



“Big Truck” Line

H800HD- H1050HD/S

Series A917



The Safe Choice





H800-1050HD/S SERIES

Hyster is pleased to announce a new line up of “Big Trucks.” The new H800HD-H1050HD/S lift trucks will conquer any challenge. If your desire is to move 80,000-105,000 pounds, then one of these models is for you. Hyster has incorporated proven designs from their very successful container handlers to create one of the most durable, dependable and most powerful trucks in the world.

Just think, you could be controlling the every move of a machine capable of moving over 100,000 pounds, while sitting in one of the most spacious and ergonomic cabs ever developed for a lift truck.

To be the leader, you must beat your competition. We at Hyster do not take this responsibility lightly. By pairing up only top quality components, Hyster can proudly match and/or surpass the competition.

Frame

- Proven box type frame construction used on the H1050HD-H1150HD-CH
- Drive axle bolted under the chassis to eliminate frame fatigue
- Two chassis options:
 - H800HD, H900HD, H970HD and H1050HDS all come with a 212” wheel base
 - H1050HD comes with a 232” wheel base

Operator’s Cabin

- ComforCab II™, used on all HD models
- Optimal front mounting for enhanced visibility
- 3-way adjustable seat, 6-way adjustable arm rest control module
- “Soft touch” mini levers offer a more ergonomic design
- Multi-function display panel located to the right of operator
- Lever controls or optional joystick provide optimum hydraulic control
- Warning light on steering column will illuminate if attention needs to be shifted to the instrument panel
- High capacity heater system and multiple vents provide adequate comfort
- Anti-vibration mounts are used to reduce cab shock
- 3 point hand rail access



Engine and Transmission:

- Cummins QSM 11, tier III 300HP 6 cylinders with 660 cu.in. of displacement
- Both the Cummins Engine and S.O.H. TE 27 transmission have shutdown systems monitoring low oil/high temperatures. In the event this would happen, the lift truck would de-rate. If the unit continued to show either low oil or high temperatures, the unit would power down.
- Equipped with a fully automatic, load-sensitive and extremely smooth shifting APC200 system, allowing for manual shifting of the transmission, if desired.
- Fitted with a protective lock-out against forward-reverse shifting at speed.
- When compared to the previous 36000 transmission, the TE 27 has a 15% increase in power rating and the pump drives by 17%. First and second speed clutch surfaces have increase by 33% and the forward-reverse shifting clutches increased by 20%.
- Maximum torque capacity for the TE 27 transmission is 1991ft./lbs.

Optional Engine and Transmission:

- Cummins QSM 11, tier III 365HP 6 cylinders with 660 cu.in. of displacement
- Same engine/transmission shutdown system previously mentioned to monitor low oil and high temperatures.
- Has the same load sensing, smooth shifting and lock-out as the TE27.
- When compared to the previous 40000 transmission, the TE32 has an 18% increase in power rating. The clutch surface at first speed has increase by 12%, while the second speed clutch surface has increased by 7%.
- Maximum torque capacity for the TE32 transmission is 2360 ft./lbs.

Steer Axle

- The same Kessler steer axle introduced on the H1050-1150HD-CH is a proven design which is now used on the H800-1050HD/S
- Cantilevered axle pivot, offers an unmatched turning radius and a reduction in steer tire wear
- Hydrostatic design provides effortless steering

Drive Axle

- AxleTech™ PRC 7534
- Optimum lateral stability is produced using a wide drive axle
- Same AxleTech™ drive axle that is used on the H1050HD- H1150HD-CH loaded container handler and YardMaster™ II
- Drive axle is bolted to the frame of the truck for ease of maintenance
- Multiple wet disc brakes are incorporated in the drive axle to provide excellent control and longer life
- Brakes are cooled by a separate oil cooler located in the radiator package; cooling oil is filtered as it returns to the tank





Brake System

- Oil cooled hydraulic wet disc brakes
- Virtually maintenance free sealed design
- Parking brake is spring actuated, hydraulic released automotive style disc brake located on the drive axle

Controls and Instruments

- Multi-function display console located to the right of the operator
- Warning lights, gauges, and LCD located on display, provides machine status
 - Light codes will flash in a sequence that corresponds to fault codes
- Warning light is mounted in the steering column to inform operator to view the display console
- Switches are mounted on the right armrest and console
- Joystick or lever option is available

