3,000 • 3,500 • 4,000 • 4,500 lbs

Yale NR/NDR-EA reach trucks combine the latest technology with improved performance to effectively meet the demands of high density warehousing.

Operator's compartment features a new movement forward in ergonomic design. The NR/NDR-EA offers two (2) operator compartments, the side-stance and the fore/aft stance compartments. The fully padded operator's compartment provides back and hip support. The noticeable non-pedal large floor has room for movement and is equipped with an Operator Presence Switch.

The side stance operator compartment has a large backrest pad with integral lumbar and armrest support. Mounted to the armrest pad is the multi-function control assembly. The multi-function control assembly is adjustable 3 inches in and out. The control handle is ergonomically designed with an integral palm rest and can be comfortably operated. The handle provides conveniently located controls for forward/reverse, lift/lower, 2-speed reach/retract, tilt, horn and optional sideshift.

The fore/aft stance compartment provides a support point for the operator facing forward. The multifunction handle assembly is a new single axis design and is mounted on the side pad assembly. The single axis design provides additional dynamic support point for operator.

CANbus Technology streamlines digital communications between truck systems through one main master controller. Dash display and traction controller are controlled via the CANbus network. The CANbus controller reduces wiring and electrical connections, resulting in improved reliability and improved visibility through the mast.

AC Motors include traction and main hydraulics. AC motor technology delivers high motor efficiency, braking torques, and powerful acceleration. A speed sensor built into the motor provides feedback to the control system, allowing motor speed and direction to be continuously monitored. A thermal protection system controls the power delivered to the motor.

In addition, increased motor maintenance interval is achieved through the brushless design of the auxiliary hydraulics and steer motors.

Drive unit uses a double gear reduction drive train with permanently lubricated steer bearing.

Yale Hi-Vis mast is available in triplex configurations for various heights. The trunnion mounted mast design provides for good load distribution and allows for easy service. The hydraulic cylinder incorporates a chrome plated rod for corrosion resistance. The cylinders are easily serviced and provide integral cushioning for excellent mast channel staging. Velocity fuses are provided to control lowering in the event of hydraulic failure. A manual lowering valve is standard.

Brake is spring applied and electrically released. Mounted above the drive motor and controlled by the Vehicle System Manager (VSM), the assembly provides emergency stopping and parking brake for the truck.

Vehicle System Manager (VSM) is an electronic module that monitors all truck functions. The VSM is the CANbus network master node and includes the vehicle application software. Built with input/ output capability, the system monitors inputs from the operator, vehicle performance and simultaneously adjusting the vehicle operation for the best performance.

Dash display Two dash displays are offered with the truck, the standard display and the premium display. The standard display provides status, warning, and fault messages to the operator. The display has input for operator to change drive mode from rabbit through turtle. It also provides setup and diagnostic menus for service technician. Hour meters for truck, traction, hoist, and auxiliary systems are also accessible through the menus. The optional premium display has all the same features as the standard display. In addition, the display provides larger text output, an integrated operator check list and maintenance reminder.

Console covers are thermally formed. The covers are easy to remove, providing access to main electrical components.

Reach mechanism includes strong rear frame weldment and inner arm weldment cross-members. The open carriage design and optimal hose routing provide good visibility. The two speed reach/retract cylinders are fully cushioned for smooth operation. Non-filled points have grease fittings for lubrication. Dual tilt cylinders are used to evenly distribute the load.

Hydraulic functions of the truck are managed by the VSM. The system employs an electro-hydraulic system which provides low noise, low heat and speed adjustment. Lift speed is adjusted by varying motor speed rather than opening a proportional valve. Lowering function is provided via regenerative lowering. Efficient design and the use of O-ring

		CAPA	CITY	
NR	-	3500	4000	4500
NDR	3000	3500*	-	ı

* 3500 lb @ 24" fork height. (Shuttle & transport application)

face seals have allowed significant reduction of hydraulic fittings reducing potential leak points. The hydraulic fluid reservoir is baffled to prevent foaming and is located away from the operator for heat reduction. A strainer and 10 micron spin-on filter are standard.

