



Performance designed to match your changing distribution, warehouse or environmental needs.

Hyster Company's 75 years of quality materials handling experience and knowledge provides us a unique understanding of your pallet truck applications. That's why we are pleased to bring you the new Hyster C60-80Z Center Rider Pallet Truck series. This series has what you need to handle your most grueling pallet truck applications.

Welded, heavy-duty steel plate/bar constructed frame and forks with steel castings for high stress areas provide superior rigidity and unrivaled durability. A muscular SEM drive motor unit with integral, tapered roller steer bearing enhances control as you move from staging loads and crossing dock boards to moving in and out of trailers. A 3-position tilt steer column and a 25.0 inch wide steer handle with full rotary grips that control travel speed and direction provides you excellent ergonomics for high speed transporting of goods from point A to point B.

The energy efficient, solid-state controlled hydraulic system includes HTX bushings, cold rolled steel and electroless nickel plated linkage pivot pins. Additionally, adjustable 2-piece pull-rods provide you the reliable infrastructure required to perform for thousands of hours under the harshest of conditions in the most punishing applications - yours! For more in depth information, contact your local authorized Hyster dealer.



C60-80Z Center Rider series' 25.0 inch wide control handle shown with the optional "Side Glide" feature that helps increase your picking productivity by making travel between pick locations easier. In addition, the truck shown is equipped with the optional multi-function display. An optional 17.0 inch wide control handle is available.



C80Z Center Rider Pallet Truck shown equipped with 96.0 inch double pallet length forks, optional premium package of 3-inch thick back pad and auxiliary controls. This option provides you an armrest in addition to the auxiliary set of lift, lower and horn buttons, which help to increase productivity when operating the C60-80Z in the forks first direction.



3-Position tilt steer column affords you increased comfort, not to mention easy change outs of battery.



Spacious operator's compartment is 20.8" deep and 32.0" wide. It comes equipped with a forward bulkhead, operator's back pad, and a shock absorbent, removable 1.0" thick floor mat affording ample cushioning. It also reduces the effects of vibration and standing stresses, while enhancing operator stability over uneven surfaces. Best of all, with a 4.6" step height, entry and exit is easy.



Mounted in the floor plate, the high speed or "rabbit" speed switch gives the C60-80Z Center Rider series' excellent travel speeds. So whether you're moving single or double pallet loads of product that weigh 3 or 4 tons (6,000 or 8,000 lbs.), your operators spend more time performing order fulfillment and less time traveling.

This Hyster C60-80Z Center Rider series features a 2-piece resilient high impact thermo-plastic cowl cover that won't crack or break. It provides excellent protection against unexpected damage to internal components such as pumps, motors and electronic controls. The top cover is fastened with "snap-fit" spring clips for quick, easy removal. The bottom cover is held in place by 3-screws.



The optional multi-function display provides you at-a-glance battery state of charge indication. In addition, you have ready access to truck hours, fault indication and lift interrupt.

The spring applied, electrically released parking brake is easily applied by turning the park brake switch, conveniently located next to the key switch.

Your operators will work longer between battery charges with the SEM transistor traction control utilized in these 24-volt pallet trucks. Plugging, acceleration and top speed can be adjusted to match your operation's requirements. The energy efficient transistor controlled hydraulic pump and motor system features lift cut-out at maximum lift height, extending service life.



Equipped with a 2-stage electro-mechanical brake, applying the brakes is as easy as squeezing either of the two hand brake levers on the control handle. First-stage applies the Auto Deceleration System. The second stage fully applies the brake. Large push buttons for lifting, lowering and the horn functions can be operated easily from either side of the steer handle.

Pallet entry and exit made simple. The Hyster C60-80Z series lift linkage system is built with robust componentry. We've increased the pallet exit guide roller width and moved it closer to the load wheel for a smooth transition in to and out of pallets. We've added grease zerks to critical pivot points of the linkage, because over time workplace contaminants will damage joints if there's not enough grease present.



