

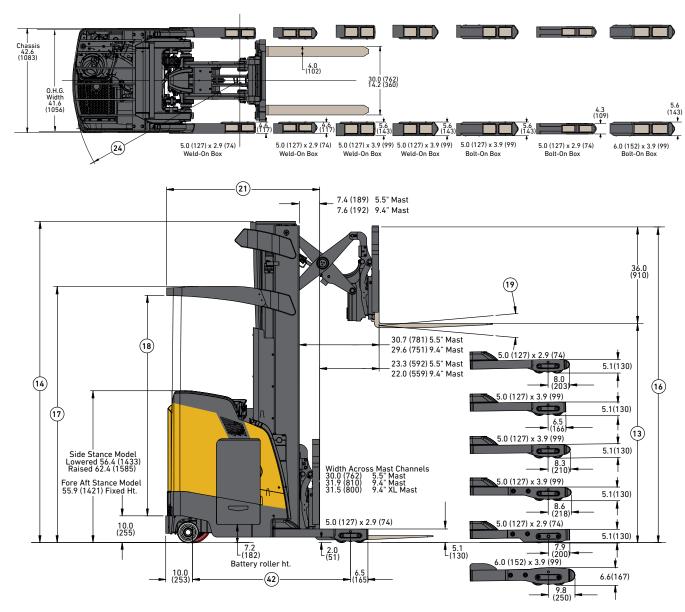


NR/NDR 030-045EC

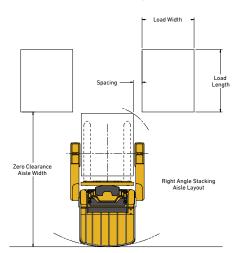
SPEC SHEET

Pantograph reach truck

3,000-4,500 lbs.



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



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

Right angle aisle stacking

NR03	NR035-040EC - 5.5" MAST												
14.25" Battery cmpartment and 42" ID													
3 Stage	3 Stage - 4" between loads												
	Pallet width (inches)												
		36	40	44	48								
Pallet	36	85	85	85	85								
length (inches)	40	87	87	86	86								
(11101100)	44	92	91	91	90								
	48	96	96										

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

NR04	NR040-045EC - 9.4" MAST										
16.25" Battery compartment and 42" ID											
3 Stage - 4" between loads											
	Pallet width (inches)										
		36	40	44	48						
Pallet	36	88	88	88	88						
length (inches)	40	92	92	91	91						
(51165)	44	97	96	96	96						
	48 101 101 100 100										

Subtract 1" for without sideshift Add 2" for 18.25" battery compartment (NR045EC only) Add 5" for 21.25" battery compartment (NR045EC only)