Frame features a fixed drive unit mounting with spring loaded caster assembly to compensate for uneven floors. It also incorporates thick plates, strong rear frame, and mast connections for enhanced durability. The frame is available in various battery compartment sizes based on truck capacity. The frame is available in 14.5 inches and 16.5 inches for the 3500 lb. and 4000 lb. trucks. The 16.5, 18.5 and 21.5 inch battery compartments are available for the 4500 lb. models.

All wiring is numbered for easy trouble-shooting and meets the UL 583 requirements. Sealed electrical connectors are used throughout the truck. Electrical connections are provided for convenient field installation of electric options.

Additional features include a bolt-on 36 inch (910 mm) high load backrest extension and 42 inch (1067 mm) long hook type forks as standard. All non-sealed friction points are equipped with grease fittings. The truck is painted gold, parchment, and black.

Options

- · Auto Fork Leveling
- Fork Height Display
- Fork Camera
- · Shelf Height Selector
- Audible Alarm
 - Reverse Operated
 - Forward and Reverse Operation
 - Forward/Reverse and Lift/Lower Operation
- · Visible Alarm
 - Amber Strobe (Continuous operation with Kev-on)
 - Amber Strobe (Forward and Reverse Operation)
- Lights
 - Operator Desktop LED Light (OHG Mounted)
 - Dual Headlight 12 Volt (OHG Mounted)
 - Rear Worklight 12 Volt (OHG Mounted)
- · Operator Compartment Rear Door
- · Various Fork Lengths
- · Various I.D. Outriggers
- · Operator Overhead Fan
- Cooler/Freezer and Sub Zero Packages
- Sideshifter (Standard on the Double Reach)
- Various Load Wheels and Drive Tires
- Steer Caster Electrically Steered
- · Side Stance With Comfort Package
- Fore/Aft/Stance With Comfort Package
- · Load weight display



MAST TABLES

		N	IR035-0	040EA	& NDR	030EA	- TRII	PLEX H	II-VIS M	AST (5	.5" STA	NDARE)				
Ove	rall						Overall Height (Mast Extended) Highest Point with							Head Le	ngth (Lengt	h to Face	of Forks)
	ered ight		Height Forks	Free	Lift		Point with gh LBR		d Guard to Top		rator rance	14.5"	B.C.	16.5	B.C.		
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	Single Reach	Double Reach	Single Reach	Double Reach		
87	2210	191	4851	48	1219	230	5842	86.5	2197	75.3	1913	52.12	58.02	54.12	60.02		
91	2311	203	5156	52	1321	242	6147	90.5	2299	79.3	2014	52.12	58.02	54.12	60.02		
95	2413	212	5385	56	1422	251	6375	94.5	2400	83.3	2116	52.12	58.02	54.12	60.02		
101	2565	227	5766	62	1575	266	6756	91	2311	79.8	2027	52.12	58.02	54.12	60.02		
107	2718	242	6147	68	1727	281	7137	91	2311	79.8	2027	52.12	58.02	54.12	60.02		
110	2794	251	6375	71	1803	290	7366	91	2311	79.8	2027	52.12	58.02	54.12	60.02		
119	3023	272	6909	80	2032	311	7899	91	2311	79.8	2027	52.12	58.02	54.12	60.02		

			N	IR045	EA &	NDRO	35EA	- T	RIPLE	X HI-	VIS M	AST (5.5" H	EAVY	DUTY	()			
Ove	erall					Overall (Mast E	Height xtended)						Не	ad Leng	th (Lengt	h to Fac	e of Fork	(8)	
	ered ight		Height Forks	Free	Lift		t Point 6" High		d Guard to Top		rator rance	14.5	" B.C.	16.5	B.C.	18.5'	' B.C.	21.5'	' B.C.
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	Single Reach	Double Reach	Single Reach	Double Reach	Single Reach	Double Reach	Single Reach	Double Reach
95	2413	212	5385	56	1422	251	6375	94.5	2400	83.3	2116	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
101	2565	224	5690	62	1575	263	6680	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
107	2718	239	6071	68	1727	278	7061	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
110	2794	245	6223	71	1803	284	7214	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
119	3023	266	6756	80	2032	305	7747	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
125	3175	278	7061	86	2184	317	8052	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38
131	3327	293	7442	92	2337	332	8433	91	2311	79.8	2027	55.47	61.38	57.47	63.38	59.47	65.38	62.47	68.38

