



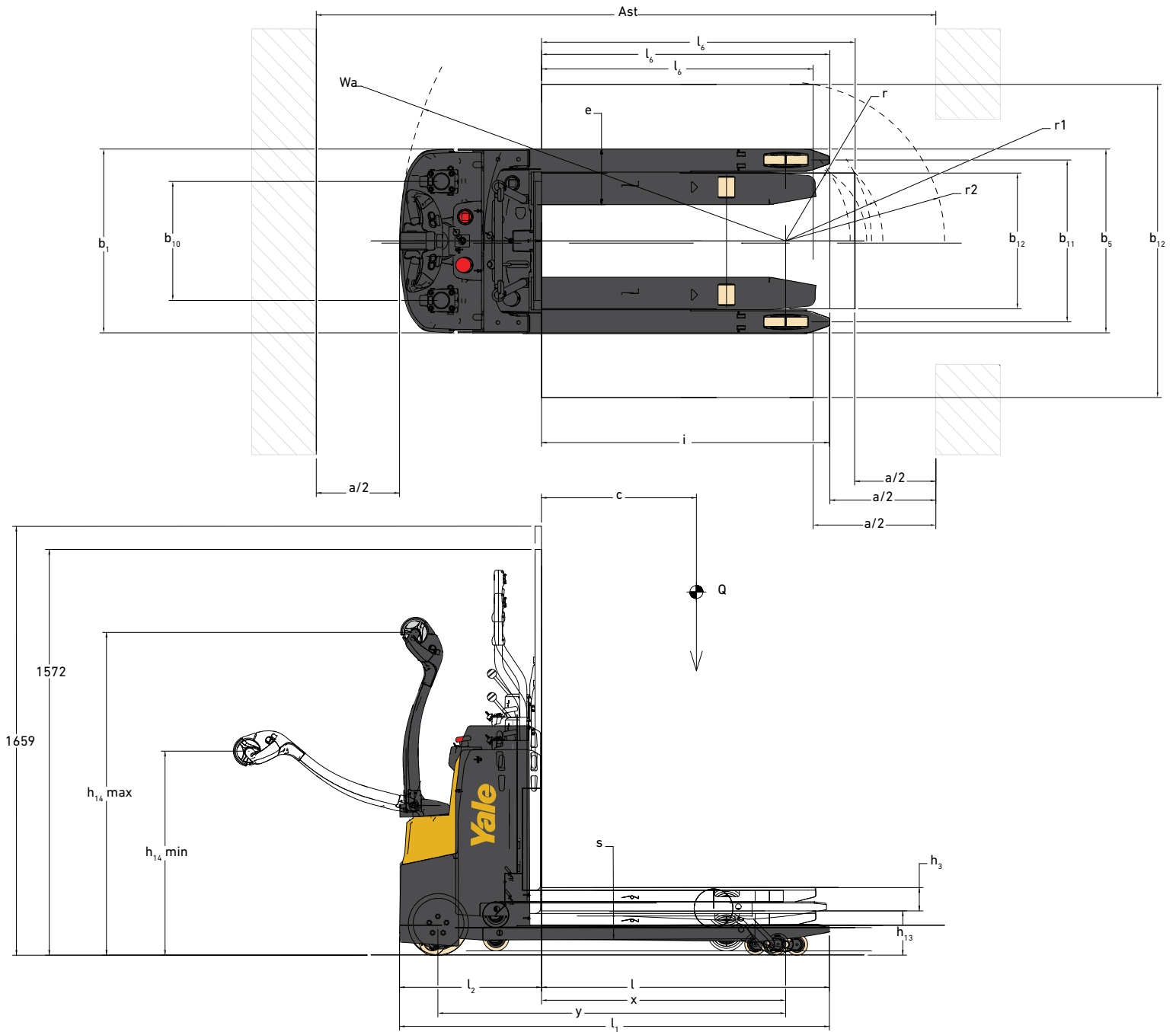
Route Runner MDW33NLG MDS12NLG

SPEC SHEET

Modified pallet truck
with motorized sled

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

