



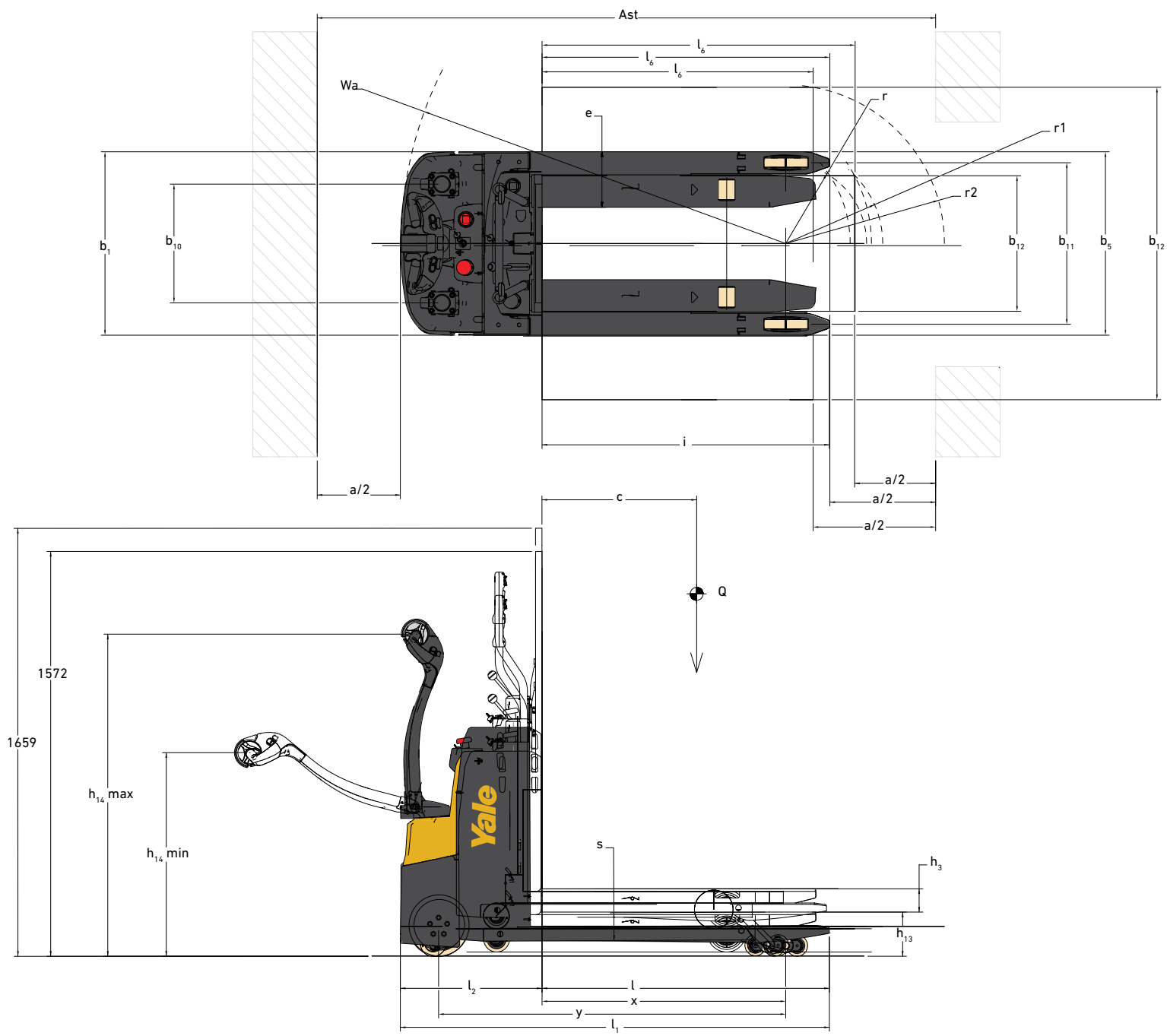
Route Runner MDW33NLG MDS12NLG

SPEC SHEET