GENE	RAL SPECIFICATIONS - N	IR035-045FC								
OLIVE	1									
1	Manufacturer name			Ya		Ya			ale	
2	Model			NR03		NR04			45EC	
3	Wheel base designation *		I	SV		SW			WB	
GENERAL 6	Rated capacity	I a	lb. (kg)	3500 ((1588)	4000 (4500	(2041)	
E 5	Load center	Distance	in. (mm)			24 (8				
	Power type	Electric, diesel, LPG				Electric				
7	Operator type	T				Sta				
8	Tire type	Load/caster/drive				Poly/Po				
_	Wheels, number load/drive (x=		T	F/	0.0	4 / 2		F.0	120	
¥ 10 12	Truck weight, without battery (Axle loading with assembly ref		lb.	54 6874/			/30 /4228			
13	Axte toading with assembly rei	Standard lift (TOF)	in. (mm)	00747	4373	7459/	4270	0540.	74220	
14	-	Standard mast lowered (OALH)	in. (mm)	-						
15	-	Freelift (TOF)	in. (mm)	-						
16	Height	Standard mast extended w/LBR	in. (mm)	-		See ma	st table			
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		in.	1.60 x 3	3.9 x 42	1.80 x 3		1.80 x 3	3.9 x 42	
S 21	Headlength to face of forks	All battery compartments ***	in. (mm)			See ma				
SI 21 22 23	Outrigger ID		in.			34"- 49" (1"				
Z U	J.J.	14.25" - (LxWxH)	in.	39.0 x 14.	.25 x 31.5	39.0 x 14.		N	/A	
Σ		16.25" - (LxWxH)	in.	39.0 x 16.	.25 x 31.5	39.0 x 16.		39.0 x 16	.25 x 31.5	
23	Battery compartment size	18.25" - (LxWxH)	in.	N/	/A	N/	'A	39.0 x 18	.25 x 31.5	
		21.25" - (LxWxH)	in.	N/	/A	N/	'A	39.0 x 21.25 x 31.5		
				5.5" MAST 9.4" MAST		5.5" MAST	9.4" MAST	9.4" MAST		
		14.25" battery compartment	in.	65.6	N/A	65.6	N/A	N	/A	
2/	Torring andion animal autoids	16.25" battery compartment	in.	67.6	N/A	67.6	68.5	68.5		
24	Turning radius - min. outside	18.25" battery compartment	in.	N/	/A	N/	'A	70.5		
		21.25" battery compartment	in.	N/	/ Δ	N/	73.5			
				111/	- A	111/	A	, ,	3.0	
25	Aisle width - zero clearance	Right angle stack		147		See right ang	* *		5.0	
25 26	Stability	Right angle stack Comply with ANSI				See right ang	le stack table			
	Stability TRAVEL SPEED	Comply with ANSI		STANDARD	OPTIONAL	See right ang	le stack table S OPTIONAL	STANDARD	OPTIONAL	
26	Stability TRAVEL SPEED Rearward (chassis first)	Comply with ANSI Empty/RL	mph	STANDARD 7.5/6.5 †	OPTIONAL N/A	See right ang YE STANDARD 7.5/6.5 †	le stack table S OPTIONAL N/A	STANDARD 7.5/6.5 †	OPTIONAL 8.0/6.5 †	
26	Stability TRAVEL SPEED	Comply with ANSI		STANDARD 7.5/6.5 † 7.5/6.5 †	OPTIONAL N/A N/A	See right ang YE STANDARD 7.5/6.5† 7.5/6.5†	le stack table S OPTIONAL N/A N/A	STANDARD 7.5/6.5 † 7.5/6.5 †	OPTIONAL 8.0/6.5 † 8.0/6.5 †	
26 28 29	Stability TRAVEL SPEED Rearward (chassis first)	Comply with ANSI Empty/RL	mph	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD	OPTIONAL N/A N/A OPTIONAL	See right ang YE STANDARD 7.5/6.5† 7.5/6.5† STANDARD	le stack table S OPTIONAL N/A N/A OPTIONAL	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL	
26 28 29	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED ****	Comply with ANSI Empty/RL	mph mph	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST	OPTIONAL N/A N/A OPTIONAL 9.4" MAST	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST	le stack table ES OPTIONAL N/A N/A OPTIONAL 9.4" MAST	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST	
26 28 29	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty	Comply with ANSI Empty/RL	mph mph ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST	OPTIONAL N/A N/A OPTIONAL 9.4" MAST	See right ang	le stack table ES OPTIONAL N/A N/A OPTIONAL 9.4" MAST	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175	
26 28 29	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175	
26 28 29	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130	
26 28 29 31 31a	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175	
26 28 29 31 31a 32 32 33	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130 115	
28 28 29 31 31a 32 33 34	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A N/A N/A N/A	See right ang	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130 115 105	
26 28 29 31 31a 32 33 34 35	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb.	Comply with ANSI Empty/RL Empty/RL	mph mph ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A N/A N/A N/A N/A	See right ang	OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83	OPTIONAL 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130 115 105	
28 29 28 29 31 31a 32 33 34 35 36	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb.	Comply with ANSI Empty/RL	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A N/A N/A N/A N/A N/A N/A N/A N/A	See right ang	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95	