The C60-80Z series has spring-loaded, articulating stabilizing casters with an adjustable shim design to minimize load sway and tipping due to unbalanced loads or sharp turns. The new adjustable shim design allows the casters to be adjusted without lifting the truck from the floor. Extra shims are conveniently stored under the bottom cowl cover, for easy access and use.



Sealed and bathed in oil, the Master Drive Unit (MDU) bearings provide quiet, smooth, low effort control of the C60-80Z series. Its muscular Master Drive Unit has an integrated pinon gear with a splined coupling for enhanced service life. In addition, the C60-80Z has a string guard to reduce the potential for drive axle bearing seal damage due to shrink-wrap or banding tape. Δ

C60-80Z Center Rider series is equipped with energy efficient transistor hydraulic controls. The new solid state controller eliminates the contactor, its high in-rush of current and the associated service needs while at the same time significantly increasing pump service life. The translucent hydraulic tank with fill lines facilitates quick, easy daily service checks to maximize your uptime.



Δ Periodic removal of debris from the string guard is required to allow it to function as designed.

Optional environmental packages to fit your harshest environment.

The Hyster C60-80Z Center Rider is designed for continuous use in general warehouses and refrigerated coolers, as well as intermittent use in freezers to -15 degrees Fahrenheit. Optional environmental packages include continuous cold storage/freezer, severe freezer/corrosion and U.L. type "EE" classification.

ENVIRONMENTAL PACKAGE CONDITIONS			
Temperatures	+50F to +30F	+30F to -15F	-15F to -40F
Continuous use in freezer	STANDARD	PACKAGE #1	PACKAGE #2
Continuous use in freezer, out of freezer for battery changes and driver breaks	STANDARD	PACKAGE #1	PACKAGE #2
Intermittent Use: In and out of freezer frequently	STANDARD	PACKAGE #2	PACKAGE #2
Intermittent Use: Operated mostly out of freezer (freezer use limited to 5 minutes per 30 minutes)	STANDARD	STANDARD	PACKAGE #1

Environmental Packages

Package #2 - Severe Freezer/Food Processing/Corrosion

Only available on 8,000 lbs. capacity model

Contents:

- Low (Arctic) temperature hydraulic fluid
- Synthetic low temperature gear oil
- Enclosed electrical system
- Shielded motor perforated motor bands
- Sealant added to all electrical connections

Recommended Options:

- Siped poly drive tire

Environmental Packages

Package #1 - Cold Storage/Freezer

Available for both 6,000 and 8,000 lbs. capacity models

Contents:

- Low temperature hydraulic fluid
- Handle Heater (Lift/Lower/Horn switches)

Recommended Options:

