16.9 (64)	16.9 (64)	16.9 (64)
	10.7	Sound pressure level at the driver's seat	dB (A)	66	66	66	66	66	66	66	66
	10.7.1	Sound power level during the workcycle	dB (A)	82	81	82	81	82	81	82	81
	10.8	Towing coupling, type DIN		PIN	PIN	PIN	PIN	PIN	PIN	PIN	PIN

NOTES:

(4.5) Without load backrest

(4.7) h6 subject to +/-0.2" (5mm) tolerance

(4.8) Full suspension seat in depressed position

(4.24) Add 1.25" (32mm) with load backrest

(10.2) Variable

(10.7.1) LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053

Specification data is based on VDI 2198, with the following configuration: Complete truck with 118.1" (3000mm) 2-stage limited free lift mast, standard carriage and 42" (1070mm) forks, overhead guard and standard pneumatic drive and steer tires. CERTIFICATION: Hyster 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. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

MAST DATA

ERP40MXLG 4000lbs Capacities @ 24in Load Center

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
							Without sideshift (lbs)	With sideshift (lbs)	Without sideshift (lbs)	With sideshift (lbs)
2 Stage Limited Free Lift	118.1	79.1	140.7	157.1	6.3	12	3950	3900	3950	3900
	129.9	85	152.6	168.9	6.3	12	3950	3900	3950	3900
	137.8	89	160.4	176.8	6.3	12	3950	3900	3950	3900
2 Stage Full Free Lift	157.5	100.8	180.1	196.5	6.3	6	3950	3850	3950	3850
	118.1	79.1	141.3	157.1	55.9	12	3950	3850	3950	3850
	129.9	85	153.1	168.9	61.8	12	3950	3800	3950	3800
3 Stage Full Free Lift	137.8	89	161	176.8	65.7	12	3950	3800	3950	3800
	171.3	79.1	191.6	210.2	54.7	6	3700	3600	3700	3600
	177.2	81.1	197.5	216.1	56.7	6	3650	3550	3650	3550
3 Stage Full Free Lift	189	85	209.3	228	60.6	6	3550	3400	3400 (3550~)	3300 (3400~)
	196.9	89	217.2	235.8	64.6	6	3450	3350	3000 (3450~)	2900 (3350~)
	216.5	95.5	236.9	255.5	70.9	6	3250	3150	2100 (3250~)	2000 (3100~)
3 Stage Full Free Lift	236.2	102.8	256.6	275.2	78.3	6	2450 (3050~)	2300 (2900~)	1450 (2600~)	1300 (2500~)
	255.9	111.2	276.3	294.9	87.2	6	1750 (2800~)	1600 (2700~)	950 (1950~)	750 (1800~)
	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Back Tilt (°)				
2 Stage Limited Free Lift	3000	2010	3575	3990	160	12				
	3300	2160	3875	4290	160	12				
	3500	2260	4075	4490	160	12				
2 Stage Full Free Lift	4000	2560	4575	4990	160	6				
	3000	2010	3590	3990	1420	12				
	3300	2160	3890	4290	1570	12				
3 Stage Full Free Lift	3500	2260	4090	4490	1670	12				
	4350	2010	4867	5340	1390	6				
	4500	2060	5017	5490	1440	6				
3 Stage Full Free Lift	4800	2160	5317	5790	1540	6				
	5000	2260	5517	5990	1640	6				
	5500	2425	6017	6490	1800	6				
3 Stage Full Free Lift	6000	2610	6517	6990	1990	6				
	6500	2825	7017	7490	2215	6				

NOTES:
 Cell with ~ equals dual tread specification
 Approximate capacity shown at 24in load center, fork with 42 in and 154V version. Actual truck capacity dependent upon equipped options. Contact your dealer for more information.