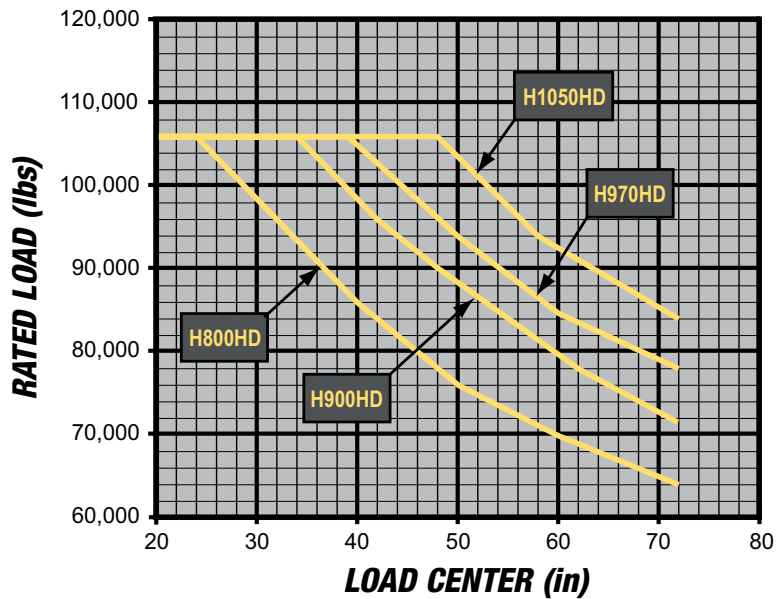
Hydraulic System

- Incorporates tandem gear pumps to provide maximum performance
- Proven filtration system will enhance cleanliness
- Centralized, inboard mounting of hydraulic components
- Simplified hose routing
- Pilot operated hydraulic system that is simple, reliable and easy to diagnose
- Reliable ORFS fittings contribute to leak free operations
- Side mounted bolt on 136 gallon hydraulic tank

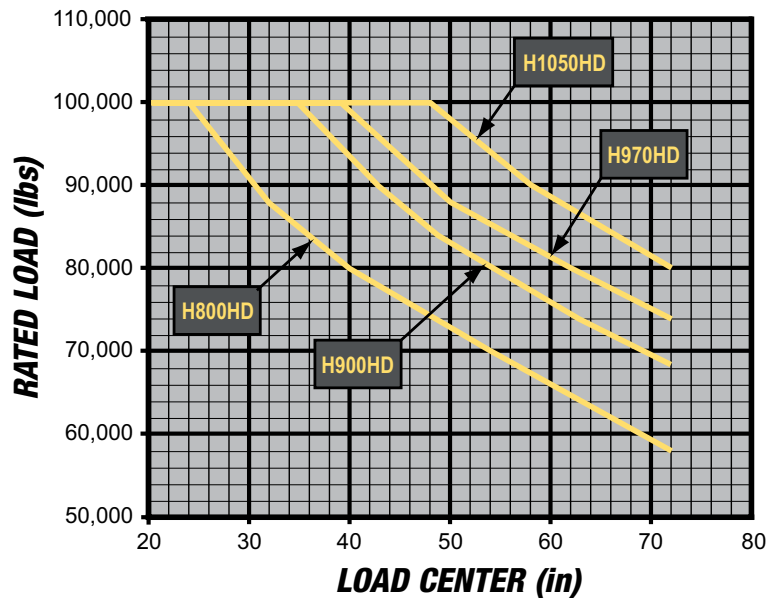
Electrical System

- Sealed Deutsch connectors are used throughout
- Wires are single colored and numbered for ease of tracing
- 70 amp Delco alternator
- Wired to meet UL 558 requirements
- (2) 12V 900A cold cranking amp batteries
- Unit is equipped with LCD warning system

RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
U. S. CUSTOMARY

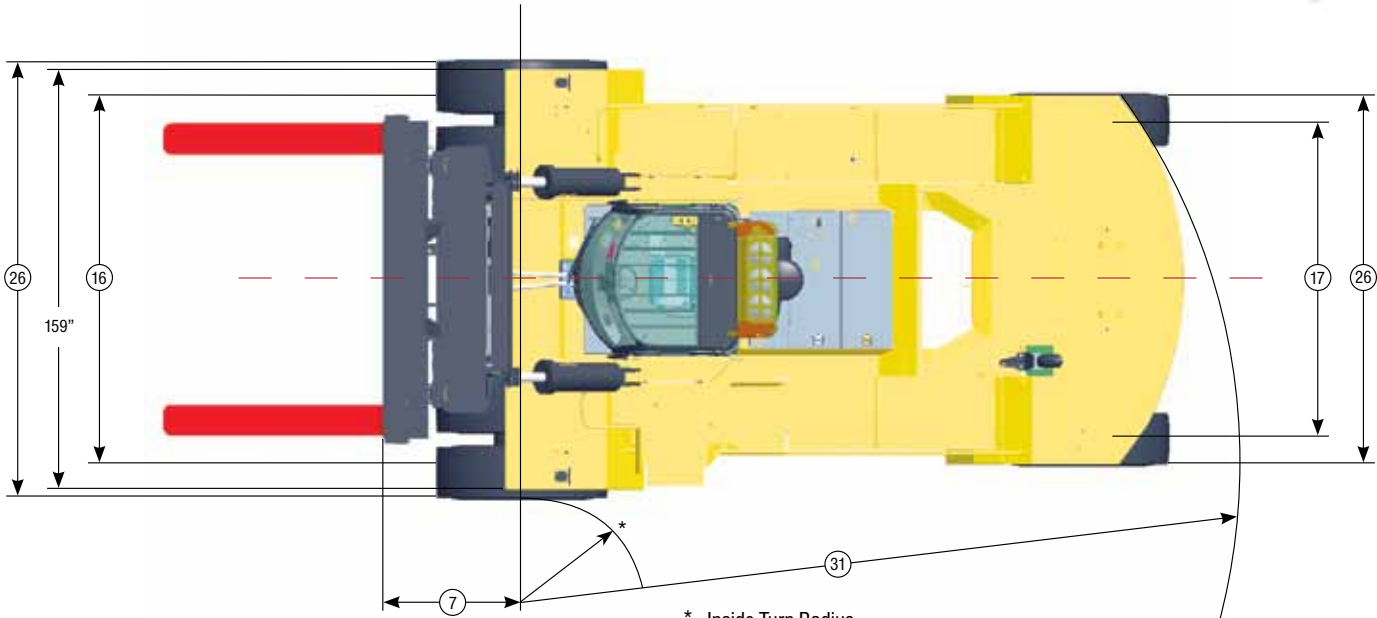


RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT CARRIAGE
U. S. CUSTOMARY

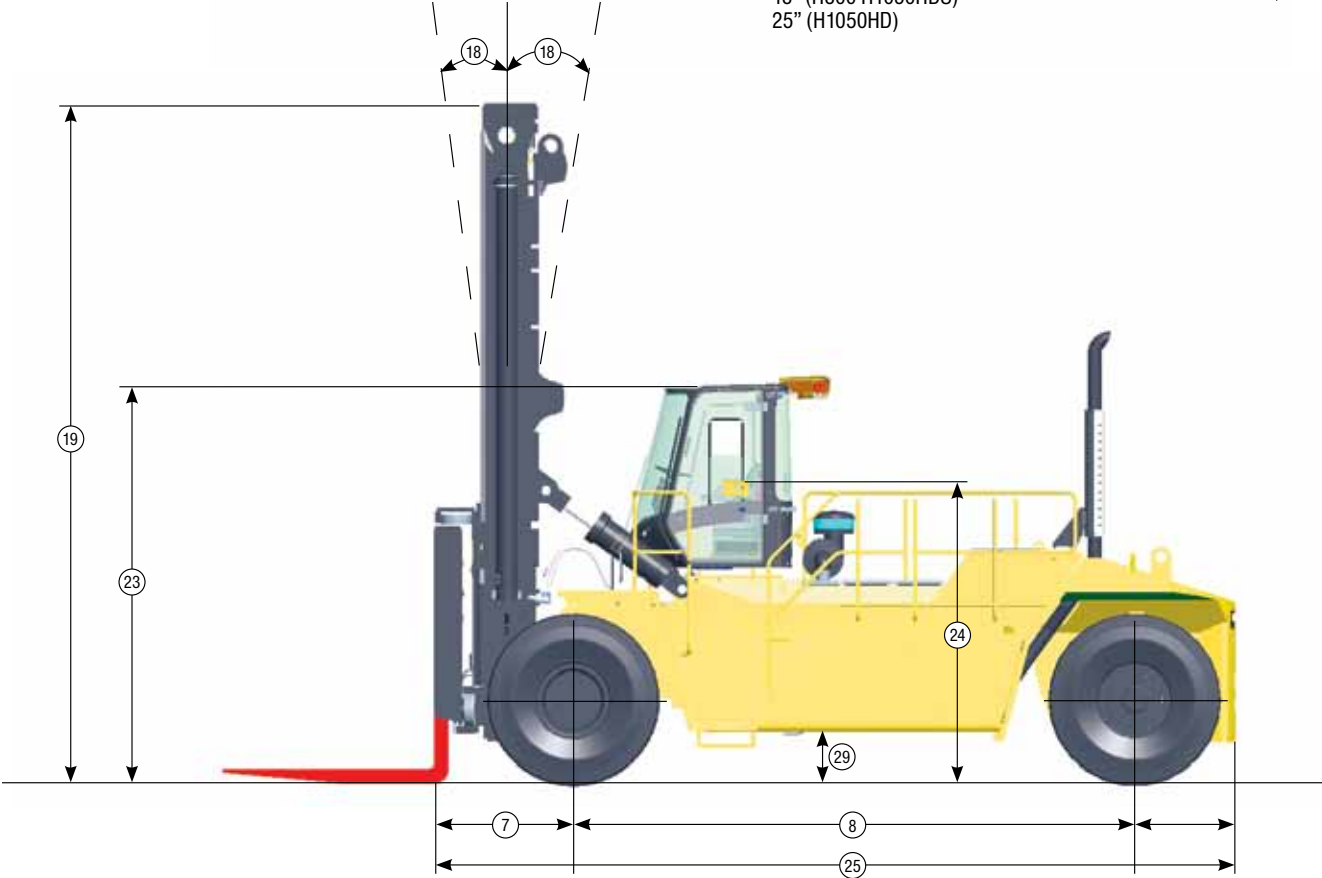


TRUCK CONFIGURATION:

- 2-Stage Mast - 281" (7153 mm) Maximum Fork Height (MFH).
- 124" (3150 mm) Standard Carriage.
- Basic truck equipped with the Cummins 300hp engine with S.O.H 3-speed transmission.



* Inside Turn Radius
18" (H800-H1050HDS)
25" (H1050HD)



