

Stand-Up Counterbalanced Truck Models 4150 and 4250: Specification Sheet



RAYMOND
Above. And beyond.®

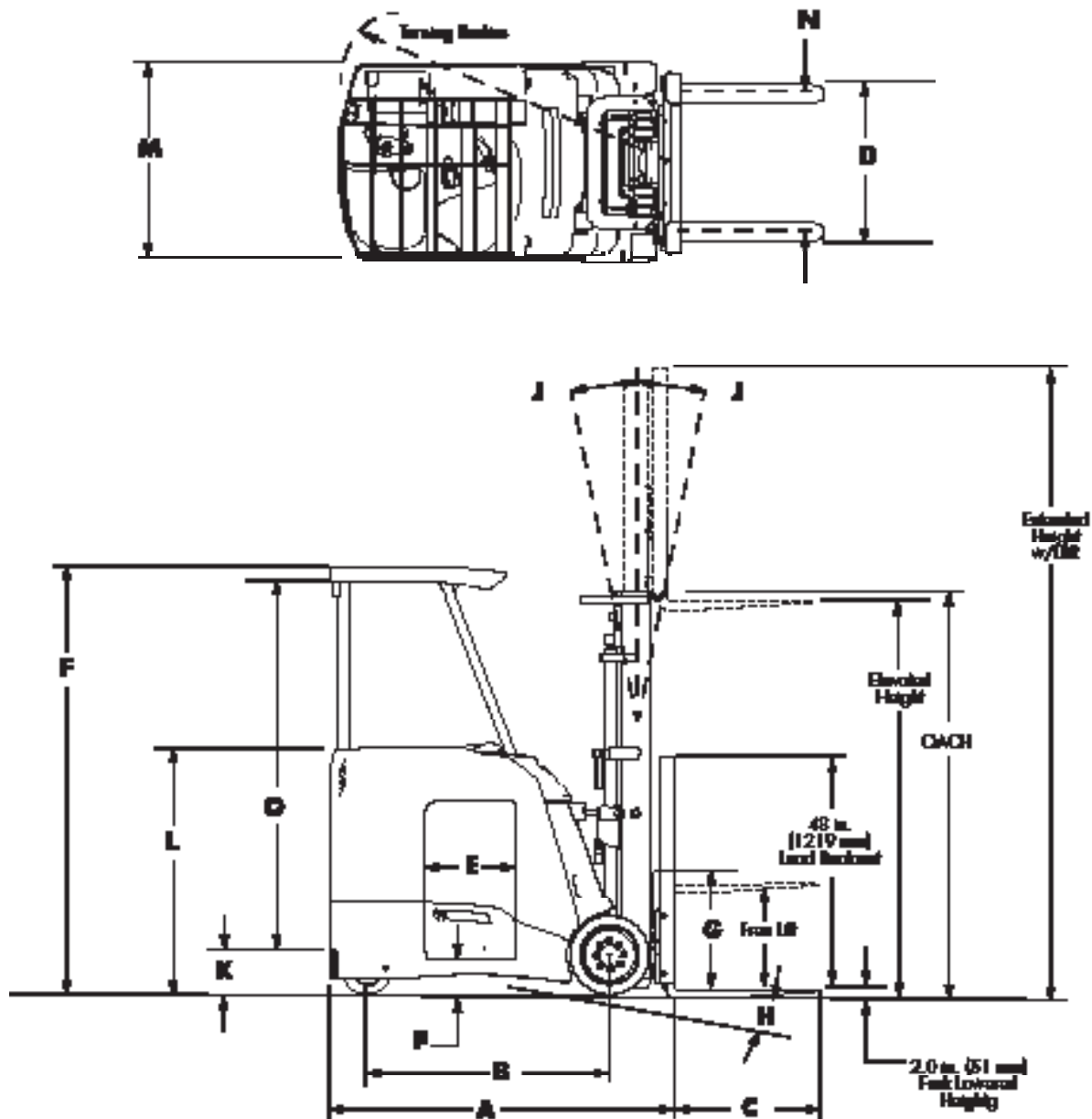
Models 4150 and 4250 Trucks: What Excellence Looks Like

Maneuverable... Durable... Innovative.

The Models 4150 and 4250 represent true excellence in a multi-purpose truck. With outstanding comfort, visibility, maneuverability, reliability, durability and more, this Raymond offering gets the job done right... day after day. It's the ideal truck for working the dock, ramps, tight manufacturing spaces, long-distance transport, and so much more.

