



KEY SPECIFICATION COMPARISON

The following section compares critical truck specifications between major lift truck manufactures around the world. The specifications compared are features that are a part of the standard truck configurations among all manufacturers. Some of the Key Specifications compared are listed below:

General Information: Wheelbase, Fork size and spread,
Load and Steer wheel sizes, Capacity

Power: 24 volt / 36 volt electrical system

Performance Data: Maximum Fork Height (MFH) with rated
capacity, Traction Speeds – Loaded and
Unloaded, Gradeability, Turning Radius

Mast Assembly: Maximum Fork Height, Over All Height (OAH)

3000# PREMIUM COUNTERBALANCED ORDERPICKER COMPETITIVE SPECIFICATION

TECHNICAL SPECIFICATIONS				
Manufacturer		HYSTER	CATERPILLAR	CROWN
Model		R30XM2	NOR30P	SP 3020-30
Capacity	lb. (kg)	3000 (1 360)	3,000 (1 360)	3,000 (1 360)
DIMENSIONS:				
Load center	in. (mm)	24 (610)	24 (610)	24 (610)
Operator type	in. (mm)	Stand	Stand	Stand
Voltage		24	24	24
Tire type	load/drive	Poly / Poly	Poly / Poly	Poly / Poly
Wheels, front/rear	(X = drive)	4 / 1X	4 / 1X	4 / 1X
3-Stage mast (MFH)	in. (mm)	240.0 (6 096)	240.0 (6 100)	240.0 (6 096)
Height, standard mast lowered	in. (mm)	105.0 (2 667)	147.0 (3 730)	107.0 (2 718)
Height, standard mast extended	in. (mm)	326.0 (8 280)	326.0 (8 280)	328.0 (8 331)
Forks, L x W x T	in. (mm)	42 (1 067) / 4 (102) / 1.8 (44)	42 (1 067) / 4 (102) / 1.5 (38)	36 (914) x 4 (102) x 2 (51)
Fork spread, outside-to-outside (min/max)	in. (mm)	21.0 (533) / 28.0 (711)	24.0 (610) / 28.0 (710)	24.0 (610) / 28.0 (711)
Platform Height	in. (mm)	89.4 (2270)	80.5 (2045)	87.0 (2210)
Headlength to face of forks, 3-stage	in. (mm)	75.3 (1 913)	72.0 (1 830)	75.6 (1 920)
Base width	in. (mm)	41.3 (1 049) / 48.0 (1 219)	40.0 (1 015)	42.0 (1 067)
Operator platform width	in. (mm)	41.0 (1041)	39.0 (990)	42.0 (1 067)
Turning radius, minimum outside	in. (mm)	67.0 (1 720)	72.0 (1 830)	68.0 (1 727)
PERFORMANCE:				
Travel speed , standard truck, NL/RL	mph	6.0 / 5.5	6.1 / 6.0	6.0 / 5.3
Lift speed, 3-stage FFL mast NL/RL	ft/min	65.0 / 46.0	58.0 / 36.0	71.0 / 43.0
Lowering, 3-stage FFL mast NL/RL	ft/min	68.0 / 68.0	69.0 / 80.0	80.0 / 75.0
WEIGHT:				
Weight, total approx. without battery	lb. (kg)	4,850 (2 204)	Information Not Available	6,072 (2 760)

