

**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**CLASS - V
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE**

CLASS V – CONTENTS

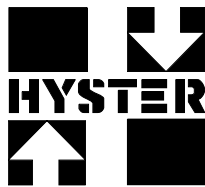
SERIES – MODEL	PAGE
E001 – H25, 30, 35, 40XMS	2
H177 – H45, 50, 55, 60, 65XM	8
K005 – H70, 80XM, 90XMS, 100, 110, 120XM	17
F006 – H135, 155XL2	26
F007 – H170, 190,210,230,250,280HD	33
E019 – H300, 330, 360HD	35

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EFFECTIVE: 04/14/03

CHALLENGER- 1

REPLACES: 04/15/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H25,30,35,40XMS
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE E001**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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**Challenger – Class V
E001 – H25, 30, 35, 40XMS**

ACCUMULATOR

Note: Cowl mounted components may require restricted back tilt; contact SPED.

Parker 1-quart piston type.....	Q001-02	\$1,050.	14
Hydra Smooth 1-quart piston type	Q001-06	\$1,560.	14

ALTERNATOR

30-Amp output with Integral Regulator – brushes and bearings are sealed.

UL APPROVED. Standard on units with UL type GS, LPS, or DS option on order.

Requires Mazda Gas or LP (FE) engine option on order	Q006-15	\$650.	12
Requires Mazda Diesel (HA) engine option on order	Q006-17	\$650.	12

BELLY PAN

Acts as splashguard only – does not completely enclose underside of frame.

Includes cutouts for access to drain plugs..... SPED

CARRIAGE

See Introduction for Notes.

COLD START AID

Engine block heater requires 110 Volt AC outlet.....	Q048-01	\$950.	14
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COOLING SYSTEM

Open Core Radiator (Anti-Clog) with Lint Screen and High Speed Fan	Q130-10	\$900.	12
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ENGINE AIR FILTER

Precleaner mounted on overhead guard. NOT AVAILABLE with Cab.

NOT AVAILABLE w/CARB Emissions Compliant Engine.	Q004-04	\$570.	14
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NOTE: For Foundry Construction Item Q004-04 is included.

ENGINE SHUTDOWN SYSTEM

High water and transmission temperature, low oil pressure conditions. UL APPROVED.

Requires gas engine	Q069-01	\$470.	8
Requires LP gas engine.....	Q069-02	\$470.	8
Requires diesel engine	Q069-03	\$470.	8

Seat actuated if operator does NOT set park brake. VOIDS UL APPROVAL.

Requires gas engine	Q069-08	\$550.	8
Requires LP gas engine.....	Q069-09	\$550.	8
Requires diesel engine	Q069-10	\$550.	8

Seat actuated if operator does NOT return the column mounted directional control lever to the neutral position. Requires column lever options on order. VOIDS UL APPROVAL.

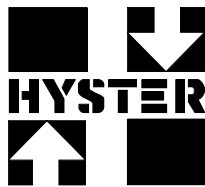
Requires gas engine	Q069-11	\$650.	8
Requires LP gas engine.....	Q069-12	\$650.	8
Requires diesel engine	Q069-13	\$650.	8

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EFFECTIVE: 04/14/03

CHALLENGER- 2

REPLACES: 12/12/02



HYSTER COMPANY **SPED PRICE LIST** **APPLICATIONS ENGINEERING DEPARTMENT**

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PNEUMATIC TIRE
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Description	Item No.	Price	Availability (In Weeks *)
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ENGINE WARNING SYSTEM

High water temperature and low oil pressure conditions.

Includes warning light and buzzer – VOIDS UL APPROVAL	Q180-01	\$650.	10
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EXHAUST SYSTEM

Catalytic muffler replaces standard or catalyst added in exhaust line.

VOIDS UL APPROVAL. Requires gas or LP gas engine on order.....	Q068-10	\$1,250.	12
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VOIDS UL APPROVAL. Requires diesel engine on order	Q068-11	\$1,400.	12
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FILTER

Hydraulic tank breather filter- - 10 micron filter replaces standard	Q120-02	\$330	4
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FIRE EXTINGUISHER

5 lb. dry chemical	Q080-01	\$270.	4
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5 lb. CO ₂	Q080-02	\$550.	4
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FORK

See Introduction for Notes.

FORK-HOOK TYPE, PALLET STYLE

Specify length in 2" increments on order.

ITA Class	Section	Length				
II	40mm x 100mm	32"-34"		Q086-36	\$325. pr.	12
	(1.5" x 4")	38"-40"		Q086-37	\$390. pr.	12
		44"-46"		Q086-38	\$420. pr.	12
		50"-52"		Q086-39	\$465. pr.	12

FORK-HOOK TYPE, POLISHED & TAPERED STYLE- FULL TOP TAPER

Specify length in 2" increments on order.

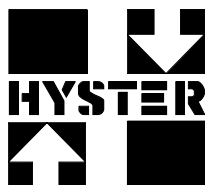
ITA Class	Section	Length				
II	40mm x 100 mm	30".....		Q380-01	\$430. pr.	12
	(1.5"x 4")	32"-34".....		Q380-02	\$455. pr.	12
		38"-40".....		Q380-03	\$470. pr.	12
		44"-46".....		Q380-04	\$495. pr.	12
		50"-54".....		Q380-05	\$520. pr.	12
		56"-60".....		Q380-06	\$540. pr.	12
		62"-72".....		Q380-07	\$645. pr.	12

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EFFECTIVE: 04/14/03

CHALLENGER- 3

REPLACES: 12/12/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H25,30,35,40XMS
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PNEUMATIC TIRE
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Description	Item No.	Price	Availability (In Weeks *)
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FORK-HOOK TYPE, POLISHED & TAPERED STYLE- FULL BOTTOM TAPER

Specify length in 2" increments on order.

ITA

Class	Section	Length			
II	40mm x 100 mm (1.5"x 4")	30"	Q380-40	\$430. pr.	12
		32"-34"	Q380-41	\$455. pr.	12
		38"-40"	Q380-42	\$470. pr.	12
		44"-46"	Q380-43	\$495. pr.	12
		50"-54"	Q380-44	\$520. pr.	12
		56"-60"	Q380-45	\$540. pr.	12
		62"-72"	Q380-46	\$645. pr.	12

FOUNDRY CONSTRUCTION

Foundry Package NOT AVAILABLE on units with CAB.

Includes:

- 10 micron hydraulic tank breather filter (see Filter)
- 30-amp alternator with sealed brushes and bearings with integral regulator (see Alternator)
- Includes Cyclopac type heavy duty air cleaner element

Options:

- Fire resistant hydraulic fluid (See Hydraulic Fluid)
- Magnetic drain plug in hydraulic tank to attract metal particles (Contact SPED)
- Engine air restriction indicator (see Indicator)

Package:

Requires Mazda gas or LP gas engine and UL type G or LP options					
NOT AVAILABLE w/CARB Emissions Compliant Engine.....	Q349-18	\$1,740.			14
Requires Mazda gas or LP gas engine and UL type GS or LPS options					
NOT AVAILABLE w/CARB Emissions Complaint Engine.....	Q349-19	\$1,500.			14
Requires diesel engine and UL type D options on order.....	Q349-22	\$2,050.			14
Requires diesel engine and UL type DS options on order	Q349-23	\$1,725.			14

FUEL SYSTEM

Note: CHANGES TO THE FUEL SYSTEM MAY RESULT IN VARIANCES TO PUBLISHED VALUES; CONTACT SPED IF CRITICAL.

Dual fuel – gas and LP gas. Includes production LP tank mounting bracket and LP fuel tank. Requires gas engine option on order.					
	Q095-04	\$1,850.			18
LPG hose-stainless steel wire braid. UL Approved.					
Requires LP gas engine option on order	Q095-03	\$225.			6

FUEL TANK

LP gas tank – steel LP gas engine option on order. FACTORY NSTALLLED ONLY.					
33.5# ICC tank	Q060-02	\$370			5

GROUND STRAP (STATIC STRAP)

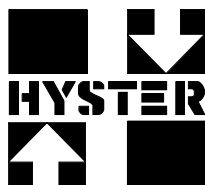
Prevents build up of static electricity on frame and steer axle.....	Q108-01	\$85.			2
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EFFECTIVE: 04/14/03

CHALLENGER- 4

REPLACES: 12/12/02



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HYDRAULIC FITTING-QUICK DISCONNECT

Male and female hydraulic fittings and tubes to allow an attachment to be quickly disconnected from the hydraulic supply for removal. Includes complete quick disconnect fittings for each function. Not normally required for integrally mounted attachments. 4-function disconnect requires 4-function hose group and control valve on order.

Vista 2-Stage Limited Free Lift Mast

One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-16	\$650.	14
	-4 Function – High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-17	\$650.	14
Two pair disconnects	-4 Function - High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-18	\$990.	14

Vista 2-Stage Full Free Lift Mast

One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-19	\$650.	14
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-20	\$650.	14
Two pair disconnects	-4 Function- High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-21	\$990.	14

Vista 3-Stage Full Free Lift Mast

One pair disconnect	-3 Function– High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-22	\$685.	14
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-23	\$685.	14
Two pair disconnects	-4 Function High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-24	\$990.	14
Other Mast Styles or 5 function hose groups.....			SPED	

LIGHT-HEAD

NOT AVAILABLE with Price List Light Options (consult Truck Price List for light options offered prior to quoting to a customer). UL APPROVED for all classifications. Maximum order quantity is 2 per truck.

Headlight – separate switch actuated.....	Q401-01	\$475.ea.	8
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LIGHT-STROBE

Continuous strobe, key switch actuated, UL APPROVED.

Overhead guard top mounted – increases truck height approximately 7".

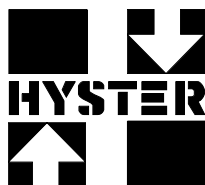
Red	Q393-13	\$420.	12
Amber	Q393-14	\$420.	12
Mounted below overhead guard top.			
Red	Q393-15	\$420.	12

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EFFECTIVE: 04/14/03

CHALLENGER- 5

REPLACES: 12/12/02



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COUNTERBALANCED
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Description	Item No.	Price	Availability (In Weeks *)
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LINT/COTTON CONSTRUCTION

Contact Application Engineering.

LOAD BACKREST EXTENSION

See Introduction for Notes.

