

7530 and 7730 Single-Reach® Truck



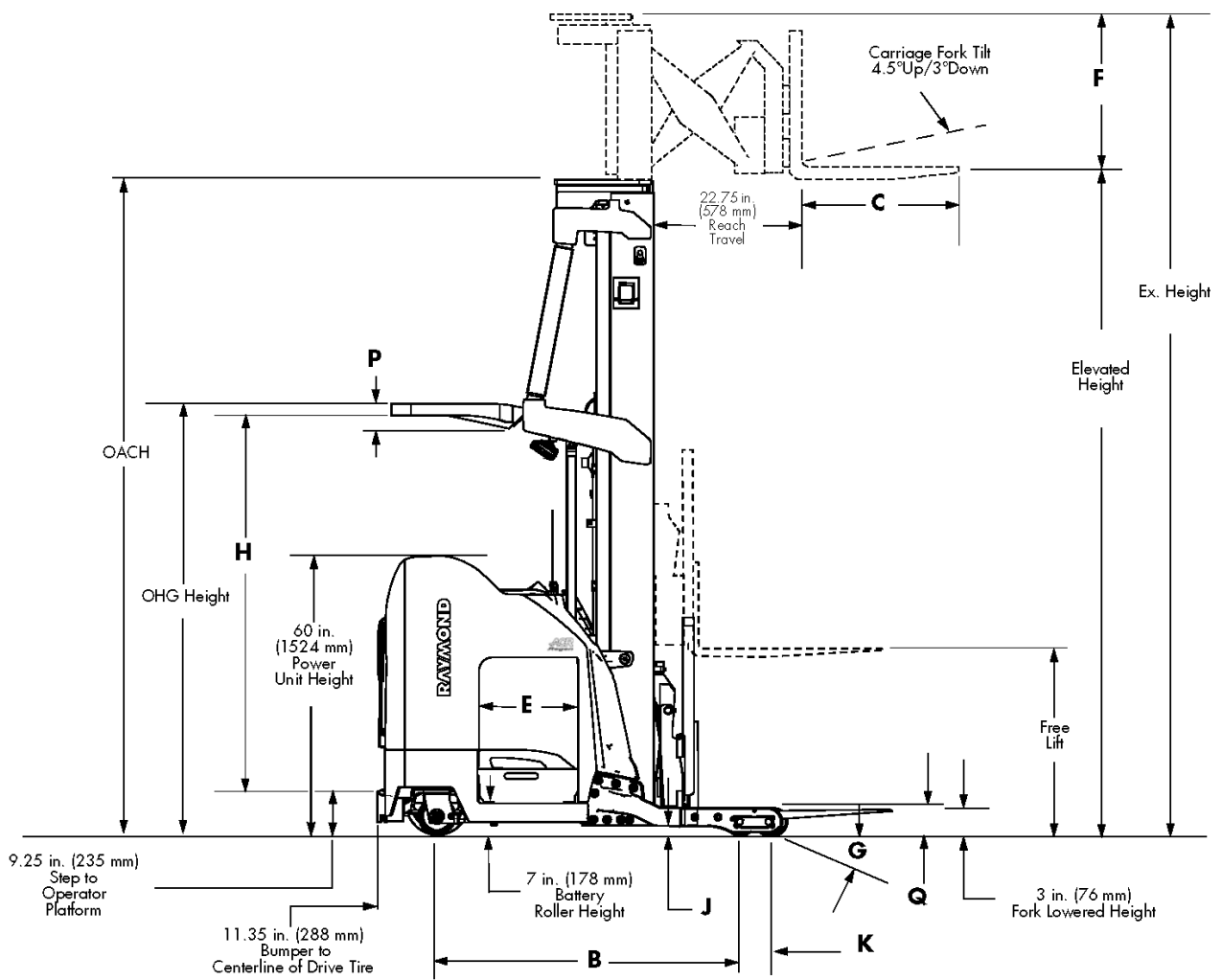
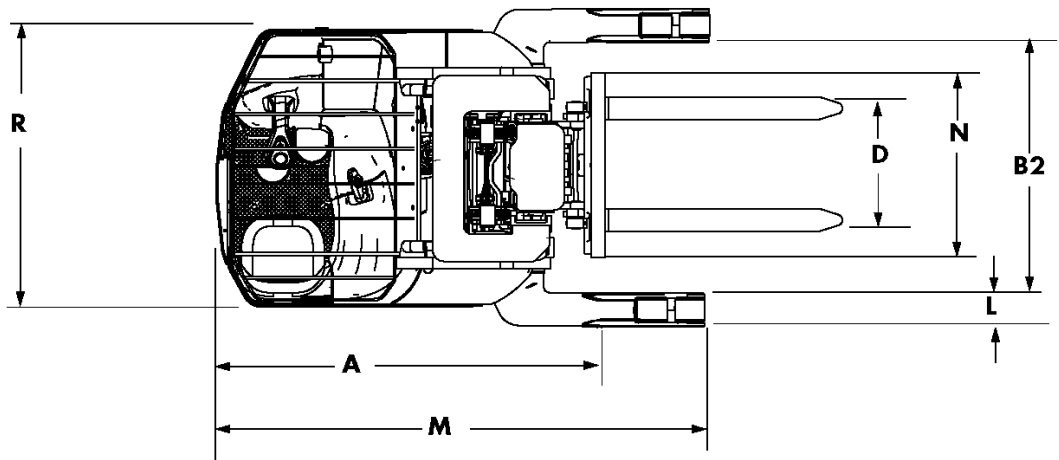
7000-series
7530-R45TT
7730-R45TT

