

# 7530 and 7730 Deep-Reach® Truck



*7000-series*  
7530-DR32TT  
7730-DR32TT

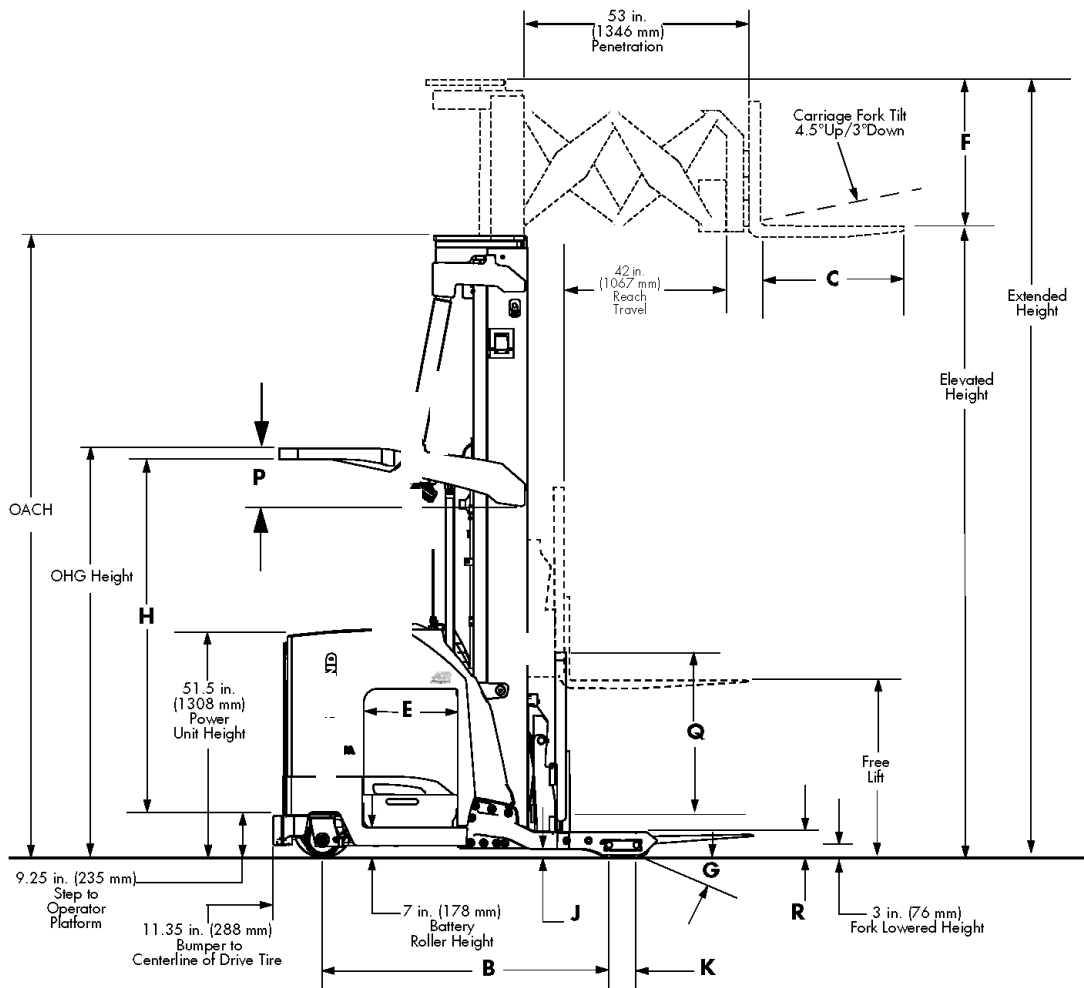
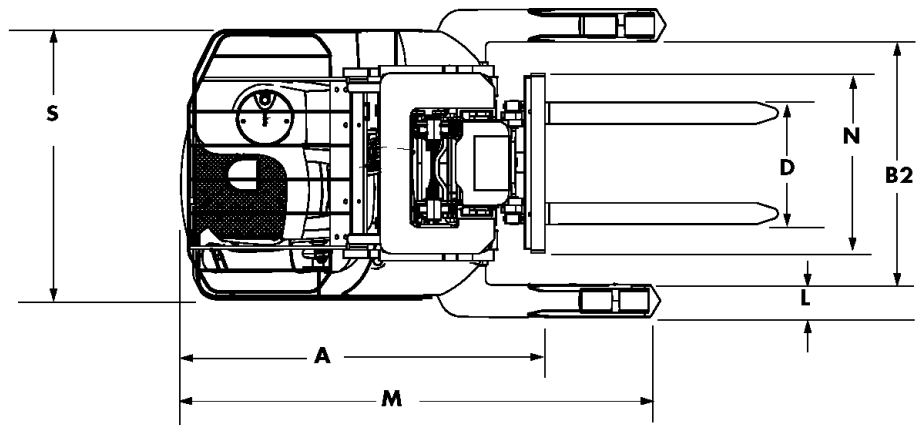
# Dimensions and General Information