Carriage or Attachment Width	Height 36"	42"	48"	60"	
38.5"	Q166-11 \$465.	Q166-12 495.	P.L.	Q166-14 535.	14
42"	Q166-15 \$500.	Q166-16 515.	Q166-17 500.	Q166-18 570.	14
48"	Q166-19 \$535.	Q166-20 555.	Q166-21 530.	Q166-22 610.	14

LUBRICANT/COATING

Electrical terminals sprayed with waterproof plastic	Q145-01	\$200.	6
Unpainted parts coated with low temperature grease	Q145-02	\$200.	6
Lift chains saturated with low temperature grease			
Requires mast on order	Q145-03	\$200.	6

NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100. net	4
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MIRROR

Price list cab options do not include this mirror.

Rearview mirror. NOT intended for reverse driving.	Q177-01	\$150.	6
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OVERHEAD GUARD

Wire mesh added to top increases height approximately 3/8"	Q153-01	\$275.	8
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Order for standard or special overhead guard.

OVERHEAD GUARD-LOWERED/RAISED

Contact SPED with specific overall height needed. Note: (+/- 0.75") tolerance for Overall Height (OAH).

SEAT

Fabric covered non-suspension seat replacing vinyl covered non-suspension seat.

Includes seat adjustment and operator restraints. Not recommended for outdoor applications without a cab.

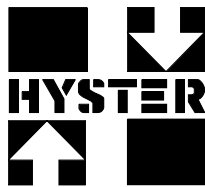
Requires Non-Suspension seat option on order.....	Q252-01	\$75.	12
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EFFECTIVE: 04/14/03

CHALLENGER- 6

REPLACES: 12/12/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H25,30,35,40XMS
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE E001**

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Description	Item No.	Price	Availability (In Weeks *)
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SEAT-LOW PROFILE

Low profile seat replacing standard seat increases operator head clearance approximately 1".
Requires non-suspension seat option on order.

Vinyl covering.....	Q397-02	\$875.	12
Fabric covering	Q397-03	\$875.	12

SEAT-SUSPENSION

Semi-Suspension – Vinyl	Q065-01	\$615.	12
Semi-Suspension – Cloth	Q065-02	\$685.	12

Full Suspension Swivel seat swivels 10.5° to the Right and 5.5° to the Left. Requires standard (raised) OHG on order. Not for use with Raised Seat – Contact Applications Engineering. Not compatible with any lowered OHG.

Swivel-Full Suspension – Vinyl	Q398-11	\$975.	12
Swivel-Full Suspension – Fabric.....	Q398-10	\$975.	12

TIRES

See Introduction for Notes.

TIRE-DRIVE

Pneumatic Shaped Solid Drive-Monarch (Trelleborg) 6.5 x 10	Q111-04	\$1,175. pr.	10
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TIRE-STEER

Pneumatic Shaped Solid Steer-Monarch (Trelleborg) Mono-Matic. 5.00 x 8	Q270-01	\$600. pr	12
Mono-Matic Soft Shoe (White Label) 5.00 x 8	Q270-04	\$670. pr.	12

TRANSMISSION

Auxiliary Transmission Oil Cooler.....	Q297-03	\$650.	12
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TREAD

Standard Tread with Hi-Lift Mast and Reduced Capacity Acceptance

Allows the use of Standard Tread in conjunction with Hi-Lift Mast. The Dealer and Customer understand that there will be a reduction in the capacity of the truck. Dealers should contact Applications Engineering

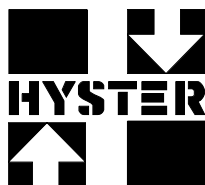
for specific capacity ratings.....	Q206-98	\$0.	Prod.
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EFFECTIVE: 04/14/03

CHALLENGER- 7

REPLACES: 12/12/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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H177 – H45, 50, 55, 60, 65XM

ACCUMULATOR

Note: Cowl mounted components may require restricted back tilt, contact SPED.

Hydra Smooth 1-quart piston type	Q001-06	\$1,560.	14
Parker 1-quart piston type.....	Q001-02	\$1,260.	14

ALTERNATOR - SEALED

30 Amp output with Integral Regulator – brushes and bearings are sealed.

UL APPROVED. Standard on units with UL type GS, LPS, or DS option on order.

Requires Mazda gas or LP gas engine option on order	Q006-15	\$525.	10
Requires GM gas or LP gas engine option on order	Q006-16	\$525.	10
Requires Isuzu or Mazda diesel engine option on order	Q006-17	\$645.	10

AUXILIARY COUNTERWEIGHT SLAB

Designed to achieve 6000 pounds of capacity to approximately 164" of lift height with triplex mast and integral sideshift. Contact Application Engineering for specific capacity information BEFORE ordering. Some configurations may achieve capacity greater than 6000 pounds. Nameplate will reflect a MAXIMUM rating of 6000 pounds unless you have submitted a Truck Capacity Request (TCR), and been issued a specific capacity quote by Application Engineering. The special capacity quote must then be included as an item on your truck order along with the Auxiliary Counterweight Slab option Q36910.

Requires 2x5 Forks.....	Q369-10	\$1,250	8-10
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BELLY PAN

Acts as splashguard only – does not completely enclose underside of frame.

Includes cutouts for access to drain plugs.....	Q026-01	\$310.	8
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CARRIAGE

See Introduction for Notes.

CARRIAGE-HOOK TYPE, VISTA 2-STAGE FULL FREE LIFT MAST

Width	ITA Class	Forks Ref.					
48"	II	P.L.	H45-55XM	Q465-03	\$1,500.	14	
48"	III	P.L.	H60-65XM	Q465-07	\$1,500.	14	

CARRIAGE-HOOK TYPE, VISTA 2-STAGE LIMITED FREE LIFT MAST

Width	ITA Class	Forks Ref.					
48"	II	P.L.	H45-55XM	Q296-22	\$1,500.	10	
48"	III	P.L.	H60-65XM	Q296-31	\$1,500.	10	

CARRIAGE-HOOK TYPE, VISTA 3-STAGE FULL FREE LIFT MAST

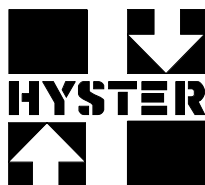
Width	ITA Class	Forks Ref.					
48"	II	P.L.	H45-55XM	Q467-03	\$1,500.	10	
48"	III	P.L.	H60-65XM	Q467-08	\$1,500.	10	
54"	III	P.L.	H60-65XM	Q467-09	\$1,600.	10	
60"	III	P.L.	H60-65XM	Q467-10	\$2,300.	10	

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EFFECTIVE: 04/14/03f

CHALLENGER- 8

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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CARRIAGE-HOOK TYPE, 4-STAGE (QUAD) MAST

See [MAST-QUAD](#).

COLD START AID

Engine block heater requires 110 Volt AC outlet.....	Q048-01	\$770.	16
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ENGINE AIR FILTER

Precleaner mounted on overhead guard. NOT AVAILABLE with Cab.

NOT AVAILABLE w/CARB Emissions Compliant Engine.	Q004-04	\$450.	11
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NOTE: For Foundry Construction Item Q004-04 is included.

Precleaner mounted on overhead guard. Compatible with Production Cab

NOT AVAILABLE w/CARB Emissions Compliant Engine	Q004-06	\$750.	11
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ENGINE SHUTDOWN SYSTEM

High water temperature, low oil pressure conditions and high transmission temperature.

UL APPROVED.

Requires gas engine	Q069-01	\$675.	16
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Requires LP gas engine.....	Q069-02	\$675.	16
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Requires diesel engine	Q069-03	\$675.	16
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Seat actuated if operator does NOT set park brake. VOIDS UL APPROVAL.

Requires gas engine	Q069-08	\$450.	10
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Requires LP gas engine.....	Q069-09	\$450.	10
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Requires diesel engine	Q069-10	\$450.	10
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Seat actuated if operator does NOT return the column mounted directional control lever to the neutral position. Requires powershift transmission and column lever options on order. VOIDS UL APPROVAL.

Requires gas engine	Q069-11	\$750.	12
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Requires LP gas engine.....	Q069-12	\$750.	12
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Requires diesel engine	Q069-13	\$750.	12
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EXHAUST SYSTEM

Catalytic muffler replaces standard or catalyst added in exhaust line.

VOIDS UL APPROVAL. Requires gas or LP gas engine on order.....	Q068-10	\$1,565.	10
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VOIDS UL APPROVAL. Requires diesel engine on order	Q068-11	\$1,400.	10
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FILTER

Hydraulic tank breather filter - 10 micron filter replaces standard	Q120-02	\$185	8
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Lint Screen-Removable Screen for Cleaning

3.0L GM Engine	Q120-10	\$740.	19
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FE/F2 Engine	Q120-11	\$740.	19
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2.6L Diesel Engine.....	Q120-12	\$740.	19
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FIRE EXTINGUISHER

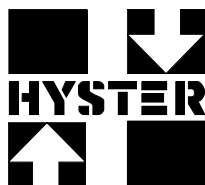
5 lb. dry chemical	Q080-01	\$350.	4
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EFFECTIVE: 04/14/03f

CHALLENGER- 9

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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FORK

See Introduction for Notes.

FORK-HOOK TYPE, PALLET STYLE

Specify length in 2" increments on order. (Contact Applications Engineering for additional lengths)

ITA			
Class	Section	Length	
II	40mm x 125mm (1.5" X 5")	38"-40"	H45-55XM..... Q086-41 \$750. pr. 12
		56"-58"	H45-55XM..... Q086-44 \$800. pr. 12
III	50mm x 125mm (2" X 5")	38"-40"	H60-65XM..... Q086-19 \$740. pr. 12
		54"	H60-65XM..... Q086-53 \$800. pr. 10
		56"-58"	H60-65XM..... Q086-22 \$800. pr. 10
		72"	H60-65XM..... Q086-54 \$940. pr. 10

FORK-HOOK TYPE, POLISHED & TAPERED STYLE

Specify length in 2" increments on order.

ITA			
Class	Section	Length	
II	40mm x 125mm (1.5 x 5)	38-40	 Q380-10 \$840. pr. 12
III	50mm x 125mm (2" x 5")	36"	H60-65XM..... Q380-21 \$980. pr. 12
		38" – 40"	H60-65XM..... Q380-22 \$1,020. pr. 12
		44" – 48"	H60-65XM..... Q380-23 \$1,080. pr. 12
		56" – 60"	H60-65XM..... Q380-25 \$1,240. pr. 12

FOUNDRY CONSTRUCTION

Foundry Package on units with CAB increases lead-time – 18 weeks to U.S.

Foundry Package Includes:

- 10 micron hydraulic tank breather filter (see Filter)
- 30-amp alternator with sealed brushes and bearings with integral regulator (see Alternator)
- Overhead mounted precleaner for engine air cleaner. Includes Cyclopac type heavy-duty air cleaner element.

