



**STRONG PARTNERS.  
TOUGH TRUCKS.™**

## **END RIDER SERIES**

**B60ZAC2, B60-80ZHD2**

**BRIGGS**®

EQUIPMENT MEXICO

[info@BriggsEquipmentMexico.com](mailto:info@BriggsEquipmentMexico.com)

55-9020-5042

# THE HYSTER® END RIDER


The speed of technological advancement is exponential. As a culture we're introduced to new and fantastic innovations in increasingly shorter intervals. Materials handling technology is no exception. Just how good is your ability to predict what you'll need in the future? Our answer – you don't have to. At Hyster Company, we integrate innovative technologies into our lift trucks so you can be better prepared for the future.

The Hyster End Rider Series embodies the future of materials handling. Available in single, double or triple pallet 6,000 and 8,000 lb. capacity, these revolutionary pallet trucks are engineered to take on demanding applications in a multitude of operating conditions. Armed with forward-thinking, innovative features, the Hyster End Rider leads the way.



B60ZAC2

B60-80ZHD2



**JUST HOW GOOD  
IS YOUR ABILITY  
TO PREDICT WHAT  
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# THE WORLD IS CHANGING FAST . . .

Can your current materials handling equipment keep up with an ever-changing, fast-paced, demanding environment?

We put ourselves in your application, talked to you and your operators, and tested our trucks against competitive models. After thorough research and planning, Hyster has gone above and beyond what you've typically seen in a pallet truck. We've designed the end rider with innovative and industry-exclusive features that will lead the way.



## PRECISION PICK

Precision pick allows you to precisely place the truck where you want it, controlling the speed and coast functions in both directions (forward and reverse) with the simple press of a button.



## POWER ASSIST STEERING

Optional Power Assist Steering provides smoother control and reduced effort over manual steering. Steer effort is reduced by up to 60%, helping to decrease operator fatigue and boost productivity throughout the shift.

# ... ARE YOU READY?



## EXTENDED OPERATOR PLATFORM

This optional platform provides over 30% more usable foot space than leading competitors for optimal foot positioning and comfort, helping reduce fatigue.



## ULTRA CUSHION

The optional Ultra Cushion is designed from military-grade materials to reduce shock and vibration up to 30%. The raised pattern of the floor mat is designed to maximize traction, and strategically placed drain holes are beneficial for wash-down applications.



## LED PLATFORM LIGHTS

Optional platform lights help give operators and pedestrians a heightened awareness of the truck location and platform edges in particular applications. Recessed within the bumper, the lights are encased in solid cast urethane for durability.



## LED FORK LIGHTS

Optional fork lights offer in-trailer illumination, assists pedestrian awareness, can reduce product damage and helps increase your bottom line.

## > **SETTING THE BAR FOR WAREHOUSE APPLICATIONS**

With the Hyster® End Rider Series, you'll be armed with intelligently designed technology to help make your operation run faster, leaner and more efficient in almost any application.

### **SHIFT ASSIST**

Shift Assist is a set of software features that allows an operator to better use the truck to improve efficiency and increase productivity - driven off of the shift button, just like on your keyboard - it's a shortcut to increased functionality to help you get more out of every shift.



#### **INTELLIGENT LIFT/LOWER**

Automatically fully raises/lowers forks with one touch. Shaves seconds off picks by enabling the operator to focus on the next task while the truck completes fully lifting/lowering.



#### **INTELLIGENT ACCELERATION**

Two distinct acceleration profiles based on application, load and task. Saves 1-4 seconds per movement by accessing the faster profile before loads are too high.



#### **INTELLIGENT SLOW DOWN™**

Automatically reduces speed in cornering for improved stability. Provides enhanced load stability and operator control, decreasing risk of product/load damage.



#### **INTELLIGENT CRUISE**

Cruise control system that allows the operator to set speed and relax wrist on long runs. Minimizes wrist/hand stress, allowing operator to focus on task at hand.



#### **PRECISION PICK**

Positions the operator farther away from the truck while picking to reduce the chances of incidental contact. One-touch, precise control of travel can shave seconds off picks and reduce steps.



#### **HYSTER TRACKER**

Provides a scalable solution for fleets, from monitoring truck utilization to limiting operator access. Hyster Tracker allows you to track your fleet at your fingertips.



#### **MULTIFUNCTION TOUCH FULL-COLOR DISPLAY**

Access functionality, software, diagnostic codes and similar interfaces.



#### **EXTENDED SHIFT**

Balances battery and shift life, allowing the truck to run longer between battery changes.

**BRIGGS**

EQUIPMENT MEXICO

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55-9020-5042



Did you know that the ergonomics of your materials handling equipment could have a direct effect on your company's bottom line? Workplace ergonomics is nothing new – it was a hot topic even in the last century. So you already know that workplace ergonomics can positively benefit your employees.

### STEER TILLER HANDLE

Soft touch, anti-slip texture allows firm grip even when wearing gloves. Large, centrally located horn, lift, and lower buttons are easily accessible from either side.



### CURVED STEER TILLER

Integrated scallop provides a comfortable interface for operators to position their leg when steering the truck with their body.



### CUSHIONED PLATFORM

Ample space on the front of the platform provides a strong foundation. The raised pattern of the cushion maximizes operator traction. Standard cushion provides 7% less shock and vibration than leading competitor.



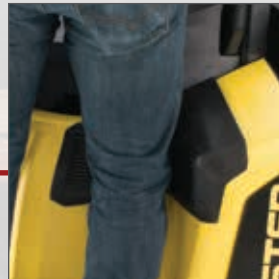
At Hyster, we've intentionally designed 6 points of operator contact, not just 5 like competitive models. Now your operators' can feel more comfortable and secure all shift long.

# 6 POINTS OF CONTACT



## REAR HAND RAIL

Quickly and efficiently pick a pallet using a single hand position. Simultaneously access dual horn buttons, lift/lower or high speed button.



## KNEE PAD

Contoured with venting and a unique waffle pattern to provide comfort and flexibility.



## FOOT WELL

Enter or exit easily with extra room provided by the foot well. Located under the motor cover, the foot well helps give the operator extra usable foot space.

