



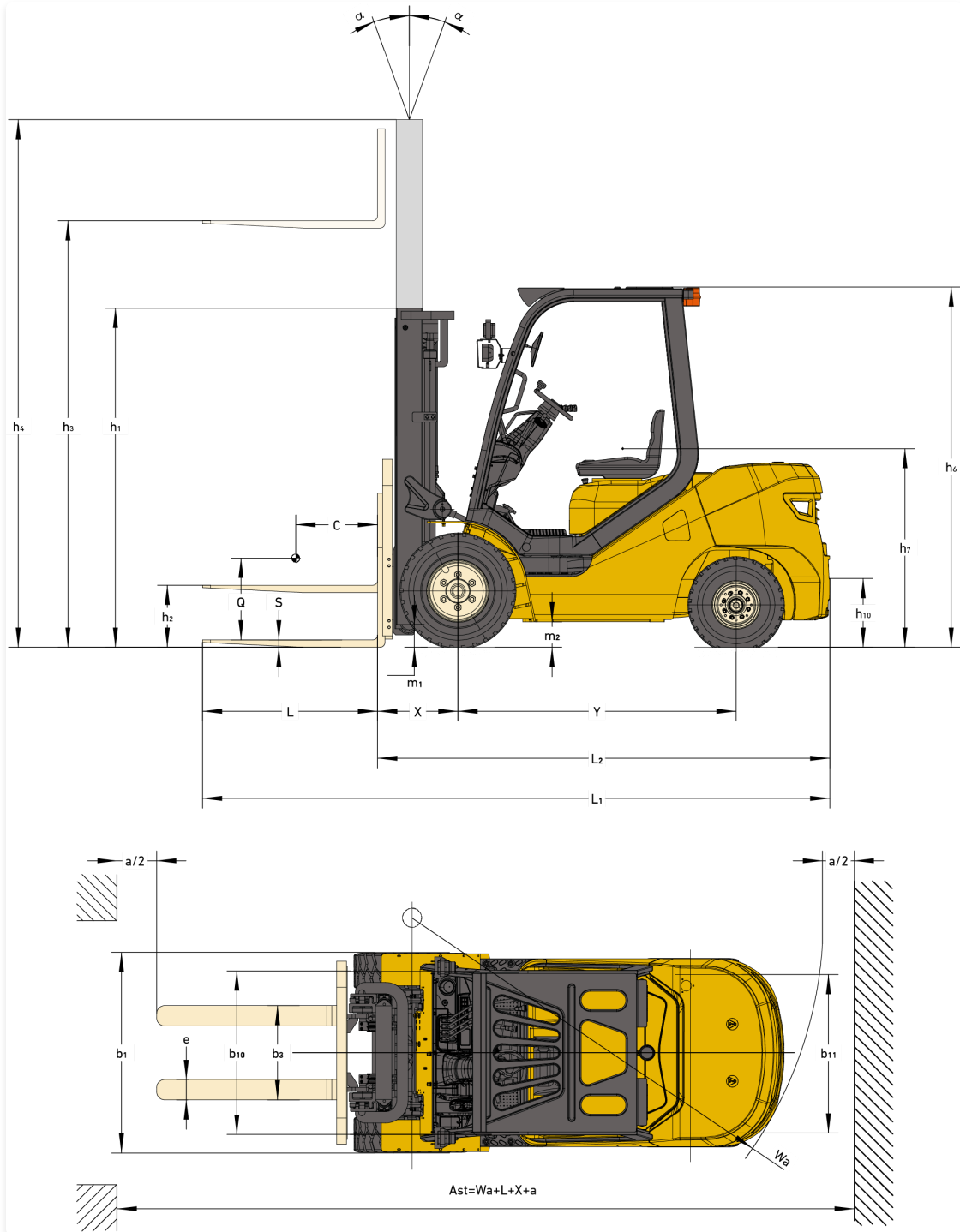
ERP2.0-3.5MXLG SERIES

INTEGRATED LITHIUM-ION COUNTERBALANCE
FORKLIFT

TECHNICAL SPECIFICATIONS



TRUCK DIAGRAM



TECHNICAL DATA

ERP2.0-2.5MXLG

DESCRIPTION	1.2	MODEL DESIGNATION		ERP2.0MXLG 80V	ERP2.0MXLG 115V	ERP2.0MXLG 154V	ERP2.5MXLG 80V	ERP2.5MXLG 115V	ERP2.5MXLG 154V
Distinguishing Mark	1.1	Manufacturer		Yale	Yale	Yale	Yale	Yale	Yale
	1.3	Drive		Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator Type		Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q (kg)	2000	2000	2000	2500	2500	2500
	1.6	Load Centre Distance	c (mm)	500	500	500	500	500	500
	1.8	Load Distance, Centre Of Drive Axle To Fork	x (mm)	476	476	476	476	476	476
	1.9	Wheelbase (With Mast Vertical)	y (mm)	1600	1600	1600	1600	1600	1600
Weight	2.1	Service Weight	kg	3555	3515	3645	3815	3775	3905
	2.2	Axle Loading, Laden Front/Rear	kg	4901/654	4865/650	4980/665	5569/744	5535/740	5650/755
	2.3	Axle Loading, Unladen Front/Rear	kg	1370/2185	1355/2160	1400/2245	1485/2330	1470/2305	1520/2385
Tyres, Chassis	3.1	Tyres Front/Rear		pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tyre Size, Front		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.3	Tyre Size, Rear		6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR
	3.5	Wheels, Number Front/Rear		2/2	2/2	2/2	2/2	2/2	2/2
	3.6	Tread, Front	b10 (mm)	970	970	970	970	970	970
	3.7	Tread, Rear	b11 (mm)	980	980	980	980	980	980
Dimensions	4.1	Tilt Of Mast/Fork Carriage, Forward/Backward	α / β (°)	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, Mast Lowered	h1 (mm)	2010	2010	2010	2010	2010	2010
	4.3	Free Lift	h2 (mm)	160	160	160	160	160	160
	4.4	Lift	h3 (mm)	3000	3000	3000	3000	3000	3000
	4.5	Height, Mast Extended (1)	h4 (mm)	3990	3990	3990	3990	3990	3990