Key Features & Benefits

- › *ComfortStance™* suspension (4250 standard, 4150 option)
- › Excellent visibility for efficient handling
- › Superior maneuverability and speed
- › Raymond's exclusive *ACR System™* with AC drive and lift motors
- › Outstanding comfort and intuitive controls
- › Backed by Raymond's industry-leading service and support network



MODEL 4150 - DIMENSIONS AND GENERAL INFORMATION

Models - TF, TT		4150-C30 / 4150-C35	4150-C30 / 4150-C35	4150-C30 / 4150-C35
A Truck Head Length (w/o Sideshift)	in.	64.6	67.4	69.4
A Truck Head Length (w/ Sideshift)	in.	66.8	69.6	71.6
B Truck Wheelbase	in.	45.3	48.1	50.1
C Forks, Hook Type (Std.) (L x W x T)	in.	42 x 4 x 1.5		
D Fork Adjustment	in.	8 - 32		
E Battery Compartment Width	in.	13.75	16.5	18.5
F OHG Height	in.	88		
G Carriage Height w/o Std. Load Backrest	in.	20		
H Grade Clearance	°	32°		
J Mast Tilt (back)	°	5°		
J Mast Tilt (forward)	°	3°		
K Step Height	in.	8		
L Chassis Height	in.	50.2		
M OAW Including Tires	in.	41		
N Mast Width (Cross Tie)	in.	24		
O Inside Clearance OHG	in.	78.6		
P Battery Roller Height	in.	7.5		
Power Unit		36 Volts		
Max. Cap. @ 24 in. Load Center	lb.	3,000 / 3,500	3,000 / 3,500	3,000 / 3,500
Operator Compartment		Stand-up		
Drive Tires, Rubber (2) (Dia. x W)	in.	16.25 x 6 x 11.25		
Steering Tires, Rubber (2) (Dia. x W)	in.	10 x 5 x 6.5		
Gradability	%	15%		
Turning Radius	in.	52.7	55.5	57.5

MAST SPECIFICATIONS

Models	OACH	Elevated Height	Extended Height w/Load Backrest	Free Lift
	in. (mm)	in. (mm)	in. (mm)	in. (mm)
4150-C30 TF / 4150-C35 TF	83 (2108)	127 (3226)	175 (4445)	35 (889)
	88 (2235)	137 (3480)	185 (4699)	40 (1016)
4150-C30 TT / 4150-C35 TT	83 (2108)	188 (4775)	236 (5994)	35 (889)
	88 (2235)	203 (5156)	251 (6375)	40 (1016)
	96 (2438)	227 (5766)	275 (6985)	48 (1219)

PERFORMANCE SPECIFICATIONS 4150

Models - TF, TT		4150-C30 / 4150-C35
Main Controls		Loaded / Unloaded
Travel Speed	mph	7.2 / 7.2
Lift Speed	fpm	55 / 85
Lower Speed	fpm	75 / 75

BATTERY SPECIFICATIONS 4150

Models		4150-C30 / 35		
Ampere-hour		800	930	1,085
Max Battery Size-Standard Lead-Acid Battery (L x W x H)		in. 38.5 x 13.5 x 32.3	38.5 x 16.25 x 32.3	38.5 x 18.25 x 32.3
Battery	Min. Weight	lb. 1,700	1,980	2,300
	Max. Weight	lb. 2,050	2,250	2,600

MODEL 4250 - DIMENSIONS AND GENERAL INFORMATION

Models - TF, TT		4250-C30 / 4250-C35	4250-C30 / 4250-C35	4250-C30 / 4250-C35	4250-C40	4250-C50
A Truck Head Length (w/o Sideshift)	in.	65.4	68.2	70.2	72.9	75.4
A Truck Head Length (w/ Sideshift)	in.	66.3	69.1	71.1	73.8	76.3
B Truck Wheelbase	in.	45.6	48.4	50.4	53.1	55.6
C Forks, Hook Type (Std.) (L x W x T)	in.	42 x 4 x 1.5				42 x 4 x 1.75
D Fork Adjustment	in.	8 x 37				
E Battery Compartment Width	in.	13.75	16.5	18.5	21.25	23.75
F OHG Height	in.	88				
G Carriage Height w/o Std. Load Backrest	in.	24.1				
H Grade Clearance	%	32			31	29
J Mast Tilt (back)	°	5°				
J Mast Tilt (forward)	°	3°				
K Step Height	in.	9.4				
L Chassis Height	in.	50.2				
M OAW Including Tires	in.	41			42.5	42.5
N Mast Width (Cross Tie)	in.	24.7				
O Inside Clearance OHG	in.	77				
P Battery Roller Height	in.	7.5				
Power Unit		36 Volts				
Max. Cap. @ 24 in. Load Center	lb.	3,000 / 3,500	3,000 / 3,500	3,000 / 3,500	4,000	5,000
Operator Compartment		Stand-up				
Drive Tires, Rubber (2) (Dia. x W)	in.	16.25 x 6			16.25 x 7	
Steering Tires, (2) (Dia. x W)	in.	10 x 5 x 6.5 (Rubber)				10 x 5 x 6.5 (Poly)
Gradability	%	15				
Turning Radius	in.	53	55.8	57.8	60.5	63