SPECIFICATIONS

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		HYSTER COMPANY		HYSTER COMPANY		HYSTER COMPANY			
CHARACTERISTICS	1	Manufacturer	HYSTER COMPANY		HYSTER COMPANY		HYSTER COMPANY		
	2	Model designation	H800HD		H900HD		H970HD		
	3	Power: Battery, Diesel, LPG, Electric mains	Diesel		Diesel		Diesel		
	4	Operation: manual, pedestrian, stand, seat, orderpicker	Seat		Seat		Seat		
	5	Load capacity	lbs.	80,000	90,000	90,000	97,002	97,002	
	6	Load center	in.	48	48	48	48	48	
	7	Load distance	in.	50	50	50	50	50	
	8	Wheelbase	in.	212	212	212	212	212	
WEIGHTS	9	Unladen weight	lbs	112,742	118,981	118,981	123,831	123,831	
	10	Axle loading with load, front / rear	lbs	181,586	10,523	197,649	11,281	208,173	12,661
	11	Axle loading without load, front / rear	lbs	66,699	46,043	67,444	51,537	67,755	56,077
WHEELS & TIRES		Stability factor							
	12	L=pneumatics, V=solids, SE=pneumatic-shaped solids	Pneumatic		Pneumatic		Pneumatic		
	13	Tire size, front	18.00 x 25 36PR		18.00 x 25 36PR		18.00 x 25 40PR		
	14	Tire size, rear	18.00 x 25 36PR		18.00 x 25 36PR		18.00 x 25 36PR		
	15	Number of wheels, front / rear (X driven)	x 4 / 2		x 4 / 2		x 4 / 2		
	16	Tread width, front	in.	119	119	119	119	119	
	17	Tread width, rear	in.	121	121	121	121	121	
	18	Mast tilt: forward / backward	degree	6°	10°	6°	10°	6°	10°
DIMENSIONS	19	Height of mast lowered / extended	in.	203 / 287	203 / 287	203 / 287	203 / 287	203 / 287	
	20	Freelift	in.	0	0	0	0	0	
	21	Lift height (Top of fork)	in.	174	174	174	174	174	
	23	Cab height	in.	153	153	153	153	153	
	24	Seat height	in.	139	139	139	139	139	
	25	Overall length	in.	300	300	300	300	300	
	26	Overall width, drive / steer	in.	165 / 139	165 / 139	165 / 139	165 / 139	165 / 139	
	27	Side shift movement - Total	in.	12	12	12	12	12	
	28	Ground clearance, under mast with load	in.	14	14	14	14	14	
	29	Ground clearance, center of wheelbase	in.	17	17	17	17	17	
	30	Aisle width with 96" forks	in.	461	461	461	461	461	
	31	Outside turning radius	in.	292	292	292	292	292	
	32	Distance center truck to center of inner turning circle	in.	133	133	133	133	133	
	PERFORMANCE	33	Travel speed with / without load	mph	12	14	12	14	12
34		Lifting speed with / without load	ft/min	49	59	49	59	49	59
35		Lowering speed with / without load	ft/min	98	98	98	98	98	98
36		Drawbar pull with / without load	lbf	177,014	171,114	176,277	171,114	176,277	171,114
37		Gradeability with / without load	%	24	39	27	42	27	42
38		Service brake	Oil Immersed Disc		Oil Immersed Disc		Oil Immersed Disc		
ENGINE	39	Engine manufacturer / type	Cummins	QSM 11	Cummins	QSM 11	Cummins	QSM 11	
	40	Engine output according to ISO 1585	hp	300	300	300	300	300	
	41	Governed speed	RPM	2,100	2,100	2,100	2,100	2,100	2,100
	42	Number of cylinders / displacement	cu. in.	6	660	6	660	6	660
	43	Fuel consumption in accordance to VDI	gallon/h	6.08	6.08	6.08	6.08	6.08	6.08