	4.7	Height Of Overhead Guard (Cabin) (2)	h6 (mm)	2180	2180	2180	2180	2180	2180
	4.8	Seat Height/Stand Height (3)	h7 (mm)	1190	1190	1190	1190	1190	1190
	4.12	Towing Coupling Height	h10 (mm)	250	250	250	250	250	250
	4.19	Overall Length	l1 (mm)	3642	3630	3630	3702	3692	3692
	4.2	Length To Face Of Forks	l2 (mm)	2572	2560	2560	2632	2622	2622
	4.21	Overall Width	b1 (mm)	1160/1590	1160/1590	1160/1590	1160/1590	1160/1590	1160/1590
	4.22	Fork Dimensions ISO 2331	s/e/l (mm)	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070	40/122/1070
	4.23	Fork Carriage ISO 2328, Class/Type A/B		I/A	I/A	I/A	I/A	I/A	I/A
	4.24	Fork Carriage Width (4)	b3 (mm)	1040	1040	1040	1040	1040	1040
	4.31	Ground Clearance, Laden, Below Mast	m1 (mm)	125	125	125	125	125	125
	4.32	Ground Clearance, Centre Of Wheelbase	m2 (mm)	130	130	130	130	130	130
	4.33	Load Dimension b12 x l6 Crossways	b 12 x l 6 (mm)	1000*1000	1000*1000	1000*1000	1000*1000	1000*1000	1000*1000
	4.34.1	Aisle Width With Pallets 1000mm x 1200mm Crossways	Ast (mm)	3981	3972	3972	4034	4023	4023
	4.34.2	Aisle Width With Pallets 800mm x 1200mm Lengthways	Ast (mm)	4181	4172	4172	4234	4223	4223
	4.35	Turning Radius	Wa (mm)	2305	2296	2296	2358	2347	2347
	4.36	Inner Turning Radius	b13 (mm)	745	745	745	745	745	745
Performance Data	5.1	Travel Speed, Laden/Unladen	km/h	14/15	15/15	19/19	14/15	15/15	19/19
	5.1.1	Travel Speed, Laden/Unladen, Backwards	km/h	12/12	12/12	16/16	12/12	12/12	16/16
	5.2	Lifting Speed, Laden/Unladen	mm/s	400/430	400/430	510/540	400/430	400/430	510/540
	5.3	Lowering Speed, Laden/Unladen	mm/s	420/500	420/500	420/500	420/500	420/500	420/500
	5.5	Drawbar Pull, Laden/Unladen	N	16000/13000	16000/13000	19000/15000	17000/15000	17000/15000	23000/16000
	5.8	Maximum Gradeability, Laden/Unladen	%	15/15	15/15	20/20	15/15	15/15	20/20

