



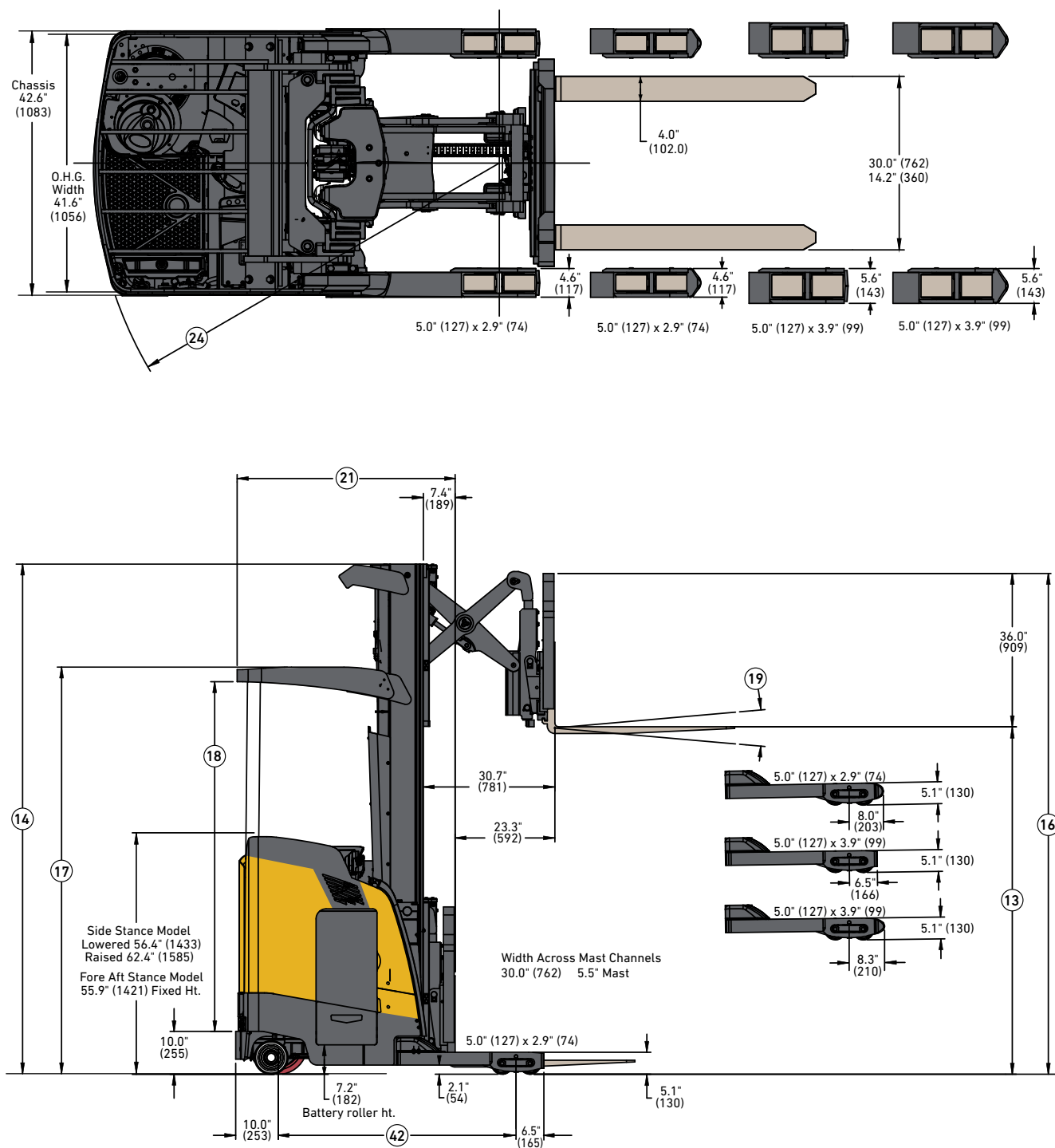
NR/NDR 030-040DC

SPEC SHEET

Pantograph
reach truck

3,000-4,000 lbs.