## > DURABLE COMPONENTS. SIMPLIFIED SERVICEABILITY.

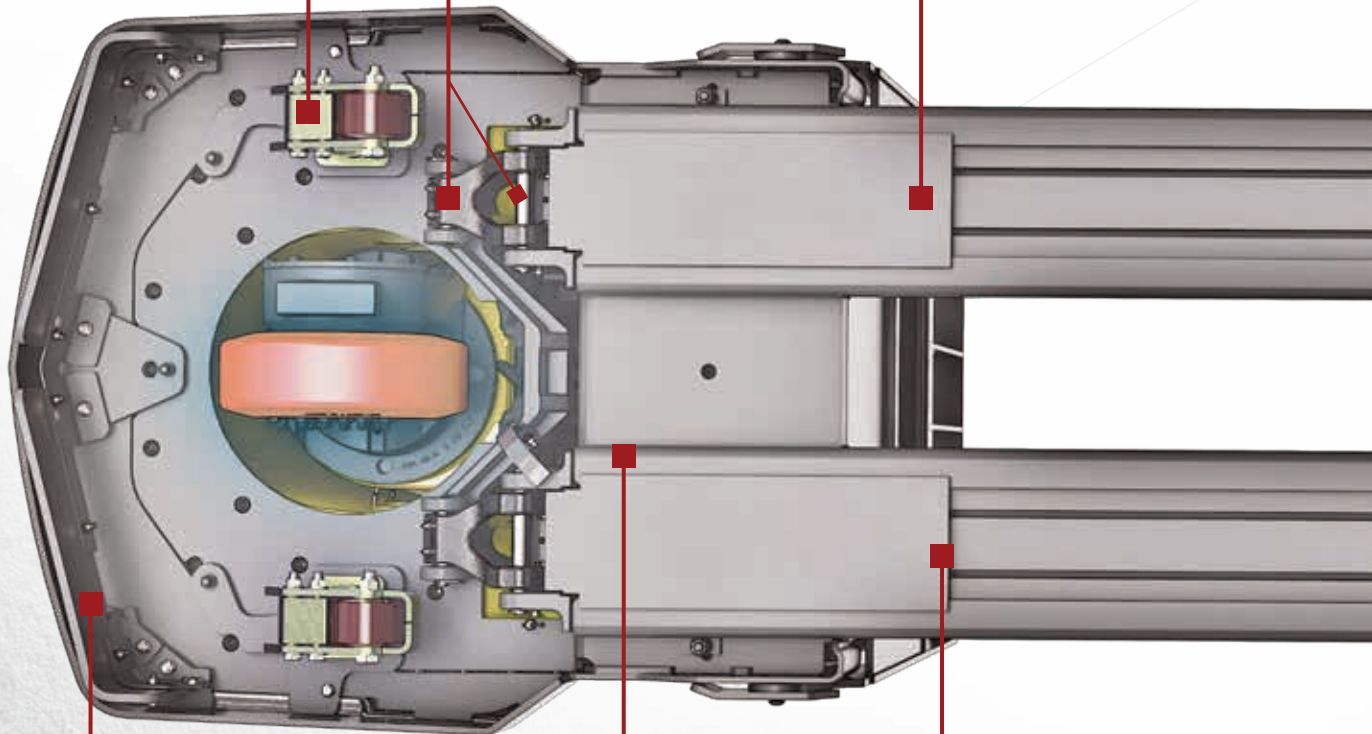
No matter your role, your reputation is always on the line. Day in and day out – you've got to keep things moving. How can you reduce the chances of that dreaded “my equipment is down” moment?

With reduced service times and increased service intervals, **this truck can be serviced faster and as much as 50% less often**, meaning less time out of service and more time moving product.

Springless, heavy duty casters resist damage from dock plates and are adjusted from the top of the truck, significantly reducing maintenance time.

Key lift linkage components are cast steel for maximum strength.

Frame and forks connect for reduced twist and increased torsional stiffness.



Enhanced frame has more metal in all the right places for greater strength and steadier load handling.

Forks' connection with the battery box reduces strain on the undercarriage and linkage.

Reinforced undercarriage is protected against impacts.



Standard fork tip with entry skid bar  
(shown with optional extended fork tip)

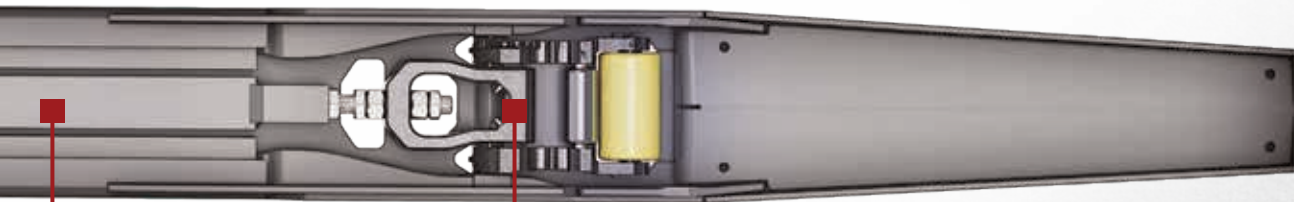
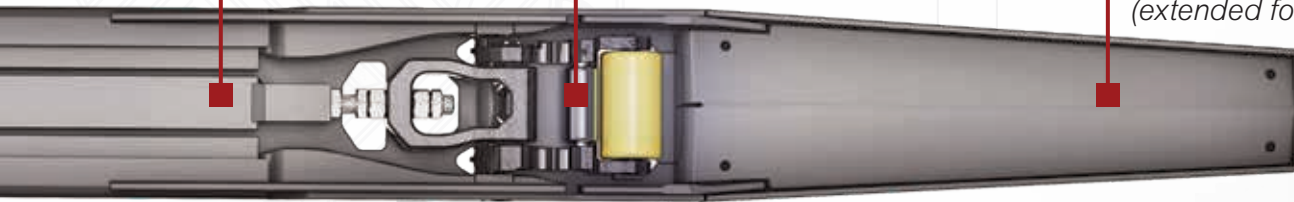


Standard fork tip with entry rollers  
(shown with optional extended fork tip)

Oversized pull rods tie linkage together for smooth lifting and lowering.

Increased exit roller size reduces pallets' tendency to drag.

Fork tips are specifically designed for smooth pallet entry. Increasing fork-pallet interlocking pressure by 500% allows for successful pallet exit on the first try.  
*(extended fork tips shown)*



A 50% increase in steel on standard forks and 75% increase on double pallet forks give this truck strength to lift the heaviest of loads. Single-piece casting reduces stress on the risers.

Lubrication points can be accessed with the truck on the floor and the battery in the battery box.

# INNOVATIVE TRUCKS ENGINEERED TO MEET THE MOST DEMANDING APPLICATIONS

For nearly 90 years, Hyster has conquered the world's most demanding applications. In the 1920s Hyster started as a manufacturer of lifting machines used in the rigorous logging industry of the United States' Pacific Northwest. A few years later the first forklift trucks were invented and the Hyster brand quickly gained its reputation for rugged quality. Hyster® lift trucks are designed to lower your cost of operations. Every truck we make — whether powered by gasoline, LPG, diesel, electric, CNG, lithium-ion or hydrogen fuel cells — is purpose-built to excel in its application. Every truck is also backed by an unmatched network of specialists.



**Dealer Network** — Our Dealer Network can offer the expertise of fleet managers, parts suppliers, capital procurement specialists and trainers. Carefully chosen dealers fully understand customer applications, assist in selecting the right lift truck and provide fast, reliable support.



**Hyster Fleet Services** — Even if you operate other brands, we can manage your maintenance and replacement plan. We can offer complete fleet analysis, fleet history summary and a cost-effective proposal for replacement and scheduled maintenance.



**Parts** — With genuine Hyster® replacement parts and UNISOURCE™ parts for all makes of lift trucks, we are your one-stop source for lift truck parts. In fact, we offer more than 7 million part number crosses for most brands of materials handling and other in-plant mobile equipment.



**Rental Products** — When leasing or buying isn't a practical option, we have access to more than 14,000 units for short- and long-term rental. We'll help you maintain output in a cost-effective manner.