DESCRIPTION	1.2	MODEL DESIGNATION		ERP2.0MXLG 80V	ERP2.0MXLG 115V	ERP2.0MXLG 154V	ERP2.5MXLG 80V	ERP2.5MXLG 115V	ERP2.5MXLG 154V
	5.9	Acceleration Time, Laden/Unladen, 15m	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
	5.1	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Electric Engine	6.1	Drive Motor Rating S2 60 min	Kw	15	15	21.6	15	15	21.6
	6.2	Lift Motor Rating S3 15 %	Kw	22.6	15	22.6	22.6	15	22.6
	6.3	Battery According To DIN 43531/35/36 A, B, C, No		no	no	no	no	no	no
	6.4	Battery Voltage/Nominal Capacity K5	(V)/(Ah)	80V/350Ah	115.2V/228Ah	153.6V/228Ah	80V/350Ah	115.2V/228Ah	153.6V/228Ah
	6.5	Battery Weight	kg	285	230	330	285	230	330
	6.6	Energy Consumption According To VDI Cycle	kWh/h	5.8	4.75	5.4	5.8	5.1	5.78
	6.7	Turnover Output	t/h	173	135	162	173	145	173
	6.8	Energy Consumption At Turnover Output	kWh in 1 h	6.02	5.8	5.7	6.02	6.27	5.9
Additional Data	8.1	Type Of Drive Unit		PM AC	PM AC	PM AC	PM AC	PM AC	PM AC
	10.1	Operating Pressure For Attachments	bar	140	140	140	140	140	140
	10.2	Oil Volume For Attachments (5)	l/min	64	64	64	64	64	64
	10.7	Sound Pressure Level At The Driver's Seat	dB (A)	66	66	66	66	66	66
	10.8	Towing Coupling, Type DIN		PIN	PIN	PIN	PIN	PIN	PIN

ERP3.0-3.5MXLG

DESCRIPTION	1.2	MODEL DESIGNATION		ERP3.0MXLG 80V	ERP3.0MXLG 115V	ERP3.0MXLG 154V	ERP3.5MXLG 80V	ERP3.5MXLG 115V	ERP3.5MXLG 154V
Distinguishing Mark	1.1	Manufacturer		Yale	Yale	Yale	Yale	Yale	Yale
	1.3	Drive		Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator Type		Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q (kg)	3000	3000	3000	3500	3500	3500
	1.6	Load Centre Distance	c (mm)	500	500	500	500	500	500
	1.8	Load Distance, Centre Of Drive Axle To Fork	x (mm)	491	491	491	510	510	510
	1.9	Wheelbase (With Mast Vertical)	y (mm)	1700	1700	1700	1700	1700	1700
Weight	2.1	Service Weight	kg	4375	4275	4330	4805	4675	4730
	2.2	Axle Loading, Laden Front/Rear	kg	6505/870	6416/859	6465/865	7325/980	7210/965	7260/970
	2.3	Axle Loading, Unladen Front/Rear	kg	1750/2625	1710/2565	1732/2598	1897/2908	1846/2829	1868/2862
Tyres, Chassis	3.1	Tyres Front/Rear		pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tyre Size, Front		28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
	3.3	Tyre Size, Rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels, Number Front/Rear		2/2	2/2	2/2	2/2	2/2	46055
	3.6	Tread, Front	b10 (mm)	1000	1000	1000	1000	1000	1000
	3.7	Tread, Rear	b11 (mm)	970	970	970	970	970	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
	4.2	Height, Mast Lowered	h1 (mm)	2150	2150	2150	2150	2150	2150
	4.3	Free Lift	h2 (mm)	165	165	165	170	170	170
	4.4	Lift	h3 (mm)	3000	3000	3000	3000	3000	3000
	4.5	Height, Mast Extended (1)	h4 (mm)	4100	4100	4100	4100	4100	4100
	4.7	Height Of Overhead Guard (Cabin) (2)	h6 (mm)	2205	2205	2205	2205	2205	2205
	4.8	Seat Height/Stand Height (3)	h7 (mm)	1215	1215	1215	1215	1215	1215
	4.12	Towing Coupling Height	h10 (mm)	260	260	260	260	260	260
	4.19	Overall Length	l1 (mm)	3813	3763	3763	3902	3853	3853
	4.2	Length To Face Of Forks	l2 (mm)	2743	2693	2693	2832	2783	2783
	4.21	Overall Width	b1 (mm)	1228/1730	1228/1730	1228/1730	1228/1730	1228/1730	1228/1730
	4.22	Fork Dimensions ISO 2331	s/e/l (mm)	45/122/1070	45/122/1070	45/122/1070	50/122/1070	50/122/1070	50/122/1070
4.23	Fork Carriage ISO 2328, Class/Type A/B		IIIA	IIIA	IIIA	IIIA	IIIA	IIIA	
4.24	Fork Carriage Width (4)	b3 (mm)	1100	1100	1100	1100	1100	1100	
4.31	Ground Clearance, Laden, Below Mast	m1 (mm)	140	140	140	140	140	140	