ERP50MXLG 5000lbs Capacities @ 24in Load Center

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
							Without sideshift (lbs)	With sideshift (lbs)	Without sideshift (lbs)	With sideshift (lbs)
2 Stage Limited Free Lift	118.1	79.1	140.7	157.1	6.3	12	5000	4850	5000	4850
	129.9	85	152.6	168.9	6.3	12	5000	4850	5000	4850
	137.8	89	160.4	176.8	6.3	12	5000	4850	5000	4850
2 Stage Full Free Lift	157.5	100.8	180.1	196.5	6.3	6	4950	4800	4950	4800
	118.1	79.1	141.3	157.1	55.9	12	4950	4800	4950	4800
	129.9	85	153.1	168.9	61.8	12	4950	4800	4950	4800
3 Stage Full Free Lift	137.8	89	161	176.8	65.7	12	4950	4800	4950	4800
	171.3	79.1	191.6	210.2	54.7	6	4050	3900	4050	3900
	177.2	81.1	197.5	216.1	56.7	6	4000	3850	4000	3850

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
	189	85	209.3	228	60.6	6	3900	3750	3850	3750
	196.9	89	217.2	235.8	64.6	6	3800	3650	3750 (3800~)	3700 (3650~)
	216.5	95.5	236.9	255.5	70.9	6	3550 (3600~)	3450	2800 (3550~)	2700 (3450~)
	236.2	102.8	256.6	275.2	78.3	6	2700 (3350~)	2600 (3250~)	2000 (3250~)	1850 (3150~)
	255.9	111.2	276.3	294.9	87.2	6	1900 (3100~)	1800 (3000~)	1350 (2450~)	1200 (2350~)
	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Back Tilt (°)				
2 Stage Limited Free Lift	3000	2010	3575	3990	160	12				
	3300	2160	3875	4290	160	12				
	3500	2260	4075	4490	160	12				
	4000	2560	4575	4990	160	6				
2 Stage Full Free Lift	3000	2010	3590	3990	1420	12				
	3300	2160	3890	4290	1570	12				
	3500	2260	4090	4490	1670	12				
3 Stage Full Free Lift	4350	2010	4867	5340	1390	6				
	4500	2060	5017	5490	1440	6				
	4800	2160	5317	5790	1540	6				
	5000	2260	5517	5990	1640	6				
	5500	2425	6017	6490	1800	6				
	6000	2610	6517	6990	1990	6				
	6500	2825	7017	7490	2215	6				

NOTES:

Cell with ~ equals dual tread specification

Approximate capacity shown at 24in load center, fork with 42 in and 154V version. Actual truck capacity dependent upon equipped options. Contact your dealer for more information.

ERP60MXLG 6000lbs Capacities @ 24in Load Center

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
							Without sideshift (lbs)	With sideshift (lbs)	Without sideshift (lbs)	With sideshift (lbs)
2 Stage Limited Free Lift	118.1	81.7	143.3	161.4	6.5	12	6000	5850	6000	5850
	129.9	87.6	155.1	173.2	6.5	12	6000	5850	6000	5850
	137.8	91.5	163	181.1	6.5	12	6000	5850	6000	5850
	157.5	103.3	182.7	200.8	6.5	6	6000	5800	6000	5800
2 Stage Full Free Lift	118.1	81.7	143.7	161.4	56.1	12	5950	5800	5950	5800
	129.9	87.6	155.5	173.2	62	12	5950	5800	5950	5800
	137.8	91.5	163.4	181.1	65.9	12	5950	5750	5950	5750
3 Stage Full Free Lift	171.3	81.7	194.9	214.6	58.1	6	5500	5350	5500	5350
	177.2	83.7	200.8	220.5	60	6	5450	5300	5450	5300
	189	87.6	212.6	232.3	64	6	5300	5150	5300	5150
	196.9	91.5	220.5	240.2	67.9	6	5200	5050	5050 (5200~)	5000 (5050~)
	216.5	98	240.2	259.8	74	6	4150 (4950~)	4050 (4850~)	3900 (4950~)	3800 (4800~)
	236.2	105.3	259.8	279.5	81.7	6	3150 (4700~)	3000 (4550~)	2950 (4650~)	2850 (4500~)
	255.9	113.8	279.5	299.2	89	6	2300 (4400~)	2150 (4250~)	2150 (3750~)	2050 (3650~)
	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Back Tilt (°)				
2 Stage Limited Free Lift	3000	2075	3640	4100	165	12				
	3300	2225	3940	4400	165	12				
	3500	2325	4140	4600	165	12				
	4000	2625	4640	5100	165	6				
2 Stage Full Free Lift	3000	2075	3650	4100	1425	12				
	3300	2225	3950	4400	1575	12				
	3500	2325	4150	4600	1675	12				