**Hyster Capital** — We can arrange solutions for special financing requirements, taking the difficulties out of buying the equipment you need. Whether you purchase or lease a new or used lift truck, Hyster Capital offers superior service and competitive rates.



**Special Products Engineering Department (SPED)** — Different materials require different handling. That's why we can work with you to customize your lift trucks. From strobe lights to specially made forks, SPED has the tools to help you get the job done right.



**Operator Training** — Proper education in operating lift trucks minimizes the risk of injuries due to accidents while increasing productivity. Hyster offers OSHA-compliant materials that support the training of qualified operators.




**Service** — Your local Hyster® dealer offers a flexible, customized and comprehensive maintenance plan based on each lift truck's operation environment. Hyster service programs offer scheduled inspections and maintenance, along with quick, responsive service dispatched to your location.



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Part No. ENDRIDER/B  
1/2020 Litho in U.S.A.

Visit us online at [www.hyster.com](http://www.hyster.com) or call us at **1-800-HYSTER-1**.

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# END RIDER SERIES

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B60ZAC2

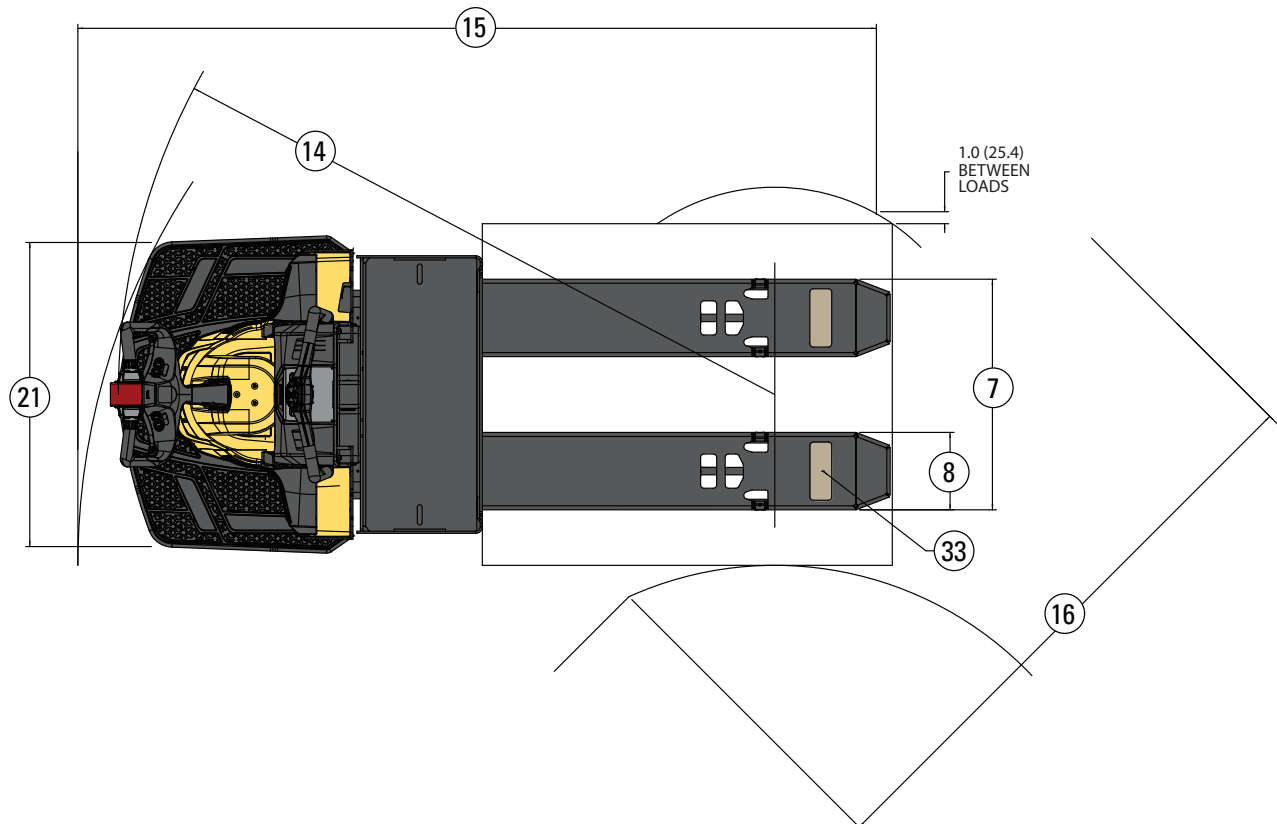
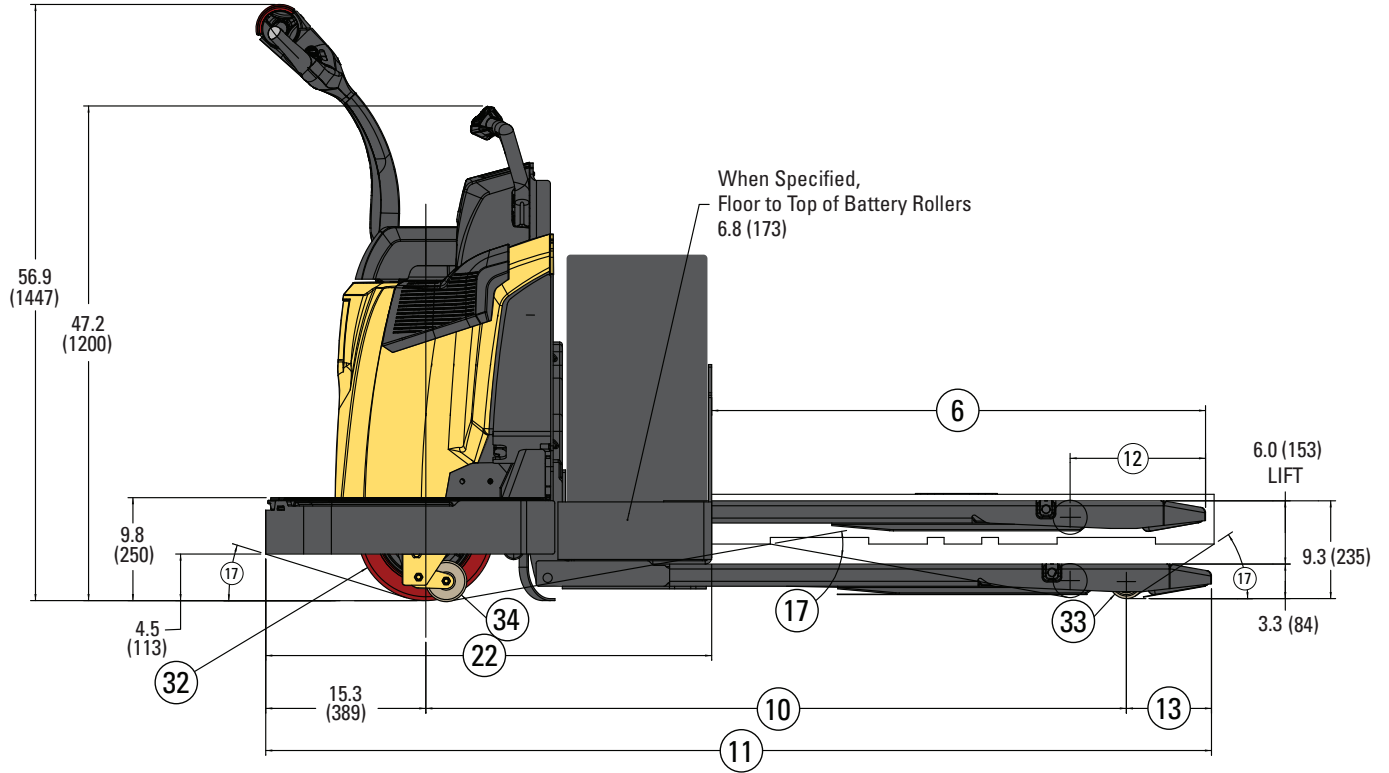


