# END RIDER SERIES

## END RIDER PALLET TRUCKS PRODUCT TECHNICAL GUIDE

B60-80ZHD2



B60ZAC2

AVASTER

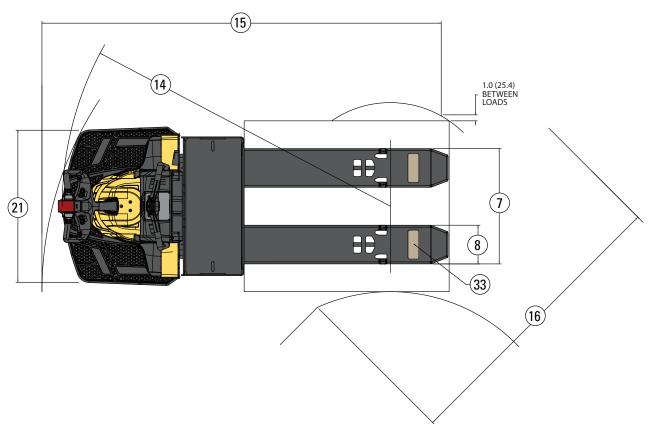
WWW.HYSTER.COM

## When Specified, Floor to Top of Battery Rollers 6.8 (173) 56.9 (1447) 47.2 (1200) 9.8 (250) 0 6.5

15.3 (389)

(34)

22



6

(17)

(10)

(11)

6.0 (153)

LIFT

3.3 (84)

Ð

9.3 (235)

(12)

(13)

(33)

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

### **B60ZAC2 DIMENSIONS**

4.5 -(113)

(32)

#### **B60ZAC2 SPECIFICATIONS**

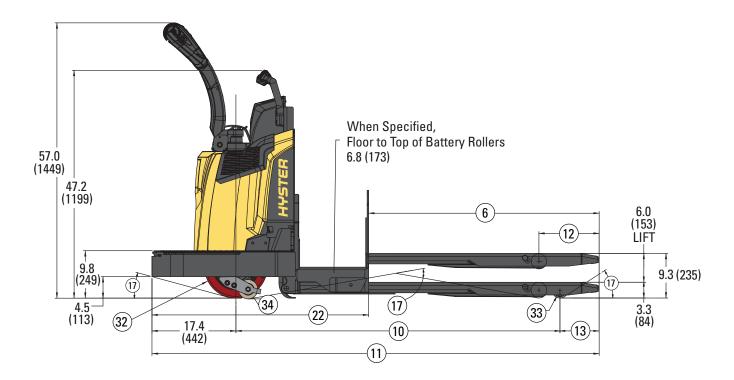
	1	Manufacturer		HYSTER							
GENERAL	2	Model designation		B60ZAC2							
ENE	3	Power type		24-volt							
9	4	Operator type				Stand ride					
	5	Rated capacity		lb (kg)		l.	6000 (2722)				
	6	Fork length	Nominal	in (mm)	36 (914)	42 (1067)	48 (1219)	54 (1372)	60 (1524)		
			Actual	in (mm)	35.7 (908)	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)		
	Ľ		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)				
SNC	13		Lowered	in (mm)			8.1 (206)				
DIMENSIONS	14	Outside turning radius	Raised	in (mm)	66.7 (1694)	72.7 (1846)	78.7 (1999)	84.7 (2152)	90.7 (2304)		
IME	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		
		Grade clearance	Chassis	%			28				
	17		Center of wheelbase	%	38	34	31	30	27		
			Forks	%			37				
	18	Overall lift height	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 roll	lers)		32.0 x 13.4 x open (813 x 340 x open)						
щ	24	Max. Travel speed - chassis first	No load/rated load	mph (kph)			9.0/6.7 (14.5/10.8)				
ERFORMANCE	25	Max. Travel speed - forks first	No load/rated load	mph (kph)			6.0/6.0 (9.7/9.7)				
ORIV	26	Number of speeds					Infinitely variable				
	27	Traction motor control method	Туре				AC transistor				
•	28	Service brake	Туре				Electro-mechanical				
	29	Truck weight (approx.) w/o battery	No load	lb (kg)	1382 (627)	1433 (650)	1481 (672)	1523 (691)	1567 (711)		
	25		Rated load	lb (kg)	7382 (3349)	7433 (3372)	7481 (3394)	7523 (3413)	7567 (3433)		
WT.	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)		
ST	32	Drive tire - size/type (number of wheels)		in		10" x	4" x 7.5"/polyuretha	ine (1)			
WHEELS	33	Load wheel: size/type (no. of wheels) (no. of be		in		3.25"	x 6.5"/polyurethane	(2) (4)			
3	34	Caster wheel: size/type (no. of wheels) caster ty		in		4.0' x 2.5"/poly	rurethane (2) uretha	ne block loaded			
	35	Battery type	Туре			Lead acid   Th	in Plate Pure Lead*	Lithium-ion*			
RY	36	Ampere hours - maximum		ah			930				
BATTERY	37	Ampere hours - minimum		ah			375				
B	38	Maximum weight		lb (kg)			1500 (680)				
	39	Minimum weight	lb (kg)	540 (245)							

