

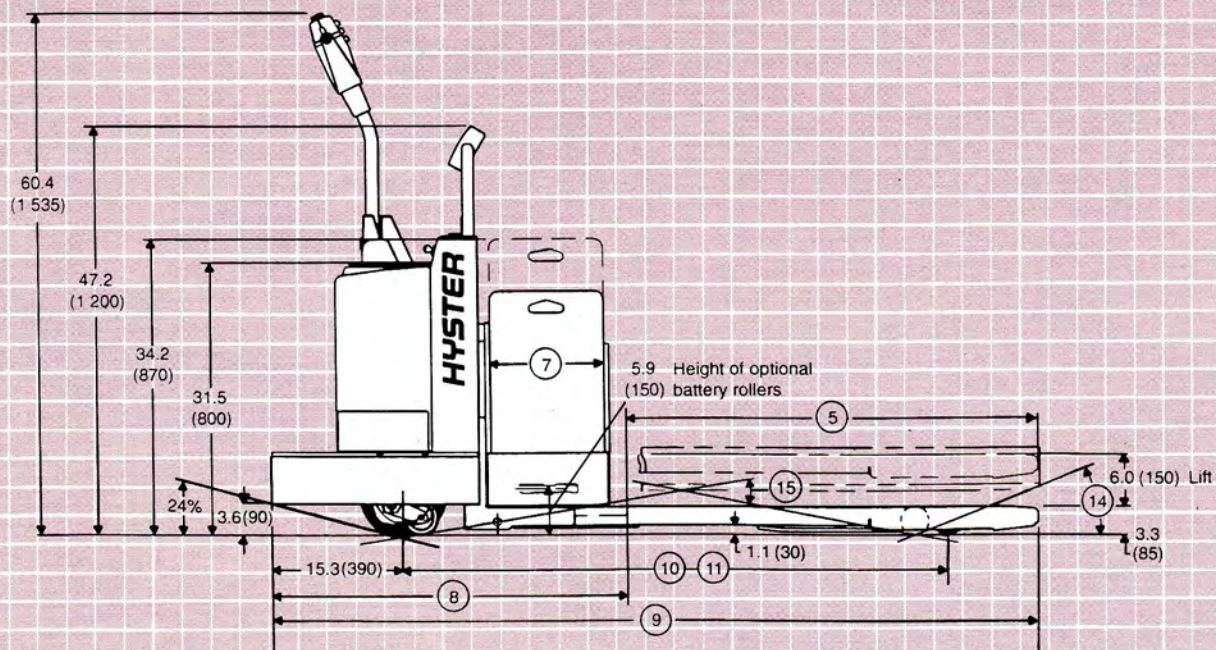


B60-80XT
Walkie/Riders
Technical Guide



B80XT Walkie/Rider Specifications

GENERAL DIMENSIONS	1	Manufacturer		Hyster	Hyster	Hyster
	2	Model		B80XT	B80XT	B80XT
	3	Capacity, rated	lb. (kg)	8,000 (3 635)	8,000 (3 635)	8,000 (3 635)
	4	Voltage		24	24	24
	5	Nominal fork length	in. (mm)	48.0 (1 220)	84.0 (2 135)	96.0 (2 440)
	6	Width across forks	in. (mm)	27.0 (685)	28.3 (720)	28.3 (720)
	7	Batt. compmt. width, standard	in. (mm)	13.4 (340)	13.4 (340)	13.4 (340)
		Optional compartment	in. (mm)	9.0 (230)	9.0 (230)	9.0 (230)
	8	Chassis length, standard compmt.	in. (mm)	41.1 (1 045)	41.1 (1 045)	41.1 (1 045)
		Optional compartment	in. (mm)	36.7 (930)	36.7 (930)	36.7 (930)
	9	Overall length, standard compmt.	in. (mm)	88.8 (2 255)	124.8 (3 170)	136.8 (3 475)
		Optional compartment	in. (mm)	84.4 (2 145)	120.4 (3 060)	132.4 (3 365)
	10	Wheelbase, lowered, std. compmt.	in. (mm)	65.4 (1 660)	85.7 (2 175)	85.7 (2 175)
		Optional compartment	in. (mm)	61.0 (1 550)	81.3 (2 065)	81.3 (2 065)
	11	Wheelbase, raised, std. compmt.	in. (mm)	60.3 (1 530)	80.6 (2 045)	80.6 (2 045)
		Optional compartment	in. (mm)	55.9 (1 420)	76.2 (1 935)	76.2 (1 935)
	12	Turning radius, lowered, std. compmt.	in. (mm)	80.7 (2 050)	101.0 (2 565)	101.0 (2 565)
	Optional compartment	in. (mm)	76.3 (1 940)	96.6 (2 455)	96.6 (2 455)	
13	Turning radius, raised, std. compmt.	in. (mm)	75.6 (1 920)	95.9 (2 435)	95.9 (2 435)	
	Optional compartment	in. (mm)	71.2 (1 810)	91.5 (2 325)	91.5 (2 325)	
14	Grade clearance, raised, with pallet	%	39	21	14	
15	Grade clearance, raised, with pallet	%	33	24	24	
16	Travel speed, no load/with load	mph (km/h)	8.3 (13.4)/5.0 (8.0)	8.3 (13.4)/5.0 (8.0)	8.3 (13.4)/5.0 (8.0)	
17	Weight, without battery	lb. (kg)	1,150 (520)	1,380 (625)	1,420 (645)	