28 29 29 31 31a 32 33 34 35 36 37	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb.	Comply with ANSI Empty/RL Empty/RL Empty **** RL****	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5* MAST 130 110 95 78 75 70 N/A 110 110 5 x	DPTIONAL N/A N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL****	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110 110	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 70 N/A 110 110	DPTIONAL N/A N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 †† 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL****	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110 110	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5* MAST 130 110 95 78 75 70 N/A 110 110 5 x	DPTIONAL N/A N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 †† 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL****	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5* MAST 130 110 95 78 75 70 N/A 110 110 5 x 13.5 x 5.5	le stack table SS OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 140 3.9 / 7.9 x 2.2	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 †† 160 †† 3.9	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5 * MAST 130 110 95 78 75 70 N/A 110 110 5 x 13.5 x 5.5 * 5.5 * MAST	le stack table ES OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 × 2.2 9.4" MAST	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min it/min	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5* MAST 130 110 95 78 75 70 N/A 110 110 5 x 13.5 x 5.5 5.5* MAST	le stack table ES OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 × 2.2 9.4" MAST N/A 58.5	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9	
26 28 29 31 31a 32 33 34 35 36 37 38	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment 21.25" battery compartment	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5 * MAST 130 110 95 78 75 70 N/A 110 110 5 x 13.5 x 5.5 5.5 * MAST 55.6 57.6 N/	le stack table ES OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 × 2.2 9.4" MAST N/A 58.5	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 100 95 160 # 160 # 3.9 MAST /A	
26 28 29 31 31a 32 33 34 35 36 37 37 38 39 41	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of control	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang YE STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 5.5 * MAST 130 110 95 78 75 70 N/A 110 110 5 x 13.5 x 5.5 5.5 * MAST 55.6 57.6 N/ Foot /	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment 21.25" battery compartment	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table (S) OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5 A (A) (auto ly (electric rele	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type	Empty/RL Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment 21.25" battery compartment Service/parking (method of operations)	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. ool) ation)	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5 // // // // // // // // // // // // //	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minu	Empty/RL Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment 21.25" battery compartment Service/parking (method of controls Service/parking (method of operation) Service/parking (method of operation)	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 × 2.2 9.4" MAST N/A 58.5 //A // auto ly (electric releure Lead® Lithiu 6.6)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minuthost motor rating (5 minuters)	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of operative operation) Service/parking (method of operation) strong (method of operation)	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. ool) ation)	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table S OPTIONAL N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5 //A // auto ly (electric releure Lead® Lithiu 6.6) 21.8)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 44 45 46 47 48	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minulation motor rating (5 minute rating to minute	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of operative operation) Service/parking (method of operation) strong (method of operation)	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table S OPTIONAL N/A N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5 'A 'A 'auto ly (electric rele ure Lead® Lithiu 6.6) 21.8) sistor	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	
26 28 29 31 31 32 33 34 35 36 37 38 39 41 41 42 45 46 47 47	Stability TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minuthost motor rating (5 minuters)	Empty/RL Empty/RL Empty/RL Empty/RL Empty **** RL**** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of operative operation) Service/parking (method of operation) strong (method of operation)	mph mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	STANDARD 7.5/6.5 † 7.5/6.5 † 5.5" MAST 130 110 95 78 75 N/A N/A 110 110 5 x 5.5" MAST 55.6 57.6	OPTIONAL N/A N/A OPTIONAL 9.4" MAST N/A	See right ang	le stack table S OPTIONAL N/A N/A N/A OPTIONAL 9.4" MAST 150 133 115 100 87 83 N/A 140 140 3.9 / 7.9 x 2.2 9.4" MAST N/A 58.5 'A 'auto ly (electric rele ure Lead® Lithiu 6.6) 21.8) sistor	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 133 115 100 87 83 80 140 140 5 x	OPTIONAL 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 105 100 95 160 # 160 # 3.9 MAST /A 3.5 0.5	