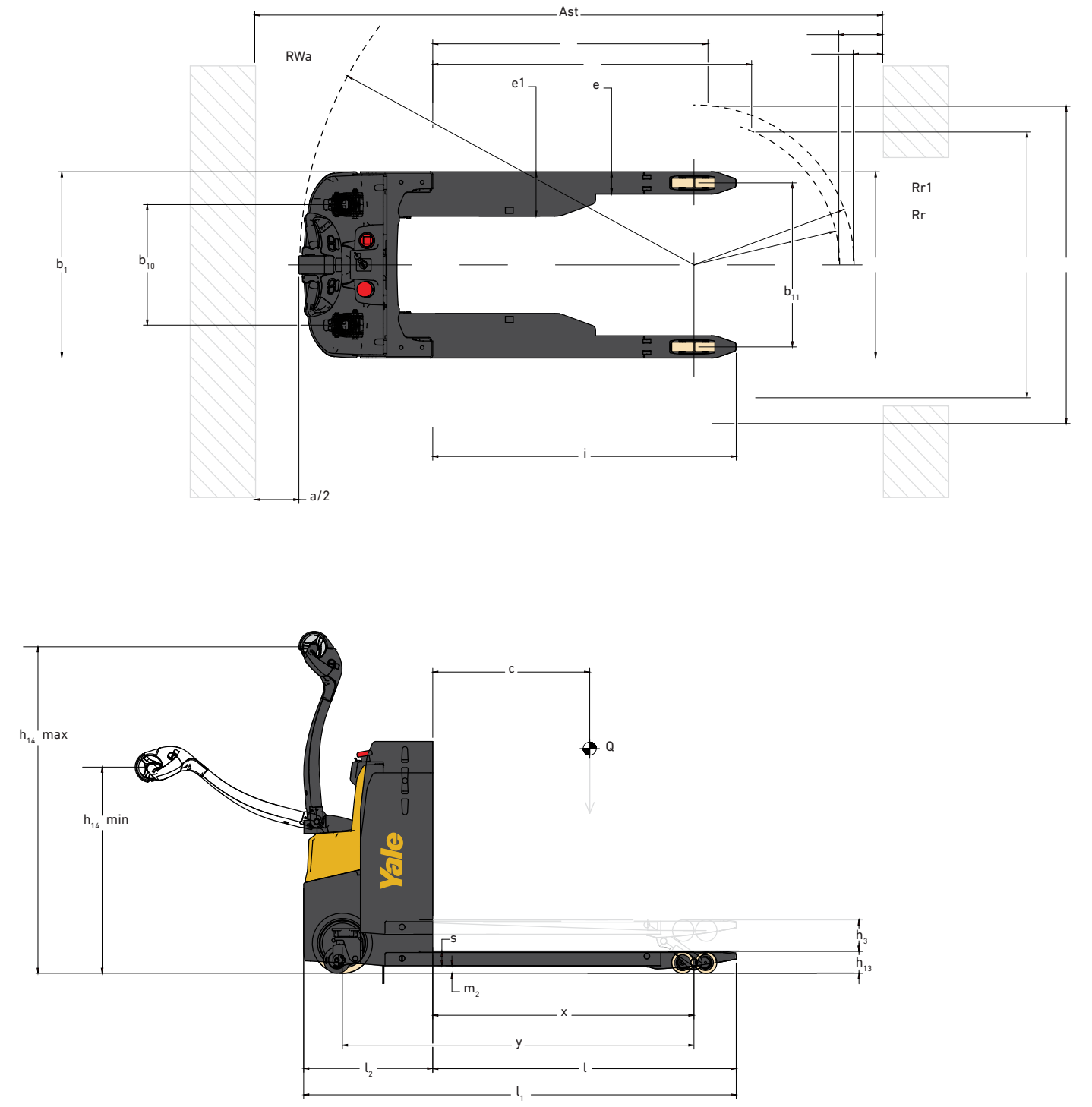
Modified pallet truck
with motorized sled