Options:

- Fire resistant hydraulic fluid (See Hydraulic Fluid)
- Magnetic drain plug in hydraulic tank to attract metal particles (Contact Application Engineering)
- Engine air restriction indicator (Contact Application Engineering)

Foundry Package:

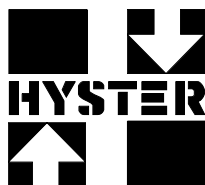
Requires Mazda gas or LP gas engine and UL type G or LP options			
NOT AVAILABLE w/CARB Emissions Compliant Engine.....	Q349-18	\$1,850.	14
Requires Mazda gas or LP gas engine and UL type GS or LPS options			
NOT AVAILABLE w/CARB Emissions Compliant Engine.....	Q349-19	\$1,750.	14
Requires GM gas or LP gas engine and UL type G or LP options			
Requires GM gas or LP gas engine and UL type GS or LPS options..	Q349-20	\$2,000.	14
	Q349-21	\$1,850.	14
Requires Diesel engine and UL type D options on order			
Requires Diesel engine and UL type DS options on order.....	Q349-22	\$2,330.	14
	Q349-23	\$1,850.	14

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EFFECTIVE: 04/14/03f

CHALLENGER- 10

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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Paper Industry Package – Intended for Paper, Tissue and Box applications.

Contact Application Engineering for additional details.

Package Includes:

- Stainless steel exhaust pipes
- High temperature sleeves for exhaust pipes
- Vented hood
- Type 'S' safety muffler
- Manifold screen

For Mazda 2.0L, 2.2L and GM 3.0L Gas & LPG engines ONLY	Q349-40	\$1,650	16
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Contact Application Engineering if Diesel is required.

FUEL SYSTEM

Note: CHANGES TO THE FUEL SYSTEM MAY RESULT IN VARIANCES TO PUBLISHED VALUES; CONTACT APPLICATION ENGINEERING IF CRITICAL.

Dual fuel – Gas and LP gas. Includes production LP tank mounting bracket and LP fuel tank.

Requires Gas engine option on order.

NOT AVAILABLE with UL type GS option. Voids UL APPROVAL.

Requires Mazda Gas option	Q095-05	\$2,400.	21
Requires GM Gas option	Q095-06	\$2,550.	18

FUEL TANK

LP gas tank – steel. Requires LP gas engine option on order.

FACTORY INSTALLED ONLY.

33.5# ICC tank	Q060-02	\$485.	15
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GROUND STRAP (STATIC STRAP)

Prevents build up of static electricity on frame and steer axle.....	Q108-01	\$65.	8
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HOSE GROUP (FOR QUAD MAST)

See [MAST-QUAD](#).

HYDRAULIC FITTING-QUICK DISCONNECT

Male and female hydraulic fittings and tubes to allow an attachment to be quickly disconnected from the hydraulic supply for removal. Includes complete quick disconnect fittings for each function. Not normally required for integrally mounted attachments. 4-function disconnect requires 4-function hose group and control valve on order.

Vista 2-Stage Limited Free Lift Mast

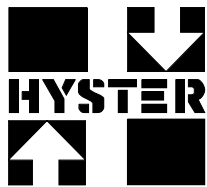
One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-16	\$740.	11
	-4 Function – High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-17	\$740.	11
Two pair disconnects	-4 Function - High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.	Q187-18	\$1,200.	11

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EFFECTIVE: 04/14/03f

CHALLENGER- 11

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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Vista 2-Stage Full Free Lift Mast

One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift	Q187-19	\$740.	11
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-20	\$740.	11
Two pair disconnects	-4 Function- High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.	Q187-21	\$1,170.	11

Vista 3-Stage Full Free Lift Mast

One pair disconnect	-3 Function– High Termination 3 rd function at top right side of carriage Not compatible with sideshift	Q187-22	\$740.	11
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-23	\$740	11
Two Pair disconnect	-4 Function- High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.	Q187-24	\$1,170.	11

HYDRAULIC FLUID

Fire Resistant Houghtosafe 620 - FACTORY INSTALLED. CANNOT BE INSTALLED ON STOCK BASIC.
All internal combustion units require a powershift transmission option Q140-01 \$2,500. 18

LIFTING EYES

Installed.....	Q163-07	\$985.	11
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(Contact Application Engineering for details of lifting eye placement, sling lengths and/or spreader bar requirements.)

LIGHT

Full Light Kit – Includes

- 2 Drive Lights
- 2 Front Turn Signals
- 2 Brake/Tail/Reverse/Rear Turn Signal Light Clusters
- 1 Rear Work Light

For Units with Cab	Q164-10	\$650.	10
For Units with Overhead Guard.....	Q164-11	\$650.	10

LIGHT-STROBE

Continuous strobe, key switch actuated, UL APPROVED.

Overhead guard top mounted – increases truck height approximately 7". Amber	Q393-14	\$645.	11
Mounted below overhead guard top. Amber	P.L.		

LIGHT-TURN SIGNAL

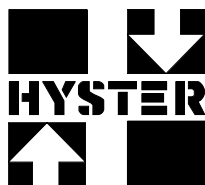
Turn Signals (2) Rear (includes 2 Stop/Tail Lights) UL Approved.....	Q404-05	\$275.	14
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EFFECTIVE: 04/14/03f

CHALLENGER- 12

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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LINT/COTTON CONSTRUCTION

Contact Application Engineering.

LOAD BACKREST EXTENSION

See Introduction for Notes

Carriage or Attachment Width	Height 36"	42"	48"	60"	
42"	Q166-15 \$275.	Q166-16 275.	P.L.	SPED	14
48"	Q166-19 \$320.	Q166-20 325.	P.L.*	SPED	14
54"	SPED	SPED	Q166-25 350.	SPED	14
60"	Q166-27 \$375.	Q166-28 375.	Q166-29 375.	Q166-30 450.	14

*Note: P.L. option for Class II mounting only.

Contact Application Engineering for assistance with Class III mounted 48"x48" LBR.

LOAD BACKREST (FOR QUAD MAST)

See [MAST-QUAD](#) .

LUBRICANT/COATING

Electrical terminals sprayed with waterproof plastic	Q145-01	\$250.	9
Unpainted parts coated with low temperature grease	Q145-02	\$250.	9
Lift chains saturated with low temperature grease			
Requires mast on order	Q145-03	\$250.	9

NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100. net	4
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MAST-QUAD (FOR LOCAL INSTALLATION)

Note: The truck will ship direct from our Northern Ireland (NI) Factory and the OAUD Mast (and related front-end items) will ship from our Berea, KY Factory.

The truck and mast will meet at your dealership for local installation.

Quad Mast Requires Solid Tires and Wide Tread. Not compatible with 8° or 10° back tilt.

QUAD Mast – 4 Stage, Class II – 84" OAH / 228" MFH	Q346-95	\$10,725.	10
QUAD Mast – 4 Stage, Class II – 87" OAH / 240" MFH	Q346-94	\$10,640.	10
QUAD Mast – 4 Stage, Class II – 91" OAH / 252" MFH	Q346-93	\$10,725.	10
QUAD Mast – 4 Stage, Class II – 95" OAH / 264" MFH	Q346-92	\$11,075.	10

Select from the following front-end equipment for QUAD Mast:

CARRIAGE (FOR QUAD MAST ONLY)

Carriage-Hook Type – 4 stage – 42" Class II

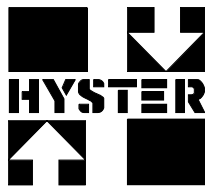
For use with 28x9-15 Drive Tires	Q073-98	\$1,415.	10
For use with 7.00x12 Drive Tires	Q073-99	\$1,235.	10

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EFFECTIVE: 04/14/03f

CHALLENGER- 13

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
<u>HOSE GROUP (FOR QUAD MAST ONLY)</u>			
Hose Group-3 Function – 1 Auxiliary Function (Internal)	Q373-99	\$1,445	10
Requires 3-Function Control Valve on truck order.			
Hose Group-4 Function – 2 Auxiliary Function (Internal)	Q374-99	\$1,655.	10
Requires 4-Function Control Valve on truck order.			
<u>LOAD BACKREST (FOR QUAD MAST)</u>			
Load Backrest Extension 42"W x 48"H for Quad Mast only	Q166-99	\$205.	10
For use with or without Sideshift.			
<u>SIDESHIFT (FOR QUAD MAST)</u>			
Sideshift-Hook – Cascade 55F-SSS-A009 42" Class II, Front Drilled Pattern, Hang-on.....	Q257-99	\$965.	10
For use with all QUAD mast heights.			
Note: For attachments other than Sideshift (Q257-99), contact Application Engineering for capacity rating.			
<u>FORKS (FOR QUAD MAST)</u>			
Order Forks from Standard Price List or SPED Price List.			

MIRROR

Rearview mirror. NOT intended for reverse driving. Q177-01 \$150. 8
Price list cab options do not include this mirror.

OVERHEAD GUARD

Wire mesh added to top increases height approximately 3/8"..... Contact Application Engineering.

OVERHEAD GUARD-LOWERED/RAISED

OSHA recommended operator clearance from depressed seat to underside of overhead guard is 39" minimum.
(Note: OAH tolerance = +/-0.75")

Contact Application Engineering for Overall Lowered Height (OALH) not listed.

Overhead Guard – Lowered to 80.31 OALH Q385-10 \$1,055. 14
NOT available with semi or full suspension seats due to reduced head clearance.
Low profile seat is recommended.
(For H45-65XM - with 28x9-15 Drive Tires)

Overhead Guard – Lowered to 80.55" OALH Q385-11 \$1,055. 14
NOT available with semi or full suspension seats due to reduced head clearance.
Low profile seat is recommended.
(For H45-50XM - with 7.00x12 Drive Tires)

SEAT-LOW PROFILE

Low profile seat replacing standard seat increases operator head clearance approximately 1".
Requires non-suspension seat option on order.

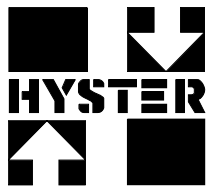
Vinyl covering.....	Q397-02	\$750.	12
Fabric covering	Q397-03	\$750.	12

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EFFECTIVE: 04/14/03f

CHALLENGER- 14

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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SEAT-SEMI-SUSPENSION

Hyster style semi-suspension seat replacing standard seat. Reduces operator head clearance approximately ½". Standard (raised) overhead guard is recommended to compensate for the operator head clearance reduction. Consult Technical Guide for head clearance information. OSHA recommended operator head clearance, from depressed seat to underside of overhead guard, is 39" minimum.