- 4-bearing loadwheels
- Siped poly drive tire

Environmental Packages

Package #3 - EE Construction

Only available on 8,000 lbs. capacity model

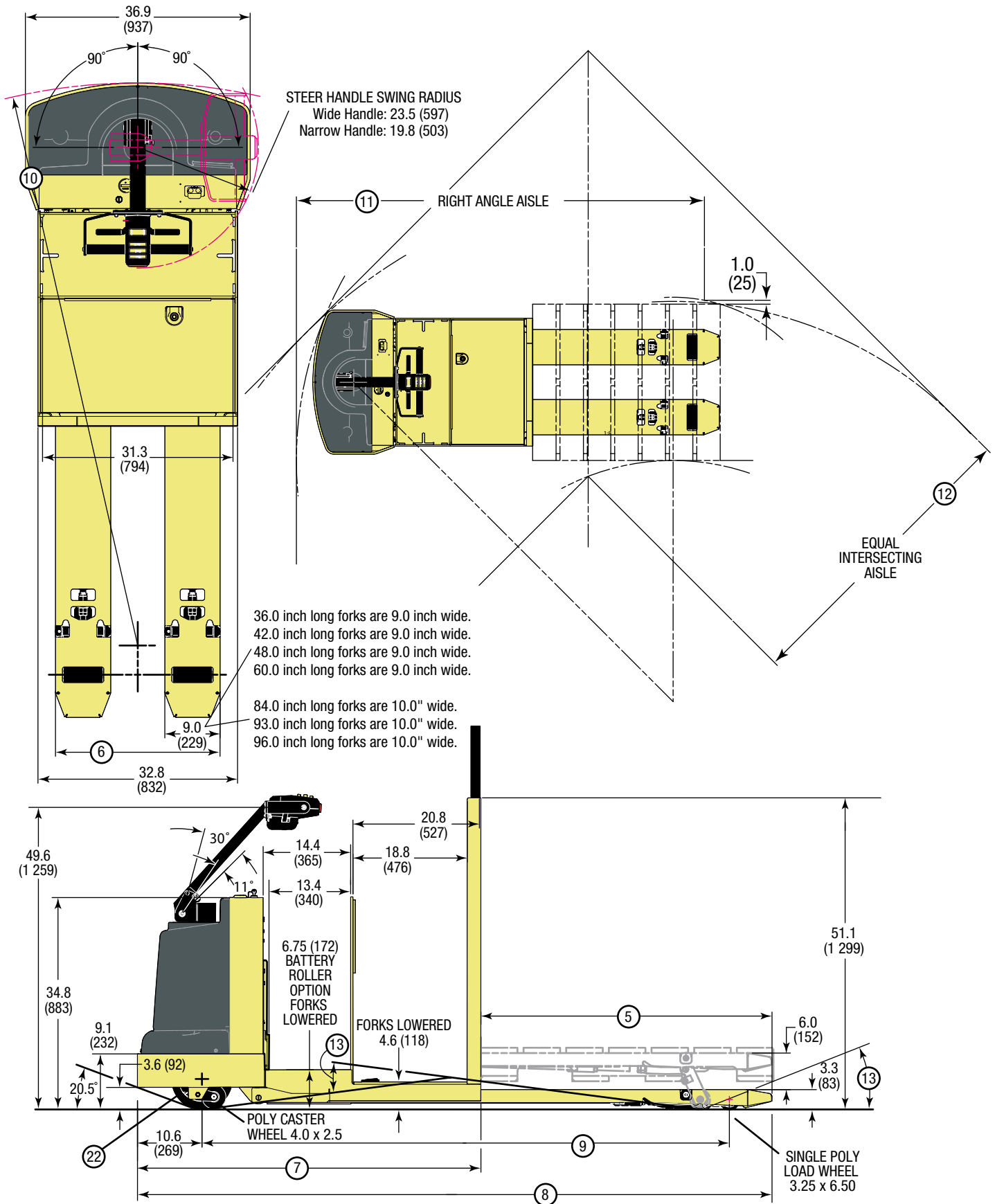
Contents:

- Enclosed electrical system
- Enclosed traction motor
- U.L. listing for type "EE"