3,300 lbs. pallet truck
1,200 lbs. motorized sled

NESTED PALLET TRUCK AND MOTORIZED SLED DIMENSIONS



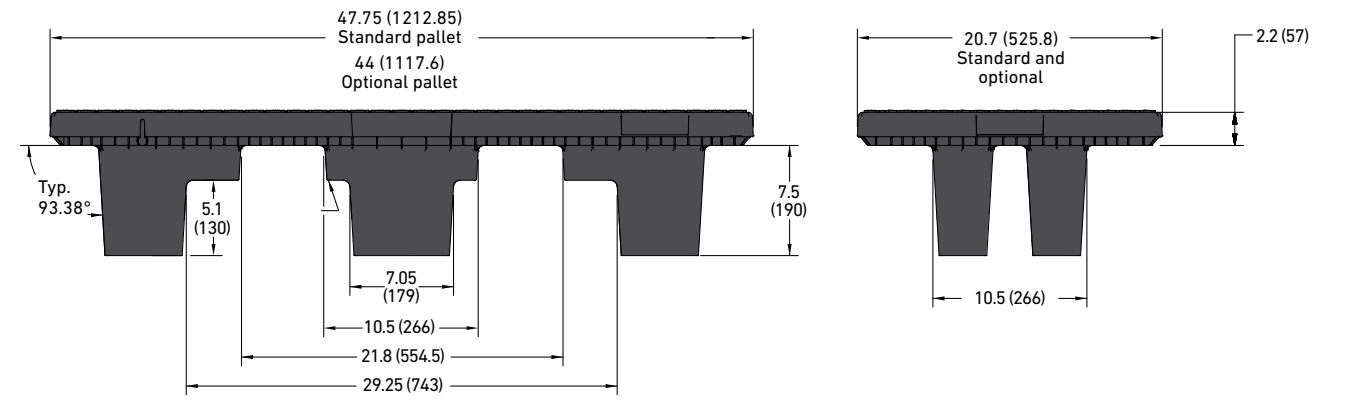
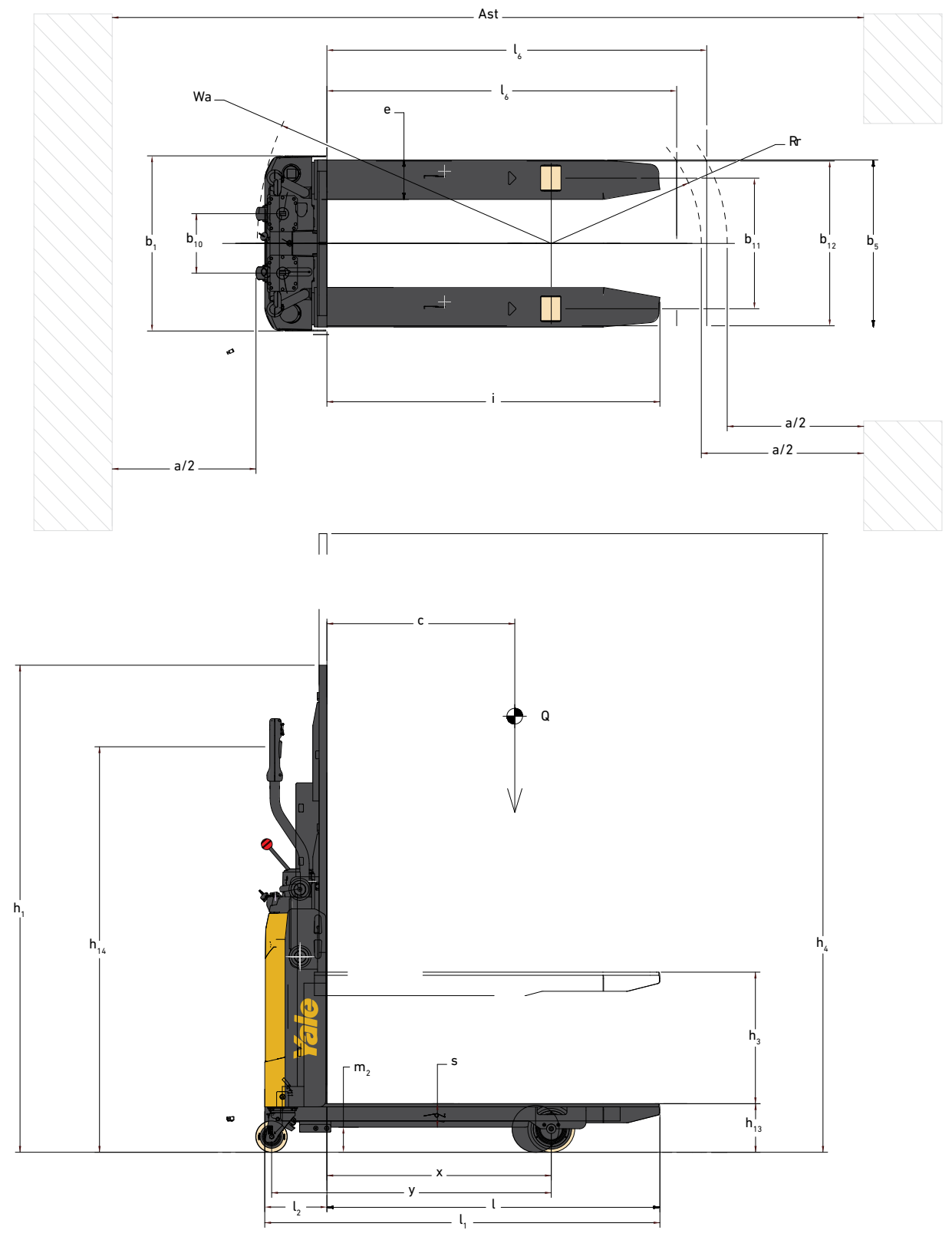
PALLET TRUCK DIMENSIONS - MDW33NLG