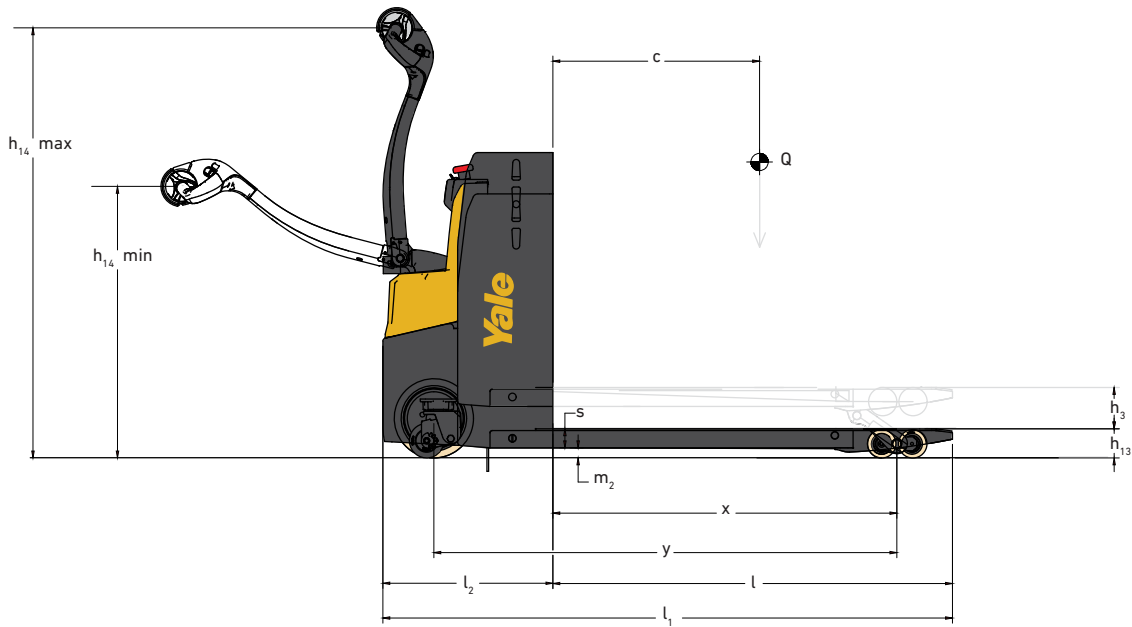
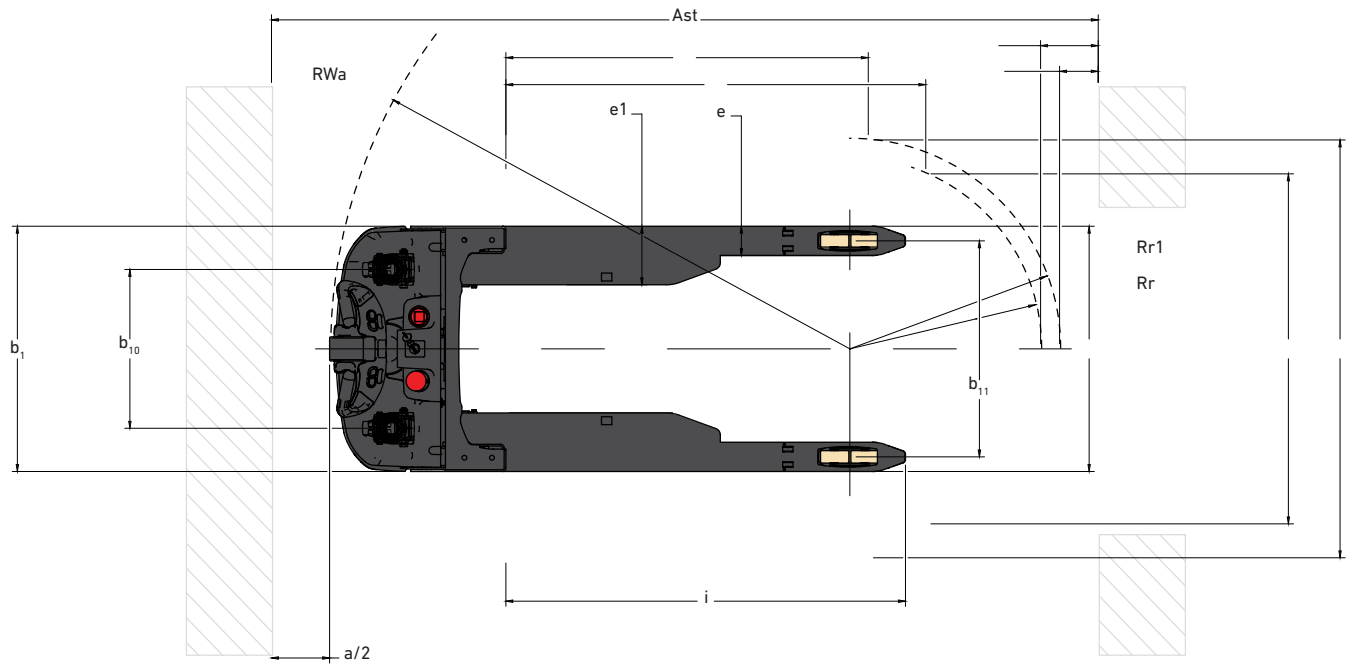
NESTED PALLET TRUCK AND MOTORIZED SLED DIMENSIONS