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
3 Stage Full Free Lift	4350	2075	4950	5450	1475	6				
	4500	2125	5100	5600	1525	6				
	4800	2225	5400	5900	1625	6				
	5000	2325	5600	6100	1725	6				
	5500	2490	6100	6600	1880	6				
	6000	2675	6600	7100	2075	6				
	6500	2890	7100	7600	2260	6				

NOTES:

Cell with ~ equals dual tread specification
 Approximate capacity shown at 24in load center, fork with 42 in and 154V version. Actual truck capacity dependent upon equipped options. Contact your dealer for more information.

ERP70MXLG 7000lbs Capacities @ 24in Load Center

	Max Fork Height (in)	Lowered Height (in)	Extended Height without LBR (in)	Extended Height with LBR (in)	Free Lift Height without LBR (in)	Back Tilt (°)	Pneumatic Shaped Solid Tires	Pneumatic Shaped Solid Tires	Pneumatic Tires	Pneumatic Tires
							Without sideshift (lbs)	With sideshift (lbs)	Without sideshift (lbs)	With sideshift (lbs)
2 Stage Limited Free Lift	118.1	84.6	145.7	161.4	6.7	12	6900	6800	6900	6800
	129.9	90.6	157.5	173.2	6.7	12	6900	6800	6900	6800
	137.8	94.5	165.4	181.1	6.7	12	6900	6750	6900	6750
2 Stage Full Free Lift	157.5	106.3	185	200.8	6.7	6	6800	6600	6800	6600
	118.1	84.6	144.9	161.4	57.9	12	6900	6800	6900	6800
	129.9	90.6	156.7	173.2	63.8	12	6900	6750	6900	6750
3 Stage Full Free Lift	137.8	94.5	164.6	181.1	67.7	12	6900	6750	6900	6750
	171.3	84.6	196.5	214.6	59.4	6	6900	6800	6900	6800
	177.2	86.6	202.4	220.5	61.4	6	6850	6700	6500 (6850~)	6450 (6700~)
3 Stage Full Free Lift	189	90.6	214.2	232.3	65.4	6	6550 (6700~)	6500 (6550~)	5800 (6700~)	5750 (6550~)
	196.9	94.5	222	240.2	69.3	6	6050 (6600~)	6000 (6450~)	5350 (6600~)	5300 (6450~)
	216.5	101	241.7	259.8	75.4	6	4950 (6350~)	4900 (6200~)	4350 (6150~)	4300 (6150~)
	236.2	108.3	261.4	279.5	83.1	6	4050 (6000~)	3950 (5850~)	3500 (5250~)	3400 (5250~)
	255.9	116.1	281.1	299.2	90.2	6	3200 (5250~)	3150 (5200~)	2800 (4500~)	2700 (4450~)
	Max Fork Height (mm)	Lowered Height (mm)	Extended Height without LBR (mm)	Extended Height with LBR (mm)	Free Lift Height without LBR (mm)	Back Tilt (°)				
2 Stage Limited Free Lift	3000	2150	3700	4100	170	12				
	3300	2300	4000	4400	170	12				
	3500	2400	4200	4600	170	12				
	4000	2700	4700	5100	170	6				
2 Stage Full Free Lift	3000	2150	3680	4100	1470	12				
	3300	2300	3980	4400	1620	12				
	3500	2400	4180	4600	1720	12				
3 Stage Full Free Lift	4350	2150	4990	5450	1510	6				
	4500	2200	5140	5600	1560	6				
	4800	2300	5440	5900	1660	6				
	5000	2400	5640	6100	1760	6				
	5500	2565	6140	6600	1915	6				
	6000	2750	6640	7100	2110	6				
	6500	2965	7140	7600	2290	6				

NOTES:

Cell with ~ equals dual tread specification
 Approximate capacity shown at 24in load center, fork with 42 in and 154V version. Actual truck capacity dependent upon equipped options. Contact your dealer for more information.