^{*} Short or long wheelbase is for double reach only. LWB for double reach masts 332" and below

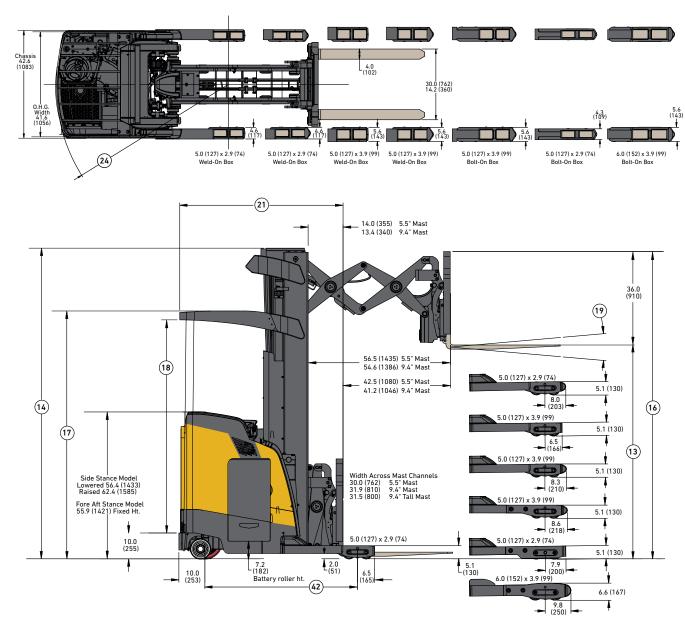
Static with rated load and max. wt. battery
 Includes integral sideshift, subtract 1" for without sideshift

^{****} Lift and lower speeds reduced for UL 'EE'

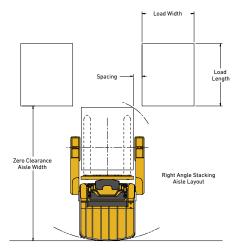
[♦] Optional with Yale Power Key

 $^{^\}dagger$ Travel speed will be reduced to 7.5 / 6.5 mph (empty / rated load) with MFHs above 341" in the forks trailing direction. Travel speed will be reduced to 7.0 / 6.0 mph (empty / rated load) with MFHs above 341" in the forks leading direction. Rated load (RL) travel speeds start at 1,500 lbs. and greater.