Specifications		In.(mm)	7530-DR32TT with Sideshift (El. Ht. to 542 in. (13767 mm) [2][3])	7730-DR32TT with Sideshift (El. Ht. to 542 in. (13767 mm) [2][3])
A	Truck Head Length with Sideshift	In.(mm)	69.8 (1773) [2][3]	71.8 (1823) [2][3]
B	Truck Wheelbase	In.(mm)	66.1 (1679) [2][3]	68.1 (1729) [2][3]
B2	Baseleg Opening (BLO)	In.(mm)	[4]	[4]
C	Forks, ITA Type (Std.) (L x W x T)	In.(mm)	42 x 4 x 1.5 (1067 x 102 x 38)	42 x 4 x 1.5 (1067 x 102 x 38)
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)	21.3 (541) [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 (Without Load Backrest)	In.(mm)	38 (965)	38 (965)
G	Grade Clearance	%	10	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)	5.25 (133)	5.25 (133)
L	Baseleg Width	In.(mm)	5.25 (133)	5.25 (133)
M	Truck Length	In.(mm)	89.8 (2281) [2]	91.8 (2332) [2]
N	Truck Mast OAW [1]	In.(mm)	32 (813)	32 (813)
P	Overhead Guard Thickness	In.(mm)	13.18 (335)	13.18 (335)
Q	Load Backrest Height	In.(mm)	36 (914)	36 (914)
R	Baseleg Height	In.(mm)	5 (127)	5 (127)
S	Power Unit Width	In.(mm)	49.5 (7530)	49.5 (7530)