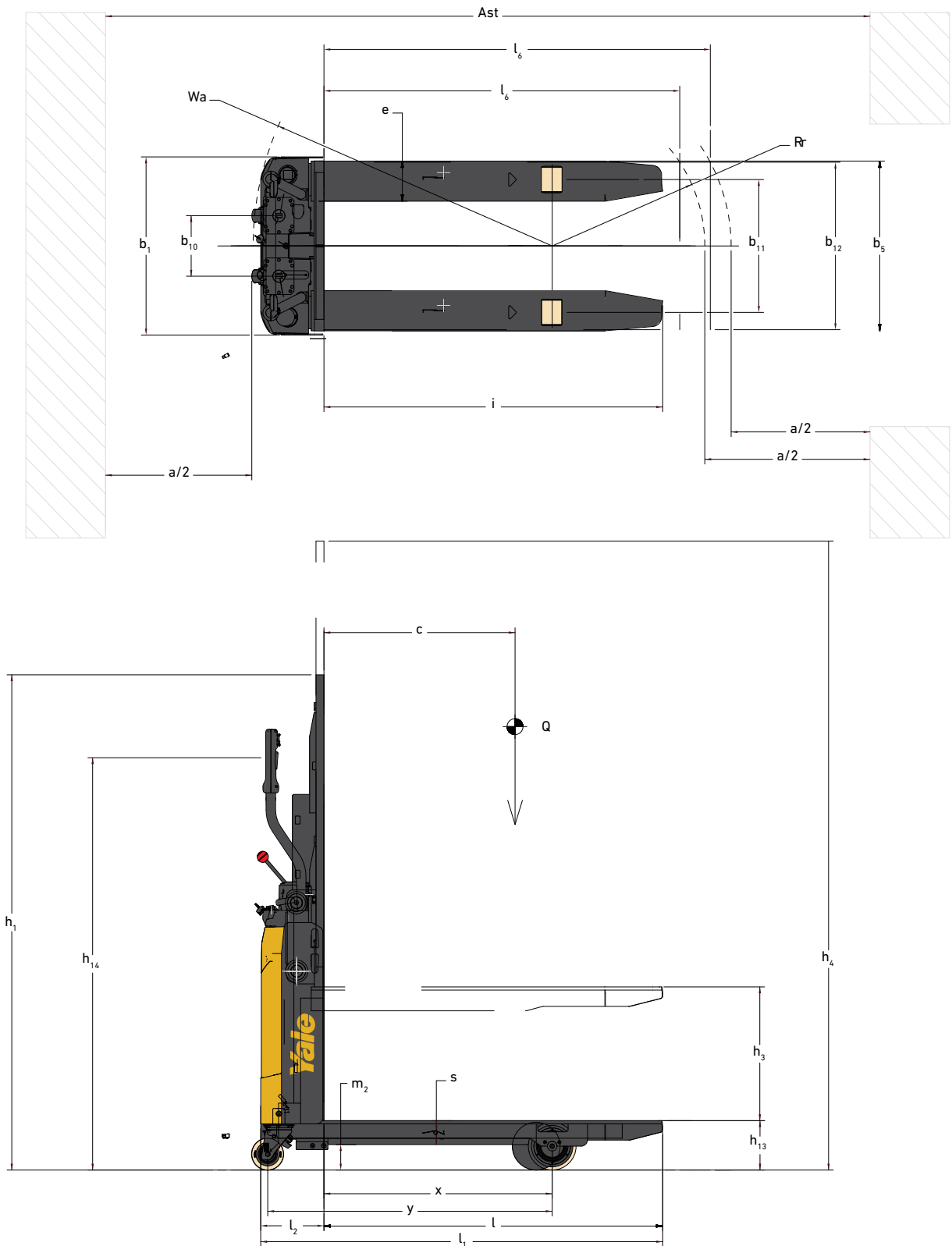


GENERAL SPECIFICATIONS – NESTED PALLET TRUCK AND MOTORIZED SLED

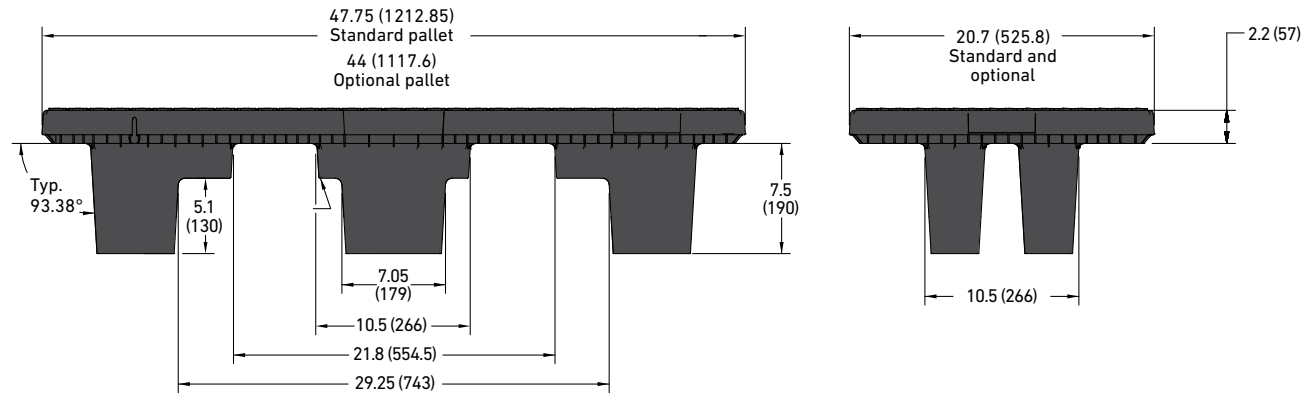
WEIGHT	2-1 Service weight ¹			lb (kg)	948 (432)
DIMENSIONS	4-1	Height, mast lowered	h ₁	in (mm)	61.8 (1570)
	4-3	Height, mast extended	h ₄	in (mm)	78.3 (1990)