TECHNICAL SPECIFICATIONS				
Manufacturer		HYSTER	CATERPILLAR	CROWN
Model		R30XM2	NOR30P	SP 3020-30
Capacity	lb. (kg)	3000 (1 360)	3,000 (1 360)	3,000 (1 360)
WHEELS & TIRES:				
Front load wheel size (tandem articulated)	in. (mm)	5.0 (127) x 3.0 (76)	6.0 (152) x 3.6 (92)	2.8 (71) x 6.0 (152)
Drive tire/steer tire size	in. (mm)	12.0 (305) x 5.5 (140)	12.0 (305) x 5.0 (127)	13.0 (330) x 5.5 (140)
Wheelbase	in. (mm)	57.0 (1 449)	60.0 (1 525)	51.0 (1 295)
Ground clearance, no load, ctr whlbase	in. (mm)	2.0 (51)	2.0 (51)	2.0 (51)
Brakes, method of control, service/pkg	in. (mm)	Spring Applied / Electric Release	Spring Applied / Hydraulic Release	Spring Applied / Electric Release
Brakes, method of operation, service/parking	in. (mm)	Foot	Foot	Foot
BATTERY:				
Battery type		Lead-acid	Lead-acid	Lead-acid
Battery - ampere hours (max)	AH	1125	Information Not Available	1085
Battery minimum weight, min/max	lb. (kg)	1600 (726) / 2000 (907)	1600 (730) / 2000 (907)	1520 (690) / Max. not listed
Battery compartment	in. (mm)	39 x 14.6 x 31.5	36.75 x 14.50 x 30.88	36.25 x 14.25 x 31
STANDARD FEATURES:				
Electric power steering		Standard	Standard	Standard
Steering type		Return-to-Center steering	Multi-turn steering	Multi-turn steering
Lift speeds		Variable	Variable	Two-speed
Mast guard		VISTA™ wire mesh screen	Wire mesh screen	Glass windshield
Lights & fans		Standard	Standard	Optional
Battery state of charge w/lift interrupt		Standard	Standard	Standard
Motor control		Transistor	Transistor	GE EVT-100 FL transistor
CANbus technology		Standard	Information Not Available	Not Offered
Continuous height sensing		Standard	Optional	Not Offered
New Wire Guidance System for 6.25 or 5.25 kHz frequencies		Optional	Optional	Optional
Upgradeable from 24V to 36V		Optional	Optional	Not Offered

TECHNICAL SPECIFICATIONS					
Manufacturer		HYSTER	RAYMOND	TOYOTA	YALE
Model		R30XM2	EASI OPC30TT	6BPU15	OS 030BE
Capacity	lb. (kg)	3000 (1 360)	3000 (1 360)	3000 (1 360)	3,000 (1 360)
DIMENSIONS:					
Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
Operator type	in. (mm)	Stand	Stand	Stand	Stand
Voltage		24	24	24	24
Tire type	load/drive	Poly / Poly	Poly / Poly	Poly / Poly	Poly / Poly
Wheels, front/rear	(X = drive)	4 / 1X	4 / 1X	4 / 1X	4 / 1X
3-Stage mast (MFH)	in. (mm)	240.0 (6 096)	240.0 (6 096)	204 (5 182)	240.0 (6 096)
Height, standard mast lowered	in. (mm)	105.0 (2 667)	107.0 (2 718)	95 (2 413)	105.0 (2 667)
Height, standard mast extended	in. (mm)	326.0 (8 280)	325.0 (8 255)	289 (7 340)	326.0 (8 280)
Forks, L x W x T	in. (mm)	42 (1 067) x 4 (102) x1.8 (44)	42 (1 067) / 4 (102) / 1.5 (38)	42 (1 067) / 4 (102) / 1.5 (38)	42 (1 067) x 4 (102) x1.75 (44)
Fork spread, outside-to-outside (min/max)	in. (mm)	21.0 (553) / 28.0 (711)	24.0 (610) / 28.0 (711)	24.0 (610) / 28.0 (711)	21.0 (553) / 28.0 (711)
Platform Height	in. (mm)	89.4 (2270)	78.5 (1 994)	78.5 (1 994)	89.4 (2270)
Headlength to face of forks, 3-stage	in. (mm)	75.3 (1 913)	74 (1880)	73.0 (1 854)	74.0 (1 880)
Base width	in. (mm)	41.3 (1 049) / 48.0 (1 219)	40.0 (1 016)	40.0 (1 016)	40.75 (1 035) / 48.25 (1 225)
Operator platform width	in. (mm)	41.0 (1041)	39.0 (991)	39.0 (991)	41.0 (1 041)
Turning radius, minimum outside	in. (mm)	67.7 (1 720)	72.0 (1 829)	72.0 (1 829)	67.70 (1 720)
PERFORMANCE:					
Travel speed , standard truck, NL/RL	mph	6.0 / 5.5	5.5 / 5.5	5.7 / 5.5	6.0 / 5.5
Lift speed, 3-stage FFL mast NL/RL	ft/min	65.0 / 46.0	45.0 / 33.0	56.0 / 36.0	65.0 / 46.0
Lowering,3-stage FFL mast NL/RL	ft/min	68.0 / 68.0	40.0 / 40.0	70.0 / 80.0	68.0 / 68.0
WEIGHT:					
Weight, total approx. without battery	lb. (kg)	4,850 (2 204)	5350 (2 427)	Information Not Available	4850 (2 204)