B60-80ZHD2



**END RIDER PALLET TRUCKS**  
**PRODUCT TECHNICAL GUIDE**

# B60ZAC2 DIMENSIONS



Circled dimensions correspond to the line numbers on the tabulated chart inside the technical guide. Dimensions are in inches (millimeters).

# B60ZAC2 SPECIFICATIONS

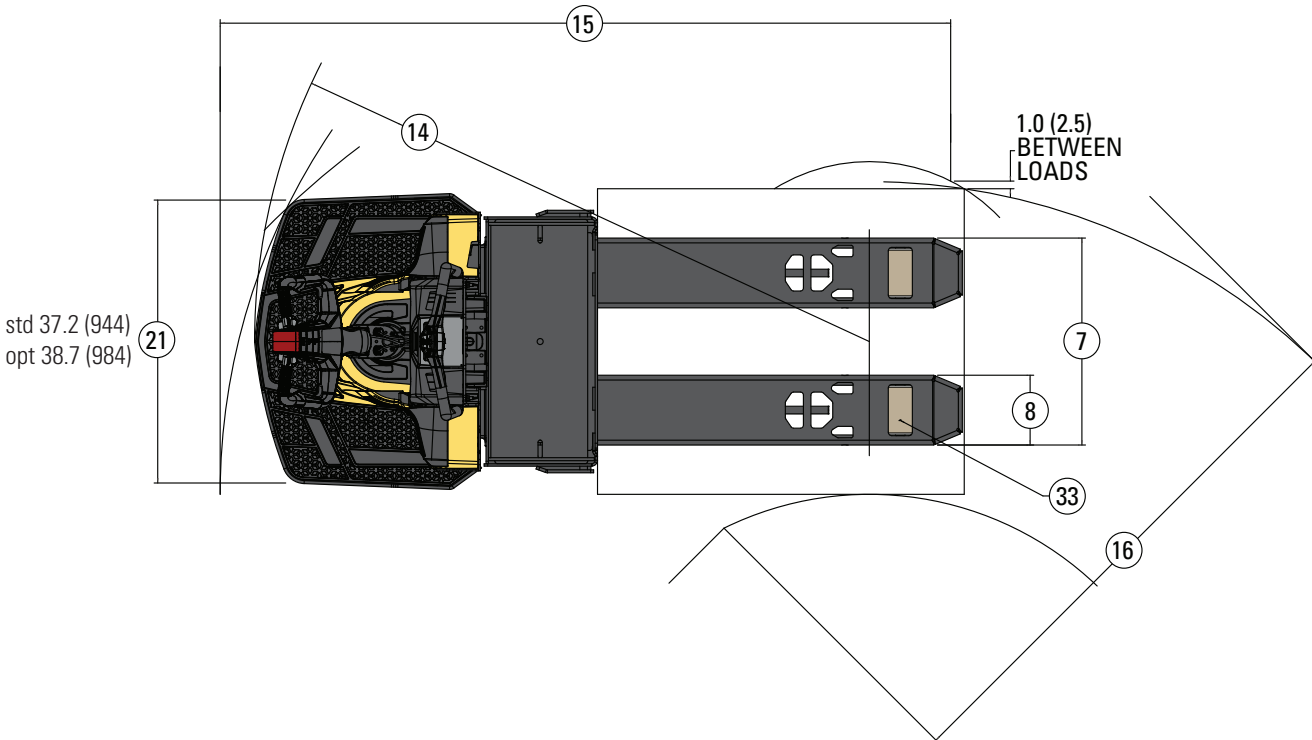
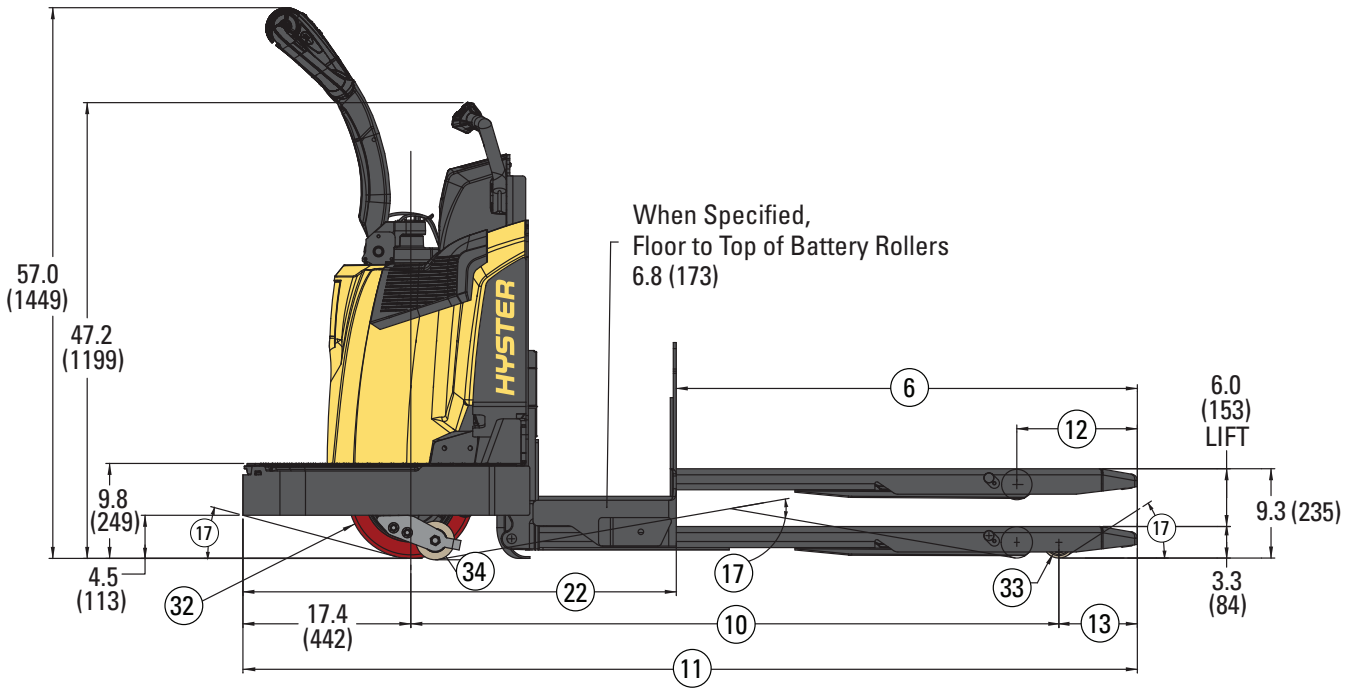
GENERAL	1	Manufacturer		HYSTER					
	2	Model designation		B60ZAC2					
	3	Power type		24-volt					
	4	Operator type		Stand ride					
	5	Rated capacity		6000 (2722)					
DIMENSIONS	6	Fork length	Nominal	in (mm)	36 (914)	42 (1067)	48 (1219)	54 (1372)	60 (1524)
			Actual	in (mm)	35.7 (908)	41.8 (1061)	47.8 (1213)	53.7 (1365)	59.8 (1518)
	7	Fork overall width		in (mm)	27.1 (688)				
	8	Fork width	Individual fork	in (mm)	9.1 (232)				
	9	Load distance (face of battery box to center of load wheels)	Raised	in (mm)	23.3 (591)	29.3 (744)	35.3 (896)	41.3 (1048)	47.3 (1201)
			Lowered	in (mm)	27.6 (702)	33.6 (854)	39.6 (1007)	45.6 (1159)	51.7 (1312)
	10	Wheelbase	Raised	in (mm)	53.3 (1353)	59.3 (1505)	65.3 (1658)	71.3 (1810)	77.2 (1962)
			Lowered	in (mm)	57.1 (1450)	63.1 (1602)	69.1 (1755)	75.1 (1907)	81.1 (2060)
	11	Overall length	Raised	in (mm)	79.1 (2008)	85.0 (2160)	91.1 (2313)	97.0 (2465)	103.1 (2618)
			Lowered	in (mm)	78.5 (1995)	84.5 (2147)	90.6 (2300)	96.5 (2452)	102.5 (2604)
	12	Center of load wheel to tip of forks	Raised	in (mm)	12.5 (317)				
	13		Lowered	in (mm)	8.1 (206)				
	14	Outside turning radius	Raised	in (mm)	66.7 (1694)	72.7 (1846)	78.7 (1999)	84.7 (2152)	90.7 (2304)
	14a		Lowered	in (mm)	70.5 (1791)	76.5 (1943)	82.5 (2096)	88.5 (2249)	94.5 (2401)
	15	Right angle stack	Raised	in (mm)	83.6 (2124)	N/A	94.1 (2391)	N/A	N/A
	16	Equal intersecting aisle	Raised	in (mm)	63.0 (1599)	N/A	69.2 (1758)	N/A	N/A
	17	Grade clearance	Chassis	%	28				