				NR	045E/	A & ND	R035	EA - '	TRIPLI	EX HI-	VIS MA	ST (6.	.9")				
Ove	erall					(Mast E	Height xtended)					Head Length (Length to Face of Forks)					
	ered ight		Height Forks	Free	Lift		Point with High		d Guard to Top		rator rance	16.5	' B.C.	18.5	' B.C.	21.5'	' B.C.
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	Single Reach	Double Reach	Single Reach	Double Reach	Single Reach	Double Reach
119	3023	272	6909	80	2032	311	7899	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
125	3175	287	7290	86	2184	326	8280	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
131	3327	302	7671	92	2337	341	8661	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
138	3505	320	8128	99	2515	359	9119	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
143	3632	332	8433	104	2642	371	9423	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
146	3708	341	8661	107	2718	380	9652	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
157	3988	368	9347	118	2997	407	10338	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
170	4318	401	10185	131	3327	440	11176	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50
179	4547	422	10719	140	3556	461	11709	91	2311	79.8	2027	57.59	63.50	59.60	65.50	62.59	68.50

			BATTERY SPE	CIFICATIONS			
Battery	5	Capacity	Battery Dimension			Min Batt	Max Batt
Compartment	Battery Voltage	6 Hour Rate	"X" Max.	"Y" Max.	"Z" Max.	Weight	Weight
Size	Vullaye	amp hr	in. (mm)	in. (mm)	in. (mm)	lb. (kg)	lb. (kg)
14.5"	36	1240	38.8 (985)	14.25 (362)	31.0 (788)	1500 (680)	2100 (953)
16.5"	36	1240	38.8 (985)	16.25 (413)	31.0 (788)	1700 (771)	2300 (1043)
18.5"	36	1240	38.8 (985)	18.25 (464)	31.0 (788)	2200 (998)	2800 (1270)
21.5"	36	1240	38.8 (985)	21.25 (540)	31.0 (788)	2500 (1134)	3100 (1406)

RIGHT ANGLE AISLE STACKING ("RAS" TABLE)

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

	NR035/40EA									
Truck with 14.5" Battery Compartment and 42" ID										
Triplex - 4" Between Loads										
	Pallet Width (inches)									
Pallet		36	40	44	48					
Length	36	85	85	85	85					
(inches)	40	87	87	86	86					
	44	92	91	91	90					
	48	96	96	95	95					

Add 2" for 16.5" Battery Compartment Add 1" for Sideshift

NDR030EA										
Truck with 14.5" Battery Compartment and 42" ID										
Triplex - 4" Between Loads										
	Pallet Width (inches)									
Pallet		36	40	44	48					
Length	36	90	90	90	90					
(inches)	40	91	91	91	91					
	44	95	94	94	93					
	48	99	99	98	98					

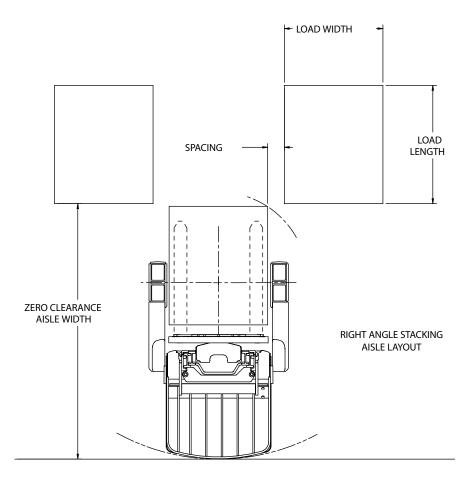
Add 2" for 16.5" Battery Compartment Sideshift is Standard on Double Reach

NDR035EA										
Truck with 16.5" Battery Compartment and 42" ID										
Triplex - 4" Between Loads										
	Pallet Width (inches)									
Pallet		36	40	44	48					
Length	36	92	91	91	91					
(inches)	40	96	96	95	94					
	44	101	100	100	99					
	48	105	105	104	104					