	4-6	Overall length	l ₁	in (mm)	65.1 (1653.5)
	4-8	Overall width	b ₁	in (mm)	22 (559)

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



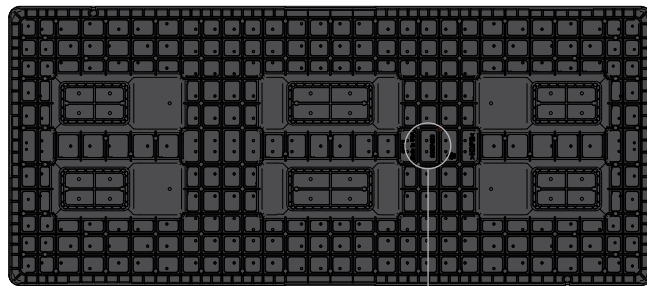


PALLET DIMENSIONS



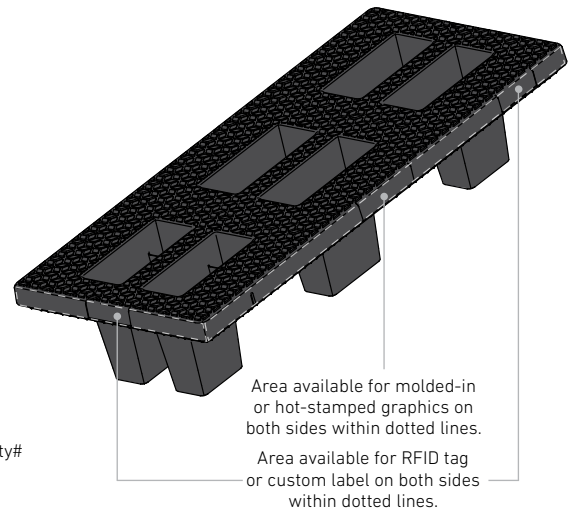
Dimensions are shown in inches (millimeters)