DESCRIPTION	1.2	MODEL DESIGNATION		ERP3.0MXLG 80V	ERP3.0MXLG 115V	ERP3.0MXLG 154V	ERP3.5MXLG 80V	ERP3.5MXLG 115V	ERP3.5MXLG 154V
	4.32	Ground Clearance, Centre Of Wheelbase	m2 (mm)	155	155	155	155	155	155
	4.33	Load Dimension b12 x l6 Crossways	b 12 x l 6 (mm)	1000*1000	1000*1000	1000*1000	1000*1000	1000*1000	1000*1000
	4.34.1	Aisle Width With Pallets 1000mm x 1200mm Crossways	Ast (mm)	4191	4136	4136	4268	4225	4225
	4.34.2	Aisle Width With Pallets 800mm x 1200mm Lengthways	Ast (mm)	4391	4336	4336	4468	4425	4425
	4.35	Turning Radius	Wa (mm)	2500	2445	2445	2558	2515	2515
	4.36	Inner Turning Radius	b13 (mm)	823	823	823	823	823	823
Performance Data	5.1	Travel Speed, Laden/Unladen	km/h	14/15	15/15	19/19	14/15	15/15	19/19
	5.1.1	Travel Speed, Laden/Unladen, Backwards	km/h	12/12	12/12	16/16	12/12	12/12	16/16
	5.2	Lifting Speed, Laden/Unladen	mm/s	350/390	350/380	430/500	350/390	350/380	430/500
	5.3	Lowering Speed, Laden/Unladen	mm/s	420/500	420/500	420/500	420/500	420/500	420/500
	5.5	Drawbar Pull, Laden/Unladen	N	19000/16000	19000/16000	26000/17000	19000/16000	19000/16000	27000/17000
	5.8	Maximum Gradeability, Laden/Unladen	%	15/15	15/15	20/20	15/15	15/15	20/20
	5.9	Acceleration Time, Laden/Unladen, 15m	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
	5.1	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Electric Engine	6.1	Drive Motor Rating S2 60 min	Kw	15	15	21.6	15	15	21.6
	6.2	Lift Motor Rating S3 15 %	Kw	22.6	15	22.6	22.6	15	22.6
	6.3	Battery According To DIN 43531/35/36 A, B, C, No		no	no	no	no	no	no
	6.4	Battery Voltage/Nominal Capacity K5	(V)/(Ah)	80V/460Ah	115.2V/228Ah	153.6V/228Ah	80V/460Ah	115.2V/228Ah	153.6V/228Ah
	6.5	Battery Weight	kg	364	230	330	364	230	330
	6.6	Energy Consumption According To VDI Cycle	kWh/h	6	5.78	6.4	6.26	6.32	7
	6.7	Turnover Output	t/h	192	165	192	210	180	210
	6.8	Energy Consumption At Turnover Output	kWh in 1 h	6.82	7.1	6.54	7.3	7.76	7.14
Additional Data	8.1	Type Of Drive Unit		PM AC	PM AC	PM AC	PM AC	PM AC	PM AC
	10.1	Operating Pressure For Attachments	bar	140	140	140	140	140	140
	10.2	Oil Volume For Attachments (5)	l/min	64	64	64	64	64	64
	10.7	Sound Pressure Level At The Driver's Seat	dB (A)	66	66	66	66	66	66
	10.8	Towing Coupling, Type DIN		PIN	PIN	PIN	PIN	PIN	PIN

(1) Without load backrest. (2) h6 subject to +/- 5mm tolerance. (3) Full suspension seat in depressed position. (4) Add 32mm with load backrest. (5) Variable. (6) 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 3000mm 2-stage limited free lift mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

MAST DATA

ERP2.0MXLG MAST DIMENSIONS AND RATED CAPACITY @ 500mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2010	3575	3990	160	12	2000	1980	2000	1980
	3300	2160	3875	4290	160	12	2000	1970	2000	1970
	3500	2260	4075	4490	160	12	2000	1970	2000	1970
	3700	2360	4275	4690	160	6	2000	1960	2000	1960
	4000	2560	4575	4990	160	6	2000	1940	2000	1940
	4500	2810	5075	5490	160	6	1910	1850	1790	1750
	5000	3060	5575	5990	160	6	1810	1750	1350 (1810~)	1300 (1740~)
	5500	3360	6075	6490	60	6	1490 (1700~)	1450 (1640~)	1020 (1520~)	950 (1470~)
	6000	3610	6575	6990	160	6	1110 (1580~)	1070 (1520~)	740 (1180~)	670 (1130~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2010	3590	3990	1420	12	2000	1940	2000	1940
	3300	2160	3890	4290	1570	12	2000	1940	2000	1940
	3500	2260	4090	4490	1670	12	2000	1930	2000	1930
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2010	4867	5340	1390	6	1890	1820	1890	1820
	4500	2060	5017	5490	1440	6	1860	1790	1790	1770
	4800	2160	5317	5790	1540	6	1800	1730	1500 (1790~)	1460 (1730~)
	5000	2260	5517	5990	1640	6	1750	1680	1330 (1750~)	1280 (1690~)
	5500	2425	6017	6490	1800	6	1450 (1650~)	1410 (1590~)	940 (1490~)	880 (1450~)
	6000	2610	6517	6990	1990	6	1060 (1530~)	1000 (1480~)	650 (1140~)	580 (1090~)
6500	2825	7017	7490	2215	6	760 (1410~)	700 (1360~)	410 (850~)	330 (800~)	