Includes seat adjustment and operator restraints. Requires Non-Suspension Seat option referenced on order.

Vinyl Covered Seat	Q065-01	\$675.	11
Fabric Covered Seat	Q065-02	\$730.	11

SEAT-FULL SUSPENSION

Full Suspension Swivel Seat – Swivels 5.5 degrees to the left and 10 degrees to the right.
Not available with any lowered overhead guard.

Vinyl Covered Seat	Q398-11	\$975.	19
Fabric Covered Seat	Q398-10	\$975.	19

TIRES

See Introduction for Notes.

TIRE-DRIVE

Note: Requires identical type Steer Tires on order.

Michelin XZM Radial Single Drive Tires

H45-50XM – 7.00R12	Q103-01	\$830. pr.	14
H55-65XM – 225/75R15	Q103-02*	\$950. pr.	14

*Contact Application Engineering for specific capacities.

Pneumatic Shaped Solid Drive-Monarch (Trelleborg)

H45-50XM – 28 x 9-15	Q111-11	\$1,600. pr.	10
H55-65XM – 28 x 9-15	Q111-12	\$1,400. pr.	10

Pneumatic Shaped Solid Drive, Non-Marking – Monarch (Trelleborg)
(Includes Static Strap)

H45-50XM – 7 x 12 Non-Marking	Q319-11	\$1,280. pr.	16
H55-65XM – 28 x 9-15 Non-Marking	Q319-12	\$1,480. pr.	16

TIRE-DUAL DRIVE

Michelin XZM Radial Dual Drive Tires (set of 4). Requires dual drive tire option on order.

H45-65XM – 7.00R12	Q162-01	\$1,660. set	16
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TIRE-STEER

Note: Requires identical type Drive Tires on order.

Michelin XZM Radial Steer Tires

H45-50XM – 6.00R9	Q268-01	\$675. pr.	10
H55-65XM – 6.50R10	Q268-02	\$800. pr.	10

Pneumatic Shaped Solid Steer-Monarch (Trelleborg)

Mono-Matic Soft Shoe (White Label)

H45-50XM = 6.00x 9	Q270-05	\$1,075. pr.	10
H55-65XM – 6.50 x 10	Q270-08	\$1,200. pr.	10

Pneumatic Shaped Solid Steer, Non-Marking – Monarch (Trelleborg)

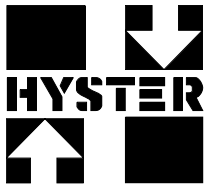
H45-50XM – 6.00 x 9 Non-Marking	Q270-10	\$1,000. pr.	15
H55-65XM – 6.50 x 10 Non-Marking	Q270-11	\$1,150. pr.	15

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EFFECTIVE: 04/14/03f

CHALLENGER- 15

REPLACES: 11/08/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H45,50,55,60,65XM
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE H177**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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TRANSMISSION

Auxiliary Transmission Oil Cooler (Not Compatible with Open Core Radiator, option 022-03) Integral with 3mm Square Wave Radiator	Q297-04	\$695.	14
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TRACTION SPEED LIMIT

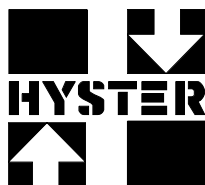
Limits speed to 6 MPH (suitable for all engine types)	Q262-16	\$2,700.	14
Limits speed to 8 MPH (suitable for all engine types)	Q262-18	\$2,700.	14

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EFFECTIVE: 04/14/03f

CHALLENGER- 16

REPLACES: 11/08/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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K005 – H70, 80XM, 90XMS, 100, 110, 120XM

ACCUMULATOR

Note: Cowl mounted components may require restricted back tilt, contact SPED.

Hydra Smooth 1-quart piston type	P.L.		
Hydra Smooth 2-quart piston type	Q001-07	\$1,975.	8

ALTERNATOR

105 Amp Output with Integral Regulator. Voids UL Approval

With Diesel Engine	Q006-20	\$605.	10
With Gas/LP Engine	Q006-21	\$1,130.	10

45 Amp Output with Integral Regulator-Brushes and Bearings are sealed. UL Approved.

Standard with UL Type GS, LPS, or DS on order	Q006-22	\$595.	8
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ATTACHMENT-BLOCK HANDLER

Single Sideshift, Pin Type, Integral – (See ATTACHMENT-SIDEShift, PIN TYPE; LOAD BACKREST EXTENSION; FORK SPACER GROUP and FORK-PIN BLOCK)

ATTACHMENT-SIDEShift, PIN TYPE

NOTE: All sideshifts listed require 3-function valve and 3-function hose group. These options convert P.L. Hook Type Integral Sideshift to Pin Type Sideshift.

Requires Hook Type Sideshift option on order. Requires special Load Backrest (see LOAD BACKREST EXTENSION; if no load backrest is required, order option 162-99). Requires special PIN Type Forks (see FORK-PIN TYPE if factory installed).

Minimum fork spacing is 2" inside on all pin sideshifts listed. Maximum outside fork dimension is 47.5" on 50" sideshift, 53.5" on 56" sideshift and 59.5" on 62" sideshift. See FORK SPACER GROUP to convert sideshift for use with Block Forks.

Units	Mast	Width	LBR Ref.	Forks Ref.			
H70-90XMS	Vista 2-Stage LFL	50"	Special	Special.....	Q258-24	\$3,555.	12
	Vista 2-Stage LFL	62"	Special	Special.....	Q258-25	\$3,720.	12
	Vista 2-Stage FFL	50"	Special	Special.....	Q258-43	\$3,555.	12
	Vista 2-Stage FFL	62"	Special	Special.....	Q258-44	\$3,720.	12
	Vista 3-Stage FFL	50"	Special	Special.....	Q258-26	\$3,555.	12
	Vista 3-Stage FFL	62"	Special	Special.....	Q258-27	\$3,720.	12
H100-120XM	Vista 2-Stage LFL	56"	Special	Special.....	Q258-29	\$3,775.	12
	Vista 2-Stage LFL	62"	Special	Special.....	Q258-30	\$3,945.	12
	Vista 2-Stage FFL	56"	Special	Special.....	Q258-45	\$3,775.	12
	Vista 2-Stage FFL	62"	Special	Special.....	Q258-46	\$3,945.	12
	Vista 3-Stage FFL	56"	Special	Special.....	Q258-33	\$3,775.	12
	Vista 3-Stage FFL	62"	Special	Special.....	Q258-34	\$3,945.	12

BELLY PAN

Acts as splashguard only – does not completely enclose underside of frame.

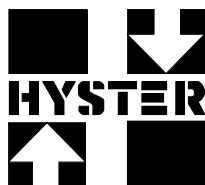
Includes cutouts for access to drain plugs.....	Q026-01	\$1,175.	10
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EFFECTIVE: 04/14/03

CHALLENGER- 17

REPLACES: 10/01/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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BRAKES

Brakes-Extended Service Life Brakes. H70-90XMS only.....	Q003-20	\$475.	12
Reduces ability for debris to enter into brake components.			

CAB AIR CONDITIONER

Contact Application Engineering.

COLD START AID

Note: Glow Plug is standard with Diesel Engine option.

Engine block heater requires 110 Volt AC outlet.....	Q048-01	\$830.	10
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COOLING SYSTEM

Radiator cap – LEV-R-VENT manual pressure relief type.

Factory installed.....	Q236-01	\$55.	6
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Field installed P/N 1312753	Parts Depot		
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ELECTRIC ATTACHMENT GROUP

Contact Applications Engineering.

ELECTRIC CIRCUIT BREAKER

Circuit breakers replace fuses. VOIDS UL APPROVAL Contact Applications Engineering.

ENGINE

Severe Duty Engine-GM 4.3L LT – LPG only. For applications where multiple shifts are required with little to no cool down period for lift trucks. CARB Emissions compliant for California end users.

Requires GM LPG engine option on order.	Q063-01	\$765.	12
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ENGINE SHUTDOWN SYSTEM

Seat actuated if operator does NOT set park brake. VOIDS UL APPROVAL.

Requires gas engine or dual fuel system.....	Q069-08	\$700	8
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Requires LP gas engine.....	Q069-09	\$700.	8
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Requires diesel engine	Q069-10	\$700.	8
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Seat actuated if operator does NOT return the column mounted directional control lever to the neutral position. Requires powershift transmission and column lever options on order. VOIDS UL APPROVAL.

Requires gas engine or dual fuel system.....	Q069-11	\$700.	8
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Requires LP gas engine.....	Q069-12	\$700.	8
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Requires diesel engine	Q069-13	\$700.	8
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EXHAUST SYSTEM

2-Way Catalytic open loop, requires LPG engine on order P.L.

2-Way Catalytic open loop, requires Diesel engine on order SPED

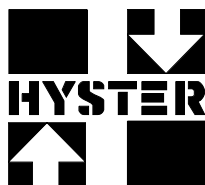
3-Way Catalytic closed loop, requires LPG engine on order P.L.

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EFFECTIVE: 04/14/03

CHALLENGER- 18

REPLACES: 10/01/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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FIRE EXTINGUISHER

5 lb. dry chemical	Q080-01	\$350.	4
5 lb. CO ₂	Q080-02	\$535.	4
10 lb. dry chemical	Q080-03	\$475.	4
10 lb. CO ₂	Q080-04	\$645.	4

FORK

See Introduction for FORK notes. Contact Application Engineering.

FORK SPACER GROUP

Set of spacers to accommodate 1.5" x 2" block forks on 8" centers. Requires special [pin type sideshift](#) on order.

For (6) block forks on 50" or 56" wide sideshift	Q045-01	\$270. set	12
For (8) block forks on 62" wide sideshift	Q045-02	\$370. set	12

FOUNDRY CONSTRUCTION

Foundry Package – Suggested equipment for use in Foundry Applications:

- Square Wave 6.5 fins/inch anti-clogging radiator (standard)
- Transmission oil cooler in lower portion of radiator (Standard)
- Puller type engine cooling fan (Standard)
- 10-micron hydraulic tank breather filter (Standard)
- Lube fittings on tilt pins (Standard)
- Premium Instrumentation includes air restriction indicator (Requires option 017-02 on order)
- Heavy Duty Air Precleaner (Requires option 078-02 on order)
- Radiator Screen (Requires option 022-10 on order)
- 45-Amp Sealed Alternator (Requires option Q006-22 or UL type GS/LPS/DS option 056-02 on order)

FUEL TANK

LP gas tank – aluminum. Requires LP gas engine option on order.