Add 2" for 18.5" Battery Compartment Add 5" for 21.5" Battery Compartment Sideshift is Standard on Double Reach

	NR045EA									
Truck with 16.5" Battery Compartment and 42" ID										
Triplex - 4" Between Loads										
	Pallet Width (inches)									
Pallet		36	40	44	48					
Length	36	88	88	87	87					
(inches)	40	93	92	92	91					
	44	97	97	96	96					
	48	102	101	101	100					

Add 2" for 18.5" Battery Compartment Add 5" for 21.5" Battery Compartment Add 1" for Sideshift



Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale Industrial Truck Dealer if any of the information shown is critical to your application. Specifications are subject to change without notice.

This truck meets all design specifications of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc. as to fire hazard only.

The Yale products included in this document may be covered by US patent 6,684,148 and other patents pending.

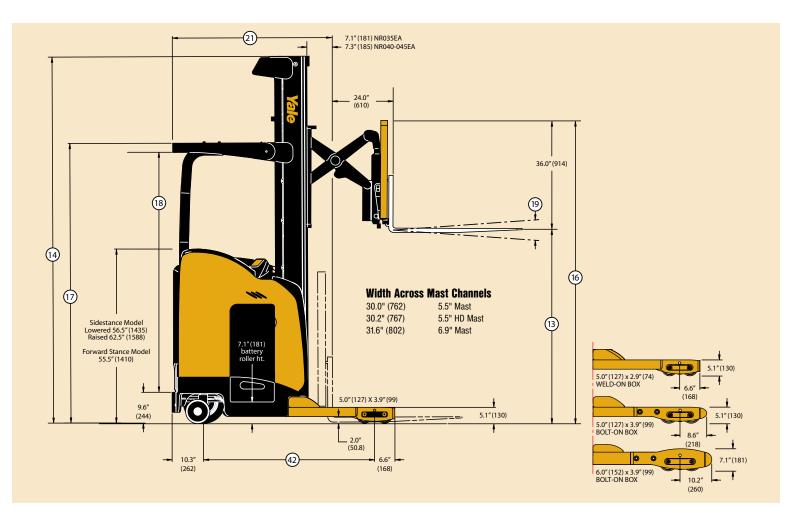
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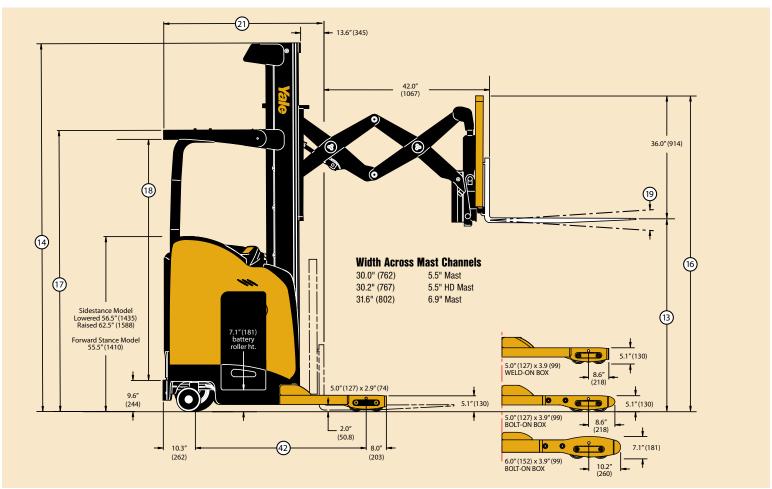