ERP2.0MXLG MAST DIMENSIONS AND RATED CAPACITY @ 600mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2010	3575	3990	160	12	1860	1800	1860	1800
	3300	2160	3875	4290	160	12	1860	1790	1860	1790
	3500	2260	4075	4490	160	12	1850	1790	1850	1790
	3700	2360	4275	4690	160	6	1850	1780	1850	1780
	4000	2560	4575	4990	160	6	1830	1760	1830	1760
	4500	2810	5075	5490	160	6	1740	1680	1740	1680
	5000	3060	5575	5990	160	6	1640	1590	1380 (1640~)	1330 (1590~)
	5500	3360	6075	6490	60	6	1530 (1540~)	1480 (1490~)	1040 (1530~)	990 (1470~)
	6000	3610	6575	6990	160	6	1170 (1430~)	1120 (1380~)	760 (1220~)	700 (1170~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2010	3590	3990	1420	12	1830	1770	1830	1770
	3300	2160	3890	4290	1570	12	1820	1760	1820	1760
	3500	2260	4090	4490	1670	12	1820	1750	1820	1750

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2010	4867	5340	1390	6	1710	1650	1710	1650
	4500	2060	5017	5490	1440	6	1680	1620	1680	1620
	4800	2160	5317	5790	1540	6	1630	1570	1540	1500
	5000	2260	5517	5990	1640	6	1590	1530	1360 (1590~)	1320 (1530~)
	5500	2425	6017	6490	1800	6	1490	1440	970 (1490~)	910 (1430~)
	6000	2610	6517	6990	1990	6	1110 (1390~)	1050 (1340~)	670 (1180~)	600 (1130~)
	6500	2825	7017	7490	2215	6	790 (1280~)	730 (1230~)	430 (890~)	350 (830~)

ERP2.5MXLG MAST DIMENSIONS AND RATED CAPACITY @ 500mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2010	3575	3990	160	12	2500	2460	2500	2460
	3300	2160	3875	4290	160	12	2500	2450	2500	2450
	3500	2260	4075	4490	160	12	2500	2450	2500	2450
	3700	2360	4275	4690	160	6	2500	2440	2500	2440
	4000	2560	4575	4990	160	6	2500	2420	2500	2420
	4500	2810	5075	5490	160	6	2400	2320	2290 (2400~)	2260 (2320~)
	5000	3060	5575	5990	160	6	2170 (2290~)	2140 (2210~)	1740 (2270~)	1700 (2200~)
	5500	3360	6075	6490	160	6	1700 (2150~)	1660 (2080~)	1310 (1900~)	1260 (1870~)
	6000	3610	6575	6990	160	6	1260 (2010~)	1210 (1950~)	970 (1480~)	900 (1440~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2010	3590	3990	1420	12	2500	2430	2500	2430
	3300	2160	3890	4290	1570	12	2500	2430	2500	2430
	3500	2260	4090	4490	1670	12	2500	2420	2500	2420
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2010	4867	5340	1390	6	2050	1980	2050	1980
	4500	2060	5017	5490	1440	6	2020	1950	2020	1950
	4800	2160	5317	5790	1540	6	1960	1890	1900 (1960~)	1870 (1890~)
	5000	2260	5517	5990	1640	6	1910	1850	1690 (1910~)	1650 (1840~)
	5500	2425	6017	6490	1800	6	1610 (1820~)	1570 (1750~)	1220 (1800~)	1170 (1740~)
	6000	2610	6517	6990	1990	6	1160 (1700~)	1110 (1640~)	870 (1420~)	810 (1380~)
	6500	2825	7017	7490	2215	6	830 (1570~)	780 (1510~)	580 (1080~)	510 (1020~)

ERP2.5MXLG MAST DIMENSIONS AND RATED CAPACITY @ 600mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2010	3575	3990	160	12	2300	2230	2300	2230
	3300	2160	3875	4290	160	12	2300	2230	2300	2230
	3500	2260	4075	4490	160	12	2290	2220	2290	2220
	3700	2360	4275	4690	160	6	2290	2220	2290	2220

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
	4000	2560	4575	4990	160	6	2270	2200	2270	2200
	4500	2810	5075	5490	160	6	2170	2110	2170	2100
	5000	3060	5575	5990	160	6	2060	2000	1780 (2060~)	1740 (2000~)
	5500	3360	6075	6490	160	6	1770 (1950~)	1720 (1890~)	1350 (1930~)	1310 (1870~)
	6000	3610	6575	6990	160	6	1320 (1830~)	1270 (1770~)	1000 (1540~)	940 (1500~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2010	3590	3990	1420	12	2280	2210	2280	2210
	3300	2160	3890	4290	1570	12	2280	2200	2280	2200
	3500	2260	4090	4490	1670	12	2270	2200	2270	2200
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2010	4867	5340	1390	6	1860	1800	1860	1800
	4500	2060	5017	5490	1440	6	1830	1770	1830	1770
	4800	2160	5317	5790	1540	6	1780	1720	1780	1720
	5000	2260	5517	5990	1640	6	1740	1680	1730	1670
	5500	2425	6017	6490	1800	6	1640	1580	1270 (1640~)	1220 (1580~)
	6000	2610	6517	6990	1990	6	1230 (1540~)	1180 (1490~)	910 (1480~)	850 (1430~)
	6500	2825	7017	7490	2215	6	870 (1430~)	810 (1380~)	610 (1120~)	540 (1070~)