FACTORY INSTALLED ONLY- 43.5# ICC Tank	Q060-08	\$600	8
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GROUND STRAP (STATIC STRAP)

Prevents build up of static electricity on frame and steer axle	Q108-01	\$70.	8
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HOSE GROUP-3 FUNCTION

3 Function - 2 Hoses routed Internal (1 Auxiliary Function)

Special 2-Stage FFL Mast only	Q373-10	\$740.	8
Special 2-Stage LFL Mast only	Q373-11	\$690.	8
Special 3-Stage FFL Mast only	Q373-12	\$785.	8

HOSE GROUP-4 FUNCTION

4 Function – 4 Hoses routed Internal (2 Auxiliary Functions)

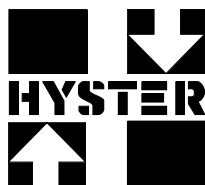
Special 2-Stage FFL Mast only	Q374-13	\$1,095.	8
Special 2-Stage LFL Mast only	Q374-14	\$865.	8
Special 3-Stage FFL Mast only	Q374-15	\$1,135.	8

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EFFECTIVE: 04/14/03

CHALLENGER- 19

REPLACES: 10/01/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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HYDRAULIC FITTING-QUICK DISCONNECT

Male and female hydraulic fittings and tubes to allow an attachment to be quickly disconnected from the hydraulic supply for removal. Includes complete quick disconnect fittings for each function. Not normally required for integrally mounted attachments. 4-function disconnect requires 4-function hose group and control valve on order.

Vista 2-Stage Limited Free Lift Mast

One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-16 \$600.	10
	-4 Function – High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-17 \$600.	10
Two pair disconnects	-4 Function - High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-18 \$1,150.	10

Vista 2-Stage Full Free Lift Mast

One pair disconnect	-3 Function – High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-19 \$600.	10
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-20 \$600.	10
Two pair disconnects	-4 Function- High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-21 \$1,150.	10

Vista 3-Stage Full Free Lift Mast

One pair disconnect	-3 Function– High Termination 3 rd function at top right side of carriage Not compatible with sideshift.....	Q187-22 \$600.	10
	-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-23 \$600.	10
Two pair disconnects	-4 Function High Termination 3 rd function at top right side and 4 th function at top left side of carriage. Not compatible with sideshift.....	Q187-24 \$1,150.	10

HYDRAULIC FLUID

Fire Resistant - FACTORY INSTALLED. CANNOT BE INSTALLED ON STOCK BASIC. Contact SPED for a quoted mast to replace the standard mast at no additional charge.....

HYDRAULIC PRESSURE REGULATOR

3 position with gauge - used to regulate the pressure in the hydraulic attachment clamping circuit.

1st & 2nd positions are 50-1000 psi and the 3rd position is 500-3000 psi.

Requires applicable control valve and hose group on order.

HYDRAULIC VALVE-LOAD PROTECTOR

Prevents lift chains from going slack after depositing a load with a clamping type attachment.

LIGHT

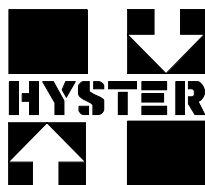
Dome Light – Standard with P.L. Cab option (072-01)..... P.L.

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EFFECTIVE: 04/14/03

CHALLENGER- 20

REPLACES: 10/01/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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LIGHT-STROBE

Continuous strobe, key switch actuated, UL APPROVED.

Overhead guard top mounted – increases truck height approximately 7".

Red	Q393-13	\$580.	8
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Amber	Q393-14	\$580.	8
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Mounted below overhead guard top.

Red	Q393-15	\$580.	8
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Amber	Q393-16	\$580.	8
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LIGHT-TURN SIGNAL

2 front and 2 rear turn signals. UL APPROVED	Q404-02	\$950.	8
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2 rear turn signals. UL APPROVED	Q404-03	\$525.	8
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LINT/COTTON CONSTRUCTION

Paper Recycling Package – Contact Applications Engineering.

LOAD BACKREST EXTENSION

See Introduction for Load Backrest notes

Carriage or Attachment Width	Height 48"		
48"-50"	Q166-21 \$580.		8
54"-56"	Q166-25 \$610.		8
60"-62"	Q166-29 \$640.		8

LUBRICANT/COATING

Electrical terminals sprayed with waterproof plastic	Q145-01	\$270.	8
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Unpainted parts coated with low temperature grease	Contact Applications Engineering.		
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Lift chains saturated with low temperature grease

Requires mast on order	Contact Applications Engineering.		
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MAST TILT

Mast forward tilt restricted to zero degrees at any lift height unless overridden by operator.

Tilt limit system VOIDS UL APPROVAL	Q285-10	\$2,825.	12
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MAST TILT-LIMITER BACK/FORWARD

See Introduction for Mast Tilt Limiter notes.

Back and Forward tilt limiters are available in one-degree increments within the range shown. Specify the required degree of back/forward tilt on order. Consult the Industrial Truck Price List for production offering and usage restrictions before quoting. NOTE that if total degrees of tilt sums up greater than maximum P.L. total tilt, contact SPED for approval (i.e. 7° Forward + 8° Back = 15° Total tilt). FACTORY INSTALLED.

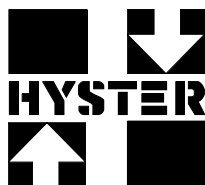
Minimum	Maximum			
4°	11°	Back Tilt	Q287-01	\$340. pr. 8
0°	11°	Forward Tilt	Q288-01	\$340. pr. 8

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EFFECTIVE: 04/14/03

CHALLENGER- 21

REPLACES: 10/01/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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MAST TILT INDICATOR

Indicator Light on the dash to show when Mast is in vertical position	Q286-01	\$930.	8
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MAST TILT SPEED

Speed restrictor for use with load sustaining attachments to improve dynamic stability conditions.

Fitting type restrictor Contact Applications Engineering.

NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100 net	4
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OPERATOR SHIELD

Lexan Windshield mounted between front overhead guard legs.

Requires restricted back tilt, contact SPED.	Q132-01	\$1,630.	8
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OVERHEAD GUARD

Wire mesh added to top increases height approximately 3/8". Order for standard or special overhead guard.

Not compatible with top mounted lights	Q153-01	\$905.	8
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OVERHEAD GUARD-LOWERED/RAISED

Contact Applications Engineering for quote.

PAINT

ONE COLOR-Lead/Chromate free enamel paint on all normally painted exterior surfaces only. Exterior paint may be applied over standard color prepainted surfaces. Does NOT include interior surfaces. Paint color panel/chip must accompany orders for Non-Hyster colors. Hyster paint vendor to match color. Contrasting features, color and decals provided at Hyster's discretion. Hyster reserves the right to reject requirements for UNUSUAL NON-STANDARD Paints, PAINT SCHEMES or paints requiring SPECIAL APPLICATION TECHNIQUE. For paint schemes not listed or for special colors on NOT INSTALLED options pr special items, contact SPED.

Specify one paint color number for each item ordered.

Color Number: 1 = Hyster yellow
2 = Hyster white
3 = Hyster red
4 = Hyster black
5 = Non-Hyster color. Requires color panel/chip with order! Orders received without such will be delayed!

Complete Truck (not forks or cab)-replace standard colors**	Q191-08*	\$1,145.	12
Chassis/counterweight/hood -replace yellow & black**	Q191-09	\$705.	12
Chassis/counterweight/hood -replace yellow only**	Q191-10	\$670.	12
Overhead Guard -replace yellow	Q191-05	\$175.	10
Cab -replace yellow	Q191-07	\$230.	10
Wheels -replace black	Q191-12	\$160.	12
Load Backrest -replace yellow	Q191-14	\$120.	12
Forks -replace red	Q191-06	\$130. Pr.	12

*Contact SPED for a quoted mast to replace the standard mast at no additional charge.

**Dash, Floorboard, Seat Pan and Radiator Cover NOT Painted.

RAIN TOP

Plexiglas rain top mounted to top of overhead guard.

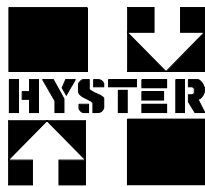
Not Compatible with Top Mounted Lights	Q238-01	\$870.	10
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EFFECTIVE: 04/14/03

CHALLENGER- 22

REPLACES: 10/01/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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SEAT

All Special Seats include seat adjustment and operator restraints and require the standard non-suspension seat option referenced on order. Fabric covered seats are not recommended for outdoor applications without a cab.

Sears Surburban non-suspension.

Black Vinyl covering.....	PL		
Dark Gray Fabric covering.....	Q252-01	\$50.	12
Bostrom Low Profile non-suspension (increases operator head clearance approximately 1")			
Black Vinyl covering.....	Q397-02	\$900.	8
Black Fabric covering.....	Q397-03	\$950.	8

Full Suspension Swivel seat swivels 10.5° to the Right and 5.5° to the Left. Requires standard (raised) OHG on order. Not for use with Raised Seat – Contact Applications Engineering. Not compatible with any lowered OHG.

Swivel-Full Suspension – Vinyl.....	Q398-11	\$750.	12
Swivel-Full Suspension – Fabric.....	Q398-10	\$710.	12

TIRE

See Introduction for Tire Notes.

TIRE-DRIVE (Includes Fenders)

PNEUMATIC SHAPE SOLID - Requires single drive wheels option, pneumatic single drive tires option and identical type steer tires on order.

H70-90XMS - 250 x 15

Monarch (Trelleborg) Soft Shoe Mono-Matic (red label) Lug Tread	P.L.		
Monarch (Trelleborg) Soft Shoe HP (white label) Lug Tread	Q111-07	\$1,235. pr.	10
Monarch (Trelleborg) Soft Shoe E-Class (blue label) Lug Tread ..	Q111-09	\$1,355. pr.	10
Monarch (Trelleborg) Soft Shoe Non-Mark Lug Tread			
Includes ground strap	Q111-11	\$1,665 pr.	10

H100-120XM - 300 x 15

Monarch (Trelleborg) Soft Shoe Mono-Matic (red label) Lug Tread	P.L.		
Monarch (Trelleborg) Soft Shoe HP (white label) Lug Tread	Q111-08	\$1,430. pr.	10
Monarch (Trelleborg) Soft Shoe E-Class (blue label) Lug Tread ..	Q111-10	\$1,645. pr.	10
Monarch (Trelleborg) Soft Shoe Non-Mark Lug Tread			
Includes ground strap	Q111-12	\$1,910 pr.	10

RADIAL PNEUMATIC - Requires single drive wheels option, pneumatic single drive tires options and identical type steer tires on order.