TRUCK DIMENSIONS - NR035-040DC



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

GENERAL SPECIFICATIONS - NR035-040DC

GENERAL	1	Manufacturer name			Yale			
	2	Model			NR035DC		NR040DC	
	3	Wheel base designation *			SWB		SWB	
	4	Rated capacity		lb. (kg)	3500 (1588)		4000 (1814)	
	5	Load center	Distance	in. (mm)	24 (610)		24 (610)	
	6	Power type	Electric, diesel, LPG		Electric - 24V	Electric - 36V	Electric - 24V	Electric - 36V
WT.	7	Operator type			Stand		Stand	
	8	Tire type	Load/caster/drive		Poly/Poly/Poly		Poly/Poly/Poly	
	9	Wheels	Number load/drive (x=driven)		4 / 2 (1x)		4 / 2 (1x)	
	10	Truck weight	Without battery (approximate)		lb.	5340	5360	
DIMENSIONS	12	Axle loading with assembly retracted ** (front/rear)		lb.	6773/4160		7373/4082	
	13	Height	Standard lift (TOF)	in. (mm)	See mast table			
	14		Standard mast lowered (OALH)	in. (mm)				
	15		Freelift (TOF)	in. (mm)				
	16		Standard mast extended w/LBR	in. (mm)				
	17		Top of OHG	in. (mm)				
	18		Operator clearance	in. (mm)				
	19	Mast tilt angle	Forward/back	degrees	3 / 4		3 / 4	
	20	Forks	Standard (length x width x thickness)	in.	1.60 x 3.9 x 42		1.80 x 3.9 x 42	
	21	Headlength to face of forks - all battery compartments ***		in. (mm)	See mast table		See mast table	
	22	Outrigger ID		in.	34"- 49" (1" increments)		34"- 49" (1" increments)	
	23	Battery compartment size	12.5" battery compartment - (LxWxH)	in.	39.0 x 12.5 x 31.5		39.0 x 12.5 x 31.5	
			14.25" battery compartment - (LxWxH)	in.	39.0 x 14.25 x 31.5		39.0 x 14.25 x 31.5	
			16.25" battery compartment - (LxWxH)	in.	39.0 x 16.25 x 31.5		39.0 x 16.25 x 31.5	
	24	Turning radius - minimum outside	12.5" battery compartment	in.	65.67		65.67	
			14.25" battery compartment	in.	65.67		65.67	
			16.25" battery compartment	in.	67.60		67.60	
	25	Aisle width - zero clearance	Right angle stack	see chart	See "RAS" table		See "RAS" table	
PERFORMANCE	26	Stability	Comply with ANSI		YES		YES	
	TRAVEL SPEED							
	28	Rearward (chassis first) - empty/RL		mph	6.5/6.5		6.5/6.5	
	29	Forward (forks first) - empty/RL		mph	6.5/6.0 †		6.5/6.0 †	
	LIFT SPEED							
	31	Empty		ft/min	66	77	66	77
	32	2,000 lb.		ft/min	50	65	50	63
	33	3,000 lb.		ft/min	40	60	43	57
	34	3,500 lb.		ft/min	37	56	40	53
	35	4,000 lb.		ft/min	N/A		35	50
	36	4,500 lb.		ft/min	N/A		N/A	
	37	Lowering speeds	Empty	ft/min	85		85	
	38		RL	ft/min	85		85	
WHEELS & TIRES	39	Size - front load wheels, standard			5 x 3.9		5 x 3.9	
	41	Size, standard - drive tire/dual casters			13.5 x 5.5 / 7.9 x 2.2		13.5 x 5.5 / 7.9 x 2.2	
	42	Wheelbase	12.5" battery ccompartment	in.	55.6		55.6	
			14.25" battery compartment	in.	55.6		55.6	
			16.25" battery compartment	in.	57.6		57.6	
	43	Brakes, service/parking (method of control)			Foot / auto		Foot / auto	
44	Brake, service/parking (method of operation)			Regen / spring apply (electric release)		Regen / spring apply (electric release)		
ELECTRIC	45	Battery type			Lead acid Thin Plate Pure Lead [®] Lithium-ion [®]		Lead acid Thin Plate Pure Lead [®] Lithium-ion [®]	
	46	Traction motor rating (60 minute rating)		hp (kw)	8 (6)	8.9 (6.6)	8 (6)	8.9 (6.6)
	47	Hoist motor rating (5 minute rating)		hp (kw)	11.1 (8.3)	17.7 (13.2)	11.1 (8.3)	17.7 (13.2)
	48	Traction motor control method			Transistor		Transistor	
	49	Hoist motor control method			Transistor		Transistor	
	50	Number of speeds			Infinitely variable		Infinitely variable	

SWB = Short wheel base; LWB = Long wheel base
RL = Rated load

* Short or long wheelbase is for double reach only. LWB for double reach masts 278" and below