Dimensions and General Information

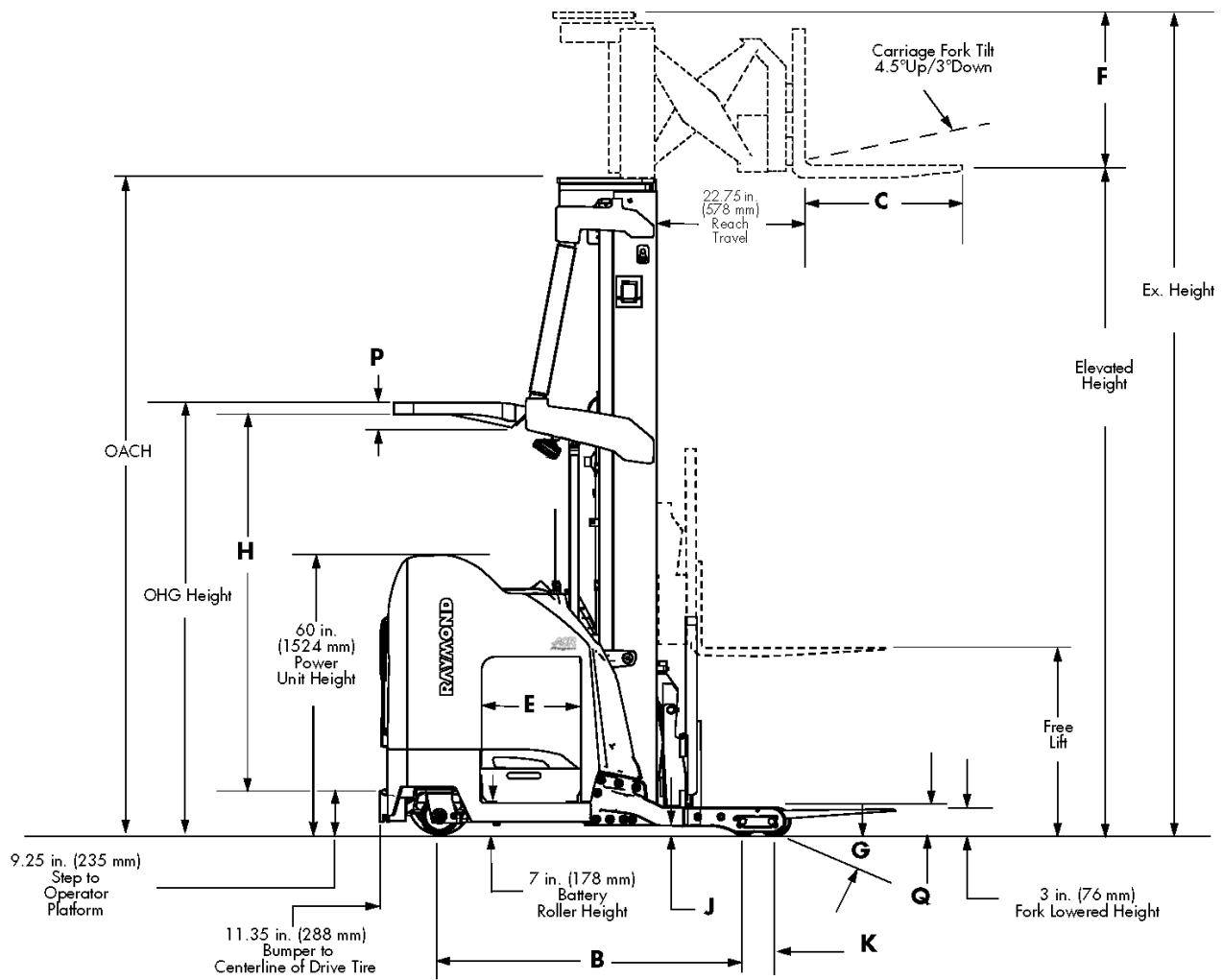
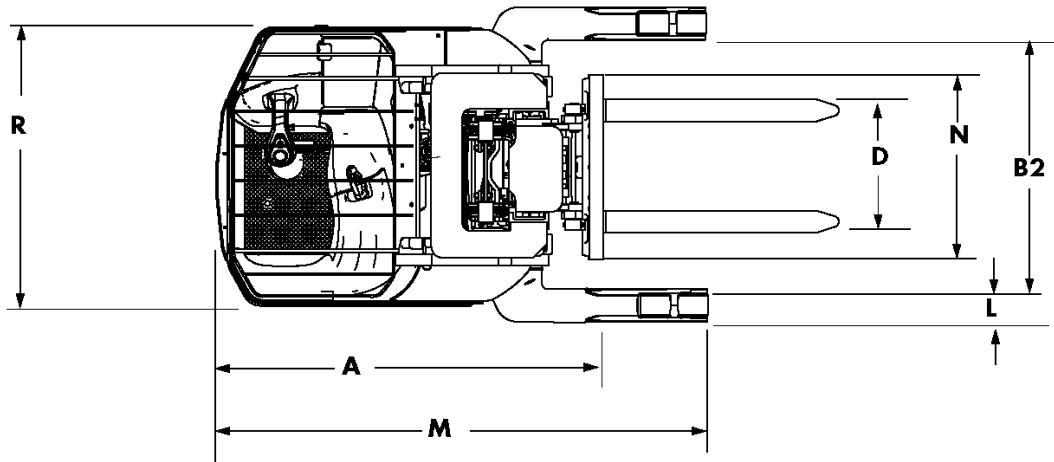
Specifications			7530-R45TT w/ Sideshift (El. Ht. to 542 in. (13767 mm)) [3][4]	7730-R45TT w/ Sideshift (El. Ht. to 542 in. (13767 mm)) [3][4]
A	Truck Head Length w/ Sideshift	In.(mm)	65.2 (1656) [3][5]	67.2 (1707) [3][4]
B	Truck Wheelbase	In.(mm)	64.9 (1648) [4][5]	66.9 (1699) [4][5]
B2	Baseleg Opening (BLO)	In.(mm)	[2]	[2]
C	Forks, ITA Type (Std.)(L x W x T)	In.(mm)	42 x 4 x 1.75 (1067 x 102 x 44)	42 x 4 x 1.75 (1067 x 102 x 44)
C	Forks, Lengths (Opt.)	In.(mm)	30, 36, 48 (762, 914, 1219)	30, 36, 48 (762, 914, 1219)
D	Fork Adjustment	In.(mm)	15 – 30 (381 – 762)	15 – 30 (381 – 762)
E	Battery Compartment Width Steel-to-Steel	In.(mm)	21.2 (538) [2][3]	21.3 (541) [3]
	Maximum Usable Battery Compartment Size	In.(mm)	21.0 (533) [2][3]	21.0 (533) [3]
F	Carriage Height (with Load Backrest)	In.(mm)	36 (914)	36 (914)
G	Grade Clearance	%	13	10
H	Operator Compartment Height	In.(mm)	OHG height – 11.25 (286)	OHG height – 11.25 (286)
J	Truck Underclearance	In.(mm)	2 (51)	2 (51)
K	CL to CL Load Wheel	In.(mm)	6.25 (159)	6.25 (159)
L	Baseleg Width	In.(mm)	6.0 (152)	6.0 (152)
M	Truck Length	In.(mm)	85.5 (2172) [3][5]	89.5 (2273) [3][4]
N	Truck Mast OAW [1]	In.(mm)	32 (813)	32 (813)
P	Overhead Guard Thickness	In.(mm)	13.18 (335)	13.18 (335)
Q	Baseleg Height	In.(mm)	6 (152)	6 (152)
R	Power Unit Width	In.(mm)	49.5 (1257)	49.5 (1257)