Circled dimensions correspond to the line numbers on the tabulated charts.

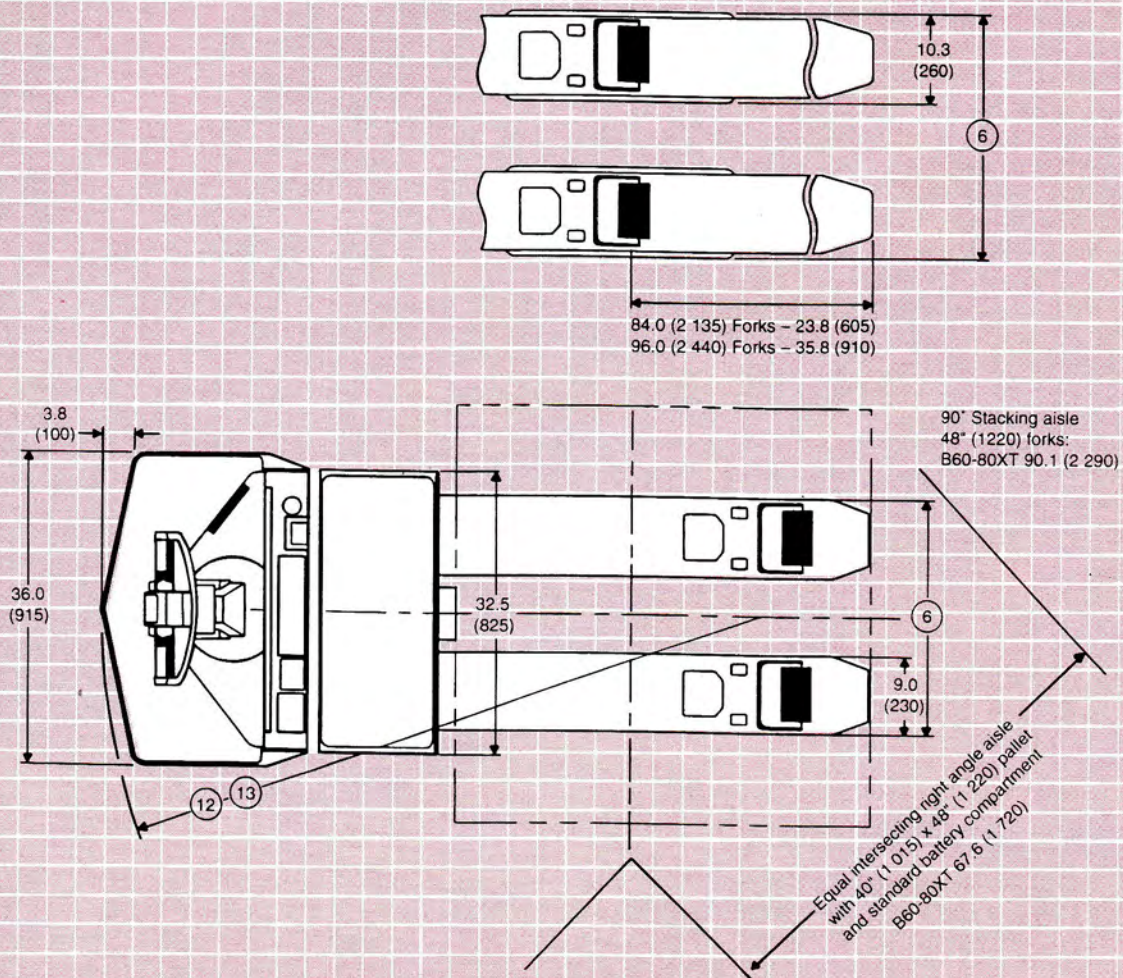
Dimensions are in inches (millimeters).