OPTIONS TABLE

Available Options - North America

Description	Standard	Optional
PERFORMANCE	STD	OPT
115 Volt electrical system with Rema Connection	X	
154 Volt electrical system with GB Connection		X
Standard Construction	X	
Drum Brakes	X	
Antistatic Strap	X	
115V 228Ah (26.2kWh) Integrated Li-ion battery	X	
115V/100A Three Phase Lithium Ion LFP CACTi charger with REMA160A Connector (input 220V / 480V / 600V)	X	
154V 228Ah(35.1kWh) Integrated Li-ion battery		X
154V/100A Three Phase Lithium Ion LFP CACTi charger with GB 125A Connector (input 220V / 480V / 600V)		X
154V/150A Three Phase Lithium Ion LFP CACTi charger with GB 200A Connector (input 220V / 480V / 600V)		X
Battery Disconnect	X	
OPERATION	STD	OPT
Key Switch Start	X	
Traction Speed Limiter	X	
Operator Presence System (OPS)	X	
Manual Park Brake	X	
DRIVE	STD	OPT
Directional Lever	X	
Foot Direction Control Pedal		X
Standard Tread	X	
Dual Tread		X
Tires - Super Elastic		X
Tires - Super Elastic Non-Marking		X
Tires - PR Pneumatic	X	
LIFT	STD	OPT
2 Stage Limited Free Lift (LFL)- Class II / III	X	
2 Stage Full Free Lift (FFL) - Class II / III		X
3 Stage Full Free Lift (FFL) - Class II / III		X
Mast tilt - 6° Forward / 12° Back	X	
Mast tilt - 6° Forward / 6° Back		X
With Tilt Cylinder Boots	X	
HANDLING	STD	OPT
Hook Type Carriage - 40.9" (1038mm) Class II	X	
Hook Type Carriage - 43.3" (1100mm) Class III	X	
Hook Type Carriage - 47.2" (1200mm) Class II		X
Hook Type Carriage - 47.2" (1200mm) Class III		X
Hook Type Integral Sideshift Carriage - 40.9" (1040mm) Class II		X
Hook Type Integral Side Shift Carriage - 43.3" (1100mm) Class III		X
Without Carriage		X
Without Load Backrest		X
37.0" (940mm) Load Backrest - Class II		X
42.5" (1080mm) Load Backrest - Class III		X
2 Function (0 Auxiliary) Hydraulic Valve		X
3 Function (1 Auxiliary) Hydraulic Valve	X	
4 Function (2 Auxiliary) Hydraulic Valve		X
3 Function Hose Group (1 Auxiliary)		X
4 Function Hose Group (2 Auxiliary)		X
Manual lever hydraulic controls	X	

Description	Standard	Optional
Clamping Function		X
Hook Type Standard Forks - 42" (1070mm)	X	
Hook Type Standard Forks - 48" (1220mm)		X
Hook Type Standard Forks - 54" (1370mm)		X
Hook Type Standard Forks - 60" (1520mm)		X
Hook Type Standard Forks - 72" (1820mm)		X
Hook Type Standard Forks - 78" (1970mm)		X
Hook Type Standard Forks - 83" (2120mm)		X
Hook Type Standard Forks - 87" (2220mm)		X
Hook Type Standard Forks - 91" (2300mm)		X
Hook Type Standard Forks - 96" (2440mm)		X
CAB	STD	OPT
Full Steel Cab with Heater		X
Cab without Heater		X
Front & Top Cab Panels		X
Front, Top & Rear Cab Panels		X
Dual Mirrors Side View	X	
Rear Drive Handle with Horn Button		X
ERGONOMICS	STD	OPT
85.8" (2180mm) Overhead Guard ERP40-50MXLG	X	
86.8" (2205mm) Overhead Guard ERP60-70MXLG	X	
Non Suspension Vinyl Seat	X	
Full Suspension Vinyl Seat with Switch for OPS		X
Standard Seat Belt with Interlock	X	
Steering wheel with spinner knob	X	
VISIBILITY	STD	OPT
LED work lights	X	
2 Front LED Work Lights with Stop, Tail, Indicator & Reverse Lights	X	
2 Front and 1 Rear LED Work Lights with Stop, Tail, Indicator & Reverse Lights		X
Amber Strobe Light - Ignition and Switch Activated		X
Audible Reverse Alarm		X
Parking Alarm	X	
APPEARANCE	STD	OPT
Yale gold paint base truck	X	
SUPPLEMENTAL	STD	OPT
12 month / 2,000 hour full truck warranty	X	
36 month / 6,000 hour powertrain warranty	X	
5 years / 3000 cycles Integrated Li-ion Battery Warranty	X	
2 years Li-ion Charger Warranty	X	
Operating manual	X	