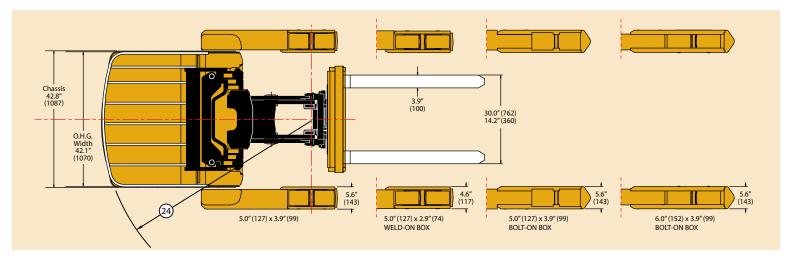
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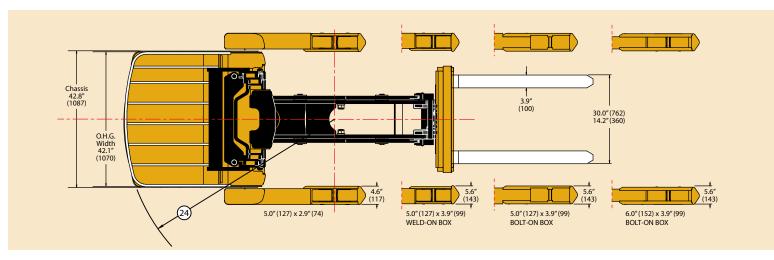






1 Manufacturer	Manufacturer's Name	
2 Model Designation	Manufacturer's Model Designation	
3 Model Configuration	Wheel Base Designation 2	
4 Rated Capacity	Load Capacity	lbs.
5 Load Center	Distance	in.
6 Power type	Electric, Diesel, LPG	1111.
7 Operator type	Pedestrian, Stand, Seated Rider	
8 Tire type	Load / Caster / Drive	
9 Wheels (x = driven)	Load / Drive	
10 Truck Weight	without Battery (approximate)	lbs.
11	without Buttery (approximate)	100.
Axle Loading - Front / Rear with Assembly Retracted	Static with Rated Load and Max. Wt. Battery	lbs.
13	Standard Lift (Max Fork Height)	in. (mm)
14	Standard Mast Lowered (OALH)	in. (mm)
15	Freelift (Max Fork Height)	in. (mm)
Mast Triplex Hi-Vis	Standard Mast Extended w/ LBR	in. (mm)
17	Top of OHG	in. (mm)
18	Operator Clearance	in. (mm)
9 Carriage	Tilt Angle (forward / back)	degrees °
Contage Forks	Standard (length x width x thickness)	in.
Headlength to Face of Forks ¹	All - Battery Compartments	in.
Outrigger ID	Dattery Compartments	in.
- Outrigger ib	14.5" Battery Compartment	in.
	16.5" Battery Compartment	in.
Battery Compartment Size - Length x Width x Height	18.5" Battery Compartment	in.
	21.5" Battery Compartment	in.
	14.5" Battery Compartment	in.
	16.5" Battery Compartment	in.
Turning Radius - Minimum Outside 1	18.5" Battery Compartment	in.
	21.5" Battery Compartment	in.
Aisle Width - Zero Clearance - Right Angle Stack ¹	21.5 Battery Compartment	see chart
Alsie Width - Zelo Clearance - night Angle Stack		See Chart
26 Stability - Comply with ANSI		
Stability - Comply with ANSI	Rearward (chasis first) - Empty / Rated Load	mph
Stability - Comply with ANSI Travel Speed	Rearward (chasis first) - Empty / Rated Load	mph
Stability - Comply with ANSI Travel Speed	Rearward (chasis first) - Empty / Rated Load Forward (forks first) - Empty / Rated Load	mph mph
Stability - Comply with ANSI Travel Speed 90	Forward (forks first) - Empty / Rated Load	mph
Stability - Comply with ANSI Travel Speed 100 101 101 102 103 103 103 104 105 105 105 105 105 105 105 105 105 105	Forward (forks first) - Empty / Rated Load Empty	mph ft/min
Stability - Comply with ANSI Travel Speed 100 101 102 103 103 104 105 105 105 105 105 105 105 105 105 105	Forward (forks first) - Empty / Rated Load Empty 2000	mph ft/min ft/min
Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional	Forward (forks first) - Empty / Rated Load Empty 2000 3000	mph ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional	Forward (forks first) - Empty / Rated Load Empty 2000 3000 3500	mph ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional	Forward (forks first) - Empty / Rated Load Empty 2000 3000 3500 4000	mph ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lift Speeds - Standard / Optional	Empty 2000 3000 4500	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional	Empty 2000 3000 3500 4000 4500 Empty	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional	Empty 2000 3000 3500 4000 4500 Empty Rated Load	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating)	Empty 2000 3000 3500 4000 4500 Empty	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating)	Empty 2000 3000 3500 4000 Empty Rated Load Empty Standard	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating)	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating)	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment	mph ft/min
Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating)	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in.
Stability - Comply with ANSI Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in.
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base	Empty 2000 3000 3500 4000 4500 Empty Rated Load Empty Rated Load Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 21.5" Battery Compartment	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in.
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base	Empty 2000 3000 3500 4000 4500 Empty Rated Load Empty Rated Load Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 21.5" Battery Compartment Method of Control	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min it/min ft/min ft/min ft/min
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base Brakes, service / parking	Empty 2000 3000 3500 4000 4500 Empty Rated Load Empty Rated Load Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 21.5" Battery Compartment	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min it/min it/min it/min it/min
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base Brakes, service / parking Battery, type	Empty 2000 3000 3500 4000 4500 Empty Rated Load Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 18.5" Battery Compartment 18.5" Battery Compartment Method of Control Method of Operation	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base Brakes, service / parking Battery, type	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 21.5" Battery Compartment Method of Control Method of Operation Traction motor rating (60 minute rating)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)
26 Stability - Comply with ANSI 27 28 Travel Speed 29 30 31 32 33 Lift Speeds - Standard / Optional 34 35 36 37 Lowering Speeds - Standard / Optional 39 Size - front load wheels (tandem articulating) 40 Size - drive tire / dual casters 42 Wheel Base 43 Brakes, service / parking 45 Battery, type	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 18	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.
Stability - Comply with ANSI Travel Speed Travel Speed Lift Speeds - Standard / Optional Lowering Speeds - Standard / Optional Lowering Speeds - Standard / Optional Size - front load wheels (tandem articulating) Size - drive tire / dual casters Wheel Base Brakes, service / parking Battery, type Battery, type	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 18.5" Battery Compartment Traction motor rating (60 minute rating) Hoist motor rating (5 minute rating) Traction motor control method	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)
26 Stability - Comply with ANSI 27 28 Travel Speed 29 30 31 32 33 Lift Speeds - Standard / Optional 34 35 36 37 Lowering Speeds - Standard / Optional 39 Size - front load wheels (tandem articulating) 40 Size - drive tire / dual casters 42 Wheel Base 43 Brakes, service / parking 44 Battery, type 46 47	Empty 2000 3000 3500 4000 4500 Empty Rated Load Standard Standard 14.5" Battery Compartment 16.5" Battery Compartment 18.5" Battery Compartment 18	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)