Optional load wheels affect outside turning radius and right angle stacking aisles. Contact your dealer if these dimensions are critical.



B60XT Walkie/Rider Specifications

1	Hyster	Hyster	Hyster	Hyster	Hyster
2	B60XT	B60XT	B60XT	B60XT	B60XT
3	6,000 (2 725)	6,000 (2 725)	6,000 (2 725)	6,000 (2 725)	6,000 (2 725)
4	24	24	24	24	24
5	36.0 (915)	42.0 (1 065)	48.0 (1 220)	84.0 (2 135)	96.0 (2 440)
6	27.0 (685)	27.0 (685)	27.0 (685)	28.3 (720)	28.3 (720)
7	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)
	9.0 (230)	9.0 (230)	9.0 (230)	9.0 (230)	9.0 (230)
8	41.1 (1 045)	41.1 (1 045)	41.1 (1 045)	41.1 (1 045)	41.1 (1 045)
	36.7 (930)	36.7 (930)	36.7 (930)	36.7 (930)	36.7 (930)
9	76.8 (1 950)	82.8 (2 105)	88.8 (2 255)	124.8 (3 170)	136.8 (3 475)
	72.4 (1 840)	78.4 (1 990)	84.4 (2 145)	120.4 (3 060)	132.4 (3 365)
10	53.4 (1 355)	59.4 (1 510)	65.4 (1 660)	85.7 (2 175)	85.7 (2 175)
	49.0 (1 245)	55.0 (1 395)	61.0 (1 550)	81.3 (2 065)	81.3 (2 065)
11	48.3 (1 225)	54.3 (1 380)	60.3 (1 530)	80.6 (2 045)	80.6 (2 045)
	43.9 (1 115)	49.9 (1 265)	55.9 (1 420)	76.2 (1 935)	76.2 (1 935)
12	68.7 (1 745)	74.7 (1 895)	80.7 (2 050)	101.0 (2 565)	101.0 (2 565)
	64.3 (1 635)	70.3 (1 785)	76.3 (1 940)	96.6 (2 455)	96.6 (2 455)
13	63.6 (1 615)	69.6 (1 770)	75.6 (1 920)	95.9 (2 435)	95.9 (2 435)
	59.2 (1 505)	65.2 (1 655)	71.2 (1 810)	91.5 (2 325)	91.5 (2 325)
14	43	41	39	21	14
15	37	35	33	24	24
16	8.3 (13.4)/5.8 (9.3)	8.3 (13.4)/5.8 (9.3)	8.3 (13.4)/5.8 (9.3)	8.3 (13.4)/5.8 (9.3)	8.3 (13.4)/5.8 (9.3)
17	1,110 (505)	1,130 (515)	1,150 (520)	1,380 (625)	1,420 (645)



Standard Features and Options

CAPACITY

Model B60XT: 6,000 lbs. (2 725 kg)

Model B80XT: 8,000 lbs. (3 635 kg)

STANDARD EQUIPMENT

Complete B60-80XT truck is equipped with 24-volt electrical system; Curtis PMC transistor control; 13.4" (340 mm) battery compartment; SB 175 connector (red); 48" (1 220 mm) long forks; 27" (685 mm) width across forks; pallet stop; 10" x 5" (255 x 125 mm) polyurethane drive tire; single 3.25" x 5.8" (85 x 145 mm) (B60XT) or dual 3.25" x 2.75" (85 x 70 mm) (B80XT) polyurethane load wheels; stabilizing casters; mechanical brake; top-mounted steering; butterfly-type accelerator control; high-speed switch; traction reverse switch; key switch; horn; operating manual; and UL Classification E. Battery not included. Complete B60-80XT truck without battery weighs 1,150 lbs. (475 kg).

Optional items include 9.0" (225 mm) battery compartment; EE construction; corrosion/freezer package; 48" (1 220 mm) or 60" (1 525 mm) high load backrest extensions; 36" (915 mm) or 42" (1 065 mm) long forks (B60XT); 84" (2 135 mm) or 96" (2 440 mm) long forks; battery rollers; convenience tray; skid pads; hour meter; battery indicator meter; battery indicator meter with lift interrupt; rubber drive tire; full-rotary hand grip; coast control; 3.25" x 4.3" (85 x 110 mm) tandem load wheels; and 3.25" x 2.75" (85 x 70 mm) dual load wheels.