ERP3.0MXLG MAST DIMENSIONS AND RATED CAPACITY @ 500mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2075	3640	4100	165	12	3000	2950	3000	2950
	3300	2225	3940	4400	165	12	3000	2950	3000	2950
	3500	2325	4140	4600	165	12	3000	2950	3000	2950
	3700	2425	4340	4800	165	6	3000	2940	3000	2940
	4000	2625	4640	5100	165	6	3000	2920	3000	2920
	4500	2875	5140	5600	165	6	2860	2770	2860	2770
	5000	3125	5640	6100	165	6	2680	2650	2520 (2730~)	2500 (2650~)
	5500	3425	6140	6600	165	6	1930 (2630~)	1890 (2550~)	1800 (2620~)	1770 (2530~)
	6000	3675	6640	7100	165	6	1330 (2480~)	1290 (2400~)	1270 (2190~)	1210 (2160~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2075	3650	4100	1425	12	3000	2920	3000	2920
	3300	2225	3950	4400	1575	12	3000	2910	3000	2910
	3500	2325	4150	4600	1675	12	3000	2910	3000	2910
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2075	4950	5450	1475	6	2790	2700	2790	2700
	4500	2125	5100	5600	1525	6	2750	2670	2750	2670
	4800	2225	5400	5900	1625	6	2670	2600	2540 (2680~)	2510 (2600~)
	5000	2325	5600	6100	1725	6	2420 (2630~)	2400 (2550~)	2290 (2630~)	2260 (2550~)
	5500	2490	6100	6600	1880	6	1840 (2510~)	1810 (2430~)	1750 (2490~)	1710 (2420~)
	6000	2675	6600	7100	2075	6	1370 (2630~)	1330 (2290~)	1310 (2070~)	1260 (2030~)
	6500	2890	7100	7600	2260	6	1000 (2010~)	940 (1990~)	960 (1660~)	900 (1620~)

ERP3.0MXLG MAST DIMENSIONS AND RATED CAPACITY @ 600mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2075	3640	4100	165	12	2770	2690	2770	2690
	3300	2225	3940	4400	165	12	2770	2690	2770	2690
	3500	2325	4140	4600	165	12	2760	2680	2760	2680
	3700	2425	4340	4800	165	6	2760	2680	2760	2680
	4000	2625	4640	5100	165	6	2740	2660	2740	2660
	4500	2875	5140	5600	165	6	2600	2520	2600	2520
	5000	3125	5640	6100	165	6	2480	2410	2480	2400
	5500	3425	6140	6600	165	6	2010 (2390~)	1970 (2320~)	1870 (2380~)	1840 (2300~)
6000	3675	6640	7100	165	6	1400 (2260~)	1360 (2190~)	1320 (2230~)	1270 (2170~)	
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2075	3650	4100	1425	12	2740	2660	2740	2660
	3300	2225	3950	4400	1575	12	2730	2650	2730	2650
	3500	2325	4150	4600	1675	12	2730	2650	2730	2650
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2075	4950	5450	1475	6	2530	2460	2530	2460
	4500	2125	5100	5600	1525	6	2500	2430	2500	2430
	4800	2225	5400	5900	1625	6	2440	2370	2430	2360
	5000	2325	5600	6100	1725	6	2390	2320	2290 (2390~)	2270 (2320~)
	5500	2490	6100	6600	1880	6	1870 (2280~)	1830 (2210~)	1770 (2270~)	1720 (2200~)
	6000	2675	6600	7100	2075	6	1410 (2150~)	1360 (2080~)	1340 (2100~)	1290 (2060~)
6500	2890	7100	7600	2260	6	1020 (2010~)	970 (1950~)	980 (1700~)	930 (1660~)	