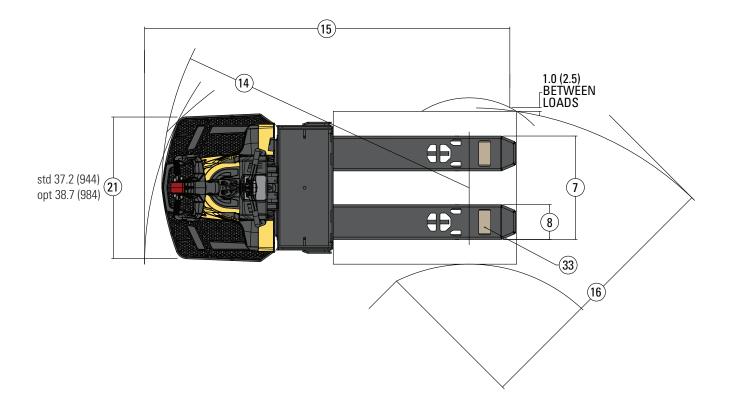
\* Optional with Hyster Power Cellect™

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**

	1	Manufacturer	HYSTER												
GENERAL		2 Model designation				B60ZHD2									
ENE	3 Power type					24-volt									
5	4	Operator type			Stand ride										
	5	Rated capacity		lb (kg)		1	1	1	(2722)	1		1			
	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)		1	9.1 (232)		1		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)				
	40	Wheelbase	Raised	in (mm)	51.3 (1303)	57.3 (1455)	63.3 (1608)	69.3 (1760)	75.3 (1912)		84.3 (2141)				
	10		Lowered	in (mm)	55.3 (1400)	61.1 (1552)	67.1 (1705)	73.1 (1857)	79.1 (2010)		88.1 (2238)				
		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)			
	11		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)			
	13		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)				
IONS	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)				
ISN			Lowered	in (mm)	72.6 (1844)	78.6 (1996)	78.7 (2000)	90.6 (2302)	96.6 (2454)		105.6 (2683)				
DIMENSIONS	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 Grade clearance	Raised Chassis	in (mm) %	63.0 (1599)	N/A	70.3 (1786)	N/A	N/A		76.8 (1950)				
	17		Center of wheelbase	%	38	34	31	30	27		22				
			Forks	%	00	70	37	00	21	17	13	12			
	18	Overall lift height	Top of forks	in (mm)			01	931	235)		10	12			
	19								(84)						
	20	Total lift		in (mm) in (mm)					(04)						
	20	Truck overall width Standard platform		in (mm)					(944)						
	21								· ,						
		Chassis length	Raised	in (mm) in (mm)											
	22	enabolo longui	Lowered	in (mm)	45.4 (1153) 44.9 (1140)										
	23	Battery compartment (standard/with		()			32.0	x 13.4 x open		open)					
ш	24	Max. travel speed - chassis first	No load/rated load	mph (kph)			02.0		(010 x 040 x 0 14.5/10.8)						
NC	25	Max. travel speed - forks first	No load/rated load	mph (kph)					(9.7/9.7)						
PERFORMANCE	26	Number of speeds		1b (ubu)					variable						
FOI	27	Traction motor control method Type					-	nsistor							
PER	28	Service brake	Туре						echanical						
		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)			
	29		Rated load	lb (kg)	7382 (3349)	7433 (3372)	7481 (3394)	7523 (3413)	7567 (3433)	7687 (3487)	7742 (3512)	7772 (3526)			
WT.	30	Axle loading - drive: static with max.		lb (kg)	1735 (787)	1828 (829)	1907 (865)	2002 (908)	2094 (950)	2200 (998)	2253 (1022)	2299 (1043)			
>	31	Axle loading - load wheels (combined):		lb (kg)	802 (364)	754 (342)	719 (326)	670 (304)	622 (282)	633 (287)	635 (288)	622 (282)			
s	32	Drive tire: size/type (number of whee	,	in			1	I 3" x 4.5" x 9"/	polyurethane (	1)					
EEL	33	Load wheel: size/type (no. of wheels		in				.25" x 6.5"/pol							
WHEELS	34	Caster wheel: size/type (no. of wheels		in				/polyurethane							
	34		Туре					J   Thin Plate P	. ,						
	36		1.760	ah				-							
≻		Ampere hours - maximum ah													
TERY	37	Ampere hours - minimum ah		an an	930 375										
BATTERY	37 38								0 (680)						
BATTERY	37 38 39	Ampere hours - minimum Maximum weight Minimum weight		lb (kg)				1500							