Model		7530-R45TT w/ Sideshift (El. Ht. to 542 in. (13767 mm)) [3]	7730-R45TT w/ Sideshift (El. Ht. to 542 in. (13767 mm)) [3][4]
Power Unit		36 Volt, Single Drive	36 Volt, Single Drive
Max. Cap. @ 24 in. (600 mm) Load Center	lb.(kg)	4,500 (2041)	4,500 (2041)
Operator Compartment	In.(mm)	Universal or Dockstance	Sit/Stand-up
Drive Tire, Soft Poly (Quantity of 1) Dia. x W	In.(mm)	13.5 x 6 (343 x 152)	13.5 x 6 (343 x 152)
Steered Idler Tire, Hard Poly (Qty of 1) Dia. x W	In.(mm)	8 x 4 (203 x 102)	8 x 4 (203 x 102)
Load Wheels, Hard Poly (Quantity of 4) Dia. x W	In.(mm)	6 x 4 (152 x 102)	6 x 4 (152 x 102)
Gradability	%	5	5
Turning Radius	In.(mm)	82.6 (2098) [4][3]	86.5 (2197) [3][4]
Mast Type		3-stage	3-stage
Maximum Elevated Mast Height	In.(mm)	542 (13767)	542 (13767)

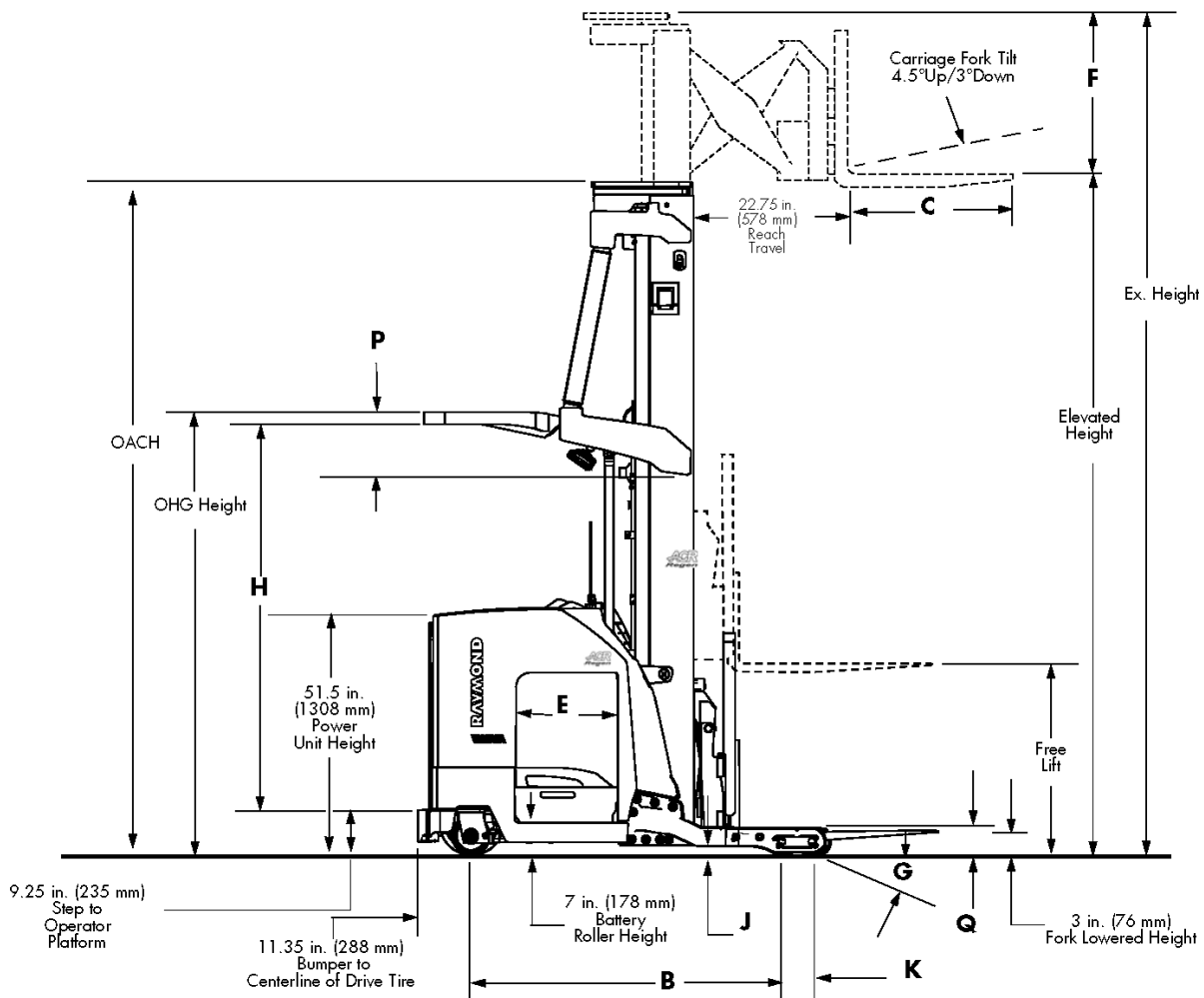
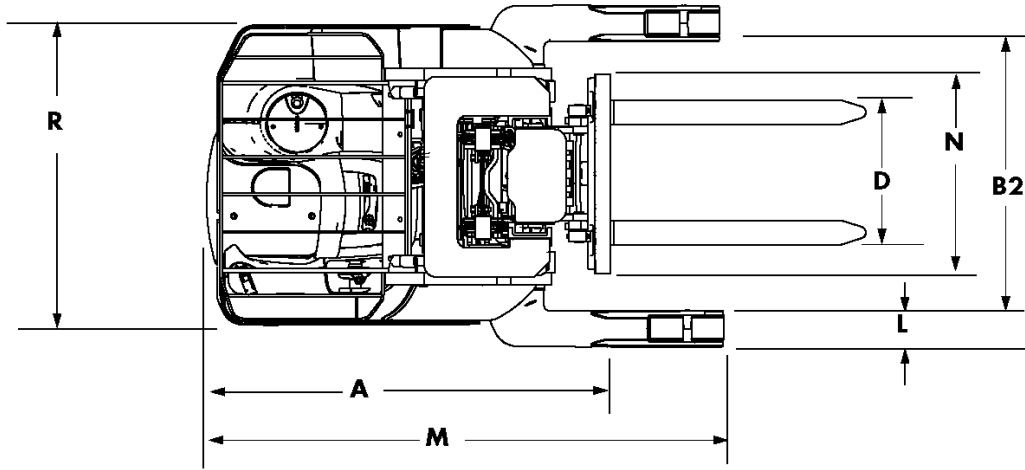
- NOTES:**
- [1] Add 3.0 in. (76 mm) at OHG side plates.
 - [2] Available baseleg openings (BLO) are 41 and 45 inches.
 - [3] Add 2.5 in. (63 mm) for 23.5 in. (597 mm) maximum usable battery compartment size.
 - [4] For lift heights greater than 444 in. (11277 mm), requires 23.5 in. (597 mm) maximum usable battery compartment size.
 - [5] Add 2 in. (51 mm) for Dockstance (option code 500).