** Static with rated load and max. wt. battery

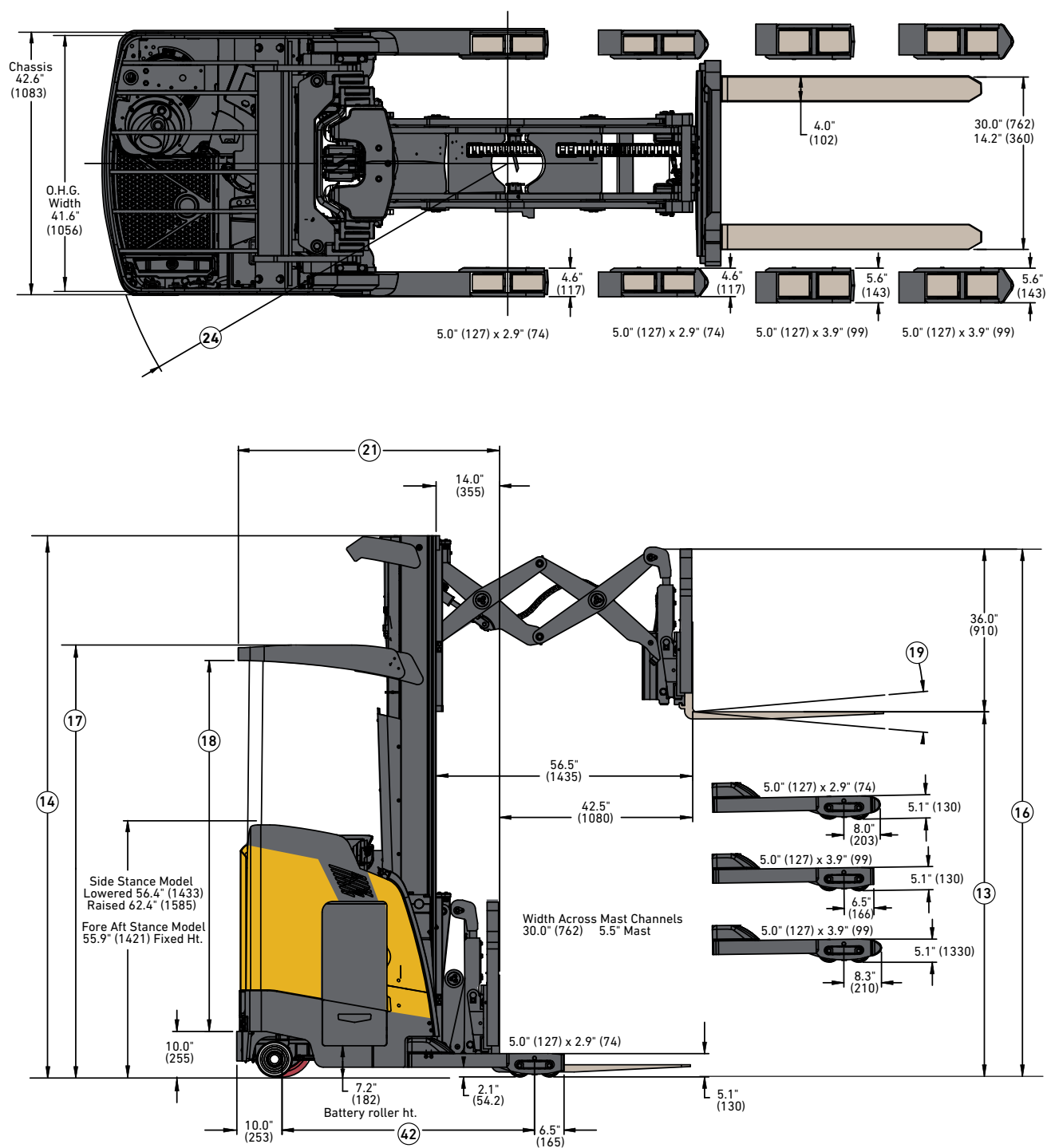
*** Includes integral sideshift, subtract 1" for without sideshift

† Travel speed is reduced to 6.0mph for loads 2500lbs and greater in the forks leading direction.

‡ Optional with Yale Power Key

NOTE: Performance specifications / ratings are for truck equipped as described under Standard Features.