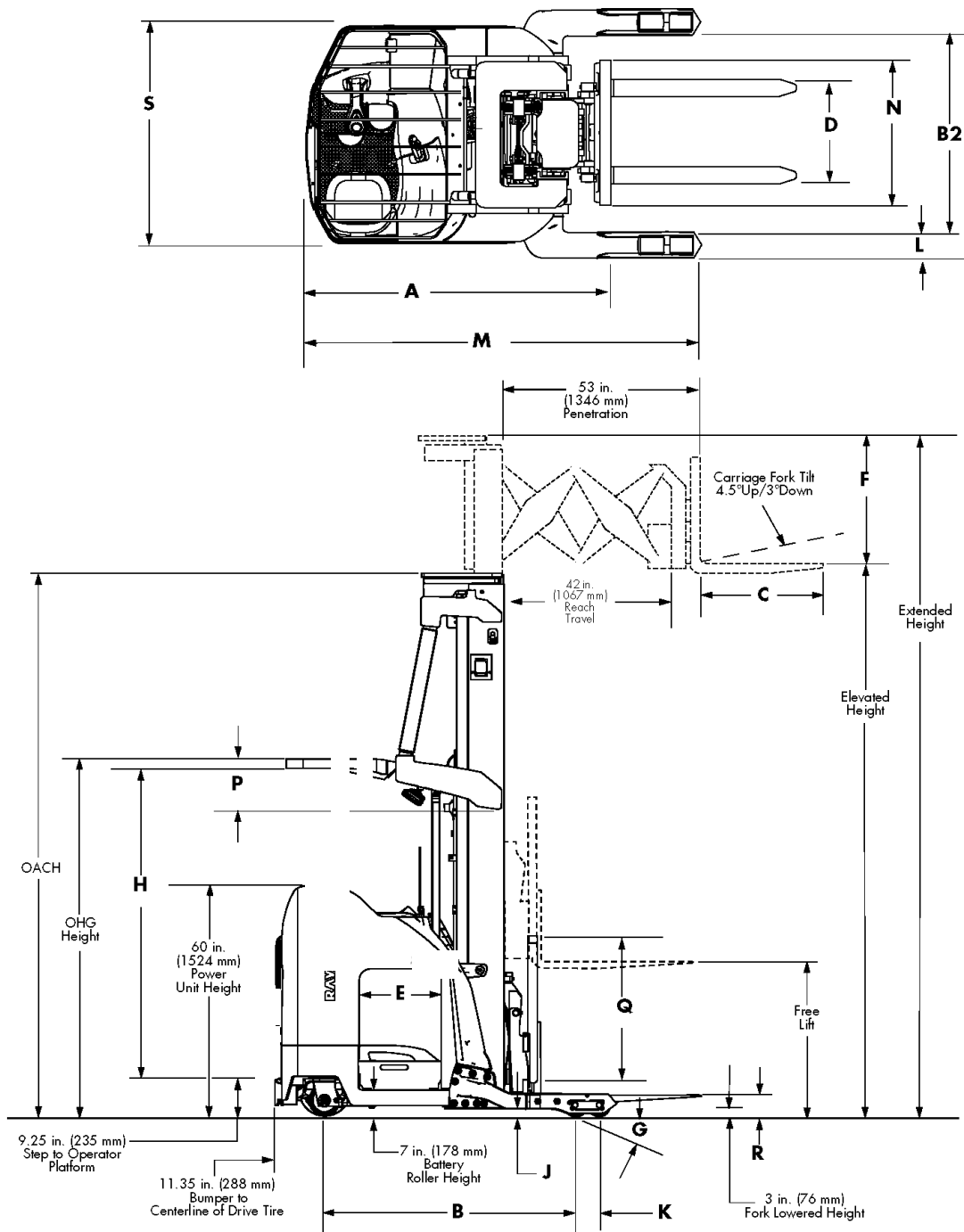
Model		7530-DR32TT with Sideshift (El. Ht. to 542 in. (13767 mm) [2][3])	7730-DR32TT with Sideshift (El. Ht. to 542 in. (13767 mm) [2][3])
Power Unit		36 Volt, Single Drive	36 Volt, Single Drive
Max. Cap. @ 24 in. (600 mm) Load Center	lb.(kg)	3,200 (1451)	3,200 (1451)
Operator's Compartment		Universal 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 (Quantity 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)	5 x 3.62 (127 x 92)	5 x 3.62 (127 x 92)
Gradability	%	5	5
Turning Radius	In. (mm)	82.6 (2098) [2][3]	87.5 (2222) [2][3]
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. Be aware of clearance needed between mast OAW and Drive-in Rails.
  - [2] Add 2.5 in. (63 mm) for 23.5 in. (597 mm) maximum usable battery compartment size.
  - [3] For lift heights greater than 444 in. (11278 mm), requires 23.5 in. (597 mm) maximum usable battery compartment size.
  - [4] Available baseleg openings (BLO) are 42 and 45 inches.