FORKS

One-piece welded construction of forks provides durability. All forks are designed to accommodate single, dual or tandem load wheels.

Fork contours combined with skid strips and skid bars make pallet entry/exit fast and easy. Single and dual load wheel assemblies also use exit rollers.

Width across forks of 27" (685 mm) and 9.0" (230 mm) fork width are standard. 36" (915 mm) and 42" (1 065 mm) long forks are available only on B60XT trucks. 48" (1 220 mm), 84" (2 135 mm) and 96" (2 440 mm) long forks are available on B60-80XT trucks.

The 84" forks with short tips and 96" forks with extended tips handle two 48" pallets (note: loads may not overhang the pallets). The load wheels drop through the first opening of the second pallet. Width across forks is 28.3" (720 mm); fork width is 10.3" (260 mm).

ELECTRICAL SYSTEM

B60-80XT trucks feature

Curtis PMC transistor control, which affords infinite speed variation and smooth, stepless acceleration to full speed. Other PMC features include:

- Slow-speed sensitivity, which maximizes truck control at the beginning of the acceleration range.
- Adjustable plugging, which allows the truck to brake smoothly to a precise stop, and accelerate in the opposite direction.
- Current limit protection, which protects the field-effect transistor from excessive current.
- Thermal protection, which protects the controller from overheating.
- Adjustable acceleration, which permits acceleration to be set to application requirements.

Adjustable current limit feature allows the amount of current draw to be regulated to application requirements. Static-return-to-off feature requires the handle in drive position before activating

direction control. Fault detection circuitry prevents operation when an electrical malfunction is detected in the traction circuit.

A covered battery is required. Open battery compartment design eliminates external straps and clamps.

Battery compartment size is 13.4" (340 mm) length x 32.0" (815 mm) width, length measured front to back of truck. Optional size is 9.0" x 32.0" (230 x 815 mm).

The 13.4" (340 mm) battery compartment houses 24-volt batteries up to 13.0" x 31.6" x 31.0" (330 x 805 x 790 mm).

The 9.0" (230 mm) compartment accommodates 24-volt batteries up to 8.8" x 31.6" x 31.0" (225 x 805 x 790 mm).

Maximum battery capacity (6-hour) is 840 AH, 19.4 kWh.

Maximum battery weight is 1,450 pounds (660 kg).

TRACTION SYSTEM

High-torque motor is an ideal match for the productivity demands of warehouse operation. G.E. series-wound motor is designed specifically for Hyster B60-80XT trucks. Output is 3.0 HP. Open motor construction permits easy inspection of brushes and reduces service time. Class H insulation provides excellent thermal protection.

Large-diameter (11" inside) ball bearing in master drive unit minimizes steering effort.

Standard 10"-diameter (255 mm) polyurethane drive tire combines outstanding durability with excellent traction. Rubber tire optional.

HYDRAULIC/LIFT SYSTEM

Hydraulic pump, motor and reservoir assembly activates single-acting lift cylinder. Relief

valve on gear-type pump protects system from excessive pressure. Plated rod and O-ring end-plug provide high-pressure seal.

The lift system is tension-type. All linkage pivot shafts and pull rods are made of high strength steel for durability. Pull rods are fully adjustable.

Lift motor shuts off at full fork height, increasing motor life.

OPERATOR AREA

Outstanding operator control, maneuverability and fork tip visibility make the Hyster B60-80XT trucks "productive by design."

Large platform (455 square inches) provides a comfortable ride during long runs. Platform is covered with a slip-resistant material. Cut-outs in base of hood provide extra foot space.

Top-mounted control handle pivots easily, provides outstanding steering control. Modular handle is tilted at 30-degree angle to provide convenient access to controls. Wide lift, lower and horn control buttons require minimal effort to reach and operate. Standard butterfly-type control provides precise control of acceleration. Rotary-grip accelerator control is optional. Standard high-speed switch provides fast speeds in long-run applications. Operator engages by depressing convenient switch once, and it remains engaged until the speed control is returned to neutral or the brake is applied.

Optional coast control improves productivity in order-picking applications.

Special attachments, equipment or accessories not listed above may be available through Hyster Industrial Truck dealers for specific application requirements.



HYSTER COMPANY

P.O. Box 847 • Danville, Illinois 61832-0847

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