\* Optional with Hyster Power Cellect™

**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**

	1	Manufacturor					UVOTED				
	<u> </u>	Manufacturer Model designation		HYSTER							
GENERAL	2 3	, i i i i i i i i i i i i i i i i i i i		B80ZHD2 24 volt							
ENE	3 4	Power type		24 Volt Stand ride							
9	4	Operator type Rated capacity									
	5		Neminal	lb (kg)	26 (014)	42 (1067)	8000 (3629)	E4 (1272)	60 (1524)		
	6	Fork length	Nominal	in (mm)	36 (914)	42 (1067)	48 (1219)	54 (1372)	60 (1524)		
	-	Fault averagell weights	Actual	in (mm)	35.7 (908)	41.8 (1061)	47.8 (1213)	53.7 (1365)	59.8 (1518)		
	7 8	Fork overall width Fork width	Individual fork	in (mm)			27.1 (688)				
	•	Load distance (face of battery		in (mm)			9.1 (232)				
	9	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)		
	<u> </u>		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)		
	14		Lowered	in (mm)	70.5 (1791)	76.5 (1943)	76.7 (1947)	88.5 (2249)	94.5 (2401)		
SN		Outside turning radius (extended platform)	Raised	in (mm)	68.8 (1747)	74.8 (1899)	80.8 (2052)	86.8 (2205)	92.8 (2357)		
ISIO	14a		Lowered	in (mm)	72.6 (1844)	78.6 (1996)	78.7 (2000)	90.6 (2302)	96.6 (2454)		
DIMENSIONS	15	Right angle stack (standard platform)	Raised	in (mm)	80.2 (2037)	N/A	91.8 (2332)	N/A	N/A		
D	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	Raised	in (mm)	61.5 (1563)	N/A	68.9 (1750)	N/A	N/A		
		platform)	Naiseu		01.0 (1000)	17/7	00.9 (1700)	17/5	N/A		
	16a	Equal intersecting aisle (extended platform)	Raised	in (mm)	63.0 (1599)	N/A	70.3 (1786)	N/A	N/A		
		Grade clearance	Chassis	%			27				
	17		Center of wheelbase	%	38	34	31	30	27		
	17		Center of wheelbase Forks		38	34	31 37	30	27		
	17 18	Overall lift height		%	38	34		30	27		
		Overall lift height Lowered height	Forks	%	38	34	37	30	27		
	18	, and the second s	Forks Top of forks	% % in (mm)	38	34	37 9.3 (235)	30	27		
	18 19 20	Lowered height	Forks Top of forks	% % in (mm) in (mm)	38	34	37 9.3 (235) 3.3 (84)	30	27		
	18 19	Lowered height Total lift	Forks Top of forks Top of forks	% % in (mm) in (mm) in (mm)	38	34	37 9.3 (235) 3.3 (84) 5.9 (151)	30	27		
	18 19 20 21	Lowered height Total lift	Forks Top of forks Top of forks Standard platform Extended platform Raised	% in (mm) in (mm) in (mm) in (mm)	38	34	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944)	30	27		
	18 19 20 21 22	Lowered height Total lift Truck overall width	Forks Top of forks Top of forks Standard platform Extended platform	% in (mm) in (mm) in (mm) in (mm) in (mm)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140)		27		
	18 19 20 21 22 23	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers)	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34		27		
ICE	18 19 20 21 22 23 24	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7)		27		
MANCE	18 19 20 21 22 23 24 25	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers)	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7)		27		
	18 19 20 21 22 23 24 25 26	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable		27		
	18 19 20 21 22 23 24 25 26 27	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load No load/rated load Type	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	38		37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44. open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor		27		
PERFORMANCE	18 19 20 21 22 23 24 25 26	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load No load/rated load Type Type	% % in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph)		32.0 x 13	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (0.14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical	0 x open)			
	18 19 20 21 22 23 24 25 26 27	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load	% % in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph)	1444 (655)	32.0 x 13 1495 (678)	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (0.14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698)	0 x open) 1585 (719)	1629 (739)		
PERFORN	18           19           20           21           22           23           24           25           26           27           28           29	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) b (kg)	1444 (655) 9444 (4284)	32.0 x 13 1495 (678) 9495 (4307)	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 6.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327)	0 x open) 1585 (719) 9585 (4348)	1629 (739) 9629 (4368)		
	18           19           20           21           22           23           24           25           26           27           28           29           30	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) b (kg) lb (kg)	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852)	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889)	0 x open) 1585 (719) 9585 (4348) 2055 (932)	1629 (739) 9629 (4368) 2147 (974)		
PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): statbattery (no load)	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) b (kg)	1444 (655) 9444 (4284)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342)	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326)	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304)	1629 (739) 9629 (4368)		
WT. PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels)	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt.	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44. open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326) 4.5" x 9"/polyuretta	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1)	1629 (739) 9629 (4368) 2147 (974)		
WT. PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (no.	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in in	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" :	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44. open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326) 4.5" x 9"/polyurethae x 6.5"/polyurethae	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4)	1629 (739) 9629 (4368) 2147 (974)		
PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33           34	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) cass	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings) ter type	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" : 4.0' x 2.5"/poly	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326) 4.5" x 9"/polyurethae x 6.5"/polyurethae urethane (2) uretha	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4) ne block loaded	1629 (739) 9629 (4368) 2147 (974)		
WT. PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33           34           35	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) cass Battery	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in in in in	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" : 4.0' x 2.5"/poly	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 10, finitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326) 4.5" x 9"/polyurethane x 6.5"/polyurethane urethane (2) urethan in Plate Pure Lead*	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4) ne block loaded	1629 (739) 9629 (4368) 2147 (974)		
WHEELS WT. PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33           34           35           36	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) cass Battery Ampere hours - maximum	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings) ter type	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in in in in ah	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" : 4.0' x 2.5"/poly	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 45.4 (1153) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 10.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 10.0/6.0 (9.7/9.7) 10.0/6	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4) ne block loaded	1629 (739) 9629 (4368) 2147 (974)		
WHEELS WT. PERFORM	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33           34           35           36           37	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (caster Battery Ampere hours - maximum Ampere hours - minimum	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings) ter type	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) lb (kg) in in in in in ah ah	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" : 4.0' x 2.5"/poly	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 6.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1539 (698) 9539 (4327) 1960 (889) 719 (326) 4.5" x 9"/polyurethate x 6.5"/polyurethate urethane (2) urethat in Plate Pure Lead* 930 375	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4) ne block loaded	1629 (739) 9629 (4368) 2147 (974)		
WT. PERFORN	18           19           20           21           22           23           24           25           26           27           28           29           30           31           32           33           34           35           36	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) cass Battery Ampere hours - maximum	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt. of bearings) ter type	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in in in in ah	1444 (655) 9444 (4284) 1858 (843)	32.0 x 13 1495 (678) 9495 (4307) 1878 (852) 754 (342) 13" x 3.25" : 4.0' x 2.5"/poly	37 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 45.4 (1153) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 10.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) 10.0/6.0 (9.7/9.7) 10.0/6	0 x open) 1585 (719) 9585 (4348) 2055 (932) 670 (304) ane (1) (2) (4) ne block loaded	1629 (739) 9629 (4368) 2147 (974)		