ERP3.5MXLG MAST DIMENSIONS AND RATED CAPACITY @ 500mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2150	3700	4100	170	12	3500	3420	3500	3420
	3300	2300	4000	4400	170	12	3500	3410	3500	3410
	3500	2400	4200	4600	170	12	3500	3410	3500	3410
	3700	2500	4400	4800	170	6	3500	3400	3500	3400
	4000	2700	4700	5100	170	6	3420	3320	3420	3320
	4500	2950	5200	5600	170	6	3300	3200	3120 (3300~)	3120 (3200~)
	5000	3200	5700	6100	170	6	2870 (3180~)	2860 (3080~)	2530 (3160~)	2520 (3070~)
	5500	3500	6200	6600	170	6	2340 (3020~)	2320 (2930~)	2050 (2860~)	2030 (2850~)
6000	3750	6700	7100	170	6	1870 (2810~)	1850 (2780~)	1640 (2430~)	1610 (2420~)	
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2150	3680	4100	1470	12	3500	3410	3500	3410
	3300	2300	3980	4400	1620	12	3500	3410	3500	3410
	3500	2400	4180	4600	1720	12	3500	3400	3500	3400
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2150	4990	5450	1510	6	3470	3390	3140 (3460~)	3130 (3370~)
	4500	2200	5140	5600	1560	6	3320	3310	2960 (3420~)	2940 (3340~)
	4800	2300	5440	5900	1660	6	2940 (3390~)	2930 (3310~)	2610 (3350~)	2600 (3260~)
	5000	2400	5640	6100	1760	6	2730 (3340~)	2710 (3250~)	2410 (3240~)	2390 (3210~)
	5500	2565	6140	6600	1915	6	2200 (3140~)	2190 (3110~)	1940 (2750~)	1920 (2740~)
6000	2750	6640	7100	2110	6	1780 (2710~)	1750 (2690~)	1560 (2350~)	1530 (2330~)	

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
	6500	2965	7140	7600	2290	6	1410 (2330~)	1380 (2300~)	1240 (2000~)	1200 (1970~)

ERP3.5MXLG MAST DIMENSIONS AND RATED CAPACITY @ 600mm LOAD CENTRE

MAST TYPE	MAXIMUM FORK HEIGHT (MM)	LOWERED HEIGHT (MM)	EXTENDED HEIGHT WITH LBR (MM)	EXTENDED HEIGHT WITHOUT LBR (MM)	FREE LIFT HEIGHT WITHOUT LBR	BACK TILT	CAPACITY WITH PSS TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PSS TYRES WITH SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITHOUT SIDESHIFT (KG)	CAPACITY WITH PNEUMATIC TYRES WITH SIDESHIFT (KG)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2150	3700	4100	170	12	3210	3120	3210	3120
	3300	2300	4000	4400	170	12	3200	3110	3200	3110
	3500	2400	4200	4600	170	12	3190	3100	3190	3100
	3700	2500	4400	4800	170	6	3190	3100	3190	3100
	4000	2700	4700	5100	170	6	3120	3030	3110	3030
	4500	2950	5200	5600	170	6	3000	2920	3000	2910
	5000	3200	5700	6100	170	6	2880	2800	2600 (2880~)	2580 (2800~)
	5500	3500	6200	6600	170	6	2390 (2750~)	2380 (2670~)	2110 (2730~)	2080 (2660~)
	6000	3750	6700	7100	170	6	1940 (2610~)	1900 (2540~)	1700 (2510~)	1660 (2490~)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2150	3680	4100	1470	12	3200	3110	3200	3110
	3300	2300	3980	4400	1620	12	3190	3100	3190	3100
	3500	2400	4180	4600	1720	12	3190	3100	3190	3100
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2150	4990	5450	1510	6	2940 (3090~)	2930 (3010~)	2630 (3080~)	2600 (3010~)
	4500	2200	5140	5600	1560	6	2730 (3030~)	2710 (2960~)	2430 (3030~)	2410 (2950~)
	4800	2300	5440	5900	1660	6	2230 (2900~)	2200 (2830~)	1970 (2790~)	1940 (2770~)
	5000	2400	5640	6100	1760	6	1810 (2750~)	1780 (2690~)	1580 (2390~)	1560 (2730~)
	5500	2565	6140	6600	1915	6	1430 (2380~)	1400 (2350~)	1260 (2040~)	1220 (2010~)
	6000	2750	6640	7100	2110	6	1780 (2710~)	1750 (2690~)	1560 (2350~)	1530 (2330~)
	6500	2965	7140	7600	2290	6	1410 (2330~)	1380 (2300~)	1240 (2000~)	1200 (1970~)