- Single Reach add 1" for Sideshift, Double Reach is standard with Sideshift
 Short or Long Wheelbase is determined by Mast Height
 Travel Speed will be reduced to 6.8 / 5.8 (Empty / Rated Load) with MFHs above 341" in the Rearward and Forward direction.



				Ya	ale					1
NROS	35EA	NR04	40EA		30EA	NRO	45EA	NDRO	35EA	2
SV		SV		LWB	SWB		WB	LWB	SWB	3
3500			(1814)		(1361)		(2041)		(1588)	4
24 (24 ((610)		(610)		(610)	5
	- 36 volt		- 36 volt		- 36 volt		- 36 volt		- 36 volt	6
									and	7
	and . / Dulahari		and		and Date		and - h . / D - h .			8
Poly / Poly		Poly / Poly			oly / Poly		oly / Poly		oly / Poly	_
4/2			2 (1x)		2 (1x)		2 (1x)		2 (1x)	9
49			00	5250	N/A		00	5650	N/A	10
Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	11
6750	3800	7400	3700	6300	4050	8400	3800	6700	4250	12
See Ma	st Table	See Ma	st Table	See Ma	st Table	See Ma	ast Table	See Ma	ast Table	13 14 15 16 17
3° Fwd /	1º Back	3° Ewd /	' 1° Back	3° Fwd / 1° Back		3° Ewd	4° Back	3° Fwd / 4° Back 1.60 x 3.9 x 42 See Mast Table		19
1.60 x 3		3° Fwd / 4° Back 1.80 x 3.9 x 42		3° Fwd / 4° Back 1.60 x 3.9 x 42			3.9 x 42	1.60 x 3.9 x 42		20
										21
See Ma		See Ma			ast Table		ast Table			22
34"- 49" (1"		34"- 49" (1"			increments)		increments)		increments)	
39.0 x 14			.5 x 31.5		1.5 x 31.5		/A		/A	
39.0 x 16		39.0 x 16			6.5 x 31.5		6.5 x 31.5		6.5 x 31.5	- 23
N ₂		N,			<u>/A</u>		3.5 x 31.5		3.5 x 31.5	- 22
N ₂	/A	N,			/A	39.0 x 2	1.5 x 31.5	39.0 x 2 ⁻	1.5 x 31.5	_
65	.74	65	.74	70.74	65.74	N	/A	N,	/A	
67.	.74	67	.74	72.74	67.74	67	.90	72.90	67.90	- 24
N ₂	/A	N,	/A	N,	/A	69	.90	74.90	69.90	
N _i	/A	N,	/A	N,	/A	72	.90	77.90	72.90	
See "RA	S" Table	See "RA	S" Table	See "RA	S" Table	See "RA	S" Table	See "RA	S" Table	25
Ye	es	Ye	es	Ye	es	Y	es	Ye	es	26
Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	27
7.4/6.5	N/A	7.4/6.5	N/A	7.4/6.8	N/A	7.4/6.5 ³	8.0/6.5 ³	7.4/6.8 ³	8.0/6.8 ³	28
7.4/6.5	N/A	7.4/6.0	N/A	7.4/6.8	N/A	7.4/5.8 ³	8.0/5.8 ³	7.4/6.5 ³	8.0/6.5 ³	29
Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	Standard	Optional	30
100	N/A	100	114	100	114	114	130	114	130	31
75	N/A	75	86	71	82	86	98	82	93	32
69	N/A	69	78	65	73	78	90	73	85	33
64	N/A N/A	64	72	N/A	N/A	72	84	70	79	34
N/A	N/A N/A	60	68	N/A N/A	N/A N/A	68	78	N/A	N/A	35
							78 74			36
N/A	N/A	N/A	N/A	N/A	N/A	65		N/A	N/A	
95	N/A	95	N/A	95	N/A	105	105	105	105	37
95	N/A	95	N/A	95	N/A	105	105	105	105	38
5 x			3.9		2.9		3.9		2.9	39
Drive	Caster	Drive	Caster	Drive	Caster	Drive	Caster	Drive	Caster	40
12.0 x 5.5	7.9 x 2.2	12.0 x 5.5	7.9 x 2.2	12.0 x 5.5	7.9 x 2.2	13.5 x 5.5	7.9 x 2.2	13.5 x 5.5	7.9 x 2.2	41
55.			.35	60.35	N/A		<u>/</u> A		/A	
57.		57.		62.36	N/A	57	.36	62.36	57.36	- 42
N ₂		N,			/A	59	.37	64.37	59.37	43
N ₂	/A	N,	/A	N,	/A	62	.36	67.36	62.36	
Fo	oot	Fo	oot	Fo	oot	Fo	oot	Fo	oot	43
Spring Apply / E	Electric Release	Spring Apply / E	Electric Release	Spring Apply / I	Electric Release	Spring Apply /	Electric Release	Spring Apply / I	Electric Release	44
	Acid		Acid		Acid		Acid		Acid	45
7.5 (5.6)		(5.6)	7.5 (5.6)	8.7 (6.5)	7.5 (5.6)	8.7 (6.5)	46
14.8		14.8 (11.0)	18.0 (13.4)	14.8 (11.0)	18.0 (13.4)	18.0 (13.4)	20.7 (15.4)	18.0 (13.4)	20.7 (15.4)	47
Trans			sistor		sistor		sistor		sistor	46 47 48 49
Trans			sistor		sistor		sistor		sistor	//0
Infinitely										50
iriiritely	variable	iriinitely	Variable	ırıınıteiy	Variable	iriinitely	Variable	iriiniteiy	Variable	UU