			Center of wheelbase	%	38	34	31	30	27
			Forks	%	37				
	18	Overall lift height	Top of forks	in (mm)	9.3 (235)				
	19	Lowered height	Top of forks	in (mm)	3.3 (84)				
	20	Total lift		in (mm)	5.9 (151)				
	21	Truck overall width		in (mm)	37.2 (944)				
22	Chassis length	Raised	in (mm)	43.3 (1100)					
		Lowered	in (mm)	42.8 (1087)					
23	Battery compartment (standard/with battery rollers)			32.0 x 13.4 x open (813 x 340 x open)					
24	Max. Travel speed - chassis first	No load/rated load	mph (kph)	9.0/6.7 (14.5/10.8)					
25	Max. Travel speed - forks first	No load/rated load	mph (kph)	6.0/6.0 (9.7/9.7)					
26	Number of speeds			Infinitely variable					
27	Traction motor control method	Type		AC transistor					
28	Service brake	Type		Electro-mechanical					
WT.	29	Truck weight (approx.) w/o battery	No load	lb (kg)	1382 (627)	1433 (650)	1481 (672)	1523 (691)	1567 (711)
			Rated load	lb (kg)	7382 (3349)	7433 (3372)	7481 (3394)	7523 (3413)	7567 (3433)
	30	Axle loading - drive: static with max. wt. battery (no load)		lb (kg)	1735 (787)	1828 (829)	1907 (865)	2002 (908)	2094 (950)
31	Axle loading - load wheels (combined): static w/maximum wt. battery (no load)		lb (kg)	802 (364)	754 (342)	719 (326)	670 (304)	622 (282)	
WHEELS	32	Drive tire - size/type (number of wheels)		in	10" x 4" x 7.5"/polyurethane (1)				
	33	Load wheel: size/type (no. of wheels) (no. of bearings)		in	3.25" x 6.5"/polyurethane (2) (4)				
	34	Caster wheel: size/type (no. of wheels) caster type		in	4.0' x 2.5"/polyurethane (2) urethane block loaded				
BATTERY	35	Battery type	Type	Lead acid   Thin Plate Pure Lead*   Lithium-ion*					
	36	Ampere hours - maximum		ah	930				
	37	Ampere hours - minimum		ah	375				
	38	Maximum weight		lb (kg)	1500 (680)				
	39	Minimum weight		lb (kg)	540 (245)				