7530-R45TT (Dockstance)



7730-R45TT (Universal Stance)



Mast Specifications	OACH [1]	Elevated Height [2][4]	Extended Height [2]	Full Free Lift [2]	OHG Height [3]	Truck Weight without Battery [5]
Model	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
7530-R45TT (AC Lift, Electronic Power Steering) (21.0 in. (533 mm) Maximum Usable Battery Compartment Size)	169 (4293)	399 (10135)	435 (11049)	126 (3200)	93.4 (2372)	8,845 (4012)
	177 (4496)	423 (10744)	459 (11659)	134 (3404)	93.4 (2372)	9,131 (4142)
	184 (4674)	444 (11278)	480 (12192)	141 (3581)	93.4 (2372)	9,381 (4255)
7530-R45TT (AC Lift, Electronic Power Steering) (23.5 (597 mm) Maximum Usable Battery Compartment Size)	169 (4293)	399 (10135)	435 (11049)	126 (3200)	93.4 (2372)	8,845 (4012)
	177 (4496)	423 (10744)	459 (11659)	134 (3404)	93.4 (2372)	9,131 (4142)
	184 (4674)	444 (11278)	480 (12192)	141 (3581)	93.4 (2372)	9,381 (4255)
	196 (4978)	460 (11684)	496 (12598)	153 (3886)	93.4 (2372)	9,571 (4341)
	202 (5131)	475 (12065)	511 (12979)	159 (4039)	93.4 (2372)	9,750 (4423)
	209 (5309)	490 (12446)	526 (13360)	166 (4216)	93.4 (2372)	9,929 (4504)
	214 (5436)	505 (12827)	541 (13741)	171 (4343)	93.4 (2372)	10,104 (4583)
	223 (5664)	521 (13233)	557 (14148)	180 (4572)	93.4 (2372)	10,294 (4669)
	227 (5766)	533 (13538)	569 (14453)	184 (4674)	93.4 (2372)	10,437 (4734)
230 (5842)	542 (13767)	578 (14681)	187 (4750)	93.4 (2372)	10,544 (4783)	
7730-R45TT (AC Lift, Electronic Power Steering) (21.0 in. (533 mm) Maximum Usable Battery Compartment Size)	169 (4293)	399 (10135)	435 (11049)	126 (3200)	93.4 (2372)	8,779 (3982)
	177 (4496)	423 (10744)	459 (11659)	134 (3404)	93.4 (2372)	9,065 (4112)
	184 (4674)	444 (11278)	480 (12192)	141 (3581)	93.4 (2372)	9,315 (4225)
7730-R45TT (AC Lift, Electronic Power Steering) (23.5 (597 mm) Maximum Usable Battery Compartment Size)	169 (4293)	399 (10135)	435 (11049)	126 (3200)	93.4 (2372)	8,779 (3982)
	177 (4496)	423 (10744)	459 (11659)	134 (3404)	93.4 (2372)	9,065 (4112)
	184 (4674)	444 (11278)	480 (12192)	141 (3581)	93.4 (2372)	9,315 (4225)
	196 (4978)	460 (11684)	496 (12598)	153 (3886)	93.4 (2372)	9,505 (4311)
	202 (5131)	475 (12065)	511 (12979)	159 (4039)	93.4 (2372)	9,684 (4393)
	209 (5309)	490 (12446)	526 (13360)	166 (4216)	93.4 (2372)	9,863 (4474)
	214 (5436)	505 (12827)	541 (13741)	171 (4343)	93.4 (2372)	10,038 (4553)
	223 (5664)	521 (13233)	557 (14148)	180 (4572)	93.4 (2372)	10,228 (4639)
	227 (5766)	533 (13538)	569 (14453)	184 (4674)	93.4 (2372)	10,371 (4704)
230 (5842)	542 (13767)	578 (14681)	187 (4750)	93.4 (2372)	10,478 (4753)	

NOTES:

- [1] Tolerance = +/- 0.75 in. (+/- 19 mm)
- [2] Tolerance = +2.5/- 0.5 in. (+64/-13 mm)
- [3] Tolerance = +/- 1 in. (+/- 25.4 mm)
- [4] Recommended lift-off height is 10 in. (254 mm) higher than top beam height.
- [5] Shipping weight is 10% greater for crated trucks.

IMPORTANT INFORMATION

Full free lifts shown are for basic reach carriage with power tilt and side-shift. Decrease values when non-standard load backrest is used.