GENERAL SPECIFICATIONS – NESTED PALLET TRUCK AND MOTORIZED SLED

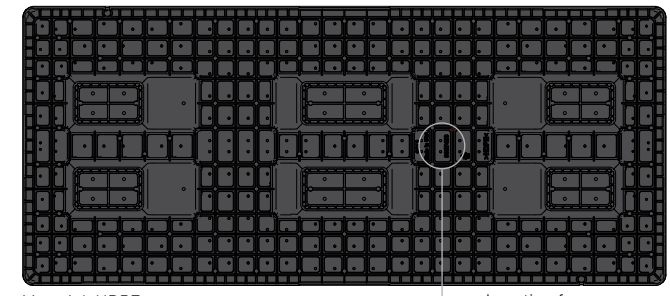
WEIGHT				lb (kg)	
2-1	Service weight ¹				948 (432)
DIMENSIONS					
4-2	Height, backrest lowered	h_1	in (mm)		61.8 (1570)
4-5	Height, backrest extended	h_4	in (mm)		78.3 (1990)
4-19	Overall length	l_1	in (mm)		65.1 (1653.5)
4-21	Overall width	b_1	in (mm)		22 (559)

1. These values may vary of +/- 5%.



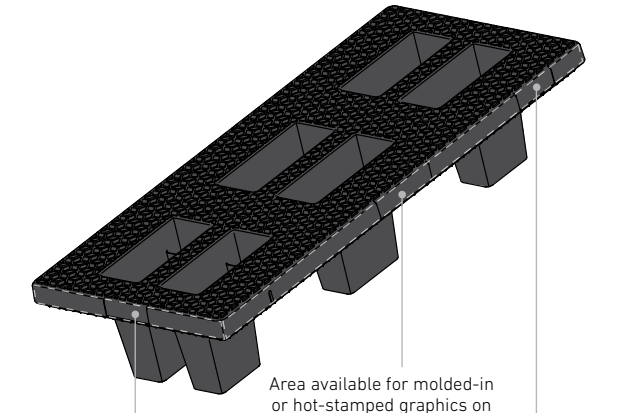
Dimensions are shown in inches (millimeters)

TOP VIEW



Material: HDPE
Color: Black

Location for:
Recycle logo / Molding date
Part number / Material / Cavity#



Area available for molded-in or hot-stamped graphics on both sides within dotted lines.
Area available for RFID tag or custom label on both sides within dotted lines.