\* Optional with Hyster Power Collect™

**NOTE:** Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.

**CERTIFICATION:** Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Performance specifications are for a truck equipped as described under standard equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# B60-80ZHD2 DIMENSIONS



Optional extended operator platform is depicted above.

Circled dimensions correspond to the line numbers on the tabulated chart inside the technical guide. Dimensions are in inches (millimeters).

# B60ZHD2 SPECIFICATIONS

GENERAL	1	Manufacturer		HYSTER										
	2	Model designation		B60ZHD2										
	3	Power type		24-volt										
	4	Operator type		Stand ride										
	5	Rated capacity		lb (kg)	6000 (2722)									
DIMENSIONS	6	Fork length	Nominal	in (mm)	36 (914)	42 (1067)	48 (1219)	54 (1372)	60 (1524)	84 (2134)	93 (2362)	96 (2438)		
			Actual	in (mm)	35.7 (908)	41.8 (1061)	47.8 (1213)	53.7 (1365)	59.8 (1518)	83.8 (2128)	92.8 (2357)	95.8 (2433)		
	7	Fork overall width		in (mm)	27.1 (688)						28.0 (710)			
	8	Fork width	Individual fork	in (mm)	9.1 (232)						10.0 (254)			
	9	Load distance (face of battery box to center of load wheels)	Raised	in (mm)	23.3 (591)	29.3 (744)	35.3 (896)	41.3 (1048)	47.3 (1201)	56.3 (1430)				
			Lowered	in (mm)	27.6 (702)	33.6 (854)	39.6 (1007)	45.6 (1159)	51.7 (1312)	60.6 (1540)				
	10	Wheelbase	Raised	in (mm)	51.3 (1303)	57.3 (1455)	63.3 (1608)	69.3 (1760)	75.3 (1912)	84.3 (2141)				
			Lowered	in (mm)	55.3 (1400)	61.1 (1552)	67.1 (1705)	73.1 (1857)	79.1 (2010)	88.1 (2238)				
	11	Overall length	Raised	in (mm)	81.1 (2061)	87.1 (2213)	93.1 (2366)	99.1 (2518)	105.2 (2671)	129.1 (3280)	138.1 (3509)	141.1 (3585)		
			Lowered	in (mm)	80.6 (2048)	86.6 (2200)	92.6 (2353)	98.6 (2505)	104.6 (2657)	128.6 (3267)	137.6 (3496)	140.6 (3572)		
	12	Center of load wheel to tip of forks	Raised	in (mm)	12.5 (317)						27.5 (697)	36.5 (927)	39.5 (1002)	
			Lowered	in (mm)	8.1 (206)						23.1 (588)	32.2 (817)	35.1 (892)	
	14	Outside turning radius (standard platform)	Raised	in (mm)	66.7 (1694)	72.7 (1846)	78.7 (1999)	84.7 (2152)	90.7 (2304)	99.7 (2533)				
			Lowered	in (mm)	70.5 (1791)	76.5 (1943)	76.7 (1947)	88.5 (2249)	94.5 (2401)	103.5 (2630)				
	14a	Outside turning radius (extended platform)	Raised	in (mm)	68.8 (1747)	74.8 (1899)	80.8 (2052)	86.8 (2205)	92.8 (2357)	101.8 (2586)				
			Lowered	in (mm)	72.6 (1844)	78.6 (1996)	78.7 (2000)	90.6 (2302)	96.6 (2454)	105.6 (2683)				
	15	Right angle stack (standard platform)	Raised	in (mm)	80.2 (2037)	N/A	91.8 (2332)	N/A	N/A	143.1 (3636)				
	15a	Right angle stack (extended platform)	Raised	in (mm)	81.6 (2073)	N/A	93.8 (2382)	N/A	N/A	144.9 (3681)				
	16	Equal intersecting aisle (standard platform)	Raised	in (mm)	61.5 (1563)	N/A	68.9 (1750)	N/A	N/A	75.7 (1924)				
	16a	Equal intersecting aisle (extended platform)	Raised	in (mm)	63.0 (1599)	N/A	70.3 (1786)	N/A	N/A	76.8 (1950)				
17	Grade clearance	Chassis	%	27										
		Center of wheelbase	%	38	34	31	30	27	22					
		Forks	%	37						17	13	12		
18	Overall lift height	Top of forks	in (mm)	9.3 (235)										
19	Lowered height	Top of forks	in (mm)	3.3 (84)										
20	Total lift		in (mm)	5.9 (151)										
21	Truck overall width	Standard platform	in (mm)	37.2 (944)										
		Extended platform	in (mm)	38.7 (964)										
22	Chassis length	Raised	in (mm)	45.4 (1153)										
		Lowered	in (mm)	44.9 (1140)										
23	Battery compartment (standard/with battery rollers)			32.0 x 13.4 x open (813 x 340 x open)										
PERFORMANCE	24	Max. travel speed - chassis first	No load/rated load	mph (kph)	9.0/6.7 (14.5/10.8)									
	25	Max. travel speed - forks first	No load/rated load	mph (kph)	6.0/6.0 (9.7/9.7)									
	26	Number of speeds			Infinitely variable									
	27	Traction motor control method	Type		AC transistor									
28	Service brake	Type		Electro-mechanical										
WT.	29	Truck weight (approx.) w/o battery	No load	lb (kg)	1382 (627)	1433 (650)	1481 (672)	1523 (691)	1567 (711)	1687 (765)	1742 (790)	1772 (804)		
			Rated load	lb (kg)	7382 (3349)	7433 (3372)	7481 (3394)	7523 (3413)	7567 (3433)	7687 (3487)	7742 (3512)	7772 (3526)		
	30	Axle loading - drive: static with max. wt. battery (no load)		lb (kg)	1735 (787)	1828 (829)	1907 (865)	2002 (908)	2094 (950)	2200 (998)	2253 (1022)	2299 (1043)		
31	Axle loading - load wheels (combined): static w/maximum wt. battery (no load)		lb (kg)	802 (364)	754 (342)	719 (326)	670 (304)	622 (282)	633 (287)	635 (288)	622 (282)			
WHEELS	32	Drive tire: size/type (number of wheels)		in	13" x 4.5" x 9"/polyurethane (1)									
	33	Load wheel: size/type (no. of wheels) (no. of bearings)		in	3.25" x 6.5"/polyurethane (2) (4)									
34	Caster wheel: size/type (no. of wheels) caster type		in	4.0' x 2.5"/polyurethane (2) urethane block loaded										
BATTERY	35	Battery	Type		Lead acid   Thin Plate Pure Lead*   Lithium-ion*									
	36	Ampere hours - maximum		ah	930									
	37	Ampere hours - minimum		ah	375									
	38	Maximum weight		lb (kg)	1500 (680)									
	39	Minimum weight		lb (kg)	540 (245)									

\* Optional with Hyster Power Collect™

**NOTE:** Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.

**CERTIFICATION:** Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Performance specifications are for a truck equipped as described under standard equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# B80ZHD2 SPECIFICATIONS