Performance Specifications		7530-R45TT (El. Ht. to 542 in. (13767 mm))		7730-R45TT (El. Ht. to 542 in. (13767 mm))	
Maximum Usable Battery Compartment Size [4]	in.(mm)	21.0 or 23.5 (533 or 597)		21.0 or 23.5 (533 or 597)	
Main Controls					
Lift Speed Unloaded [1]	fpm (m/s)	168 (0.85)		168 (0.84)	
Lift Speed	fpm (m/s)	90 (0.46)		90 (0.46)	
Lift Speed w/3,500 lb. Load [1]	fpm (m/s)	95 (0.48)		95 (0.48)	
Lift Speed w/3,000 lb. Load [1]	fpm (m/s)	105 (0.53)		105 (0.53)	
Lift Speed w/2,000 lb. Load [1]	fpm (m/s)	125 (0.63)		125 (0.63)	
Lift Speed w/1,000 lb. Load [1]	fpm (m/s)	140 (0.71)		140 (0.71)	
		Unloaded	Loaded	Unloaded	Loaded
Lower Speed [1][5]	fpm (m/s)	230 (1.17)	230 (1.17)	210 (1.07)	210 (1.07)
Travel Speed [1][3]	mph (km/h)	8.0 (12.9)	7.0 (11.2) [2][3]	8.0 (12.9)	7.0 (11.2) [2][3]
Travel Current	amp	140	190	140	190
Auxiliary Controls					
Reach Time	sec	2.4	2.4	2.4	2.4
Tilt Time	sec	2.7	2.7	2.7	2.7
NOTES: [1] Maximum speed attainable, after break-in period, varies with truck weight, rolling resistance, mast height, options and battery condition. [2] 7.5 mph (12.1 km/h) with up to 1500 lb. (680 kg) and greater load. [3] The travel speeds are in either direction. Maximum shown; may be lower based on vehicle weight. [4] Above 444" (11278 mm) E.H. requires 23.5 (597 mm) battery compartment. [5] Lowering speed in Free Lift is 135 fpm (0.68 m/s).					

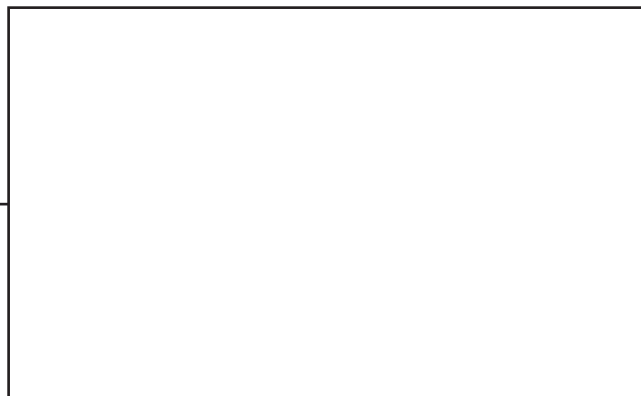
Battery Specifications		7530-R45TT (El. Ht. to 542 in. (13767 mm))		7730-R45TT (El. Ht. to 542 in. (13767 mm))	
Ampere-hours, Max.		1395		1395	
Battery Connector Type (Right Side)		SB-350		SB-350	
Battery Connector Color		Gray		Gray	
Lead Location		B		B	
Lead Length	in. (mm)	15 (381)		15 (381)	
Max. Usable Comp Size (L x W x H) [1]	in.(mm)	38.62 x 21.02 x 31 [2] (981 x 534 x 787)		38.62 x 21.02 x 31 [2] (981 x 534 x 787)	
Optional Battery Comp. Max. Usable Comp. Size (L x W x H) [1]	in. (mm)	38.62 x 23.52 x 31 [2][3] (981 x 597 x 787)		38.62 x 23.52 x 31 [2][3] (981 x 597 x 787)	
Battery Compartment (Steel-to-Steel) (L x W x H) [1]	in. (mm)	38.62 x 21.27 x 31 [2] (981 x 540 x 787)		38.62 x 21.27 x 31 [2] (981 x 540 x 787)	
Optional Battery Compartment (Steel-to-Steel) (L x W x H) [1]	in. (mm)	38.62 x 23.77x 31 [2][3] (981 x 604 x 787)		38.62 x 23.77x 31 [2][3] (981 x 604 x 787)	
Battery Weight, Max. (21.27" Battery Comp.)	lb. (kg)	2,900 (1315)		2,900 (1315)	
Battery Weight, Max. (23.77" Battery Comp.)	lb. (kg)	3,600 (1633)		3,600 (1633)	
Battery Weight, Min. (21.27" Battery Comp.)	lb. (kg)	2,600 (1179)		2,600 (1179)	
Battery Weight, Min. (23.77" Battery Comp.)	lb. (kg)	3,100 (1406)		3,100 (1406)	
NOTES: [1] Use battery spacers as required to maintain maximum of 0.5 in. gap between battery and wall. [2] Height at center to accommodate lifting eye is 31 in. (787 mm), height at corner is 29 in. (737 mm). Battery with cover recommended maximum height is 29 in. (737 mm). [3] For lift heights greater than 444 in. (11278 mm): Requires 23.5 in. (597) maximum usable battery compartment size.					