\* Optional with Hyster Power Cellect™

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**

	1	Manufacturer					HYSTER			
	2	Model designation		B80ZHD2						
	3	Power type				24 volt				
	4	Operator type					Stand ride			
RAL	5	Rated capacity		lb (kg)			8000 (3629)	1		
GENERAL	6	Fork length	Nominal	in (mm)	84 (2134)	93 (2362)	96 (2438)	144 (;	,	
5			Actual	in (mm)	83.8 (2128)	92.8 (2357)	95.8 (2433)	143.8	. ,	
	7	Fork overall width		in (mm)		28.0 (710)		28.0		
	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	. ,	
			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)	
	13		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)	
	14a		Lowered	in (mm)		105.6 (2683)		153.6 (3902)	132.7 (3371)	
s	15	Right angle stack (standard platform)	Raised	in (mm)		143.1 (3636)		N/A	N/A	
NO.	15a	Right angle stack (extended platform)	Raised	in (mm)		144.9 (3681)		188.2 (4780)	190.7 (4877)	
DIMENSIONS	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			
	<u> </u>									
			Center of wheelbase	%	47	22		14	17	
		Quarell lift baight	Forks	%	17	22 13	1		17 8	
	18	Overall lift height	Forks Top of forks	% % in (mm)	17		1 9.3 (235)			
	18 19	Lowered height	Forks	% % <mark>in (mm)</mark> in (mm)	17		1 9.3 (235) 3.3 (84)			
	18 19 20	Lowered height Total lift	Forks Top of forks Top of forks	% % in (mm) in (mm) in (mm)	17		1 9.3 (235) 3.3 (84) 5.9 (151)			
	18 19	Lowered height	Forks Top of forks Top of forks Standard platform	% in (mm) in (mm) in (mm) in (mm)	17		1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944)			
	18 19 20 21	Lowered height Total lift Truck overall width	Forks Top of forks Top of forks Standard platform Extended platform	% % in (mm) in (mm) in (mm) in (mm)	17		1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984)			
	18 19 20	Lowered height Total lift	Forks Top of forks Top of forks Standard platform	% in (mm) in (mm) in (mm) in (mm)	17		1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944)			
	18 19 20 21	Lowered height Total lift Truck overall width	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered	% in (mm)	17	13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153)	2		
35	18 19 20 21 22	Lowered height Total lift Truck overall width Chassis length	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered	% in (mm)	17	13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140)	2		
ANCE	18 19 20 21 22 23	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers)	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm)	17	13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34	2		
DRMANCE	18 19 20 21 22 22 23 24	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	17	13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7)	2		
RFORMANCE	18 19 20 21 22 23 23 24 25	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	17	13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7)	2		
PERFORMANCE	18 19 20 21 22 23 23 24 25 26	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	17	13 32.0 x 13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44. open (813 x 34) 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable	2		
PERFORMANCE	18 19 20 21 22 23 23 24 25 26 27	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load No load/rated load	% in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph)	1748 (793)	13 32.0 x 13	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) .4 x open (813 x 34) 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor	2		
PERFORM	18 19 20 21 22 23 24 25 26 27 28 29	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph)	1748 (793) 9748 (4422)	13 32.0 x 13 1803 (818) 9803 (4447)	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 6.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical	2 0 x open) 2198 (997) 10198 (4626)	8 2178 (988) 10178 (4617)	
WT. PERFORMANCE	18 19 20 21 22 23 24 25 26 27 28	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load)	% % in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) Mph (kph)	1748 (793)	13 32.0 x 13 1803 (818)	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 4.4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832)	2 0 x open) 2198 (997)	8 2178 (988) 10178 (4617)	
PERFORM	18 19 20 21 22 23 24 25 26 27 28 29	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph)	1748 (793) 9748 (4422)	13 32.0 x 13 1803 (818) 9803 (4447)	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461)	2 0 x open) 2198 (997) 10198 (4626)	8 2178 (988) 10178 (4617) (1210)	
WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): sta battery (no load) Drive tire: size/type (number of wheels)	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt.	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg)	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288)	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069)	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 (	8 2178 (988) 10178 (4617) (1210)	
WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): statestattery (no load)	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load ttery (no load) tic w/maximum wt.	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) b (kg) lb (kg) lb (kg)	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 44.9 (1140) 6.0/6.0 (9.7/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282)	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1)	8 2178 (988) 10178 (4617) (1210)	
PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 33 34	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): sta battery (no load) Drive tire: size/type (number of wheels)	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) lb (kg)	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x 3.25" x 4.0' x 2.5"/poly	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282) 4.5" x 9"/polyurethane c.5"/polyurethane urethane (2) urethane	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1) (2) (4) ne block loaded	8 2178 (988) 10178 (4617) (1210)	
WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 29 30 31 32 33 34 35	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - forks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): state battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (no. 4 Caster wheel: size/type (no. 6 Caster wheel: size	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) b (kg) lb (kg) lb (kg) lb (kg) in lb (kg)	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x 3.25" x 4.0' x 2.5"/poly	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282) 4.5" x 9"/polyurethane c 6.5"/polyurethane urethane (2) urethan in Plate Pure Lead*	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1) (2) (4) ne block loaded	8 2178 (988) 10178 (4617) (1210)	
WHEELS WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33 34 35 36	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - chrks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (no. of Caster wheel: size/type (no. of wheels) (cast Type Ampere hours - maximum	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) mph (kph) b b (kg) lb (kg) lb (kg) lb (kg) lb (kg) lb (kg) in in in in ah	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x 3.25" x 4.0' x 2.5"/poly	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282) 4.5" x 9"/polyurethane urethane (2) urethan in Plate Pure Lead* 930	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1) (2) (4) ne block loaded	8 2178 (988) 10178 (4617) (1210)	
WHEELS WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 20 30 31 32 33 34 35 36 37	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - chrss first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (no. of Caster wheel: size	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) mph (kph) blb (kg) lb (kg) l	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x 3.25" x 4.0' x 2.5"/poly	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282) 4.5" x 9"/polyurethane urethane (2) urethan in Plate Pure Lead* 930 375	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1) (2) (4) ne block loaded	8 2178 (988) 10178 (4617) (1210)	
WT. PERFORM	18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 33 34 35 36	Lowered height Total lift Truck overall width Chassis length Battery compartment (standard/with batter Max. travel speed - chassis first Max. travel speed - chrks first Max. travel speed - forks first Number of speeds Traction motor control method Service brake Truck weight (approx.) w/o battery Axle loading - drive: static with max. wt. ba Axle loading - drive: static with max. wt. ba Axle loading - load wheels (combined): stat battery (no load) Drive tire: size/type (number of wheels) Load wheel: size/type (no. of wheels) (no. of Caster wheel: size/type (no. of wheels) (cast Type Ampere hours - maximum	Forks Top of forks Top of forks Standard platform Extended platform Raised Lowered y rollers) No load/rated load Type Type No load Rated load Rated load ttery (no load) tic w/maximum wt. of bearings)	% % in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) in (mm) mph (kph) mph (kph) mph (kph) mph (kph) b b (kg) lb (kg) lb (kg) lb (kg) lb (kg) lb (kg) in in in in ah	1748 (793) 9748 (4422) 2255 (1023)	13 32.0 x 13 32.0 x 13 1803 (818) 9803 (4447) 2308 (1047) 635 (288) 13" x 3.25" x 4.0' x 2.5"/poly	1 9.3 (235) 3.3 (84) 5.9 (151) 37.2 (944) 38.7 (984) 45.4 (1153) 44.9 (1140) .4 x open (813 x 34 9.0/6.0 (14.5/9.7) 6.0/6.0 (9.7/9.7) Infinitely variable AC transistor Electro-mechanical 1834 (832) 9834 (4461) 2357 (1069) 622 (282) 4.5" x 9"/polyurethane urethane (2) urethan in Plate Pure Lead* 930	2 0 x open) 2198 (997) 10198 (4626) 2668 ( 661 ( ine (1) (2) (4) ne block loaded	8 2178 (988) 10178 (4617) (1210)	