# 7530-DR32TT



# 7730-DR32TT



<b>Mast Specifications</b>	<b>OACH [1]</b>	<b>Elevated Height [2][4]</b>	<b>Extended Height [2]</b>	<b>Full Free Lift [3]</b>	<b>OHG Height [3]</b>	<b>Truck Weight without Battery [5]</b>
<b>Model</b>	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	lb.(kg)
<b>7530-DR32TT</b> <b>(AC Lift, Electronic Power Steering)</b> <b>(21.0 in. (533 mm) Maximum Usable Battery Compartment Size)</b>	169 (4293)	399 (10135)	437 (11100)	124 (3150)	93.4 (2372)	8,876 (4026)
	177 (4496)	423 (10744)	461 (11709)	132 (3353)	93.4 (2372)	9,162 (4156)
	184 (4674)	444 (11278)	482 (12243)	139 (3531)	93.4 (2372)	9,412 (4269)
<b>7530-DR32TT</b> <b>(AC Lift, Electronic Power Steering)</b> <b>(23.5 (597 mm) Maximum Usable Battery Compartment Size)</b>	169 (4293)	399 (10135)	437 (11100)	124 (3150)	93.4 (2372)	8,876 (4026)
	177 (4496)	423 (10744)	461 (11709)	132 (3353)	93.4 (2372)	9,162 (4156)
	184 (4674)	444 (11278)	482 (12243)	139 (3531)	93.4 (2372)	9,412 (4269)
	196 (4978)	460 (11684)	498 (12649)	151 (3835)	93.4 (2372)	9,602 (4355)
	202 (5131)	475 (12065)	513 (13030)	157 (3988)	93.4 (2372)	9,781 (4437)
	209 (5309)	490 (12446)	528 (13411)	164 (4166)	93.4 (2372)	9,960 (4518)
	214 (5436)	505 (12827)	543 (13792)	169 (4293)	93.4 (2372)	10,296 (4670)
	223 (5664)	521 (13233)	559 (14199)	178 (4521)	93.4 (2372)	10,325 (4683)
	227 (5766)	533 (13538)	571 (14503)	182 (4623)	93.4 (2372)	10,468 (4748)
230 (5842)	542 (13767)	580 (14732)	185 (4699)	93.4 (2372)	10,575 (4797)	
<b>7730-DR32TT</b> <b>(AC Lift, Electronic Power Steering)</b> <b>(21.0 in. (533 mm) Maximum Usable Battery Compartment Size)</b>	169 (4293)	399 (10135)	437 (11100)	124 (3150)	93.4 (2372)	9,160 (4155)
	177 (4496)	423 (10744)	461 (11709)	132 (3353)	93.4 (2372)	9,194 (4170)
	184 (4674)	444 (11278)	482 (12243)	139 (3531)	93.4 (2372)	9,444 (4284)
<b>7730-DR32TT</b> <b>(AC Lift, Electronic Power Steering)</b> <b>(23.5 (597 mm) Maximum Usable Battery Compartment Size)</b>	169 (4293)	399 (10135)	437 (11100)	124 (3150)	93.4 (2372)	9,160 (4155)
	177 (4496)	423 (10744)	461 (11709)	132 (3353)	93.4 (2372)	9,194 (4170)
	184 (4674)	444 (11278)	482 (12243)	139 (3531)	93.4 (2372)	9,444 (4284)
	196 (4978)	460 (11684)	498 (12649)	151 (3835)	93.4 (2372)	9,634 (4370)
	202 (5131)	475 (12065)	513 (13030)	157 (3988)	93.4 (2372)	9,813 (4451)
	209 (5309)	490 (12446)	528 (13411)	164 (4166)	93.4 (2372)	9,992 (4532)
	214 (5436)	505 (12827)	543 (13792)	169 (4293)	93.4 (2372)	10,296 (4597)
	223 (5664)	521 (13233)	559 (14199)	178 (4521)	93.4 (2372)	10,357 (4698)
	227 (5766)	533 (13538)	571 (14503)	182 (4623)	93.4 (2372)	10,500 (4763)
230 (5842)	542 (13767)	580 (14732)	185 (4699)	93.4 (2372)	10,607 (4811)	

**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. Decrease values when non-standard load backrest are used.

Performance Specifications		7530-DR32TT (El. Ht. to 542 in. (13767 mm))		7730-DR32TT (El. Ht. to 542 in. (13767 mm))	
Maximum Usable Battery Compartment Size	in.(mm)	21.0 or 23.5 (533 or 597)		21.0 or 23.5 (533 or 597)	
<b>Main Controls</b>					
Lift Speed Unloaded [1]	fpm (m/s)	168 (0.85)		168 (0.85)	
Lift Speed w/Full Load [1]	fpm (m/s)	95 (0.48)		100 (0.51)	
Lift Speed w/3,000 lb. Load [1]	fpm (m/s)	100 (0.51)		100 (0.51)	
Lift Speed w/2,500 lb. Load [1]	fpm (m/s)	105 (0.53)		105 (0.53)	
Lift Speed w/2,000 lb. Load [1]	fpm (m/s)	120 (0.61)		120 (0.61)	
Lift Speed w/1,000 lb. Load [1]	fpm (m/s)	135 (0.69)		135 (0.69)	
		<b>Unloaded</b>	<b>Loaded</b>	<b>Unloaded</b>	<b>Loaded</b>
Lower Speed [1]	fpm (m/s)	230 (1.17)	230 (1.17)	230 (1.17)	230 (1.17)
Travel Speed [1]	mph (km/h)	8.0 (12.1) [5]	7.0 (11.2) [6]	8.0 (12.9) [5]	7.0 (11.2) [2][3][6]
Travel Current	amp	140	190	140	190
<b>Auxiliary Controls</b>					
Reach Time	sec	3.6	3.6	3.6	3.6
Tilt Time	sec	2.0	2.7	2.0	2.7
<b>NOTES:</b> [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) load. [3] With load greater than 1500 lb. (680 kg) in either direction. Model 7720 maximum shown; may be lower based on vehicle weight. [4] Lowering speed in Free Lift is 145 fpm (0.73 m/s). [5] Up to 1800 pounds (816 kg). [6] Above 1800 pounds (816 kg).					