TECHNICAL SPECIFICATIONS				
Manufacturer	HYSTER	RAYMOND	TOYOTA	YALE
Model	R30XM2	EASI OPC30TT	6BPU15	OS 030BE
Capacity lb. (kg)	3000 (1 360)	3000 (1 360)	3000 (1 360)	3,000 (1 360)
WHEELS & TIRES:				
Front load wheel size (tandem articulated) in. (mm)	5.0 (127) x 3.0 (76)	6.0 (152) x 3.625 (92)	6.0 (152) x 3.625 (92)	5.0 (127) x 3.0 (76)
Drive tire/steer tire size in. (mm)	12.0 (305) x 5.5 (140)	12.0 (305) x 5.0 (127)	12.0 (305) x 5.0 (127)	12.0 (305) x 5.5 (140)
Wheelbase in. (mm)	57.0 (1 449)	60.0 (1 524)	60.0 (1 524)	57.0 (1 449)
Ground clearance, no load, ctr whlbase in. (mm)	2.0 (51)	2.0 (51)	2.0 (51)	2.0 (51)
Brakes, method of control, service/pkg in. (mm)	Spring Applied / Electric Release	Spring Applied / Electric Release	Spring Applied / Hydraulic Release	Spring Applied / Electric Release
Brakes, method of operation, service/parking in. (mm)	Foot	Foot	Foot	Foot
BATTERY:				
Battery type	Lead-acid	Lead-acid	Lead-acid	Lead-acid
Battery - ampere hours (max) AH	1125	1085	1085	1125
Battery minimum weight, min/max lb. (kg)	1600 (726) / 2000 (907)	920 (418) / 2000 (907)	920 (418) / 2000 (907)	1600 (726) /
Battery compartment in. (mm)	35.4 x 14.6 x 30.8	31.0 x 13.0 x 30.88*	36.75 x 14.5 x 32.25	38.8 x 14.35 x 30.8
STANDARD FEATURES:				
Electric power steering	Standard	Standard	Standard	Standard
Steering type	Return-to-Center steering	Multi-turn steering	Multi-turn steering	Multi-turn steering
Lift speeds	Variable	Variable	Variable	Variable
Mast guard	Wire mesh screen	Wire mesh screen	Wire mesh screen	Safety glass windshield
Lights & fans	Standard	Optional	Optional	Standard
Battery state of charge w/lift interrupt	Standard	Standard	Standard	Standard
Motor control	Transistor	Transistor	Transistor	Transistor
CANbus technology	Standard	Standard (Proprietary)	Information Not Available	Standard
Continuous height sensing	Standard	Optional	Information Not Available	Standard
New Wire Guidance System for 6.25 or 5.25 kHz frequencies	Optional	Optional	Optional	Optional
Upgradeable from 24V to 36V	Optional	Optional	Information Not Available	Optional

*Max. size without Hi-Pro option

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