Hyster C60-80Z Center Rider Pallet Truck Dimensions





Hyster C60Z Center Rider Pallet Truck Specifications

GENERAL	1	Manufacturer		Hyster Company	Hyster Company	Hyster Company
	2	Model		C60Z	C60Z	C60Z
	3	Capacity, rated	lbs. (kg)	6,000 (2 725)	6,000 (2 725)	6,000 (2 725)
	4	Voltage		24	24	24
DIMENSIONS	5	Nominal fork length	in. (mm)	36.0 (915)	48.0 (1 219)	60.0 (1 524)
	6	Width across forks	in. (mm)	27.0 (686)	27.0 (686)	27.0 (686)
	7	Chassis length w/std. 13.4" battery compartment	in. (mm)	56.4 (1 433)	56.4 (1 433)	56.4 (1 433)
	8	Overall length, w/std. 13.4" battery compartment	in. (mm)	92.1 (2 339)	104.1 (2 644)	116.1 (2 949)
	9	Wheelbase, lowered w/13.4" battery compartment	in. (mm)	74.5 (1 892)	86.5 (2 197)	98.5 (2 502)
		Wheelbase, raised w/13.4" battery compartment	in. (mm)	69.7 (1 770)	81.7 (2 075)	93.7 (2 380)
	10	Turning radius, lowered, w/13.4" batt. cpmt/ wide handle	in. (mm)	89.1 (2 263)	101.1 (2 568)	113.1 (2 873)
		Turning radius, raised, w/13.4" batt. cpmt/ wide handle	in. (mm)	84.3 (2 141)	96.3 (2 446)	108.3 (2 751)
	11	Right angle aisle, w/13.4" battery compartment ††	in. (mm)	93.4 (2 372)	104.4 (2 652)	115.6 (2 936)
	12	Equal intersecting aisle, w/13.4" battery compartment ††	in. (mm)	70.7 (1 796)	77.0 (1 956)	83.3 (2 116)
	Grade clearance, center wheelbase, raised w/pallet	%	40	26	20	
	Grade clearance, forks end, raised w/pallet	%	39	39	39	
14	Overall lift height (TOF)	in. (mm)	9.25 (235)	9.25 (235)	9.25 (235)	
BATT.	17	Battery compartment size - std. 13.4", (L x W x H) *	in.	31.2 x 13.4 x Open	31.2 x 13.4 x Open	31.2 x 13.4 x Open
		Battery compartment size - std. 13.4", (L x W x H) *	(mm)	(792 x 340 x Open)	(792 x 340 x Open)	(792 x 340 x Open)
PERF. †	20	Travel speed, std. equipped truck No Load	mph (km/h)	8.1 (13.0)	8.1 (13.0)	8.1 (13.0)
		Travel speed, std. equipped truck Rated Load	mph (km/h)	5.9 (9.5)	5.9 (9.5)	5.9 (9.5)
	21	Lift / lower speed, No Load	seconds	3.3 / 1.9	3.3 / 1.9	3.3 / 1.9
		Lift / lower speed, 6,000 lbs. Load	seconds	4.5 / 1.2	4.5 / 1.2	4.5 / 1.2
WHL.	22	Drive Tire Size (Polyurethane)		10.0 x 5.0	10.0 x 5.0	10.0 x 5.0
	23	Load wheel size, tandem (Polyurethane)		(2 x) 3.25 x 6.50	(2 x) 3.25 x 6.50	(2 x) 3.25 x 6.50
	24	Total approx. weight, 13.4" compartment - w/o battery	lbs. (kg)	1,590 (721)	1,590 (721)	1,590 (721)

C60-80Z pallet trucks use Red battery connector - 16" (406 mm) 1/0 gauge leads, B position.

* Length is measured side to side of truck.

†† Equal Intersecting Aisle and Right Angle Aisle Stacking dimensions are with standard GMA pallet(s) that measure 48.0" x 40.0".

CERTIFICATION: These Hyster lift trucks are designed to meet applicable regulatory codes and standards of OSHA, subpart n, Section 1910.178; ASME B56.1-1993, and current revisions; and U.L. 583 Standard of Electric Battery Powered Industrial Trucks.

† **NOTE:** Performance specifications are for truck equipped as described under Standard Equipment. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed applications should be discussed with your local authorized Hyster dealer.

C60Z BATTERY AND COMPARTMENT SPECIFICATIONS

NUMBER OF CELLS	CELL SIZE	PLATES PER CELL	CAPACITY AMP-HOURS	KWH	"X" DIMENSION in. (mm)	"Y" DIMENSION in. (mm)	"Z" DIMENSION in. (mm)	BATTERY WEIGHT lbs. (kgs)
12	75	11	375	8.7	26.5 (673)	13.0 (330)	23.3 (592)	825 (374)
12	85	11	425	9.9	26.1 (663)	12.8 (325)	23.3 (592)	865 (392)
12	75	13	450	10.5	30.9 (785)	13.0 (330)	23.3 (592)	987 (448)
12	85	13	510	11.9	30.9 (785)	13.0 (330)	23.3 (592)	1,035 (469)

NOTES:

