



# » GET MORE. « DO MORE.

## STANDARD EQUIPMENT TO KEEP YOU MOVING

### MODELS 4150/4250

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/poly)  
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)

## AVAILABLE 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  
iWAREHOUSE® fleet and warehouse optimization system

### 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



Due to continuous product improvements, specifications are subject to change without notice. Some systems and features shown are optional at extra cost. *ACR System*, *Raymond*, *ComfortStance*, *Raymond Asset Protection* and *iWAREHOUSE* are U.S. trademarks of The Raymond Corporation.

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# STAND-UP COUNTERBALANCED TRUCK

MODELS 4150 AND 4250

[ SPECIFICATION SHEET ]



# RAYMOND

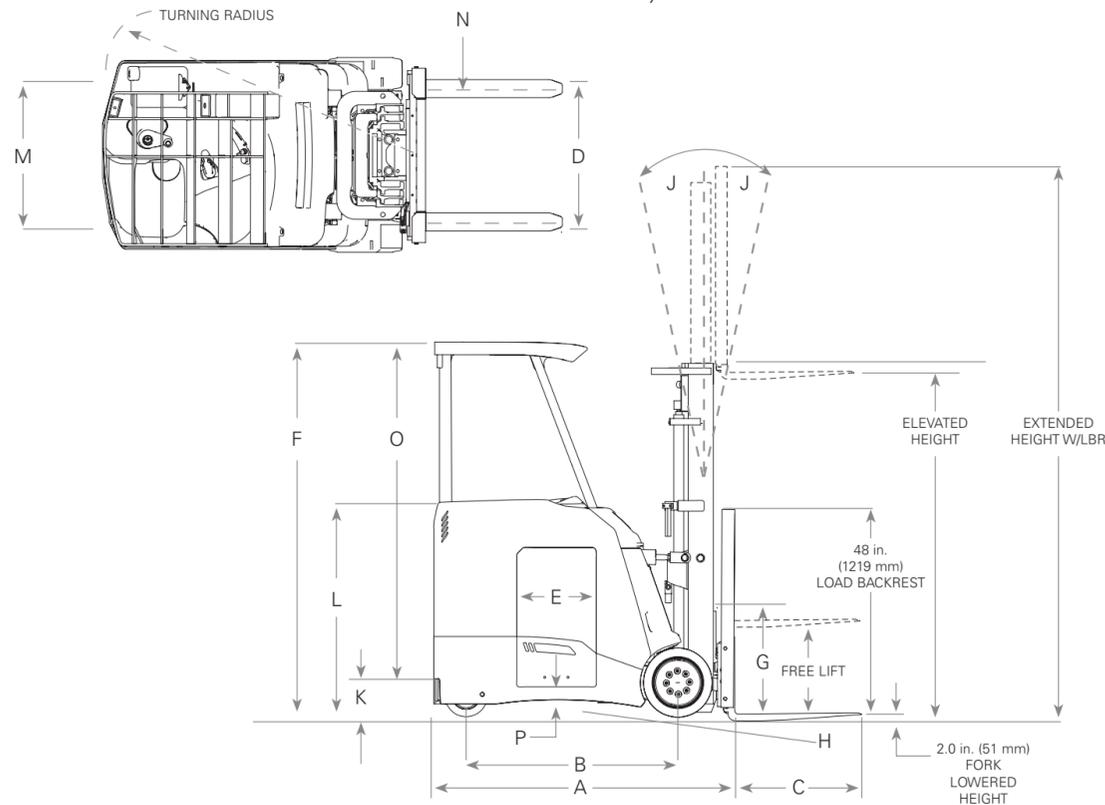
# WHAT EXCELLENCE LOOKS LIKE

## 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 (Model 4250 standard, Model 4150 option)
- » Excellent visibility for efficient handling
- » Superior maneuverability and speed
- » Raymond's exclusive *ACR System™*
- » Outstanding comfort and intuitive controls
- » Backed by Raymond's nationwide network of Sales and Service Centers, and industry-leading warranty - *Raymond Asset Protection™*