GENERAL SPECIFICATIONS – MDW33NLG PALLET TRUCK					
GENERAL	1-1	Manufacturer		Yale	
	1-2	Model designation		MDW33NLG	
	1-3	Drive: electric (battery type, mains, ...)		Li Battery	
	1-4	Operator type: hand, pedestrian		Pedestrian	
	1-5	Rated capacity/rated load	Q (t)	lb (kg)	3300 (1500)
	1-6	Load center distance	c	in (mm)	24 (600)
	1-8	Load distance, center of drive axle to fork ³	x	in (mm)	39.3 (998.5)
	1-9	Wheelbase	y	in (mm)	52.9 (1344)
	WEIGHT	2-1	Service weight ¹		551.2 (250)
2-2		Axle loading, laden front/rear		1388.9-2579.4 (630-1170)	
2-3		Axle loading, unladen front/rear		1093.5-266.8 (205-45)	
TIRES	3-1	Tires: polyurethane, tophane, NDIIthane, front/rear		Tophane	
	3-2	Tire size, front	in (mm)	9 x 2.76 (230 x 70)	
	3-3	Tire size, rear	in (mm)	3.23 x 1.4 (82 x 36)	
	3-4	Additional wheels (dimensions)		3.94 x 1.6 (100 x 40)	
	3-5	Wheels, number front/rear (x = driven wheels)		1x + 2 / 4	
	3-6	Tread, front	b ₁₀	in (mm)	18.15 (461)
	3-7	Tread, rear	b ₁₁	in (mm)	24.7 (627)
DIMENSIONS	4-4	Lift	h ₃	in (mm)	4.7 (120)
	4-9	Height handle in driving position min./max.	h ₁₄	in (mm)	31/49 (788/1248)
	4-15	Height, lowered	h ₁₃	in (mm)	3.3 (84.5)
	4-19	Overall length ⁵	l ₁	in (mm)	65.1 (1653.5)
	4-20	Length to face of forks	l ₂	in (mm)	19.4 (493.5)
	4-21	Overall width	b ₁	in (mm)	28 (712)
	4-22	Fork dimensions	s / e / e ₁ / l	in (mm)	2.2 / 3.3 / 6.7 / 45.67 (55 / 85 / 170 / 1160)
	4-25	Forks spread	b ₅	in (mm)	28 (712)
	4-32	Ground clearance, center of wheelbase	m ₂	in (mm)	1.2 (29.5)
	4-33	Load dimension b ₁₂ × l ₆	b ₁₂ × l ₆	in (mm)	41.4 x 47.8 / 48 x 40
	4-34-1	Aisle width for two pallets 48in. x 21in. crossways (beverage) ³	A _{st}	in (mm)	88.9 (2259)
4-34-1	Aisle width for GMA pallet 48in. x 21in. lengthwise (GMA) ³	A _{st}	in (mm)	87.6 (2225)	
4-35	Turning radius ²	W _a	in (mm)	59.4 (1510)	
PERFORMANCE	5-1	Travel speed, laden/unladen		m/h (km/h)	3.73 / 3.73 (6 / 6)
	5-1-1	Travel speed, laden/unladen, backwards		m/h (km/h)	3.73 / 3.73 (6 / 6)
	5-2	Lift speed, laden/unladen		m/s	0.06 / 0.05
	5-3	Lowering speed, laden/unladen		m/s	0.029 / 0.052
	5-7	Gradeability, laden/unladen		%	10 / 20
	5-8	Max. gradeability, laden/unladen ⁴		%	10 / 20 (12 / 24)
	5-10	Service brake			Electro Magnetic
ELECTRIC	6-1	Drive motor S2 60 minute rating	kW	1.2	
	6-2	Lift motor, S3 15% rating	kW	2.2kW (S3 5%)	
	6-3	Battery according to DIN 43531/35/36 A,B,C, no		no	
	6-4	Battery voltage/nominal capacity K ₅	V / Ah	24 / 40 ⁽³⁾	
	6-5	Battery weight ¹	lb (kg)	26.46 (12)	
	6-6	Energy consumption according to DIN EN 16796		kWh/h	0.24
	6-7	Turnover output according to VDI 2198		t/h	78
	6-8	Turnover efficiency according to VDI 2198		t/kWh	138
DRIVE/LIFT MECHANISM	8-1	Type of drive unit		AC-Controller	
ADDITIONAL	10-7	Sound pressure level at operating position		dB (A)	63.96