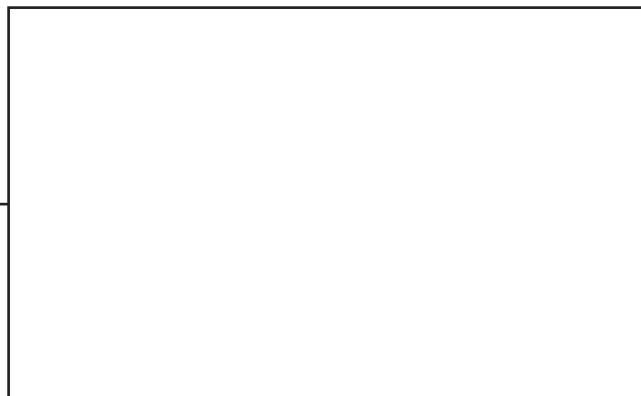
Battery Specifications		7530-DR32TT (El. Ht. to 542 in. (13767 mm))		7730-DR32TT (El. Ht. to 542 in. (13767 mm))	
Ampere-hours, Max.		1395		1395	
Battery Connector Type (Right Side)		SB-350		SB-350	
Battery Connector Color		Gray		Gray	
Lead Location		B		B	
Lead Length	in. (mm)	15 (381)		15 (381)	
Max. Usable Comp Size (L x W x H) [1][2]	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][2]	in.(mm)	38.62 x 23.5 x 31 [2] (981 x 597 x 787)		38.62 x 23.5 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 23.77 x 31 [2] (981 x 604 x 787)		38.62 x 23.77 x 31 [2][3] (981 x 604 x 787)	
Battery Weight, Max. (18.12" Battery Comp.)	lb.(kg)	2,900 (1315)		2,900 (1315)	
Battery Weight, Max. (21.12" Battery Comp.)	lb.(kg)	3,600 (1633)		3,600 (1633)	
Battery Weight, Min. (18.12" Battery Comp.)	lb.(kg)	2,600 (1179)		2,600 (1179)	
Battery Weight, Min. (21.12" Battery Comp.)	lb.(kg)	3,100 (1406)		3,100 (1406)	
<b>NOTES:</b> [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
- 42 in. Reach Mechanism
- A-Frame Suspension (patented)
- AC-Traction and Lift System
- Advanced Ergonomic Design
- Auto Position Hold
- Auto Power Off™ Device
- Battery Compartment (18.12 in. or 21.12 in. Usable)
- Bi-Directional
- Bolt-on, Ductile Iron Baselegs
- Brake, Electric
- Controls Active Maintenance Diagnostics
- Console Work Surface & Storage Compartment
- Emergency Power Disconnect
- Energy Efficient Operation
- Ergonomic Seat with Adjustable Height and Moves
- Out of the Way for Standing Position
- Floor Pad, Soft Cushioned
- High Speed Lift with Regenerative Lowering (Model 7720 only)
- Horn
- Hour Meters: Key Hours, Deadman Activated, Time Spent Lifting, Distance Traveled
- Hydraulic Mast Staging
- Inertial Dampener (trucks above 270")
- 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
- 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
- Sideshift, Integral type 2 in., and Power Tilt
- Simultaneous Function Control Handle/Single Axis/Relaxed Grip
- Spacious Compartment with Multiple Lean
- Points & Universal Stack Stance and Dockstance
- Steered Idler
- Steering Column Adjustable (3 Position)
- Steering, Electric
- Straddle Baselegs
- The ACR System™
- UID (User Interface) with Selectable Display
- UL Type "E" Construction
- 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), Standard Backrest is 36" (914 mm)
- ThermaKit™ Cold Storage Comfort Package
- UL Label, Type "EE" (Model 7530 only)
- Vantage Point™ Camera System



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