MAST SPECIFICATIONS

Models	OACH	Elevated Height	Extended Height w/Load Backrest	Free Lift
	in. (mm)	in. (mm)	in. (mm)	in. (mm)
4250-C30 TF / 4250-C35 TF / 4250-C40 TF	83 (2108)	128 (3251)	176 (4470)	35 (889)
	89 (2261)	140 (3556)	188 (4775)	41 (1041)
4250-C50 TF	89 (2261)	136 (3454)	184 (4674)	41 (1041)
4250-C30 TT / 4250-C35 TT / 4250-C40 TT / 4250-C50 TT	83 (2108)	188 (4775)	236 (5994)	35 (889)
	88 (2235)	203 (5156)	251 (6375)	40 (1016)
	95 (2413)	224 (5690)	272 (6909)	47 (1194)
	99 (2515)	227 (5766)	275 (6985)	51 (1295)*
	107 (2718)	251 (6375)	299 (7594)	59 (1499)
4250-C30 QM / 4250-C35 QM / 4250-C40 QM / 4250-C50 QM	83 (2108)	240.5 (6109)	289 (7341)	35 (889)
	89 (2261)	258.5 (6566)	307 (7798)	41 (1041)
	93.5 (2375)**	270.5 (6871)	319 (8102)	45 (1143)

* 48 in. 1219 mm on 4250-C40 TT / 4250-C50 TT.

** 4250-C50 QM only.

PERFORMANCE SPECIFICATIONS 4250

Models - TF, TT, QM		4250-C30 / 4250-C35	4250-C40	4250-C50
Main Controls		Loaded / Unloaded	Loaded / Unloaded	Loaded / Unloaded
Travel Speed	mph		8 / 8	
Lift Speed	fpm	70 / 110		65 / 110
Lower Speed	fpm		100 / 90	

BATTERY SPECIFICATIONS 4250

Models		4250-C30 / 4250-C35			4250-C40	4250-C50
Ampere-hour		800	930	1,085	1,240	1,395
Max. Battery Size-Standard Lead-Acid Battery (L x W x H)	in.	38.5 x 13.5 x 32.3	38.5 x 16.25 x 32.3	38.5 x 18.25 x 32.3	38.5 x 21 x 32.3	38.5 x 23.5 x 32.3
Battery	Min. Weight	lb.	1,700	1,980	2,300	2,593
	Max. Weight	lb.	2,050	2,250	2,600	2,900



Technical Overview

Standard equipment: Get more... do more.

Models 4150/4250

- › The *ACR System*
- › Anti-stall protection
- › Auto position hold
- › Battery rollers, corrosion resistant
- › Battery state-of-charge, BSOC with lift cut-out and reset
- › Braking, regenerative
- › Control handle, single axis
- › Controls, intuitive and tactile
- › Diagnostics, start-up and run-time
- › Dual drive motors, vertically mounted, internal fan
- › Dual electric disc brakes
- › Fault and status messages
- › Fault code history
- › Forks, 42 in. x 4 in. x 1.5 in. (3K, 3.5K, and 4K trucks)
- › Forks, 42 in. x 4 in. x 1.75 in. (5K trucks only)
- › Hour meters (4), 5-digit, HD, TM, LH, KH
- › Key switch
- › Load backrest, 48 in., bolt-on
- › Low-effort steering, hydraulic power, forward
- › Mast Tilt (3° forward / 5° backward)
- › Power accessory hook-up - 10 Amperes
- › Power system, 36 volt
- › Precise speed control
- › Proportional plugging
- › Switch, EPO
- › Travel AC
- › Thermal limiting, multi-step
- › Tires, drive, low durometer rubber
- › Tire, dual steer, low durometer (rubber) C30, C35, C40
- › Tire, dual steer (poly) C50 only
- › UL Type "E" construction

Model 4150 Only

- › Sideshift hang-on

Model 4250 Only

- › Floor, *ComfortStance* suspension
- › Lift AC
- › Mast, clear view design
- › Sideshift (integral on TT and QM masts; hang-on on TF mast)

Options*: Get the Most From Your Truck

Models 4150/4250

- › Hydraulic customization for attachments
- › Conditioning for coolers and freezers
- › Various fork styles and lengths, enabling you to create the right truck for the job
- › Special Tilt mast: 5-forward, 3-back
- › Battery spacers
- › Battery gate interlock
- › Extended operator's backrest

Model 4150 Only

- › UL Label, Type "E"
- › Floor, *ComfortStance* Suspension

Model 4250 Only

- › UL Label, Type "E" or "EE"
- › Bottlers Tilt mast: 10-forward, 3-back
- › Weight sensing

* Consult with your Raymond authorized Sales and Service Center for additional options which may have application to your operating environment. Also, see the Features Brochure for *Raymond* Pallet Handling Trucks.

RAYMOND
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