OTHERS	44	Drive control	Torque Converter		Torque Converter		Torque Converter		
	45	Working pressure for attachments	psi	3,553	3,553	3,553	3,553	3,553	
	46	Oil flow for attachments	gallon/min	24	24	24	24	24	
	47	Average noise level at driver's ear	dB (A)	73	73	73	73	73	
	48	Towing coupling model / type		Pin	Pin	Pin	Pin	Pin	

H800HD-H 1050HD/S

CHARACTERISTICS	1	Manufacturer	HYSTER COMPANY		HYSTER COMPANY		
	2	Model designation	H1050HDS		H1050HD		
	3	Power: Battery, Diesel, LPG, Electric mains	Diesel		Diesel		
	4	Operation: manual, pedestrian, stand, seat, orderpicker	Seat		Seat		
	5	Load capacity	lbs.	105,821		105,821	
	6	Load center	in.	48		48	
	7	Load distance	in.	50		50	
	8	Wheelbase	in.	212		232	
WEIGHTS	9	Unladen weight	lbs	128,836		122,200	
	10	Axle loading with load, front / rear	lbs	220,921	13,737	213,842	14,180
	11	Axle loading without load, front / rear	lbs	67,739	61,097	64,794	57,406
WHEELS & TIRES		Stability factor					
	12	L=pneumatics, V=solids, SE=pneumatic-shaped solids	Pneumatic		Pneumatic		
	13	Tire size, front	18.00 x 25 40PR		18.00 x 25 40PR		
	14	Tire size, rear	18.00 x 25 36PR		18.00 x 25 36PR		
	15	Number of wheels, front / rear (X driven)	x 4 / 2		x 4 / 2		
	16	Tread width, front	in.	119		119	
	17	Tread width, rear	in.	121		121	
DIMENSIONS	18	Mast tilt: forward / backward	degree	6°	10°	6°	10°
	19	Height of mast lowered / extended	in.	203 / 287		203 / 287	
	20	Freelift	in.	0		0	
	21	Lift height (Top of fork)	in.	174		174	
	23	Cab height	in.	153		153	
	24	Seat height	in.	139		139	
	25	Overall length	in.	300		320	
	26	Overall width, drive / steer	in.	165 / 139		165 / 139	
	27	Side shift movement – Total	in.	12		12	
	28	Ground clearance, under mast with load	in.	14		14	
	29	Ground clearance, center of wheelbase	in.	17		17	
	30	Aisle width with 96" forks	in.	461		461	
	31	Outside turning radius	in.	292		312	
	32	Distance center truck to center of inner turning circle	in.	133		133	
PERFORMANCE	33	Travel speed with / without load	mph	12	14	12	14
	34	Lifting speed with / without load	ft/min	49	59	49	59
	35	Lowering speed with / without load	ft/min	98	98	98	98
	36	Drawbar pull with / without load	lbf	176,277	171,114	176,277	171,114
	37	Gradeability with / without load	%	27	42	27	42
	38	Service brake	Oil Immersed Disc		Oil Immersed Disc		
ENGINE	39	Engine manufacturer / type	Cummins	QSM 11	Cummins	QSM 11	
	40	Engine output according to ISO 1585	hp	300		300	
	41	Governed speed	RPM	2,100	2,100	2,100	2,100
	42	Number of cylinders / displacement	cu. in.	6	660	6	660
	43	Fuel consumption in accordance to VDI	gallon/h	6.08		6.08	
OTHERS	44	Drive control	Torque Converter		Torque Converter		
	45	Working pressure for attachments	psi	3,553		3,553	
	46	Oil flow for attachments	gallon/min	24		24	
	47	Average noise level at driver's ear	dB (A)	73		73	
	48	Towing coupling model / type	Pin		Pin		