## MODEL 4150

DIMENSIONS AND GENERAL INFORMATION		4150-C30 / 4150-C35	4150-C30 / 4150-C35	4150-C30 / 4150-C35
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 ADJUSTMENTS	IN	8-32		
E BATTERY COMPARTMENT WIDTH	IN	13.75	16.5	18.5
F OVERHEAD GUARD HEIGHT	IN	88		
G CARRIAGE HEIGHT W/O STD. LOAD BACKREST	IN	20		
H GRADE CLEARANCE	%	36 <sup>†</sup>	35	33
H GROUND CLEARANCE (CENTER OF WHEELBASE)	IN	4.12 <sup>†</sup>	4.12	3.87
H GROUND CLEARANCE (CENTER OF MAST)	IN	3	3	3
J MAST TILT (BACK)	°	5 °		
J MAST TILT (FRONT)	°	3°		
K STEP HEIGHT	IN	8		
L CHASSIS HEIGHT	IN	50.2		
M OVERALL WIDTH INCLUDING TIRES	IN	41		
N MAST WIDTH INCLUDING TIRES	IN	24		
O INSIDE CLEARANCE OVERHEAD GUARD	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, POLY (2) (DIA x W)	IN	-		
STEERING TIRES, RUBBER (2) (DIA x W)	IN	10 x 5 x 6.5	10 x 5 x 6.5	-
GRADEABILITY	%	15%		
TURNING RADIUS	IN	52.7	55.5	57.5

<sup>†</sup>29% on 415-C35TT and 415-C35TF 3.3 in. (84 mm) on 415-C35TT and 415-C35TF.

## MAST SPECIFICATIONS

MODELS	OACH IN (MM)	ELEVATED HEIGHT IN (MM)	EXTENDED HEIGHT W/LOAD BACKREST IN (MM)	FREE LIFT 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 TF / 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

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

MODELS		4150-C30 / C35		
AMPERE-HOUR		800	930	1,085
MAX BATTERY SIZE-STANDARD LEAD-ACID BATTERY (LWH)		IN	38.5 x 13.5 x 32.3	38.5 x 16.25 x 32.3
BATTERY	MIN. WEIGHT	LB	1,700	2,300
	MAX. WEIGHT	LB	2,050	2,600

## MODEL 4250

DIMENSIONS AND GENERAL INFORMATION		4250-C30 / 4250-C35	4250-C30 / 4250-C35	4250-C30 / 4250-C35	4250-C40	4250-C50
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 ADJUSTMENTS	IN	8-32				
E BATTERY COMPARTMENT WIDTH	IN	13.75	16.5	18.5	21.25	23.75
F OVERHEAD GUARD HEIGHT	IN	88				
G CARRIAGE HEIGHT W/O STD. LOAD BACKREST	IN	20				
H GRADE CLEARANCE	%	36 <sup>††</sup>	35	33	31	29
H GROUND CLEARANCE (CENTER OF WHEELBASE)	IN	4.12 <sup>††</sup>	4.12	3.87		
H GROUND CLEARANCE (CENTER OF MAST)	IN	3				
J MAST TILT (BACK)	°	5 °				
J MAST TILT (FRONT)	°	3°				
K STEP HEIGHT	IN	9.4				
L CHASSIS HEIGHT	IN	50.2				
M OVERALL WIDTH INCLUDING TIRES	IN	41			42.5	42.5
N MAST WIDTH INCLUDING TIRES	IN	24.7				
O INSIDE CLEARANCE OVERHEAD GUARD	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 x 11.25			16.25 x 7	
STEERING TIRES, POLY (2) (DIA x W)	IN	10 x 5 x 6.5				
GRADEABILITY	%	15%				
TURNING RADIUS	IN	53.1	55.8	57.8	60.5	63

<sup>††</sup>29% on 415-C35TT and 415-C35TF 3.3 in. (84 mm) on 415-C35TT and 415-C35TF.

## MAST SPECIFICATIONS

MODELS	OACH IN (MM)	ELEVATED HEIGHT IN (MM)	EXTENDED HEIGHT W/LOAD BACKREST IN (MM)	FREE LIFT 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)*
4250-C30 QM / 4250-C35 QM / 4250-C40 QM / 4250-C50 QM	107 (2718)	251 (6375)	299 (7594)	59 (1499)
	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-C30 TT.\*\* 4250-C30 QM only.

## PERFORMANCE SPECIFICATIONS

MODELS - TF, TT	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

MODELS		4250-C30 / C35			4250 / C40	4250 / C50
AMPERE-HOUR		800	930	1,085	1,240	1,395
MAX BATTERY SIZE-STANDARD LEAD-ACID BATTERY (LWH)		IN	1,700	38.5 x 16.25 x 32.3	38.5 x 18.25 x 32.3	38.5 x 21 x 32.3
BATTERY	MIN. WEIGHT	LB	2,050	1,980	2,300	2,593
	MAX. WEIGHT	LB	2,050	2,250	2,600	2,900