GENERAL				HYSTER				
1	Manufacturer			HYSTER				
2	Model designation			B80ZHD2				
3	Power type			24 volt				
4	Operator type			Stand ride				
5	Rated capacity			8000 (3629)				
6	Fork length	Nominal	lb (kg)	36 (914)	42 (1067)	48 (1219)	54 (1372)	60 (1524)
		Actual	in (mm)	35.7 (908)	41.8 (1061)	47.8 (1213)	53.7 (1365)	59.8 (1518)
7	Fork overall width			27.1 (688)				
8	Fork width	Individual fork	in (mm)	9.1 (232)				
9	Load distance (face of battery box to center of load wheels)	Raised	in (mm)	23.3 (591)	29.3 (744)	35.3 (896)	41.3 (1048)	47.3 (1201)
		Lowered	in (mm)	27.6 (702)	33.6 (854)	39.6 (1007)	45.6 (1159)	51.7 (1312)
10	Wheelbase	Raised	in (mm)	51.3 (1303)	57.3 (1455)	63.3 (1608)	69.3 (1760)	75.3 (1912)
		Lowered	in (mm)	55.3 (1400)	61.1 (1552)	67.1 (1705)	73.1 (1857)	79.1 (2010)
11	Overall length	Raised	in (mm)	81.1 (2061)	87.1 (2213)	93.1 (2366)	99.1 (2518)	105.2 (2671)
		Lowered	in (mm)	80.6 (2048)	86.6 (2200)	92.6 (2353)	98.6 (2505)	104.6 (2657)
12	Center of load wheel to tip of forks	Raised	in (mm)	12.5 (317)				
13		Lowered	in (mm)	8.1 (206)				
14	Outside turning radius (standard platform)	Raised	in (mm)	66.7 (1694)	72.7 (1846)	78.7 (1999)	84.7 (2152)	90.7 (2304)
		Lowered	in (mm)	70.5 (1791)	76.5 (1943)	76.7 (1947)	88.5 (2249)	94.5 (2401)
14a	Outside turning radius (extended platform)	Raised	in (mm)	68.8 (1747)	74.8 (1899)	80.8 (2052)	86.8 (2205)	92.8 (2357)
		Lowered	in (mm)	72.6 (1844)	78.6 (1996)	78.7 (2000)	90.6 (2302)	96.6 (2454)
15	Right angle stack (standard platform)	Raised	in (mm)	80.2 (2037)	N/A	91.8 (2332)	N/A	N/A
15a	Right angle stack (extended platform)	Raised	in (mm)	81.6 (2073)	N/A	93.8 (2382)	N/A	N/A
16	Equal intersecting aisle (standard platform)	Raised	in (mm)	61.5 (1563)	N/A	68.9 (1750)	N/A	N/A
16a	Equal intersecting aisle (extended platform)	Raised	in (mm)	63.0 (1599)	N/A	70.3 (1786)	N/A	N/A
17	Grade clearance	Chassis	%	27				
		Center of wheelbase	%	38	34	31	30	27
		Forks	%	37				
18	Overall lift height	Top of forks	in (mm)	9.3 (235)				
19	Lowered height	Top of forks	in (mm)	3.3 (84)				
20	Total lift		in (mm)	5.9 (151)				
21	Truck overall width	Standard platform	in (mm)	37.2 (944)				
		Extended platform	in (mm)	38.7 (984)				
22	Chassis length	Raised	in (mm)	45.4 (1153)				
		Lowered	in (mm)	44.9 (1140)				
23	Battery compartment (standard/with battery rollers)			32.0 x 13.4 x open (813 x 340 x open)				
24	Max. travel speed - chassis first	No load/rated load	mph (kph)	9.0/6.0 (14.5/9.7)				
25	Max. travel speed - forks first	No load/rated load	mph (kph)	6.0/6.0 (9.7/9.7)				
26	Number of speeds			Infinitely variable				
27	Traction motor control method	Type		AC transistor				
28	Service brake	Type		Electro-mechanical				
29	Truck weight (approx.) w/o battery	No load	lb (kg)	1444 (655)	1495 (678)	1539 (698)	1585 (719)	1629 (739)
		Rated load	lb (kg)	9444 (4284)	9495 (4307)	9539 (4327)	9585 (4348)	9629 (4368)
30	Axle loading - drive: static with max. wt. battery (no load)		lb (kg)	1858 (843)	1878 (852)	1960 (889)	2055 (932)	2147 (974)
31	Axle loading - load wheels (combined): static w/maximum wt. battery (no load)		lb (kg)	732 (332)	754 (342)	719 (326)	670 (304)	622 (282)
32	Drive tire: size/type (number of wheels)			13" x 4.5" x 9"/polyurethane (1)				
				3.25" x 6.5"/polyurethane (2) (4)				
34	Caster wheel: size/type (no. of wheels) caster type			4.0' x 2.5"/polyurethane (2) urethane block loaded				
35	Battery	Type		Lead acid   Thin Plate Pure Lead*   Lithium-ion*				
36	Ampere hours - maximum		ah	930				
37	Ampere hours - minimum		ah	375				
38	Maximum weight		lb (kg)	1500 (680)				
39	Minimum weight		lb (kg)	540 (245)				

\* Optional with Hyster Power Collect™

**NOTE:** Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.

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# B80ZHD2 SPECIFICATIONS

GENERAL	1	Manufacturer		HYSTER					
	2	Model designation		B80ZHD2					
	3	Power type		24 volt					
	4	Operator type		Stand ride					
	5	Rated capacity		lb (kg)	8000 (3629)				
	6	Fork length	Nominal	in (mm)	84 (2134)	93 (2362)	96 (2438)	144 (3658)	
			Actual	in (mm)	83.8 (2128)	92.8 (2357)	95.8 (2433)	143.8 (3652)	
	7	Fork overall width		in (mm)	28.0 (710)			28.0 (710)	
	8	Fork width	Individual fork	in (mm)	10.0 (254)			10.0 (254)	
	9	Load distance (face of battery box to center of load wheels)	Raised	in (mm)	56.3 (1430)			104.3 (2649)	83.9 (2131)
Lowered			in (mm)	60.6 (1540)			108.6 (2759)	87.7 (2228)	
10	Wheelbase	Raised	in (mm)	84.3 (2141)			132.3 (3360)	111.4 (2829)	
		Lowered	in (mm)	88.1 (2238)			136.1 (3457)	115.2 (2926)	
11	Overall length	Raised	in (mm)	129.1 (3280)	138.1 (3509)	141.1 (3585)	189.1 (4804)		
		Lowered	in (mm)	128.6 (3267)	137.6 (3496)	140.6 (3572)	188.6 (4791)		
12	Center of load wheel to tip of forks	Raised	in (mm)	27.5 (698)	36.5 (927)	39.5 (1003)		59.9 (1521)	
		Lowered	in (mm)	23.1 (588)	32.2 (817)	35.2 (893)		56.1 (1424)	
14	Outside turning radius (standard platform)	Raised	in (mm)	99.7 (2533)			N/A	N/A	
		Lowered	in (mm)	103.5 (2630)			N/A	N/A	
14a	Outside turning radius (extended platform)	Raised	in (mm)	101.8 (2586)			149.8 (3805)	128.9 (3274)	
		Lowered	in (mm)	105.6 (2683)			153.6 (3902)	132.7 (3371)	
15	Right angle stack (standard platform)		Raised	in (mm)	143.1 (3636)			N/A	N/A
15a	Right angle stack (extended platform)		Raised	in (mm)	144.9 (3681)			188.2 (4780)	190.7 (4877)
16	Equal intersecting aisle (standard platform)		Raised	in (mm)	75.7 (1924)			N/A	N/A
16a	Equal intersecting aisle (extended platform)		Raised	in (mm)	76.8 (1950)			109.8 (2790)	101.6 (2580)
17	Grade clearance	Chassis	%	27					
		Center of wheelbase	%	22			14	17	
		Forks	%	17	13	12		8	
18	Overall lift height	Top of forks	in (mm)	9.3 (235)					
19	Lowered height	Top of forks	in (mm)	3.3 (84)					
20	Total lift		in (mm)	5.9 (151)					
21	Truck overall width	Standard platform	in (mm)	37.2 (944)					
		Extended platform	in (mm)	38.7 (984)					
22	Chassis length	Raised	in (mm)	45.4 (1153)					
		Lowered	in (mm)	44.9 (1140)					
23	Battery compartment (standard/with battery rollers)		32.0 x 13.4 x open (813 x 340 x open)						
24	Max. travel speed - chassis first	No load/rated load	mph (kph)	9.0/6.0 (14.5/9.7)					
25	Max. travel speed - forks first	No load/rated load	mph (kph)	6.0/6.0 (9.7/9.7)					
26	Number of speeds		Infinitely variable						
27	Traction motor control method	Type	AC transistor						
28	Service brake	Type	Electro-mechanical						
29	Truck weight (approx.) w/o battery	No load	lb (kg)	1748 (793)	1803 (818)	1834 (832)	2198 (997)	2178 (988)	
		Rated load	lb (kg)	9748 (4422)	9803 (4447)	9834 (4461)	10198 (4626)	10178 (4617)	
30	Axle loading - drive: static with max. wt. battery (no load)		lb (kg)	2255 (1023)	2308 (1047)	2357 (1069)	2668 (1210)		
31	Axle loading - load wheels (combined): static w/maximum wt. battery (no load)		lb (kg)	633 (287)	635 (288)	622 (282)	661 (300)		
WHEELS	32	Drive tire: size/type (number of wheels)		13" x 4.5" x 9"/polyurethane (1)					
	33	Load wheel: size/type (no. of wheels) (no. of bearings)		3.25" x 6.5"/polyurethane (2) (4)					
	34	Caster wheel: size/type (no. of wheels) caster type		4.0' x 2.5"/polyurethane (2) urethane block loaded					
BATTERY	35	Type		Lead acid   Thin Plate Pure Lead*   Lithium-ion*					
	36	Ampere hours - maximum		930					
	37	Ampere hours - minimum		375					
	38	Maximum weight		1500 (680)					
	39	Minimum weight		540 (245)					