 $^{^{\}dag \dag}$ High speed lowering and high speed lift are separate options SWB = short wheel base; LWB = long wheel base



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



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

Right angle aisle stacking

NDR0	NDR030EC - 5.5" MAST										
14.25" E	14.25" Battery compartment and 42" ID										
3 Stage	3 Stage - 6" between loads										
	Pallet width (inches)										
		36	40	44	48						
Pallet	36	87	86	86	86						
length (inches)	40	91	90	90	89						
(11101103)	44	96	95	95	94						
	48	100	100	99	99						

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

NDR0	30-035	EC - 9.4	" MAST									
16.25" E	Battery cor	mpartmen	t and 42"	ID								
3 Stage	3 Stage - 6" between loads											
Pallet width (inches)												
		36	40	44	48							
Pallet	36	92	91	91	90							
length (inches)	40	96	96	95	95							
(11101103)	44	101	100	100	99							
	48	105	105	104	104							

Sideshift is standard on double reach Add 2" for 18.25" battery compartment (NDR035EC only) Add 5" for 21.25" battery compartment (NDR035EC only)

GENE	RAL SPECIFICATIONS NO	R030-035FC								
		11000 00020				L			V. I.	
1	Manufacturer name					ale			Yale	
2	Model			LWD)30EC	CIMID		R035EC	
3 /	Wheel base designation *		11. (1)	LWB	SWB	LWB	SWB	LWB	SWB	
4 5 6	Rated capacity	D'alama	lb. (kg)		3000	(1361)	27.7		0 (1588)	
5	Load center	Distance	in. (mm)				24 (6	· ·		
	Power type	Electric, diesel, LPG					Electric			
7	Operator type	I		Stand						
8	Tire type	Load/caster/drive					Poly/Po	· · · · · · · · · · · · · · · · · · ·		
9	Wheels, number load/drive (x=						4 / 2		/100	
<u> </u>	Truck weight, without battery (lb.			50			5190	
1.2	Axle loading with assembly ret		lb.		6409.	/4589		757	8/4458	
13		Standard lift (TOF)	in. (mm)	-						
14		Standard mast lowered (OALH)	in. (mm)	-						
15	Height	Freelift (TOF)	in. (mm)	-			See ma	st table		
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 /			
ر 20	Forks, standard (length x width		in.		1.60 x 3	3.9 x 42			(3.9 x 42	
21	Headlength to face of forks	All battery compartments ***	in. (mm)				See ma			
21 22 23	Outrigger ID		in.				4"- 49" (1"	increments)		
Ä.		14.25" - (LxWxH)	in.			.25 x 31.5			N/A	
23	Battery compartment size	16.25" - (LxWxH)	in.		39.0 x 16	.25 x 31.5		39.0 x 1	6.25 x 31.5	
20	Buttery comparament size	18.25" - (LxWxH)	in.	N/A					8.25 x 31.5	
		21.25" - (LxWxH)	in.		N.	/A			1.25 x 31.5	
				5.5" N	IAST	9.4" N			' MAST	
		14.25" battery compartment	in.	70.6	N/A	N/A	N/A		N/A	
24	Turning radius - min. outside	16.25" battery compartment	in.	72.6	N/A	72.6	68.5	72.6	68.5	
	Tarring radice Timin eaterac	18.25" battery compartment	in.			/A		74.6	70.5	
		21.25" battery compartment	in.		N	/A		77.6	73.5	
25	Aisle width - zero clearance	Right angle stack				Se	le stack table			
				YE						
26	Stability	Comply with ANSI						_	1	
26	TRAVEL SPEED			STANI		OPTIO	DNAL	STANDARD	OPTIONAL	
26 28	TRAVEL SPEED Rearward (chassis first)	Empty/RL	mph	7.5/	6.5 [†]	N/	ONAL 'A	STANDARD 7.5/6.5 [†]	8.0/6.5 [†]	
26	TRAVEL SPEED		mph mph	7.5/d 7.5/d	6.5 [†] 6.5 [†]	N/	ONAL 'A	7.5/6.5 † 7.5/6.5 †	8.0/6.5 [†] 8.0/6.5 [†]	
26 28 29	TRAVEL SPEED Rearward (chassis first)	Empty/RL	<u> </u>	7.5/6 7.5/6 STANI	6.5 † 6.5 † DARD	N/ N/ OPTIC	ONAL 'A ONAL	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD	8.0/6.5 [†] 8.0/6.5 [†] OPTIONAL	
26 28 29	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED ****	Empty/RL	mph	7.5/6 7.5/6 STANI 5.5" N	6.5 † 6.5 † DARD MAST	N/ N/ OPTIC 9.4" N	ONAL /A /A ONAL MAST	\$TANDARD 7.5/6.5 † 7.5/6.5 † \$TANDARD 9.4" MAST	8.0/6.5 [†] 8.0/6.5 [†] OPTIONAL 9.4" MAST	
26 28 29	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty	Empty/RL	mph ft/min	7.5/6 7.5/6 STANI 5.5" N	6.5 † 6.5 † DARD MAST	N/ N/ OPTIC 9.4" N	ONAL (A ONAL MAST	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150	8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175	
26 28 29	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb.	Empty/RL	mph ft/min ft/min	7.5/6 7.5/6 STANI 5.5" N 13	6.5† 6.5† DARD MAST 60	N/ N/ OPTIC 9.4" N 15	ONAL ONAL MAST 50	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135	8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150	
26 28 29	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb.	Empty/RL	mph ft/min ft/min ft/min	7.5/6 7.5/6 STANI 5.5" N 13	6.5 † 6.5 † DARD MAST 60 0	N/ N/ OPTIC 9.4" N 15 13	DNAL A DNAL MAST 50 55	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130	
26 28 29 31 31a 32 33	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb.	Empty/RL	ft/min ft/min ft/min ft/min	7.5/c 7.5/c STANI 5.5" N 13 11	6.5 † 6.5 † DARD MAST 60 0 5	N/ N/ OPTIC 9.4" N 15 13	DNAL AA DNAL MAST 50 83 5 100	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115	
26 28 29 31 31a 32 33 34	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb.	Empty/RL	ft/min ft/min ft/min ft/min ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 99	6.5 † 6.5 † DARD MAST 60 0 5 8	N/ N/ OPTIC 9.4" M 15 13 11	DNAL A DNAL MAST 50 83 50 00 A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95	
26 28 29 31 31a 31a 32 33 34 35	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb.	Empty/RL	ft/min ft/min ft/min ft/min ft/min ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 99 76 N/	6.5 † 6.5 † DARD MAST 60 0 5 8 KA	N/ N/ OPTIC 9.4" N 15 13 11 10 N/	DNAL A A DNAL MAST 50 50 100 1/A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95 N/A	
26 28 29 31 31a 32 33 34 35 36	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb.	Empty/RL Empty/RL	ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 9! 76 N/	6.5 † 6.5 † DARD MAST 60 0 5 8 6 A A	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/	DNAL A A DNAL MAST 50 50 100 1/A 1/A 1/A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A	