TRUCK DIMENSIONS - NDR030DC



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

GENERAL SPECIFICATIONS - NDR030DC

GENERAL	1	Manufacturer name		Yale		
	2	Model		NDR030DC		
	3	Wheel base designation *		LWB		
	4	Rated capacity	lb. (kg)	3000 (1361)		
	5	Load center	Distance	24 (610)		
	6	Power type	Electric, diesel, LPG		Electric - 24V	Electric - 36V
WT.	7	Operator type		Stand		
	8	Tire type	Load/caster/drive		Poly/Poly/Poly	
	9	Wheels	Number load/drive (x=driven)		4 / 2 (1x)	
	10	Truck weight	Without battery (approximate)	lb.	5590	
DIMENSIONS	12	Axle loading with assembly retracted ** (front/rear)		lb.	6353/4330	
	13	Height	Standard lift (TOF)	in. (mm)	See mast table	
	14		Standard mast lowered (OALH)	in. (mm)		
	15		Freelift (TOF)	in. (mm)		
	16		Standard mast extended w/LBR	in. (mm)		
	17		Top of OHG	in. (mm)		
	18		Operator clearance	in. (mm)		
	19	Mast tilt angle	Forward/back	degrees	3 / 4	
	20	Forks	Standard (length x width x thickness)	in.	1.60 x 3.9 x 42	
	21	Headlength to face of forks - all battery compartments ***		in. (mm)	See mast table	
	22	Outrigger ID		in.	34"- 49" (1" increments)	
	23	Battery compartment size,	12.5" battery compartment - (LxWxH)	in.	N/A	
			14.25" battery compartment - (LxWxH)	in.	39.0 x 14.25 x 31.5	
			16.25" battery compartment - (LxWxH)	in.	39.0 x 16.25 x 31.5	
	24	Turning radius - minimum outside	12.5" battery compartment	in.	N/A	
			14.25" battery compartment	in.	70.47	
			16.25" battery compartment	in.	72.40	
	25	Aisle width - zero clearance	Right angle stack	see chart	See "RAS" table	
PERFORMANCE	26	Stability	Comply with ANSI		YES	
	TRAVEL SPEED					
	28	Rearward (chassis first) - empty/RL		mph	6.5/6.5	
	29	Forward (forks first) - empty/RL		mph	6.5/6.0 †	
	LIFT SPEED					
	31	Empty		ft/min	66	77
	32	2,000 lb.		ft/min	52	65
	33	3,000 lb.		ft/min	45	57
	34	3,500 lb.		ft/min	N/A	
	35	4,000 lb.		ft/min	N/A	
	36	4,500 lb.		ft/min	N/A	
	37	Lowering speeds	Empty	ft/min	85	
			RL	ft/min	85	
WHEELS & TIRES	39	Size - front load wheels, standard			5 x 2.9	
	41	Size, standard - drive tire/dual casters			13.5 x 5.5 / 7.9 x 2.2	
	42	Wheelbase	12.5" battery compartment	in.	N/A	
			14.25" battery compartment	in.	60.6	
			16.25" battery compartment	in.	62.6	
	43	Brakes, service/parking (method of control)			Foot / auto	
44	Brake, service/parking (method of operation)			Regen / spring apply (electric release)		
ELECTRIC	45	Battery type			Lead acid Thin Plate Pure Lead® Lithium-ion®	
	46	Traction motor rating (60 minute rating)		hp (kw)	8 (6)	8.9 (6.6)
	47	Hoist motor rating (5 minute rating)		hp (kw)	11.1 (8.3)	17.7 (13.2)
	48	Traction motor control method			Transistor	
	49	Hoist motor control method			Transistor	
	50	Number of speeds			Infinitely variable	

SWB = Short wheel base; LWB = Long wheel base
RL = Rated load

* Short or long wheelbase is for double reach only. LWB for double reach masts 278" and below

** Static with rated load and max. wt. battery

*** Includes integral sideshift, subtract 1" for without sideshift

† Travel speed is reduced to 6.0mph for loads 2500lbs and greater in the forks leading direction.

‡ Optional with Yale Power Key

NOTE: Performance specifications / ratings are for truck equipped as described under Standard Features.