H70-90XMS – 250/70R15

Michelin XZM P.L.

H100-120XM – 315/70R15

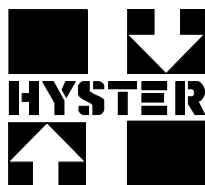
Michelin XZM P.L.

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EFFECTIVE: 04/14/03

CHALLENGER- 23

REPLACES: 10/01/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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TIRE-DUAL DRIVE (Includes Fenders)

PNEUMATIC SHAPE SOLID - Requires dual drive wheels option (060-02) and identical type steer tires on order.

H70-90XMS – 7.00 x 15

Monarch (Trelleborg) Soft Shoe Mono-Matic (red label) Lug Tread.....P.L.

Monarch (Trelleborg) Soft Shoe HP (white label) Lug Tread Q182-05 \$2,515. set 10

Monarch (Trelleborg) Soft Shoe E-Class (blue label) Lug Tread .. Contact Applications Engineering

H100-120XM – 8.25 x 15

Monarch (Trelleborg) Soft Shoe Mono-Matic (red label) Lug Tread.....P.L.

Monarch (Trelleborg) Soft Shoe HP (white label) Lug Tread Q182-07 \$2,930. set 10

Monarch (Trelleborg) Soft Shoe E-Class (blue label) Lug Tread .. Contact Applications Engineering

RADIAL PNEUMATIC – Requires dual drive wheels option (060-02) and identical type steer tires on order.

H70-90XMS - 7.00R15

Michelin XZM Q162-04 \$1,960. set 10

H100-120XM - 8.25R15

Michelin XZM Q162-02 \$2,160. set. 10

TIRE-STEER

PNEUMATIC SHAPE SOLID – Requires pneumatic steer tires option and identical type drive tires on order.

H70-120XM – 7.00 x 12

Monarch (Trelleborg) Soft Shoe Mono-Matic (red label) Lug Tread.....P.L.

Monarch (Trelleborg) Soft Shoe HP (white label) Lug Tread Q270-06 \$845. pr. 10

Monarch (Trelleborg) Soft Shoe E-Class (blue label) Lug Tread .. Q270-07 \$900. pr. 10

Monarch (Trelleborg) Soft Shoe Non-Marking Lug Tread Q270-08 \$1,105. pr. 10

RADIAL PNEUMATIC – Requires pneumatic steer tires option and identical type drive tires on order.

H70-120XMS - 7.00R12

Michelin XZM P.L.

TRACTION SPEED LIMIT

GAS or LP gas Engine - Traction speed limited when traveling either forward or reverse. Proximity sensor monitors frequency of the differential gear teeth. When truck travel speed exceeds the preset limit, speed is limited by activating a sensor that controls the engine electronic governor. Full throttle is available provided the truck is traveling less than the preset limit. Uses NMHG Speed Limit Kit.

6.0 MPH preset traction speed limit (GAS/LP) Q262-21 \$1,945. 10

7.0 MPH preset traction speed limit (GAS/LP) Q262-22 \$1,945 10

8.0 MPH preset traction speed limit (GAS/LP) Q262-06 \$1,945 10

Diesel Engine – Traction speed limited when traveling in either forward or reverse. Proximity sensor monitors frequency of the differential gear teeth. When truck travel speed exceeds the preset limit, speed is limited by an electro-mechanical controller, which manually overrides the operator input to the throttle. Full throttle is available provided the truck is traveling less than the preset limit. Uses Sturdy Corporation speed limit kit.

6.0 MPH preset traction speed limit (Diesel) Q262-20 \$1,945. 10

7.0 MPH preset traction speed limit (Diesel) Q262-23 \$1,945. 10

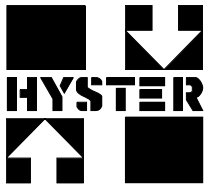
8.0 MPH preset traction speed limit (Diesel) Q262-24 \$1,945. 10

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EFFECTIVE: 04/14/03

CHALLENGER- 24

REPLACES: 10/01/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H70, 80XM, 90XMS
100, 110, 120XM
SIT DOWN COUNTERBALANCED
PNEUMATIC TIRE
SERIES CODE K005**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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Engine governed at reduced level to limit travel speed and reduce noise levels. Maximum engine RPM will be governed to reduced level by replacing standard electronic governor with special governor. Maximum travel, lift, and attachment speeds will be reduced from published specifications shown in technical guides.

Requires GM engine option on order.

2200-RPM maximum	Standard		
2100-RPM maximum	Q262-09	\$390.	8

TRANSMISSION

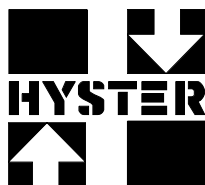
Transmission Oil Cooler- Integral to Square Wave 6.5 fins/inch radiator...	Standard.		
Auxiliary, requires Restricted Back Tilt	Q297-03	\$1,050.	8

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EFFECTIVE: 04/14/03

CHALLENGER- 25

REPLACES: 10/01/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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F006 – H135, 155XL2

ACCUMULATOR

Note: Cowl mounted components may require restricted back tilt; contact SPED.

Parker 2-quart piston type.....	Q001-03	\$1,490.	12
Parker 4-quart piston type.....	Q001-05	\$2,370.	12
Hydra Smooth 2-quart piston type	Q001-07	\$1,975.	12

ALTERNATOR

30-45 Amp output with integral regulator – brushes and bearings are sealed.

UL APPROVED. Standard on units with UL type GS, LPS, or DS option on order.

Requires GM gas or LP gas engine option on order	Q006-16	\$510.	12
Requires Perkins diesel engine option on order	Q006-18	\$510.	12

105 Amp Output. VOIDS UL APPROVAL	Q006-11	\$980.	8
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ATTACHMENT

See Introduction for Notes.

ATTACHMENT-FORK POSITIONER, NON-SIDESHIFTING, PIN TYPE

Note: All non-sideshifting fork positioners listed with simultaneous (Sim.) arm control (fork movement may be unequal) require a 3 function valve and 3 function hose group; individual (Ind.) arm control requires 4 function valve and 4 function hose group; integrally mast mounted.

Mast	Width	Fork Width	Fork Spacing Inside	Fork Spacing Outside	Control			
H135-155XL2								
Vista 2-Stage LFL	78.0"	6"	21.0"	74.0"	Sim	Q089-85	\$8,875.	15
	78.0"	6"	21.0"	74.0"	Ind	Q089-86	\$9,220.	15
Vista 3-Stage FFL	78.0"	6"	21.0"	74.0"	Sim	Q089-87	\$8,785.	15
	78.0"	6"	21.0"	74.0"	Ind	Q089-88	\$9,220.	15

ATTACHMENT-FORK POSITIONER, SIDESHIFTING, PIN TYPE

Note: All sideshifting fork positioners listed with simultaneous (Sim.) arm control (fork movement may be unequal) require a 4 function valve and 4 function hose group; individual (Ind.) arm control requires 5 function valve and 5 function hose group; integrally mast mounted.

Mast	Width	Fork Width	Fork Spacing Inside	Fork Spacing Outside	Control			
H135-155XL2								
Vista 2-Stage LFL	78.0"	6"	6.5	74.0"	Sim	Q260-35	\$11,355.	15
Vista 3-Stage FFL	78.0"	6"	6.5"	74.0"	Sim	Q260-36	\$11,355.	15

BELLY PAN

Acts as a splashguard only – does not completely enclose underside of frame.

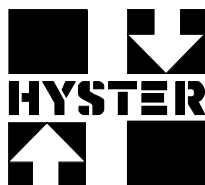
Includes cutouts for access to drain plugs.....	Q026-01	\$1,345.	12
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BRAKES

Mico Accumlock – supplements existing brake system. Acts as a holding device for truck until control lever on instrument panel is manually turned off and brake pedal is tapped lightly. Includes low-pressure warning light.

VOIDS UL APPROVAL	Q003-07	\$1,935.	14
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HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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CAB AIR CONDITIONER

Condenser mounts behind and below the overhead guard.

Factory Installed – shipped with Freon charge. Requires special 105-amp output alternator on order.

VOIDS UL APPROVAL. Requires Cab option on order	Q005-01	\$8,735.	12
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CARRIAGE-HOOK TYPE, VISTA 2-STAGE LIMITED FREE LIFT MAST

Width	ITA Class			
48"	IV	Q296-40	\$4,200.	12
54"	IV	Q296-41	\$4,490.	12
60"	IV	Q296-42	\$4,850.	12
78"	IV	Q296-43	\$5,560.	12

CARRIAGE-HOOK TYPE, VISTA 3-STAGE FULL FREE LIFT

Width	ITA Class			
48"	IV	Q467-22	\$4,200.	12
54"	IV	Q467-25	\$4,490.	12
60"	IV	Q467-26	\$4,850.	12
78"	IV	Q467-30	\$5,560.	12

CARRIAGE-PIN TYPE, VISTA 2-STAGE LIMITED FREE LIFT MAST

60" Width.....	Q340-04	\$6,750.	12
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CARRIAGE-PIN TYPE, VISTA 3-STAGE FULL FREE LIFT MAST

60" Width.....	Q477-14	\$6,750.	12
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COLD START AID

Engine Block Heater requires 110 Volt AC outlet.....	Q048-01	\$750.	8
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ENGINE

Severe Duty Engine-GM 4.3L LT – LPG only. For applications where multiple shifts are required with little to no cool down period for lift trucks.

Requires GM LPG engine option on order.	Q063-01	\$765.	12
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ENGINE AIR FILTER

Precleaner mounted on overhead guard. Requires production cab option on order.

VOIDS UL APPROVAL.....	Q004-07	\$2,040.	14
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ENGINE SHUTDOWN SYSTEM

High water temperature and low oil pressure conditions. UL APPROVED.

Requires gas engine	Q069-01	\$830.	8
Requires LP gas engine.....	Q069-02	\$830.	8
Requires diesel engine	Q069-03	\$830.	8

Seat actuated if operator does NOT set the park brake. VOIDS UL APPROVAL.

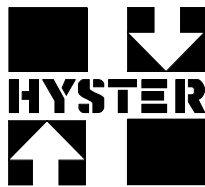
Requires gas engine	Q069-08	\$830.	8
Requires LP gas engine.....	Q069-09	\$830.	8
Requires diesel engine	Q069-10	\$830.	8

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EFFECTIVE: 04/14/03a

CHALLENGER- 27

REPLACES: 09/15/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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Seat actuated if operator does NOT return the column mounted directional control lever to the neutral position.