1. These values may vary of +/- 5%.
2. Values with lowered forks (-70mm raised forks).
3. Forks raised -- Ast = Wa + R + a -- Wa and R with forks raised.
4. Values in bracket are Optional.
5. Value does not change with the sled nested. Height max with cradle or SLED: 65.35 in.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Yale products might be subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

GENERAL SPECIFICATIONS – MDS12NLG MOTORIZED SLED					
GENERAL	1-1	Manufacturer		Yale	
	1-2	Model designation		MDS12NLG	
	1-3	Drive: electric (battery type, mains, ...)		Li Battery	
	1-4	Operator type: hand, pedestrian		Pedestrian	
	1-5	Rated capacity/rated load	Q (t)	lb (kg)	1200 (544)
	1-6	Load center distance	c	in (mm)	24 (600)
	1-8	Load distance, center of drive axle to fork	x	in (mm)	28.2 (716.5)
	1-9	Wheelbase	y	in (mm)	35.2 (893)
	WEIGHT	2-1	Service weight ¹		396.8 (180)
2-2		Axle loading, laden front/rear		1212.5-429.9 (550-195)	
2-3		Axle loading, unladen front/rear		121.3-275.6 (55-125)	
TIRES	3-1	Tires: polyurethane, tophane, NDIIthane, front/rear		Tophane	
	3-2	Tire size, front	in (mm)	5.9 x 2.3 (150 x 76)	
	3-3	Tire size, rear	in (mm)	3.9 x 1.6 (100 x 40)	
	3-5	Wheels, number front/rear (x = driven wheels)		2 / 2	
	3-6	Tread, front	b ₁₀	in (mm)	7.5 (190)
	3-7	Tread, rear	b ₁₁	in (mm)	16.4 (417)
	DIMENSIONS	4-2	Height, backrest lowered	h ₁	in (mm)
4-4		Lift	h ₃	in (mm)	16.5 (420)
4-5		Height, backrest extended	h ₄	in (mm)	77.8 (1975)
4-9		Height handle in driving position min./max.	h ₁₄	in (mm)	50.96 (1294.5)
4-15		Height, lowered	h ₁₃	in (mm)	6.1 (155)
4-19		Overall length	l ₁	in (mm)	49.5 (1258.5)
4-20		Length to face of forks	l ₂	in (mm)	7.8 (198.5)
4-21		Overall width	b ₁	in (mm)	22 (559)
4-22		Fork dimensions	s / e / e ₁ / l	in (mm)	3 / 5 / 41.7 (75 / 126 / 1060)
4-25		Forks spread	b ₅	in (mm)	21 (533)
4-32		Ground clearance, center of wheelbase	m ₂	in (mm)	3.2 (80)
4-33	Load dimension b ₁₂ × l ₆	b ₁₂ × l ₆	in (mm)	41.4 x 47.8 / 48 x 40	
4-34-1	Aisle width for one 21in. x 47.8in. pallet	A _{st}	in (mm)	66.95 (1700.7)	
4-35	Turning radius	W _a	in (mm)	36.96 (938.85)	
PERFORMANCE	5-1	Travel speed, laden/unladen		m/h (km/h)	2.5 - 2.5 (4 - 4)
	5-1-1	Travel speed, laden/unladen, backwards		m/h (km/h)	2.5 - 2.5 (3 - 3)
	5-2	Lift speed, laden/unladen		m/s	0.21 / 0.18 (0.064 / 0.055)
	5-3	Lowering speed, laden/unladen		m/s	0.19 / 0.19 (0.06 / 0.06)
	5-7	Gradeability, laden/unladen		%	4 / 15
	5-8	Max. gradeability, laden/unladen		%	4 / 15
	5-10	Service brake			Electro Magnetic
ELECTRIC	6-1	Drive motor S2 60 minute rating	kW	1.2	
	6-2	Lift motor, S3 15% rating	kW	2.2kW (S3 5%)	
	6-3	Battery according to DIN 43531/35/36 A,B,C, no		no	
	6-4	Battery voltage/nominal capacity K ₅	V / Ah	24 / 40 ⁽³⁾	
	6-5	Battery weight ¹	lb (kg)	26.46 (12)	
	6-6	Energy consumption according to DIN EN 16796		kWh/h	0.32
	6-7	Turnover output according to VDI 2198		t/h	21
	6-8	Turnover efficiency according to VDI 2198		t/kWh	41
DRIVE/LIFT MECHANISM	8-1	Type of drive unit		AC-Controller	
ADDITIONAL	10-7	Sound pressure level at operating position		dB (A)	63.96