28 29 31 31a 32 33 34 35 36 37	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb.	Empty/RL Empty/RL Empty/RL	ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 9! 7% N/ N/ N/	5.5 † 5.5 † DARD MAST 60 0 5 8 A A A O	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/	DNAL AA DNAL MAST 50 53 5 00 AA AA AA AA AA AA AA AA	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds	Empty/RL Empty/RL Empty **** RL ****	ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 9! 76 N/	6.5 † 6.5 † DARD MAST 00 0 5 8 8 A A A 0 0	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/ N/	DNAL AA DNAL MAST 50 53 5 00 AA AA AA AA AA AA AA AA	\$TANDARD 7.5/6.5 † 7.5/6.5 † \$TANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A 160 †† 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty **** RL **** ard	ft/min	7.5/c 7.5/c 7.5/c STANI 5.5" N 13 11 9! 7% N/ N/ N/	6.5 † 6.5 † DARD MAST 00 0 5 8 8 A A A 0 0	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/	DNAL A A DNAL MAST 60 83 5 100 64 64 60 60	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140	8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds	Empty/RL Empty/RL Empty **** RL **** ard	ft/min	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 78 N/ N/ 11 11	6.5 † 6.5 † 6.5 † DARD MAST 60 0 5 5 8 A A 0 0 5 x	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/ N/ 14 2.9	DNAL (A DNAL (AST 60 83 5 500 64 64 64 60 60 60 60 60 60 60 60 60 60 60 60 60	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † OPTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A N/A 160 †† 160 †† x 2.9	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty **** RL **** ard casters	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7% N/ N/ 11 11	6.5 † 6.5 † 6.5 † DARD MAST 00 0 5 5 8 8 A A 0 0 5 ×	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/ N/ 14 2.9	DNAL A A DNAL MAST 60 83 5 00 64 A A A A A A A A A A A A A A A A A A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† x 2.9	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment	ft/min	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A 0 0 5 x MAST N/A	N/ N/ OPTIC 9.4" N 15 13 11 10 N/ N/ N/ 14 2.9	ONAL (A A ONAL MAST (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† 160 ††	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment	ft/min	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7% N/ N/ 11 11	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	DNAL A A DNAL MAST 60 83 5 00 64 A A A A A A A A A A A A A A A A A A	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2 9.4	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 # 160 # 160 #	
26 28 29 31 31a 32 33 34 35 36 37 38	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 18.25" battery compartment	ft/min	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	ONAL (A A ONAL MAST (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2 9.4	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† 160 †† × 2.9	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment	mph ft/min in. in.	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	DNAL (A (A (A (DNAL (MAST (B)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5 / 7.9 x 2.2 9.4 62.6 64.6 67.6	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† 160 †† × 2.9	
28 29 31 31a 32 33 34 35 36 37 38 39 41	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,500 lb. 4,000 lb. 4,500 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of control	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N/N/N/N/N/N/15 9.4" N 15 13 11 10 N/N/N/N/ 14 2.9 9.4" N N/A 62.6 /A	DNAL (A (A (A (DNAL (MAST (B)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 140 5 / 7.9 x 2.2 9.4 62.6 64.6 67.6 Auto	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† 160 †† × 2.9	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in.	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A (A (A (DNAL (MAST (O) (B	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 'Auto ly (electric release)	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	
28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44 45	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of control Service/parking (method of operations)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. in.	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A A DNAL (MAST)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 'Auto ly (electric release) ure Lead [®] Lithium-ion	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	
28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44 45	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 3,500 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minu	Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment Service/parking (method of control Service/parking (method of operator) te rating)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A A DNAL (MAST)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 Auto ly (electric release) ure Lead [®] Lithium-ion 6.6)	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	
28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 43 44 45	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minuthoist motor rating (5 minute rating)	Empty/RL Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment 21.25" battery compartment Service/parking (method of control Service/parking (method of operate rating)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. in.	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A (A (A (DNAL (MAST (B)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 4 Auto ly (electric release) ure Lead® Lithium-ion 6.6) 21.8)	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	
26 28 29 31 31a 31a 32 33 34 35 36 37 38 39 41 42 44 45 46 47 48	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minuthoist motor rating (5 minuters Traction motor control method	Empty/RL Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment 21.25" battery compartment Service/parking (method of control Service/parking (method of operate rating)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A (A (A (DNAL (MAST (B	STANDARD 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 Auto ly (electric release) ure Lead [®] Lithium-ion (6.6) 21.8) sistor	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	
26 28 29 31 31a 32 33 34 35 36 37 38 39 41 42 42 42 44 45 46 47	TRAVEL SPEED Rearward (chassis first) Forward (forks first) LIFT SPEED **** Empty 1,000 lb. 2,000 lb. 3,000 lb. 4,000 lb. 4,000 lb. Lowering speeds Size - front load wheels, stand Size, standard - drive tire/dual Wheelbase Brakes Battery type Traction motor rating (60 minuthoist motor rating (5 minute rating)	Empty/RL Empty/RL Empty/RL Empty **** RL **** ard casters 14.25" battery compartment 16.25" battery compartment 21.25" battery compartment 21.25" battery compartment Service/parking (method of control Service/parking (method of operate rating)	mph ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min ft/min in. in. in. in. hp (kw)	7.5/6 7.5/6 7.5/6 STANI 5.5" N 13 11 9! 7/1 N/ N/ 11 11 5.5" N 60.6	6.5 † 6.5 † 6.5 † DARD MAST 100 0 5 8 8 A A A 0 0 5 x MAST N/A N/A N	N// N// N// OPTIC 9.4" N 15 13 11 10 N// N// N// N// 144 2.9 9.4" N N/A 62.6 /A /A Regen /	DNAL (A (A (A (DNAL (MAST (B)	STANDARD 7.5/6.5 † 7.5/6.5 † 7.5/6.5 † STANDARD 9.4" MAST 150 135 120 103 95 N/A N/A 140 140 140 5/7.9 x 2.2 9.4 62.6 64.6 67.6 Auto by (electric release) cure Lead® Lithium-ion (6.6) (21.8) sistor	8.0/6.5 † 8.0/6.5 † 8.0/6.5 † 0PTIONAL 9.4" MAST 175 150 130 1115 95 N/A N/A 160 †† 160 †† × 2.9 * MAST N/A 58.5 60.5 63.5	