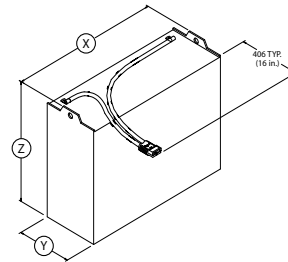
NR/NDR030-040DC MAST DIMENSIONS (5.5" STANDARD)

Overall lowered ht.	Max. fork height (TOF)	Free-lift (TOF)	Overall height (mast extended) highest point w/36" LBR	Overhead guard height to top	Operator clearance	Head length (length to face of forks)			
						12.5" & 14.25"	14.25"	16.25"	
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	Single reach	Double reach	Single reach	Double reach
3-STAGE FULL FREE-LIFT (FFL) HI-VISTM MAST									
87 (2210)	191 (4851)	48 (1219)	230 (5842)	87 (2212)	74.3 (1887)	52.16	57.83	54.21	59.88
91 (2311)	203 (5156)	52 (1321)	242 (6147)	91 (2314)	78.3 (1989)	52.16	57.83	54.21	59.88
95 (2413)	212 (5385)	56 (1422)	251 (6375)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88
101 (2565)	227 (5766)	62 (1575)	266 (6756)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88
107 (2718)	242 (6147)	68 (1727)	281 (7137)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88
110 (2794)	251 (6375)	71 (1803)	290 (7366)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88
119 (3023)	272 (6909)	80 (2032)	311 (7899)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88

BATTERY AND COMPARTMENT SPECIFICATIONS

Battery specifications																	
Battery compartment size	Battery voltage	Maximum 6 hr rate		Battery compartment dimensions						Battery dimensions						Minimum batt. wt.	Maximum batt. wt.
				"X" max.		"Y" max.		"Z" max.		"X" max.		"Y" max.		"Z" max.			
		AH	KWH	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lb. (kg)	lb. (kg)
12.50"	24	1085	25.4	39.0	990	12.5	318	31.5	800	38.8	985	12.25	311	31	788	1400 (635)	1900 (862)
14.25"	24	1240	29	39.0	990	14.25	362	31.5	800	38.8	985	14	356	31	788	1600 (726)	2100 (953)
14.25"	36	775	27.2	39.0	990	14.25	362	31.5	800	38.8	985	14	356	31	788	1600 (726)	2100 (953)
16.25"	24	1395	32.6	39.0	990	16.25	413	31.5	800	38.8	985	16	406	31	788	1850 (839)	2350 (1066)
16.25"	36	930	32.6	39.0	990	16.25	413	31.5	800	38.8	985	16	406	31	788	1850 (839)	2350 (1066)

Battery connector: 24V - Red; 36V - Gray; Position "B", lead length 16"
Manufacturers standard cable size not to exceed 4/0 AWG
Battery compartment is designed to accommodate standard wet cell batteries with fixed lifting eyes and no cover.
Contact Applications Engineering to verify compatibility/fit when using maintenance free, covered or non-standard batteries.



Right angle aisle stacking

NR035-040DC

12.5" or 14.25" Battery Compartment and 42" ID

3 Stage - 4" Between Loads

Pallet Length (inches)	Pallet Width (inches)				
		36	40	44	48
	36	85	85	85	85
	40	87	87	86	86
	44	92	91	91	90
	48	96	96	95	95

Subtract 1" if without sideshift
Add 2" for 16.25" battery compartment

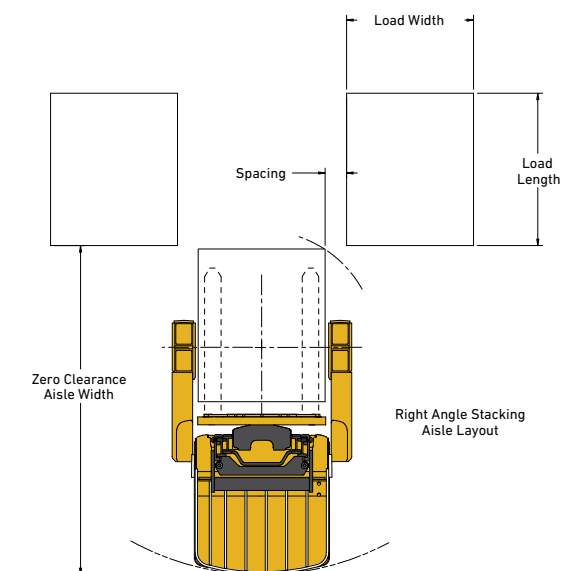
NDR030DC

14.25" Battery Compartment and 42" ID

3 Stage - 6" Between Loads

Pallet Length (inches)	Pallet Width (inches)				
		36	40	44	48
	36	87	86	86	86
	40	91	90	90	89
	44	96	95	95	94
	48	100	100	99	99

Sideshift is standard on double reach
Add 2" for 16.25" battery compartment



NOTE: These are "Zero Clearance" aisles and require an additional 6" to 12" to be added to provide for easier maneuvering.