1. These values may vary of +/- 5%.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Yale products might be subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

FEATURES LIST - MDW33NLG PALLET TRUCK		
PERFORMANCE	STD	OPT
24 volt	●	
Multifunctional display set for use with lithium-ion battery	●	
Standard construction - operating temperatures +32° to +120°F	●	
Cooler/freezer package - operating temperatures 0°F to +120°F		●
Traction controller 200A	●	
Brake override drive / tow switch		●
DRIVE	STD	OPT
Drive tires - 9 x 2.75 - pressed-on smooth Tophane	●	
3.23" x 1.42" tandem Tophane load wheels with sealed bearings	●	
Caster wheels HD with sealed wheel bearings	●	
HANDLING	STD	OPT
45.67" x 28 x 3.35" (1160mm x 712mm x 85mm min & 190mm max) welded type - heavy duty forks	●	
Without cradle	●	
57" (1448mm) high cradle		●
Load retention strap (only available with cradle option)		●
ERGONOMICS	STD	OPT
Composite control handle with gas spring return	●	
Cast aluminum control handle gas spring return		●
OPERATION	STD	OPT
Key switch start	●	
Keyless toggle start switch		●
Operator password start interlock (keypad)		●
Audible Alarm - 85 dB		●
Multipurpose bar (only available with cradle option)		●
RFID scanner holder (only available with cradle option)		●
LED plastic lens worklights (only available with cradle option)		●
Yale Vision™		●
ENERGY SYSTEM	STD	OPT
24V - 40AH lithium-ion battery	●	
110-220V 30 Amp on-board charger with IEC cable	●	
110-220V 13 Amp on-board charger with IEC cable		●
110-220V, 50-60 Hz, 30 Amp external high frequency charger with 6 pin cable		●
Wired plug type B	●	
Sled charging cable	●	
SUPPLEMENTAL	STD	OPT
12 months / unlimited hour manufacturer's warranty, 36 months / 6,000 hours powertrain warranty, lifetime frame warranty	●	
Operating manual	●	
Parts manual		●
UL classification type "E"	●	
English literature package and labels	●	

FEATURES LIST - MDS12NLG MOTORIZED SLED		
PERFORMANCE	STD	OPT
24 volt	●	
Multifunctional display set for use with lithium-ion battery	●	
Standard construction - operating temperatures +32° to +120° F	●	
Cooler/freezer package - operating temperatures 0°F to +120°F		●
Traction controller 50A	●	
DRIVE	STD	OPT
Caster wheel - 4.0" x 1.6" - Tophane	●	
Load wheel - motorized 5.9" x 3" sealed Tophane	●	
HANDLING	STD	OPT
41.7" x 21" x 4.96" (1060mm x 533mm x 126mm) welded type forks	●	
55.1" (1400mm) load backrest extension	●	
Load retention strap	●	
Pallet 47.75" x 20.7"	●	
Pallet 44.0" x 20.7"		●
OPERATION	STD	OPT
Key switch start	●	
Keyless toggle start switch		●
Steel tube control handle	●	
Storage utility tray		●
ENERGY SYSTEM	STD	OPT
24V - 20AH lithium-ion battery	●	
110V, 50-60 Hz, 30 Amp external high frequency charger with 6 pin cable	●	
110V 13 Amp on-board charger with IEC cable		●
Wired plug type B	●	
SUPPLEMENTAL	STD	OPT
12 months / unlimited hour manufacturer's warranty, 36 months / 6,000 hours powertrain warranty, lifetime frame warranty	●	
Operating manual	●	
Parts manual		●
UL classification type "E"	●	
English literature package and labels	●	



About Yale

Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven automation and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government


Health & pharma

Home centers & durables

Retail & e-commerce

Yale Lift Truck Technologies
P.O. Box 7367
Greenville, NC 27835-7367
U.S.A.

yale.com

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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.