^{*} Short or long wheelbase is for double reach only. LWB for double reach masts 332" and below

Static with rated load and max. wt. battery

^{***} Includes integral sideshift, subtract 1" for without sideshift

Lift and lower speeds reduced for UL 'EE'

Optional with Yale Power Key

 $^{^\}dagger$ Travel speed will be reduced to 7.5 / 6.5 mph (empty / rated load) with MFHs above 341" in the forks trailing direction. Travel speed will be reduced to 7.0 / 6.0 mph (empty / rated load) with MFHs above 341" in the forks leading direction. Rated load (RL) travel speeds start at 1,500 lbs. and greater.

 $^{^{\}dag \dag}$ High speed lowering and high speed lift are separate options SWB = short wheel base; LWB = long wheel base

NR035-040	NR035-040EC & NDR030EC MAST DIMENSIONS (5.5" STANDARD)												
Overall	Max. fork	Free-lift	Overall height (mast extended)	Overhead guard height	Operator		Head length (leng	th to face of forks)					
lowered ht.	height (TOF)	(TOF)	highest point w/36" LBR	to top	clearance	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) VISTA™ 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				
125 (3175)	287 (7290)	86 (2184)	325 (8255)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88				
131 (3327)	302 (7671)	92 (2337)	340 (8636)	95 (2416)	82.3 (2090)	52.16	57.83	54.21	59.88				

NR040-0	45EC & NDR	030-035EC	MAST DIMENSION	DNS (9.4" PF	REMIUM)							
Overall	Max. fork	Free-lift	Overall height (mast extended)	Teau length tierace of for				rks)				
lowered ht.	height (TOF)	(TOF)	highest point w/36" LBR	height to top	clearance	16.25"		18.	25"	21	.25"	
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	Single reach Double reach		Single reach	Double reach	Single reach	Double reach	
3-STAGE FULL FREE-LIFT (FFL) VISTA™ MAST												
95 (2413)	210 (5334)	59 (1509)	246 (6248)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
107 (2718)	241 (6121)	71 (1814)	277 (7036)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
110 (2794)	250 (6350)	74 (1890)	286 (7264)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
119 (3023)	272 (6909)	83 (2118)	308 (7823)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
125 (3175)	287 (7290)	89 (2271)	323 (8204)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
131 (3327)	302 (7671)	95 (2423)	338 (8585)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
140 (3556)	321 (8153)	104 (2652)	357 (9068)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
143 (3632)	332 (8433)	107 (2728)	368 (9347)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	
149 (3785)	341 (8661)	113 (2880)	377 (9576)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91	

NR040-0	NR040-045EC & NDR030-035EC MAST DIMENSIONS (9.4" XL PREMIUM)*												
Overall	Max. fork	Free-lift	Overall height Overhead (mast extended) guard Operator Head length (length to face of forks)										
lowered ht.	height (TOF)	(TOF)	highest point w/36" LBR	height to top	clearance	16.	.25"	18.	25"	21.25"			
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	Single reach	Double reach	Single reach	Double reach	Single reach	Double reach		
				3-STAGE FULI	FREE-LIFT (FFL) VISTA™	MAST						
157 (3988)	368 (9347)	121 (3084)	404 (10262)	95 (2416)	82.3 (2090)	57.20	62.91	59.17	64.92	62.12	67.91		
170 (4318)	401 (10185)	134 (3414)	95 (2416)	82.3 (2090)			59.17	64.92	62.12	67.91			
179 (4547)	547) 422 (10719) 143 (3642) 458 (11633) 95 (82.3 (2090)	N/A		59.17	64.92	62.12	67.91		
188 (4775) 444 (11278) 152 (3871) 480 (12192) 9					82.3 (2090)			59.17	64.92	62.12	67.91		

^{*}NR040EC and NDR030EC only available in 16.25" battery compartment NR045EC and NDR035EC available in 16.25", 18.25" and 21.25" battery compartments.

BATTER	BATTERY AND COMPARTMENT SPECIFICATIONS																					
	Battery specifications																					
Battery	tage	23	40EC	DEC	EC	5EC	Maxi	mum	Ва	ittery co	omparti	ment di	imensio	ns		Ва	ttery d	imensio	ns		Minimum	Maximum
compt.	. volt	NR035E(NR040	NDR030EC	NR045	303	6 Hr	Rate	"X" i	max.	"Y" ı	max.	"Z" ı	max.	"X"	max.	"Y" ı	max.	"Z"	max.	batt. wt.	batt. wt.
size	Batt	벌	岁	문	벌	亨	AH	KWH	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lb. (kg)	lb. (kg)
14.25"	36	Х	Х	Х	N/A	N/A	775	27.2	39	990	14.25	362	31.5	800	38.8	985	14	356	31	788	1600 (726)	2100 (953)
16.25"	36	Х	Х	Х	Х	Х	930	32.6	39	990	16.25	413	31.5	800	38.8	985	16	406	31	788	1850 (839)	2350 (1066)
18.25"	36	N/A	N/A	N/A	Х	Х	1085	38.1	39	990	18.25	464	31.5	800	38.8	985	18	457	31	788	2200 (998)	2800 (1270)
21.25"	36	N/A	N/A	N/A	X	X	1240	43.5	39	990	21.25	540	31.5	800	38.8	985	21	533	31	788	2500 (1134)	3100 (1406)

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.