- (1) Steel tray with cover required for all batteries.
- (2) Battery connector type 175 Amp, Red.
- (3) Cable lead position "B".
- (4) 16" (406 mm) cable length.
- (5) Maximum cable gauge of 1/0.
- (6) Battery well: 31.25" x 13.4" x open (794 mm x 340 mm x open).
- (7) Capacity noted is with 6 hr. rate.
- (8) 24 Volt



Hyster C80Z Center Rider Pallet Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company
	2	Model	C80Z	C80Z	C80Z	C80Z
	3	Capacity, rated lbs. (kg)	8,000 (3 635)	8,000 (3 635)	8,000 (3 635)	8,000 (3 635)
	4	Voltage	24	24	24	24
DIMENSIONS	5	Nominal fork length in. (mm)	36.0 (915)	48.0 (1 220)	84.0 (2 135)	96.0 (2 440)
	6	Width across forks in. (mm)	27.0 (686)	27.0 (686)	28.0 (708)	28.0 (708)
	7	Chassis length w/std. 13.4" battery compartment in. (mm)	58.6 (1 488)	58.6 (1 488)	58.6 (1 488)	58.6 (1 488)
	8	Overall length, w/std. 13.4" battery compartment in. (mm)	93.8 (2 383)	105.8 (2 687)	142.3 (3 614)	154.3 (3 919)
	9	Wheelbase, lowered w/13.4" battery compartment in. (mm)	76.9 (1 953)	88.9 (2 258)	109.9 (2 791)	109.9 (2 791)
		Wheelbase, raised w/13.4" battery compartment in. (mm)	71.5 (1 816)	83.5 (2 121)	104.5 (2 654)	104.5 (2 654)
	10	Turning radius, lowered, w/13.4" batt. cpmt / wide handle in. (mm)	91.4 (2 322)	103.4 (2 626)	124.3 (3 157)	124.3 (3 157)
		Turning radius, raised, w/13.4" batt. cpmt / wide handle in. (mm)	86.6 (2 200)	98.6 (2 504)	119.5 (3 035)	119.5 (3 035)
	11	Right angle aisle, w/13.4" batt. cpmt / raised †† in. (mm)	95.0 (2 413)	106.0 (2 692)	143.3 (3 640)	155.8 (3 957)
	12	Equal intersecting aisle, w/13.4" batt. cpmt / raised †† in. (mm)	71.5 (1 816)	77.8 (1 976)	89.7 (2 278)	90.7 (2 304)
	Grade clearance, center wheelbase, raised w/pallet %	40	26	18	18	
	Grade clearance, forks end, raised w/pallet %	39	39	17	12	
14	Overall lift height (TOF) in. (mm)	9.25 (235)	9.25 (235)	9.25 (235)	9.25 (235)	
BATT.	17	Battery compartment size - std. 13.4", (L x W x H) * in.	31.2 x 13.4 x Open	31.2 x 13.4 x Open	31.2 x 13.4 x Open	31.2 x 13.4 x Open
		Battery compartment size - std. 13.4", (L x W x H) * (mm)	(792 x 340 x Open)	(792 x 340 x Open)	(792 x 340 x Open)	(792 x 340 x Open)
PERF. †	20	Travel speed, std. equipped truck No Load mph (km/h)	7.8 (12.6)	7.8 (12.6)	7.8 (12.6)	7.8 (12.6)
		Travel speed, std. equipped truck Rated Load mph (km/h)	4.6 (7.4)	4.6 (7.4)	4.6 (7.4)	4.6 (7.4)
	21	Lift/lower speed, No Load seconds	3.7 / 6.4	3.7 / 6.4	3.7 / 6.4	3.7 / 6.4
		Lift/lower speed, 8,000 lbs. Load seconds	5.4 / 2.4	5.4 / 2.4	5.4 / 2.4	5.4 / 2.4
WHL.	22	Drive Tire Size (Polyurethane)	12.0 x 4.5	12.0 x 4.5	12.0 x 4.5	12.0 x 4.5
	23	Load wheel size, tandem (Polyurethane)	(2 x) 3.25 x 6.50	(2 x) 3.25 x 6.50	(2 x) 3.25 x 6.50	(2 x) 3.25 x 6.50
	24	Total approx. weight, 13.4" compartment - w/o battery lbs. (kg)	1,818 (824)	1,892 (858)	1,997 (905)	2,010 (912)

C60-80Z pallet trucks use Red battery connector - 16" (406 mm) 1/0 gauge leads, B position.