Requires powershift transmission and column lever options on order. VOIDS UL APPROVAL.

Requires gas engine	Q069-11	\$935.	8
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Requires LP gas engine.....	Q069-12	\$935.	8
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Requires diesel engine	Q069-13	\$935.	8
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EXHAUST SYSTEM

Counterweight rear exhaust – VOIDS UL APPROVAL

Requires gas engine option on order.....	Q068-07	\$2,650.	12
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Requires LPG engine option on order	Q068-08	\$2,650.	12
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FILTER

Hydraulic tank breather filter- - 10 micron filter replaces standard	Q120-02	\$210	3
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FIRE EXTINGUISHER

5 lb. Dry Chemical.....	Q080-01	\$350.	4
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10 lb. Dry Chemical.....	Q080-03	\$410.	4
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FORK

See Introduction for Notes.

FORK-HOOK TYPE, PALLET STYLE

Unit	ITA Class	Section				
H135-155XL2IV		60mm x 150mm (2.5" x 6")	48".....	Q086-32	\$1,115. pr.	12
			54".....	Q086-33	\$1,210. pr.	12
			60".....	Q086-34	\$1,310. pr.	12
			72".....	Q086-35	\$1,430. pr.	12

FORK-HOOK TYPE, POLISHED & TAPERED STYLE

Contact Applications Engineering.

FORK-PIN TYPE, BLOCK STYLE

Contact Applications Engineering.

FORK-PIN TYPE, PALLET STYLE

Contact Applications Engineering.

FORK-PIN TYPE, POLISHED & TAPERED STYLE

Specify length in 2" increments on order.

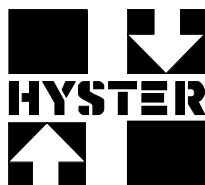
Unit	Section				
H135-155XL2	60mm x 150mm (2.5" x 6")	48".....	Q329-25	\$1,540 pr.	12
		54".....	Q329-26	\$1,605. pr.	12

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EFFECTIVE: 04/14/03a

CHALLENGER- 28

REPLACES: 09/15/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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FOUNDRY CONSTRUCTION

Foundry Package NOT AVAILABLE on units with CAB.

Includes:

- 10 micron hydraulic tank breather filter (see also [FILTER](#))
- 30-45 amp alternator with sealed brushes and bearings with integral regulator (see also [ALTERNATOR](#))
- Overhead mounted precleaner for engine air cleaner (see also [ENGINE AIR FILTER](#))
- Cyclopac type heavy duty air cleaner element (see also [ENGINE AIR FILTER](#))

Options:

- Fire resistant hydraulic fluid (See [HYDRAULIC FLUID](#))
- Magnetic drain plug in hydraulic tank to attract metal particles (Contact Applications Engineering)
- Engine air restriction indicator (see [INDICATOR](#))

Package:

Requires GM gas or LP gas engine and UL type G or LP options	Q349-20	\$1,315.	12
Requires Perkins diesel engine and UL type D options	Q349-24	\$1,315.	12

FUEL INDICATOR-LOW LPG

Requires LP gas engine or dual fuel. UL APPROVED	Q165-01	\$580.	8
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FUEL TANK

LP gas tank – aluminum. Requires LP gas engine option on order.

43.5# ICC tank	Q060-08	\$600.	12
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GROUND STRAP (STATIC STRAP)

Prevents build up of static electricity on frame and steer axle	Q108-01	\$70.	6
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HOSE GROUP-3 FUNCTION

3 Function - 2 Hoses routed Internal (1 Auxiliary Function)

Special 2-Stage LFL Mast only	Q373-11	\$690.	10
Special 3-Stage FFL Mast only	Q373-12	\$805.	8

HOSE GROUP-4 FUNCTION

4 Function – 4 Hoses routed Internal (2 Auxiliary Functions)

Special 2-Stage LFL Mast only	Q374-14	\$895.	10
Special 3-Stage FFL Mast only	Q374-15	\$1,095.	10

HYDRAULIC CONTROL LEVER

Factory Installed Only. Requires applicable control valve on order. Attachment function identification BEZELS for special auxiliary function lever knobs will NOT be supplied unless a hydraulic attachment is ordered or the functions for an attachment to be installed in the field are supplied on the order.

4 Function-4 Individual Levers (requires 4-Function Valve on order)	Q338-22	\$1,040.	10
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HYDRAULIC FITTING-QUICK DISCONNECT

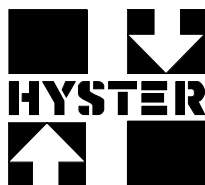
Contact Applications Engineering.

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EFFECTIVE: 04/14/03a

CHALLENGER- 29

REPLACES: 09/15/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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HYDRAULIC FLUID

Basic Truck compatible with Houghtosafe 620 Fire Resistant Fluid. Includes special tilt, steering and hydraulic pump seals, Houghtosafe hydraulic fluid.

Quoted Houghtosafe compatible mast MUST be on order. Contact Applications Engineering.

FACTORY INSTALLED. CANNOT BE INSTALLED ON STOCK BASIC. . Q140-01	\$2,880.	12
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HYDRAULIC PRESSURE REGULATOR

Contact Applications Engineering.

HYDRAULIC VALVE-LOAD PROTECTOR

Contact Applications Engineering.

INDICATOR

Air restriction indicator	Q126-02	\$215.	4
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LIGHT-STROBE

Continuous strobe, key switch actuated, UL APPROVED.

Overhead guard top mounted – increases truck height approximately 7".

Red	Q393-13	\$655.	10
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Amber	Q393-14	\$655.	10
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Mounted below overhead guard top.

Red	Q393-15	\$655.	12
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Amber	Q393-16	\$655.	12
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LOAD BACKREST EXTENSION

See Introduction for Notes.

Class IV Hook Type Carriages.

48" Wide x 48" Height	Q166-21	\$320.	10
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54" Wide x 48" Height	Q166-25	\$430.	10
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60" Wide x 48" Height	Q166-29	\$520.	10
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78" Wide x 48" Height	Q166-37	\$610.	10
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MAST TILT

Bottler's Tilt – Not Available with clamping attachments

Production tilt cylinder rod ends replaced with special rod ends. 10 degrees forward, 5 degrees back tilt.

Installed.....	Q285-17	\$400. pr.	4
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MAST TILT - LIMITER

See Introduction for Notes.

MAST TILT- LIMITER BACK/FORWARD

Contact Application Engineering.

MAST TILT SPEED

Contact Application Engineering.

MIRROR

Price list cab options do not include this mirror.

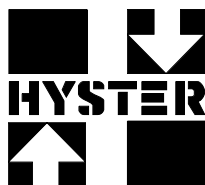
Rearview mirror. NOT intended for reverse driving.	Q177-01	\$465.	8
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EFFECTIVE: 04/14/03a

CHALLENGER- 30

REPLACES: 09/15/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100 net	4
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OVERHEAD GUARD

(See Introduction for Notes)

PAINT

ONE COLOR-Lead/Chromate free enamel paint on all normally painted exterior surfaces only. Exterior paint may be applied over standard color prepainted surfaces. Does NOT include interior surfaces. Paint color panel/chip must accompany orders for Non-Hyster colors. Hyster paint vendor to match color. Contrasting features, color and decals provided at Hyster's discretion. Hyster reserves the right to reject requirements for UNUSUAL NON-STANDARD Paints, PAINT SCHEMES or paints requiring SPECIAL APPLICATION TECHNIQUE. For paint schemes not listed or for special colors on NOT INSTALLED options pr special items, contact SPED. Specify one paint color number for each item ordered.

Color Number: 1 = Hyster yellow

2 = Hyster white

3 = Hyster red

4 = Hyster black

5 = Non-Hyster color. Requires color panel/chip with order!

Orders received without such will be delayed!

Complete Truck (not forks or cab)-replace standard colors	Q191-08	\$1,145.	16
Chassis/counterweight/hood -replace yellow & black	Q191-09	\$705.	16
Chassis/counterweight/hood -replace yellow only	Q191-10	\$670.	12
Overhead Guard -replace black only	Q191-05	\$160.	12
Cab -replace standard color	Q191-07	\$230.	16
Wheels -replace standard color	Q191-12	\$160.	16
Mast/carriage/attachment -replace standard color	Q191-13	\$500.	16
Load Backrest -replace standard color	Q191-14	\$120.	12
Forks -replace standard color	Q191-06	\$130. pr.	16

SEAT-LOW PROFILE

Contact Applications Engineering.

SEAT-SUSPENSION

Grammer GS-12 semi-suspension seat, replacing standard non-suspension seat. Reduces the operator's head clearance approximately 1-1/2". Consult technical guide for head clearance information. OSHA recommended operator clearance from depressed seat to underside of overhead guard is 39" minimum. Includes seat adjustment and operator restraints.

Requires standard non-suspension seat option referenced on order.

VINYL COVERED SEAT	Q398-06	\$575.	12
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FABRIC COVERED SEAT	Q398-07	\$575.	12
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(Not recommended for outdoor applications without a cab.)

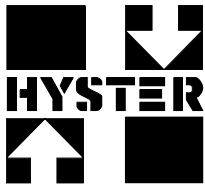
Full Suspension Swivel seat – Contact Applications Engineering.

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EFFECTIVE: 04/14/03a

CHALLENGER- 31

REPLACES: 09/15/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H135,155XL2
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F006**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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TRANSMISSION

Auxiliary Transmission Oil Cooler.

Requires powershift transmission option and restricted back tilt.....	Q297-03	\$850.	10
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TIRE GROUP

See Introduction for Notes.

PNEUMATIC SHAPE SOLID DUAL DRIVE AND STEER GROUP (set of 6)

Includes wheels and spacers. Requires standard tires options on order.

Monarch (Trelleborg) Mono-matic (Red Label) - 8.25 x 15 Contact Applications Engineering.

Monarch (Trelleborg) Mono-matic Soft Shoe (White label)

8.25 x 15	Q072-02	\$3,500. set	10
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PNEUMATIC DUAL DRIVE AND STEER GROUP (set of 6) Includes wheels & spacers.

Michelin XZM Radial – 8.25R15 – 18PR PL

TRACTION SPEED LIMIT

Contact Application Engineering.

WARNING SYSTEM

BACKUP ALARM. Alarm sounds when key is on and direction control is in reverse mode only.