PERFORMANCE	STD	0P1
		UP
36-Volt battery (includes 350 amp gray 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 and acceleration, lift and lower	•	
speeds		
Load transport position		•
Fork camera (requires 9.4" mast)		•
Laser level line		•
High speed lift (NR040EC, NDR030EC)		•
High speed lift/travel (NR045EC, NDR035EC)		•
High speed lower (requires high speed lift/travel)		•
Shelf height selector		•
Return to set tilt		•
Return to center sideshifting		•
Load weight display Fork height display		-
Speed sensitive steering		•
DRIVE	STD	0P1
5" x 3.9" poly articulating tandem load wheels -	310	OP I
high load compound (std on NR035-045EC)	•	
5" x 2.9" poly articulating tandem load wheels -		
high load compound (std on NDR030-035EC)		
Dual articulating polyurethane caster wheels	•	
XL-AC [™] drive tire – 13.5" x 5.5"	•	
Steered caster		•
Various sizes of load wheels		•
Various drive tire compounds Tapered load wheel boxes		-
Bolt-on load wheel boxes		
LIFT	STD	0P1
91"/203"/52"-(5.5") 3-Stage FFL mast (NR035-040EC, NDR030EC)	010	
95"/210"/59" – (9.4") 3-Stage FFL mast (NR045EC, NDR035EC)		
Tilting carriage (3° fwd, 4° back)	•	
Single reach mast with 33.5" wide class II with integal		
sideshift (hook type carriage) (std on NR035-045EC)	•	
Double reach mast with 33.5" wide class II with integral	•	
sideshift (hook type carriage) (std on NDR030-035EC) 36" High load backrest extension		
Lift limit	_	•
48" High load backrest extension		
Single reach mast without integral sideshift		_
for standard 33.5" wide carriage		•
(9.4") 3-Stage full free lift mast (NR040EC, NDR030EC)		•
Various mast heights for 5.5" and 9.4" masts		•
various mast neights for 5.5 and 4.4 masts	STD	0P1
HANDLING		
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) –	•	
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC)	•	
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC) Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) –	•	
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC)		
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HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC) Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) – class II, hook type (std on NDR030-035EC and NR035EC) Fully proportional lift/lower control Control handle with simultaneous hydraulic functions	•	•
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC) Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) – class II, hook type (std on NDR030-035EC and NR035EC) Fully proportional lift/lower control Control handle with simultaneous hydraulic functions Slack chain detection	•	•
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC) Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) – class II, hook type (std on NDR030-035EC and NR035EC) Fully proportional lift/lower control Control handle with simultaneous hydraulic functions Slack chain detection Reduced travel speed with carriage extended	•	0P1
HANDLING Forks: 1.8" x 3.9" (45 mm x 100 mm) 42"(1067 mm) – class II, hook type (std on NR040-045EC) Forks: 1.6" x 3.9" (40 mm x 100 mm) 42" (1067 mm) – class II, hook type (std on NDR030-035EC and NR035EC) Fully proportional lift/lower control Control handle with simultaneous hydraulic functions Slack chain detection Reduced travel speed with carriage extended Various fork lengths	•	•

ERGONOMICS CONTINUED	STD	OPT
Adjustable armrest and backrest	0.5	0
(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		•
SubZero freezer construction (operating temperatures -40°F to		
120°F) with rubber floormat		
SubZero freezer with heated floor and control handle (operating		•
temperatures -40°F to 120°F) with anti-slip floorplate covering UL classification EE		
Outrigger 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 mech on ten everhead quard		•
Wire mesh on top overhead guard		•
Rear operator compartment door (SPED)		•
Yale Vision Yale Reliant™		•
	CTD	ODT
ENERGY SYSTEM	STD	OPT
Lead acid	•	
Yale Power Key	CED	OPT
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.

^{**} For 5.5" Mast Sideshift includes 7" travel (3.5" each side). Sideshift travel will be reduced to 3" total (1.5" each side) when Outrigger ID is less than 39" For 9.4" Mast Sideshift includes 8" travel (4" each side). Sideshift travel will be reduced to 4" total (2" each side) when Outrigger 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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yale.com



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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.