\* Optional with Hyster Power Cellect™

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.

### B60ZAC2 | B60-80ZHD2 FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
24-volt AC transistor control electrical system 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	х	
Ergonomic rear hand rail with Intelligent Shift Functions:		
- Intelligent Lift		х
- Intelligent Lower		X
Intelligent Acceleration     Intelligent Cruise		X
- Hyster Intelligent Slow Down™		X
Intelligent coast control with Slide Glide™		х
Manual coast control with Slide Glide <sup>™</sup>		х
DRIVE	STD	OPT
Drive tire (B60ZAC2)		
<ul> <li>– 85 durometer, 10" x 4.0" smooth red polyurethane</li> <li>– 91 durometer, 10" x 4.0" smooth polyurethane</li> </ul>	X	v
– 93 durometer, 10" x 4.0" super smooth polyurethane		X
Drive tire (B60-80ZHD2)		A
– 85 durometer, 13" x 4.5" smooth red polyurethane	x	
– 85 durometer, 13" x 4.5" grooved red polyurethane		х
- 91 durometer, 13" x 4.5" smooth polyurethane		х
- 93 durometer, 13" x 4.5" super smooth polyurethane		Х
- Single, 3.25" x 6.5" polyurethane	x	
- Single and dual	~	х
- 2 bearing and 4 bearing		х
- Standard bearing and sealed bearing		х
Casters (B60ZAC2)		
- Spring loaded, 4" x 2.5" polyurethane wheel	х	
Heavy duty – greaseable wheel     Heavy duty – sealed wheel		x
Casters 4" x 2.5" (B60ZHD2)		X
- Spring loaded, polyurethane wheel	x	
- Heavy duty - urethane block loaded greaseable wheel		х
<ul> <li>Heavy duty – urethane block loaded sealed wheel</li> </ul>		х
Casters 4" x 2.5" (B80ZHD2)	1 1	
Heavy duty – urethane block loaded greaseable wheel	X	v
Heavy duty – urethane block loaded sealed wheel Manual steering	x	х
Power assist steering		х
LIFT	STD	OPT
Long life lift linkage with lubrication fittings	x	
- "X" groove style greaseable pivot bushings (B60ZAC2) Heavy duty, long life lift linkage with lubrication fittings		
<ul> <li>- "X" groove style greaseable pivot bushings</li> </ul>	x	
- 1" hardened, bolt retained flag pins		
Integrated "soft start" transistor lift pump control	Х	
Fork lengths (B60ZAC2)		
- 48" long forks - standard tip - 36" - standard tip	X	x
-42" – standard tip		x
– 60" – standard tip		х
Fork lengths (B60-80ZHD2)		
– 48" long forks – standard tip	х	
- 36" - standard tip		х
<ul> <li>42" – standard tip</li> <li>54" – standard tip</li> </ul>		X
- 60" - standard tip		X X
– 96° – standard tip (B60ZHD2 only)		x
– 84" – extended tip		x
- 84 - extended tip		х
– 93" – extended tip		х
- 93" - extended tip - 96" - extended tip		
- 93" - extended tip - 96" - extended tip - 144" - extended tip (B80ZHD2 only)		х
<ul> <li>93" – extended tip</li> <li>96" – extended tip</li> <li>144" – extended tip (B80ZHD2 only)</li> <li>144" – short wheelbase extended tip (B80ZHD2 only)</li> </ul>		x x
<ul> <li>93" - extended tip</li> <li>96" - extended tip</li> <li>144" - extended tip (B80ZHD2 only)</li> <li>144" - short wheelbase extended tip (B80ZHD2 only)</li> <li>Pallet exit rollers</li> </ul>	x	
<ul> <li>93" - extended tip</li> <li>96" - extended tip</li> <li>144" - extended tip (B80ZHD2 only)</li> <li>144" - short wheelbase extended tip (B80ZHD2 only)</li> </ul>	x x x x	

LIFT (continued)	STD	OP
Flush pallet stop	х	
27" fork spread (B60ZHD2)	х	
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
RGONOMICS	STD	OP
Ergonomic rear hand rail	х	
Composite handle with butterfly travel control (optional for B60-80ZHD2)	X	
Ergonomically designed, impact resistant, combination butterfly rotary control handle	x	
(optional for B60ZAC2) Cushioned operator platform	×	
Ultra platform cushion (B60-80ZHD2)	^	x
DPERATION	STD	0P
	510	UP
Multifunction full-color touch display — Battery state of charge		
– Hour meter		
- Low battery lift interrupt	x	
- Performance mode indicator		
- Fault indicator		
Electro-mechanical park brake	x	
Electronic horn	х	
On-board software		
- Program, test and diagnose	x	
- No handset required		
- 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	0.000	X
CONSTRUCTION	STD	OP
JL Classification "E"	X	
JL 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
NERGY SYSTEM	STD	OP
Set for flooded cell	х	
Set for maintenance free		X
Hyster Power Cellect <sup>™</sup>		X
SUPPLEMENTAL	STD	OP
Operating manual and labels – English	х	
Parts manual - printed or CD		x
12 month/unlimited hours full truck warranty	x	
	x	
3 years/6,000 hour powertrain warranty		1
3 years/6,000 hour powertrain warranty Lifetime frame warranty	х	
	х	x



#### Hyster Company

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