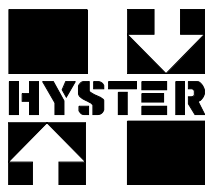
Requires powershift transmission option on order	Q222-14	\$790.	12
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EFFECTIVE: 04/14/03a

CHALLENGER- 32

REPLACES: 09/15/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

H170,190,210,230,250,280HD
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F007

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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F007 – H170, 190,210,230,250,280HD

AXLE OPTIONS

Severe Duty Axle Ends PL

CAB ACCESSORY

Cab Accessory - Noise Reduction
Contact Application Engineering.

Cab Accessory – Steel Doors	Q305-15	\$1,850 set	13
Requires PL option 072-03 ComforCab II.			

FUEL TANK

Fuel Tank - 44.9 Gallon (170 Liter)	Q060-10	\$390.	13
Replaces standard 33.5 Gallon (127 Liter) Tank. Note: Utilizes special Protectoseal Fuel Cap not available on standard size tank.			

HOSE GROUP – 3 FUNCTION

3 Function-External mounted. No Hose Reel (2 Hoses, no wire cable)			
Use with Special 2 STG NFL Mast.....	Q373-30	\$935.	10
Use with Special 3 STG Mast.....	Q373-31	\$2,315.	10

HOSE GROUP – 4 FUNCTION

4 Function-Includes Selector Valve. External mounted. No Hose Reel (3 Hoses, 1 wire cable)			
Use with Special 2 STG NFL Mast.....	Q374-30	\$1,200.	10
Use with Special 3 STG Mast.....	Q374-31	\$2,735.	10

HOSE GROUP – 5 FUNCTION

5 Function-Includes Selector Valve. External mounted. No Hose Reel (3 Hoses, 1 wire cable)			
Use with Special 2 STG NFL Mast.....	Q375-30	\$1,365.	10
Use with Special 3 STG Mast.....	Q375-31	\$2,735.	10

HOSE GROUP – 6 FUNCTION

6 Function-Includes Selector Valve. External mounted. No Hose Reel (3Hoses, 1 wire cable)			
Use with Special 2 STG NFL Mast.....	Q376-30	\$1,365.	10
Use with Special 3 STG Mast.....	Q376-31	\$2,735.	10

HOOD

Hood Locks (EEC compliant)	Q098-02	\$230.	8
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LOAD BACKREST

Double Height Load Backrest -For use in transporting empty shipping containers two high on forks.
H280HD only..... Contact Applications Engineering

MAST

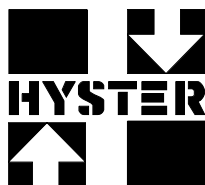
Mast-Cross Bracing-For 2 Stage Mast	Q23105	\$780.	17
Note: Suggested for Applications when handling extremely wide loads. For additional information, contact Application Engineering.			

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EFFECTIVE: 04/14/03

CHALLENGER- 33

REPLACES: 12/12/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

H170,190,210,230,250,280HD
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE F007

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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MAST TILT-LIMITER BACK/FORWARD

See Introduction for Notes.

Back and Forward tilt limiters are available in one-degree increments within the range shown. Specify the required degree of back/forward tilt on order. Consult the Industrial Truck Price List for production offering and usage restrictions before quoting. NOTE that if total degrees of tilt sums up greater than maximum P.L. total tilt, contact SPED for approval (i.e. 7° Forward + 8° Back = 15° Total tilt). FACTORY INSTALLED.

Minimum	Maximum			
5°	15°	Back Tilt	Q287-01	\$420. pr. 13
0°	20.5°	Forward Tilt	Q288-01	\$480. pr. 13

NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100 net	8
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PAINT

ONE COLOR-Lead/Chromate free enamel paint on all normally painted exterior surfaces only. Exterior paint may be applied over standard color prepainted surfaces. Does NOT include interior surfaces. Paint color panel/chip must accompany orders for Non-Hyster colors. Hyster paint vendor to match color. Contrasting features, color and decals provided at Hyster's discretion. Hyster reserves the right to reject requirements for UNUSUAL NON-STANDARD Paints, PAINT SCHEMES or paints requiring SPECIAL APPLICATION TECHNIQUE. For paint schemes not listed or for special colors on NOT INSTALLED options pr special items, contact Applications Engineering.

Specify one paint color number for each item ordered.

Color Number: 1 = Hyster yellow
2 = Hyster white
3 = Hyster red
4 = Hyster black
5 = Non-Hyster color. Requires color panel/chip with order! Orders received without such will be delayed!

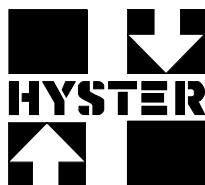
Complete Truck (not forks or cab)-replace standard colors	Q191-08	\$5,500.	15
Chassis/counterweight/hood -replace yellow only	Q191-10	\$3,450.	15
Overhead Guard/Cab -replace black only(outside only)	Q191-05	\$1,425.	15
Wheels -replace standard color	Q191-12	\$670.	15
Mast/carriage/attachment -replace standard color	Q191-13	\$2,525.	15
Forks -replace standard color	Q191-06	\$285.	15

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EFFECTIVE: 04/14/03

CHALLENGER- 34

REPLACES: 12/12/02



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H300,330,360HD
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE E019**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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E019 – H300, 330, 360HD

CAB ACCESSORY

Cab Accessory - Noise Reduction
Contact Application Engineering.

Cab Accessory – Steel Doors	Q305-15	\$1,850 set	13
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Requires PL option 072-03 ComforCab II.

FUEL TANK

Fuel Tank - 44.9 Gallon (170 Liter)	Q060-10	\$390.	13
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Replaces standard 33.5 Gallon (127 Liter) Tank.

Note: Utilizes special Protectoseal Fuel Cap not available on standard size tank.

HOSE GROUP – 3 FUNCTION

3 Function-External mounted. No Hose Reel (2 Hoses, no wire cable)

Use with Special 2 STG NFL Mast.....	Q373-30	\$935.	10
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Use with Special 3 STG Mast.....	Q373-31	\$2,315.	10
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HOSE GROUP – 4 FUNCTION

4 Function-External mounted. No Hose Reel (2 Hoses, 1 wire cable)

Use with Special 2 STG NFL Mast.....	Q374-30	\$1,200.	10
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Use with Special 3 STG Mast.....	Q374-31	\$2,735.	10
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HOSE GROUP – 5 FUNCTION

5 Function-Includes Selector Valve. External mounted. No Hose Reel (2 Hoses, 1 wire cable)

Use with Special 2 STG NFL Mast.....	Q375-30	\$1,365.	10
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Use with Special 3 STG Mast.....	Q375-31	\$2,735.	10
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HOSE GROUP – 6 FUNCTION

6-Function-Includes Selector Valve. External mounted. No Hose Reel (2 Hoses, 1 wire cable)

Use with Special 2 STG NFL Mast.....	Q376-30	\$1,365.	10
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Use with Special 3 STG Mast.....	Q376-31	\$2,735.	10
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HOOD

Hood Locks (EEC compliant).....	Q098-02	\$230.	8
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LOAD BACKREST

Double Height Load Backrest -For use in transporting empty shipping containers two high on forks.

H300-360HD only. Contact Application Engineering

MAST

Mast-Cross Bracing-For 2 Stage Mast	Q23105	\$780.	17
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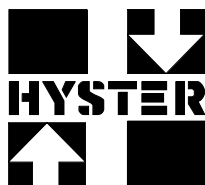
Note: Suggested for Applications when handling extremely wide loads. For additional information, contact Application Engineering.

Prices, availability, and lead times are subject to change without notice. The pricing, availability, and lead time information contained in NOMS and HERO is the correct and current information. Be sure to download your HERO price book at least once a week. It is also recommended that you verify quotes against the HERO information before giving them to a prospective customer.

EFFECTIVE: 04/14/03

CHALLENGER- 35

REPLACES: 12/12/02



**HYSTER COMPANY
SPED PRICE LIST
APPLICATIONS ENGINEERING DEPARTMENT**

**H300,330,360HD
SITDOWN-COUNTERBALANCED
INTERNAL COMBUSTION (IC)
PNEUMATIC TIRE
SERIES CODE E019**

*NOT ENGINEERED special items will INCREASE AVAILABILITY – See INTRODUCTION for complete details.

Description	Item No.	Price	Availability (In Weeks *)
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MAST TILT-LIMITER BACK/FORWARD

See Introduction for Notes.

Back and Forward tilt limiters are available in one-degree increments within the range shown. Specify the required degree of back/forward tilt on order. Consult the Industrial Truck Price List for production offering and usage restrictions before quoting. NOTE that if total degrees of tilt sums up greater than maximum P.L. total tilt, contact SPED for approval (i.e. 7° Forward + 8° Back = 15° Total tilt). FACTORY INSTALLED.

Minimum	Maximum			
5°	15°	Back Tilt	Q287-01	\$420. pr. 13
0°	20.5°	Forward Tilt	Q288-01	\$480. pr. 13

NAMEPLATE

Additional Nameplate FACTORY INSTALLED. Nameplates will be provided with one load center giving the rating at maximum fork height and the maximum possible rating at a lower fork height. For NOT INSTALLED nameplates, submit "DEALER REQUEST FOR NAMEPLATE" form.

Metric Values with English Values Referenced	Q198-03	\$100 net	8
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PAINT

ONE COLOR-Lead/Chromate free enamel paint on all normally painted exterior surfaces only. Exterior paint may be applied over standard color prepainted surfaces. Does NOT include interior surfaces. Paint color panel/chip must accompany orders for Non-Hyster colors. Hyster paint vendor to match color. Contrasting features, color and decals provided at Hyster's discretion. Hyster reserves the right to reject requirements for UNUSUAL NON-STANDARD Paints, PAINT SCHEMES or paints requiring SPECIAL APPLICATION TECHNIQUE. For paint schemes not listed or for special colors on NOT INSTALLED options pr special items, contact Applications Engineering.

Specify one paint color number for each item ordered.

Color Number: 1 = Hyster yellow

2 = Hyster white

3 = Hyster red

4 = Hyster black

5 = Non-Hyster color. Requires color panel/chip with order! Orders received without such will be delayed!

Complete Truck (not forks or cab)-replace standard colors	Q191-08	\$5,500.	15
Chassis/counterweight/hood -replace yellow only	Q191-10	\$3,450.	15
Overhead Guard/Cab -replace black only(outside only)	Q191-05	\$1,425.	15
Wheels -replace standard color	Q191-12	\$670.	15
Mast/carriage/attachment -replace standard color	Q191-13	\$2,525.	15
Forks -replace standard color	Q191-06	\$285.	15

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EFFECTIVE: 04/14/03

CHALLENGER- 36

REPLACES: 12/12/02