\* Optional with Hyster Power Collect™

**NOTE:** Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.


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# B60ZAC2 | B60-80ZHD2 FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
24-volt AC transistor control electrical system	x	
AC traction motor	x	
4 operator selectable, programmable performance modes	x	
High performance and extended shift feature	x	
ADS (Auto Deceleration System) with regenerative braking	x	
Ergonomic rear hand rail with Intelligent Shift Functions:		
– Intelligent Lift		x
– Intelligent Lower		x
– Intelligent Acceleration		x
– Intelligent Cruise		x
– Hyster Intelligent Slow Down™		x
Intelligent coast control with Slide Glide™		x
Manual coast control with Slide Glide™		x
DRIVE	STD	OPT
Drive tire (B60ZAC2)		
– 85 durometer, 10" x 4.0" smooth red polyurethane	x	
– 91 durometer, 10" x 4.0" smooth polyurethane		x
– 93 durometer, 10" x 4.0" super smooth polyurethane		x
Drive tire (B60-80ZHD2)		
– 85 durometer, 13" x 4.5" smooth red polyurethane	x	
– 85 durometer, 13" x 4.5" grooved red polyurethane		x
– 91 durometer, 13" x 4.5" smooth polyurethane		x
– 93 durometer, 13" x 4.5" super smooth polyurethane		x
Load wheels		
– Single, 3.25" x 6.5" polyurethane	x	
– Single and dual		x
– 2 bearing and 4 bearing		x
– Standard bearing and sealed bearing		x
Casters (B60ZAC2)		
– Spring loaded, 4" x 2.5" polyurethane wheel	x	
– Heavy duty – greaseable wheel		x
– Heavy duty – sealed wheel		x
Casters 4" x 2.5" (B60ZHD2)		
– Spring loaded, polyurethane wheel	x	
– Heavy duty – urethane block loaded greaseable wheel		x
– Heavy duty – urethane block loaded sealed wheel		x
Casters 4" x 2.5" (B80ZHD2)		
– Heavy duty – urethane block loaded greaseable wheel	x	
– Heavy duty – urethane block loaded sealed wheel		x
Manual steering	x	
Power assist steering		x
LIFT	STD	OPT
Long life lift linkage with lubrication fittings		
– "X" groove style greaseable pivot bushings (B60ZAC2)	x	
Heavy duty, long life lift linkage with lubrication fittings		
– "X" groove style greaseable pivot bushings	x	
– 1" hardened, bolt retained flag pins		
Integrated "soft start" transistor lift pump control	x	
Fork lengths (B60ZAC2)		
– 48" long forks – standard tip	x	
– 36" – standard tip		x
– 42" – standard tip		x
– 60" – standard tip		x
Fork lengths (B60-80ZHD2)		
– 48" long forks – standard tip	x	
– 36" – standard tip		x
– 42" – standard tip		x
– 54" – standard tip		x
– 60" – standard tip		x
– 96" – standard tip (B60ZHD2 only)		x
– 84" – extended tip		x
– 93" – extended tip		x
– 96" – extended tip		x
– 144" – extended tip (B80ZHD2 only)		x
– 144" – short wheelbase extended tip (B80ZHD2 only)		x
Pallet exit rollers	x	
Pallet exit rollers and runners/entry blades or skids (B60-80ZHD2)	x	
Knock-out load wheel axles	x	
Boxed fork construction with reinforced fork tips	x	

LIFT (continued)	STD	OPT
Flush pallet stop	x	
27" fork spread (B60ZHD2)	x	
28" fork spread (B80ZHD2)		x
Load backrest		
– 48" high (pivoting or bolt-on)		x
– 60" high (pivoting or bolt-on)		x
– 72" high (bolt-on)		x
ERGONOMICS	STD	OPT
Ergonomic rear hand rail	x	
Composite handle with butterfly travel control (optional for B60-80ZHD2)	x	
Ergonomically designed, impact resistant, combination butterfly rotary control handle (optional for B60ZAC2)	x	
Cushioned operator platform	x	
Ultra platform cushion (B60-80ZHD2)		x
OPERATION	STD	OPT
Multifunction full-color touch display		
– Battery state of charge		
– Hour meter	x	
– Low battery lift interrupt		
– Performance mode indicator		
– Fault indicator		
Electro-mechanical park brake	x	
Electronic horn	x	
On-board software		
– Program, test and diagnose		
– No handset required	x	
– Password protected		
Convenience tray (load backrest mounted or battery mounted)		x
RF terminal power supply – 24-volt		x
Audible alarm		x
Visible alarm – pole mounted amber strobe		x
Blue LED spotlight		x
White rubber platform markers	x	
LED platform lights		x
LED fork lights		x
Stretch film roll holder		x
Operator fan		x
Bumper extension guard		x
Data terminal mount		x
Dual USB ports		x
12-volt DC outlet		x
CONSTRUCTION	STD	OPT
UL Classification "E"	x	
UL Classification "EE" (B60-80ZHD2)		x
Application/environmental construction		
– Standard construction operating temperatures: +32°F to 120°F	x	
– Cooler/Freezer Package - Operating temps: 0°F to +120°F		x
– SUBZERO Freezer Package - Operating temps: -40°F to +120°F		x
– Wash down package: operating temps: 0°F to +120°F (B60-80ZHD2)		x
– Extreme corrosion wash down package: operating temps: 0°F to +120°F (B60-80ZHD2)		x
37.2" operator platform	x	
38.7" extended operator platform (B60-80ZHD2)		x
Key ignition switch	x	
Key ignition switch with touch screen password access		x
Keyless toggle start switch		x
Keyless toggle start switch with touch screen password access		x
32.0" x 13.4" open battery compartment	x	
Battery rollers		x
ENERGY SYSTEM	STD	OPT
Set for flooded cell	x	
Set for maintenance free		x
Hyster Power Collect™		x
SUPPLEMENTAL	STD	OPT
Operating manual and labels – English	x	
Parts manual - printed or CD		x
12 month/unlimited hours full truck warranty	x	
3 years/6,000 hour powertrain warranty	x	
Lifetime frame warranty	x	
5 year 10,000 hour part a comprehensive parts and labor warranty		x
5 year 10,000 hour part b powertrain parts and labor no deduct warranty		x



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