Cell with ~ = Dual tread specification

OPTIONS TABLE

Available Options - Asia Pacific

DESCRIPTION	STANDARD	OPTIONAL
PERFORMANCE	STD	OPT
80V Electrical System With Rema Connection		x
115.2V Electrical System With Rema Connection	x	
153.6V Electrical System With GB Connection		x
Standard (-20°C To 40°C) Environmental Construction	x	
Drum Brakes	x	
Oil-Immersed Brakes		x
Antistatic Strap	x	
80V/300Ah (23 kWh) Integrated Li-Ion Battery (Ekito)		x
80V/350Ah (26.9 kWh) Integrated Li-Ion Battery (Ekito)		x
80V 410Ah (31.5 kWh) Integrated Li-Ion Battery (Ekito)		x
80V 460Ah (35.3 kWh) Integrated Li-Ion Battery (Ekito)		x
80V 520Ah (39.9 kWh) Integrated Li-Ion Battery (Ekito)		SPED
115.2V/228Ah (26.2 kWh) Integrated Li-Ion Battery (Heding)	x	
153.6V/228Ah (35.0 kWh) Integrated Li-Ion Battery (Heding)		x
Charger 80V-100A (323–475V Three-Phase Input) With REMA320A Connector		x
Charger 80V-150A (323–475V Three-Phase Input) With REMA320A Connector		x
Charger 80V-200A (323–475V Three-Phase Input) With REMA320A Connector		x
Charger 115V-60A (323–475V Three-Phase Input) With REMA160A Connector	x	
Charger 115V-100A (323–475V Three-Phase Input) With REMA160A Connector		x
Charger 154V-100A (323–475V Three-Phase Input) With GB 125A Connector		x
Charger 154V-150A (323–475V Three-Phase Input) With GB 200A Connector		x
Battery Disconnect	x	
OPERATION	STD	OPT
Traction Speed Limiters	x	
Key Switch Start	x	
Manual Park Brake	x	
Automatic Park Brake		x
Telemetry Prepared	x	
Speed Reduction In Corners	x	
Yale Vision Wireless Monitoring		x
Yale Vision Wireless Access		x
Yale Vision Wireless Verification		x
DRIVE	STD	OPT
Directional Lever	x	
Foot Directional Control (FDC)		x
Integrated Directional Switch		x
Standard Tread Tyres	x	
Dual Tread Tyres		x
Tyres - Super Elastic		x
Tyres - Super Elastic - Non-Marking		x
Tyres - Pneumatic	x	
Steering Column Mounted Directional Control	x	
Steering Wheel With Spinner Knob	x	
Steer Column With Infinitely Adjustable Tilt	x	
On-Demand Power Steering	x	
On-Demand Hydrostatic Power Assist Steering With Synchronous Steering		x
LIFT	STD	OPT
2-Stage Limited Free Lift Mast – Class II/III	x	
2-Stage Full Free Lift (FFL) – Class II/III		x
3-Stage Full Free Lift Mast – Class II/III		x
6° Forward / 6° Back Mast Tilt		x

DESCRIPTION	STANDARD	OPTIONAL
6° Forward / 12° Back Mast Tilt	x	
3° Forward / 6° Back Mast Tilt		x
Tilt Cylinder Boots	x	
HANDLING	STD	OPT
Hook Type Integral Sideshift Carriage		x
Hook Type Integral Sideshift Carriage	x	
Hook Type Integral Sideshift Carriage		x
Hook Type Integral Sideshift Carriage - 1040mm Class II		x
Hook Type Integral Sideshift Carriage - 1100mm Class III		x
Without Carriage		x
Hook Type Standard Taper Forks 45 x 122 x 1070mm	x	
Without Load Backrest		x
1080mm High Load Backrest Class III	x	
940mm High Load Backrest Class II		x
Manual Lever Hydraulic Control	x	
Mini Lever Hydraulic Control		x
Clamping Function		x
2 Function (0 Auxiliary) Hydraulic Valve	x	
3 Function (1 Auxiliary) Hydraulic Valve		x
4 Function (2 Auxiliary) Hydraulic Valve		x
ERGONOMICS	STD	OPT
2180mm Overhead Guard ERP2.0-2.5MXLG	x	
2205mm Overhead Guard ERP3.0-3.5MXLG	x	
Non-Suspension Vinyl Seat		x
Full Suspension Vinyl Seat (SC29) With Switch For OPS	x	
Full Suspension Vinyl With Flip-Up Armrest (MSG65) – Premium		x
Non-Suspension seat(Vinyl) -Eco with armrest		x
Non-Suspension seat(Vinyl) with Folding Backrest-Eco		x
Full-Suspension seat(Vinyl)-Eco		x
Standard Seat Belt With Interlock	x	
Cabin Options (Partial, PVC, Steel Doors)		x
Rear Drive Handle With Horn Button		x
Console Tray	x	
LCD Dash Display	x	
12V Supply With Twin USB Charging Sockets	x	
VISIBILITY	STD	OPT
LED Work Lights	x	
LED Rear Light Package (Brake/Tail/Backup)		x
LED Rear Light Package (Brake/Tail/Backup/Turn)		x
Audible Reverse Alarm	x	
Switch-Activated Strobe Light	x	
Dual Side View Mirrors	x	
Rear Reflector	x	
Pedestrian Awareness Camera 2-Alert		x
Pedestrian Awareness Camera 3-Alert		x
Blue LED Pedestrian Awareness Spotlights		x
Red LED Pedestrian Awareness Perimeter Lines		x
Parking Alarm	x	
APPEARANCE	STD	OPT
Yale Gold Paint Base Truck	x	
SUPPLEMENTAL	STD	OPT
12 Month / 2,000 Hour Limited Warranty (Parts Only)	x	
36 Month / 6,000 Hour Powertrain Warranty		x



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