BATTERIES AND CHARGERS

Yale Lithium-Ion Battery Specifications

Nominal Voltage	V	115.9V/228Ah	154.5V/228Ah
Chemistry		Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Nominal Energy Capacity	kWh	26.4	35.2
Charging Temperature	°F (°C)	32 to 113 (0 to 45)	32 to 113 (0 to 45)
Operating Temperature	°F (°C)	14 to 113 (-10 to 45)	14 to 113 (-10 to 45)
IP Rating		IP54	IP54
3rd Party Rating		UL Listed	UL Listed

NOTES:

* Operating performance may be restricted below -14°F (-10°C) please consult the Operator Manual.

Charger Specifications

DC Output Specs	Part Number		81023941	81023942	69203234	69208857	81023862	69203235	69208858
	Rated Output Voltage	V	115	154	115	154	154	115	154
	Output current	A	100	100	100	100	150	100	100
	Typical output power	kW	13.8	18	13.8	17.5	20	13.8	18
	20-80% Charge Time Estimate*	h	1.4	1.4	1.4	1.4	1.0	1.4	1.4
	Output Connector		GB/T	GB/T	GB/T	GB/T	GB/T	GB/T	GB/T
	Protection**		Yes	Yes	Yes	Yes	Yes	Yes	Yes
3 Phase AC Input Specs	Input Voltage	VAC	220	220	480	480	480	600	600
	Input Current***	A	45.8	59.7	21	27.4	30.4	16.8	21.9
	Typical Grid Power Required	KVA	20.1	26.3	20.1	25.6	29.2	20.1	26.3
	Cable Length / Connector	ft (m)	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	11 (3) / Customer Provided Connector	12 (3) / Customer Provided Connector	13 (3) / Customer Provided Connector
Form Factor	Exterior Dimensions (LxWxH)	in (mm)	22 x 14 x 37 (558 x 353 x 948)	22 x 13 x 44 (558 x 353 x 1128)	24 x 17 x 32 (618 x 435 x 815)	24 x 17 x 32 (618 x 435 x 815)	24 x 17 x 32 (618 x 435 x 815)	24 x 17 x 43 (618 x 430 x 1100)	24 x 17 x 43 (618 x 430 x 1100)
	Weight	lb (kg)	232 (107)	297 (135)	165 (75)	165 (75)	165 (75)	359 (163)	359 (163)
Environmental Conditions	Working environment temperature	°F (°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)
	Storage temperature	°F (°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)
	Relative humidity	%	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%
	Altitude	ft (m)	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated
	Ingress Protection Rating		IP54	IP54	IP54	IP54	IP54	IP54	IP54
Other	3rd Party Rating		UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant	UL 1564 Compliant
	Warranty Term****		Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTES:

* Periodic full discharge and charge needed to balance cells and maintain battery warranty. See full warranty statement for complete details

** Short circuit, overcurrent, overvoltage, reverse connection, current backflow protection, isolation

*** Breaker typically 25% greater than input current, consult electrical professional for your situation

****2 Year Warranty, Terms and Conditions Apply. See full warranty statement for complete details.



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