Standard Equipment

- 36 volt Power Unit
- A-Frame Suspension (patented)
- AC-Traction, Lift, and Auxiliary Systems
- Accelerated Lowering
- Advanced Ergonomic Design
- Auto Position Hold
- Auto Power Off™ Device
- Battery Compartment (21.2 or 23.8 in. Steel-to-Steel)
- Battery Compartment (21.0 or 23.5 in. Max. Usable Size)
- Bolt-on, Ductile Iron Baselegs
- Brake, Electric
- Console Work Surface & Storage Compartment
- Controls Active Maintenance Diagnostics
- Emergency Power Disconnect
- Energy Efficient Operation
- Ergonomic Seat with Adjustable Height and Moves Out of the Way for Standing Position (7730)
- Floor Pad, Soft Cushioned
- Gauge, Battery State-of-Charge w/Lift Interrupt
- High Speed Lift with Regenerative Lowering
- Horn
- Hour Meters: Key Hours, Deadman Activated, Time Spent Lifting, Distance Traveled
- Hydraulic Mast Staging
- Inertial Dampener
- Lift System Relief Valve
- Load Wheels, Floating Articulation, Bolt-on
- Low Step Height
- Maintenance Minder™ Tool
- Mast, Cushioned Stops
- Mast, High Efficiency
- Mast, Large Main Frame Channel
- Mast Lowering Deceleration
- Mast Lowering Flow Control
- Mast, Open View
- Mast Speed Variable Lift/Lower
- Mast Staging, Hydraulically Controlled
- Multi-Function Color Touch Screen Display
- OSHA and ANSI/ITSDF Compliance
- Overhead Guard
- Owner and Operator Manuals
- Parking Brake, Automatic Engaging
- Programmability Performance
- Pivot Bearing, 12.5 in. Diameter/Low Profile
- Polyurethane Drive Tire and Idler
- Power-up and Run Time Diagnostics Real Time with Status/Fault Codes
- Proportional Plugging
- Reach/Retract Cushions
- Regenerative Braking
- Scissor Mechanism with Torsion Tube, Thrust, and Anti-Friction Rollers/Ball Bearings
- See-Through Carriage
- Sideshift, Integral type 2 in., and Power Tilt
- Simultaneous Function Control Handle/Single Axis/Relaxed Grip
- Spacious Compartment with Multiple Lean Points
- Steering, Automatic Centering on Start-up
- Steering, Electric
- Steered Idler
- Steering Column Adjustable (3 position)
- The ACR System™
- Transmission, Heavy Duty
- Universal or Dockstance (7530) or Sit/Stand Compartment (7730)
- UL Type "E" Construction
- User Interface with Selectable Display
- Warranties, Asset Protection
- Weight Sensing

Available Options

- Audible Alarms
- Battery Gate Interlock
- Cold Storage Conditioning
- Heated Seat
- Height Indicators
- Keyless On/Off
- Lights (Floor, Spot, and Work Lights)
- Load Backrest 38" (965 mm), 42" (1067 mm), 48" (1219 mm), (36" [914 mm] Std)
- ThermaKit™ Cold Storage Comfort Package
- Travel Speed Limit Switch
- UL Label, Type "EE" (7530 only)
- Vantage Point™ Camera System



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