FEATURES LIST - NR/NDR030-040DC

PERFORMANCE	STD	OPT
24-volt battery (includes 350 amp red battery connector)	●	
AC traction, lift/lower and steering	●	
Transistor controller with regenerative braking	●	
Electric power steering	●	
4 Independent fully programmable performance modes - Programmable traction speed, accelerations, Lift and Lower Speeds	●	
36-Volt battery (includes 350 amp gray battery connector)		●
DRIVE	STD	OPT
5" x 3.9" poly articulating tandem load wheels - high load compound (standard on NR035DC and NR040DC)	●	
5" x 2.9" poly articulating tandem load wheels - high load compound (standard on NDR030DC)	●	
Dual articulating polyurethane caster wheels	●	
Poly drive tire - 13.5" x 5.5"	●	
Steered caster (SPED)		●
Various sizes of load wheels with sealed bearings		●
Various drive tire compounds		●
Tapered load wheel boxes		●
LIFT	STD	OPT
91" / 203" / 52" - (5.5") 3-stage full free lift mast	●	
Tilting carriage (3° fwd, 4° back)	●	
Single reach mast (24" extend) with 33.5" wide Class II with integral sidishift (hook type carriage) - Standard Single Reach	●	
Double reach mast (42" extend) with 33.5" wide Class II with integral sidishift (hook type carriage) - Standard Double Deep Reach	●	
36" high load backrest extension	●	
Lift limit		●
48" high load backrest extension		●
Single reach mast without integral sidishift for standard 33.5" wide carriage		●
Various mast heights		●
HANDLING	STD	OPT
Forks: 1.8" x 3.9" (45 mm x 100 mm) 42" (1067 mm) class II, hook type (standard on NR040DC)	●	
Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) class II, hook type (standard on NDR030DC and NR035DC)	●	
Fully proportional lift/lower control	●	
Control handle with simultaneous hydraulic functions	●	
Load weight display		●
Fork height display		●
Reduced travel speed with carriage extended		●
Various fork lengths		●
ERGONOMICS	STD	OPT
Operator sensing system	●	
EZ Ride floor	●	
Low profile anti-fatigue floormat	●	
Adjustable armrest and backrest (sidestance operator controls only)	●	
Steer tiller position adjustment	●	
Low step height	●	
Padded operator compartment	●	
5" smart display: color touchscreen	●	
Yale Smart Ride® floor (full suspension floor)		●
7" smart display: color touchscreen		●
Operator overhead fan		●
Dual LED headlights		●
Rear LED worklight		●
Operator LED desktop light		●

OPERATION	STD	OPT
Standard construction	●	
UL classification E	●	
Sidestance operator controls	●	
Key switch start	●	
Wire mesh mast guard	●	
Automotive steering	●	
2 USB ports	●	
Static strap	●	
Electronic horn	●	
Sealed battery rollers	●	
Operator's overhead guard	●	
Rear post operator protection	●	
Power disconnect button	●	
Forward stance with aft operator control handle		●
Reverse steering		●
Clear mast guard		●
Keyless start		●
Rotary joystick (standard for cooler/freezer)		●
Battery gate interlock		●
Cooler/freezer construction (0°F to 120°F) with rubber floormat		●
Outtrigger ID - 34" to 49" in 1" Increments		●
Audible back-up and motion alarms		●
Visible amber strobe light - continuous activated		●
Impact monitor		●
Blue LED spotlights		●
RF terminal bracket		●
RF handheld scanner holder		●
12-volt DC auxiliary power supply		●
Wire mesh on top overhead guard		●
Rear operator compartment door (SPED)		●
Yale Vision		●
ENERGY SYSTEM	STD	OPT
Lead acid	●	
Yale Power Key		●
SUPPLEMENTAL	STD	OPT
12 Month / unlimited hours full truck warranty	●	
36 Month / 6,000 hour powertrain warranty	●	
Lifetime frame warranty	●	
Operating manual	●	

* Doors are intended to protect the operator from objects that may enter the operator's compartment but they may also slow the operator's egress in emergency situations. A review of the forklift's intended environment should be conducted before selecting a door as optional equipment.

** Sidishift includes 7" travel (3.5" each side). Sidishift travel will be reduced to 3" total (1.5" each side) when Outtrigger ID is less than 39".

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 robotics 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).