CERTIFICATION: These Hyster™ lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Dealer.





FLEET SERVICES



HYSTER CAPITAL

A Division of NMHG Financial Services, Inc.

It's not just about the lift trucks.

Any company worth its weight knows success has just as much to do with the support before and after the sale as the sale itself. We pride ourselves on being more than just a lift truck manufacturer. Through our Dealer Network, we're also fleet managers, parts suppliers, capital procurement specialists and trainers. You'll find that when it comes to service, we do it all.

Hyster Fleet Services

As much as we'd like for your entire fleet to be Hyster, we know that's not always the case. But just because you also operate other brands doesn't mean we can't manage your lift truck maintenance and replacement plan. We can analyze your current fleet or provide summary of your fleet history and a cost-effective proposal for replacement and scheduled maintenance of all your vehicles. Once this initial review is complete, we'll continue to monitor your fleet to ensure it's performing optimally.

UNISOURCE™ Parts Program

In addition to providing fleet management for a variety of brands, we can also serve as your source of parts for all your lift trucks. With the Hyster UNISOURCE parts and service program, we offer approximately 2 million part number crosses for most brands of materials handling and other in-plant mobile equipment. UNISOURCE also has remanufactured parts that provide the same quality and guarantee but at a lower price. And we can deliver parts to you in less than 24 hours, any day of the week. How's that for convenience?

Rental Products

At Hyster Company, we're always looking for ways to help you keep your productivity up. Through the Hyster Dealer Network, you can access rental equipment for the times when leasing or buying isn't a practical option. Your local Hyster Dealer has access to over 14,000 units that are available for short- or long-term rental. Whether you need one truck to substitute for a vehicle that's being serviced or several lift trucks to accommodate seasonal changes in your business, we'll help you maintain output in a cost-effective manner.

Hyster Capital

We know that financing new additions to your fleet can sometimes be challenging. That's why your Hyster Dealer has a long list of ways for you to fund your purchase. We are skilled in arranging 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 better service and competitive rates, ensuring you receive the value you deserve.

Special Products Engineering Department (SPED)

In a perfect world, every application could be handled with a standard lift truck. However, in the real world, different materials require different handling. That's why Hyster Company's Special Products Engineering Department works with you to customize* your lift trucks. From strobe lights to specially made forks, SPED can provide you with the tools you require to get the job done right.

** May be subject to an additional charge. Contact your local authorized Hyster Dealer for more information.*

Automated Warehouse Solutions

As society's technological capabilities advance, we strive to find practical applications. One of our most recent innovations in that pursuit is our development of automated warehouse solutions. We can help you determine if your operation would benefit from this type of system, which improves inventory accuracy, warehouse productivity and safety records, as it reduces maintenance and overtime.

Operator and Service Training



Hyster Company recognizes that proper training is a key element of a profitable company. That's why your local authorized Hyster Dealer offers a training program for your lift truck operators as well as those who maintain your vehicles. Proper education in running and servicing lift trucks cuts down on the number of repairs and risk of injuries due to accidents while increasing productivity. All of our trainers are professionals with experience in materials handling.





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Part No. H800-1050HD/S BTG
12/2009 Litho in U.S.A.

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or call us at 1-800-HYSTER-1.**

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