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, ...), diesel, petrol, fuel gas		Battery
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian
	1-5	Rated capacity/rated load	Q (t) lb (kg)	3300 (1500)
	1-6	Load distance, centre of drive axle to fork ³	x in (mm)	39.3 (998.5)
	1-7	Wheelbase	y in (mm)	52.9 (1344)
WEIGHT	2-1	Service weight ¹	lb (kg)	551.2 (250)
	2-2	Axle loading, laden front/rear	lb (kg)	1388.9-2579.4 (630-1170)
	2-3	Axle loading, unladen front/rear	lb (kg)	1093.5-266.8 (205-45)
TIRES	3-1	Tires: polyurethane, tophane, NDIIThane, front/rear		Topyhane
	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)	in (mm)	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)
DIMENSIONS	4-1	Lift	h ₃ in (mm)	4.7 (120)
	4-2	Height drawbar in driving position min./max.	h ₁₄ in (mm)	31/49 (788/1248)
	4-3	Height, lowered	h ₁₃ in (mm)	3.3 (84.5)
	4-4	Overall length	l ₁ in (mm)	65.1 (1653.5)
	4-5	Length to face of forks	l ₂ in (mm)	19.4 (493.5)
	4-6	Overall width	b ₁ in (mm)	28 (712)
	4-7	Fork dimensions	s / e / e ₁ / l in (mm)	2.2 / 3.3 / 6.7 / 45.67 (55 / 85 / 170 / 1160)
	4-8	Forks spread	b ₉ in (mm)	28 (712)
	4-9	Ground clearance, centre of wheelbase	m ₂ in (mm)	1.2 (29.5)
	4-10	Aisle width for two pallets 1213mm x 526mm crossways (beverage) ³	A _{st} in (mm)	88.9 (2259)
	4-11	Aisle width for GMA pallet 1016mm x 1219mm lengthwise (GMA) ³	A _{st} in (mm)	87.6 (2225)
	4-12	Aisle width for two pallets 1117mm x 526mm crossways (food) ³	A _{st} in (mm)	87.1 (2212)
	4-13	Turning radius ²	W ₃ in (mm)	59.4 (1510)
PERFORMANCE	5-1	Travel speed, laden/unladen	km/h m/h (km/h)	3.73 / 3.73 (6 / 6)
	5-2	Travel speed, laden/unladen, backwards	km/h m/h (km/h)	3.73 / 3.73 (6 / 6)
	5-3	Gradeability, laden/unladen	% %	5,5 / 15
	5-4	Max. gradeability, laden/unladen ⁴	% %	10 / 20 (12 / 24)
	5-5	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)
ADDITIONAL	7-1	Sound pressure level at operating position	dB (A)	< 70

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.

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, ...), diesel, petrol, fuel gas		Battery
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian
	1-5	Rated capacity/rated load	Q (t) lb (kg)	1200 (544)
	1-6	Load distance, centre of drive axle to fork ³	x in (mm)	28.2 (716.5)
	1-7	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)
	3-4	Wheels, number front/rear (x = driven wheels)		2 / 2
	3-5	Tread, front	b ₁₀ in (mm)	7.5 (190)
DIMENSIONS	4-1	Height, mast lowered	h ₁ in (mm)	61.2 (1555)
	4-2	Lift	h ₃ in (mm)	16.5 (420)
	4-3	Height, mast extended	h ₄ in (mm)	77.8 (1975)
	4-4	Height drawbar in driving position	h ₁₄ in (mm)	50.96 (1294.5)
	4-5	Height, lowered	h ₁₃ in (mm)	6.1 (155)
	4-6	Overall length	l ₁ in (mm)	49.5 (1258.5)
	4-7	Length to face of forks	l ₂ in (mm)	7.8 (198.5)
	4-8	Overall width	b ₁ in (mm)	22 (559)
	4-9	Fork dimensions	s / e / l in (mm)	3 / 5 / 41.7 (75 / 126 / 1060)
	4-10	Forks spread	b ₅ in (mm)	21 (533)
	4-11	Ground clearance, centre of wheelbase	m ₂ in (mm)	3.2 (80)
	4-12	Aisle width for one 526 x 1213mm pallet	A _{st} in (mm)	66.95 (1700.7)
	4-13	Aisle width for one pallet 526 x 1117mm pallet	A _{st} in (mm)	69.7 (1617.95)
	4-15	Turning radius ²	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)
	5-2	Travel speed, laden/unladen, backwards	m/h (km/h)	2.5 - 2.5 (4 - 4)
	5-3	Lift speed, laden/unladen	f/s (m/s)	0.21 / 0.18 (0.064 / 0.055)
	5-4	Lowering speed, laden/unladen	f/s (m/s)	0.19 / 0.19 (0.06 / 0.06)
	5-5	Gradeability, laden/unladen	%	20 / 11.4
	5-6	Max. gradeability, laden/unladen ⁶	%	10 / 20 (12 / 24)
	5-7	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 _s	V / Ah	24 / 20
	6-5	Battery weight ¹	lb (kg)	17.6 (8)
ADDITIONAL	7-1	Sound pressure level at operating position	dB (A)	< 70

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2. Values with lowered forks.

6. Values in bracket are Optional.

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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

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Trucks may be shown with optional equipment and/or features not available in all regions. 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.