* Length is measured side to side of truck.

†† Equal Intersecting Aisle and Right Angle Aisle Stacking dimensions are with standard GMA pallet(s) that measure 48.0" x 40.0".

CERTIFICATION: These Hyster lift trucks are designed to meet applicable regulatory codes and standards of OSHA, subpart n, Section 1910.178; ASME B56.1-1993, and current revisions; and U.L. 583 Standard of Electric Battery Powered Industrial Trucks.

† **NOTE:** Performance specifications are for truck equipped as described under Standard Equipment. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed applications should be discussed with your local authorized Hyster dealer.

C80Z BATTERY AND COMPARTMENT SPECIFICATIONS

NUMBER OF CELLS	CELL SIZE	PLATES PER CELL	CAPACITY AMP-HOURS	KWH	"X" DIMENSION in. (mm)	"Y" DIMENSION in. (mm)	"Z" DIMENSION in. (mm)	BATTERY WEIGHT lbs. (kgs)
12	75	11	375	8.7	26.5 (673)	13.0 (330)	23.3 (592)	825 (374)
12	85	11	425	9.9	26.1 (663)	12.8 (325)	23.3 (592)	865 (392)
12	75	13	450	10.5	30.9 (785)	13.0 (330)	23.3 (592)	987 (448)
12	85	13	510	11.9	30.9 (785)	13.0 (330)	23.3 (592)	1,035 (469)
12	100	13	600	14.0	30.9 (785)	13.0 (330)	26.2 (665)	1,140 (517)
12	125	13	750	17.6	30.9 (785)	13.0 (330)	31.0 (787)	1,450 (658)

NOTES:

- (1) Steel tray with cover required for all batteries.
- (2) Battery connector type 175 Amp, Red.
- (3) Cable lead position "B".
- (4) 16" (406 mm) cable length.
- (5) Maximum cable gauge of 1/0.
- (6) Battery well: 31.25" x 13.4" x open (794 mm x 340 mm x open).
- (7) Capacity noted is with 6 hr. rate.
- (8) 24 Volt

TAKE IT TO EXTREMES



Standard Equipment Includes:

- 24 volt • SEM traction controller • Transistor hoist control • Low battery lift interrupt without display • Lift motor cut-out at full height • Key switch
- Battery compartment (31.3" x 13.4") • 175 amp, Red battery connector • Flush pallet stop • 48.0" Long forks • 3-Position tilt steer column
- Toggle switch activated, electro-mechanical park brake • Floor mounted high speed switch • Regenerative braking • Standard construction
- 9.0" individual fork width, 27.0" width across forks • 3.3" lowered fork height with 6.0" lift height • Heavy-duty pull rods with replaceable threaded ends
- Spring-loaded polyurethane caster wheels (4.0" x 2.5") • Single 3.25" x 6.50" polyurethane load wheels with 2-bearings per wheel (C60Z)
- Single 3.25" x 6.50" polyurethane load wheels with 4-bearings per wheel (C80Z) • Electronic horn • Full rotary grip travel control
- Polyurethane drive tire (10.0" x 5.0") (C60Z) • Polyurethane drive tire (12.0" x 4.5") (C80Z) • 48.0" High load backrest extension / load support
- Operator's compartment (32.0" W x 20.8" D) with 1" thick cushioned floor mat and cushioned knee and back pad • Knock-out load wheel axles
- Operator manual • 4.6" Operator's compartment step height (forks lowered) • Lubrication fittings on undercarriage • Control handle (25.0" overall width)
- U.L. Classification E




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Part No. C6-80Z/BTG

12/2003 Litho in U.S.A.

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