

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

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

CLASS V – CONTENTS

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EFFECTIVE: 04/15/02

CHALLENGER- 1

REPLACES: 08/01/01



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 gas engine option on order.....	Q006-15	\$710.	12
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Requires Isuzu or Mazda diesel engine option on order.....	Q006-17	\$710.	12
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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.

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

Width ITA Class.			
48" II	Q465-03	\$2,400.	14

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

Width ITA Class			
38.5" II	Q296-20	\$2,160.	14
42" II	Q296-21	\$2,280.	14
48" II	Q296-22	\$2,400.	14

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

Width ITA Class			
42" II	Q467-02	\$2,280.	14
48" II	Q467-03	\$2,400.	14

COLD START AID

Engine block heater requires 110 Volt AC outlet	Q048-01	\$1,035.	14
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EFFECTIVE: 04/15/02

CHALLENGER- 2

REPLACES: 08/01/01



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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ELECTRIC ATTACHMENT GROUP

NOTES:

- A. Each electric attachment group special item listed:
 1. does NOT include a SOLENOID valve. Solenoids are to be provided by the dealer or supplied as part of the attachment.
 2. is for FACTORY INSTALLATION only.
 3. requires a mast, applicable hydraulic control valve, applicable hose group and the special placard item on order.
 4. VOIDS UL APPROVAL.
- B. See Price List for 5 function option alternatives. For questions or other alternatives, contact SPED.

3 Auxiliary Function Attachment - All internal routing through mast. 2 functions lever actuated and 1 function controlled via solenoid actuation. Includes necessary electrical cable, 4 function hydraulic hoses, components required for internal routing of electrical cable, and operator control switching for actuation of solenoid.

Requires 4-function valve and 4-function hose group on order.Q074-05	\$1,425.	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	\$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

ENGINE WARNING SYSTEM

High water temperature and low oil pressure conditions.

Includes warning light and buzzer – VOIDS UL APPROVAL	Q180-01	\$940.	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	\$2,100.	14
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VOIDS UL APPROVAL. Requires diesel engine on order	Q068-11	\$1,790.	14
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FILTER

Hydraulic tank breather filter- - 10 micron filter replaces standard	Q120-02	\$255	4
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EFFECTIVE: 04/15/02

CHALLENGER- 3

REPLACES: 08/01/01



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H25,30,35,40XMS
SIT DOWN
COUNTERBALANCED
PNEUMATIC TIRE
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Description	Item No.	Price	Availability (In Weeks *)
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FIRE EXTINGUISHER

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

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 (1.5" x 4")	32"-34"	Q086-36 \$325. pr. 12
		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 (1.5"x 4")	30"	Q380-01 \$430. pr. 12
		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

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

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EFFECTIVE: 04/15/02

CHALLENGER- 4

REPLACES: 08/01/01



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H25,30,35,40XMS
SIT DOWN
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PNEUMATIC TIRE
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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 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	\$2,085.	18
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LPG hose-stainless steel wire braid. UL Approved. Requires LP gas engine option on order.....	Q095-03	\$225.	6
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FUEL TANK

LP gas tank – steel LP gas engine option on order. FACTORY NSTALLLED ONLY. 33.5# ICC tank	Q060-02	\$435	5
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GROUND STRAP (STATIC STRAP)

Prevents build up of static electricity on frame and steer axle	Q108-01	\$85.	2
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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	\$720.	14
-4 Function – High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift.....	Q187-17	\$720.	14

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EFFECTIVE: 04/15/02

CHALLENGER- 5

REPLACES: 08/01/01



HYSTER COMPANY SPED PRICE LIST APPLICATIONS ENGINEERING DEPARTMENT

**H25,30,35,40XMS
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COUNTERBALANCED
PNEUMATIC TIRE
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Description	Item No.	Price	Availability (In Weeks *)
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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
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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.	14
-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift.....	Q187-20	\$740.	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
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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
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Other Mast Styles or 5 function hose groups		SPED	
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HYDRAULIC FLUID

Fire Resistant – Houghtosafe 620. FACTORY INSTALLED.

CANNOT BE INSTALLED ON STOCK BASIC. Contact SPED for a quoted mast to replace the standard mast at no additional charge	Q140-01	\$2,880.	18
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HYDRAULIC PRESSURE REGULATOR

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

1 st & 2 nd positions are 50-1000 psi and the 3 rd position is 500-3000 psi. Requires applicable control valve and hose group on order.....	Q203-01	\$2,700.	12
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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.

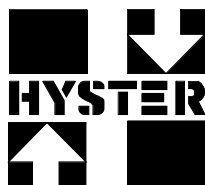
Red.....	Q393-15	\$420.	12
Amber.....	P.L.		

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EFFECTIVE: 04/15/02

CHALLENGER- 6

REPLACES: 08/01/01



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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LINT/COTTON CONSTRUCTION

Features suggested for use in lint, cotton, paper, paper recycling or other fibrous materials applications. Contact SPED for assistance with feature selections for a particular application.

Package features:

- Insulated exhaust
- Sealed bearings in alternator
- Inching pedal modification
- Screened side panels and kickplate
- Booted electrical terminals
- Spark arresting exhaust

Requires UL Classification GS or LPS option on order.

Package factory installed; requires Open Core Radiator option on order.

NOT AVAILABLE on stock basics.....	Q130-01	\$3,600.	14
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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	\$150.	6
Unpainted parts coated with low temperature grease.....	Q145-02	\$150.	6
Lift chains saturated with low temperature grease			
Requires mast on order	Q145-03	\$150.	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	\$85. 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	\$350.	8
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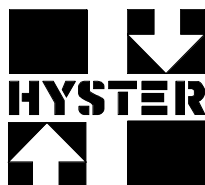
Order for standard or special overhead guard.

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EFFECTIVE: 04/15/02

CHALLENGER- 7

REPLACES: 08/01/01



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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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

SEAT-LOW PROFILE

Low profile seat replacing standard seat increases operator head clearance approximately 1".

Requires non-suspension seat option on order.

Vinyl coveringQ397-02 \$1,040. 12

Fabric coveringQ397-03 \$1,040. 12

SEAT-SUSPENSION

Semi-Suspension – VinylQ065-01 \$575. 12

Semi-Suspension – ClothQ065-02 \$625. 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 – VinylQ398-11 \$1,190. 12

Swivel-Full Suspension – FabricQ398-10 \$1,270. 12

TIRES

See Introduction for Notes.

TIRE-DRIVE

Pneumatic Shaped Solid Drive-Monarch

6.5 x 10Q111-04 \$1,275. pr. 10

TIRE-STEER

Pneumatic Shaped Solid Steer-Monarch

Mono-Matic.

5.00 x 8Q270-01 \$870. pr 10

Mono-Matic Soft Shoe (White Label)

5.00 x 8Q270-04 \$750. pr. 10

TRANSMISSION

Auxiliary Transmission Oil Cooler.Q297-03 \$725. 12

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: 04/15/02

CHALLENGER- 8

REPLACES: 08/01/01



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.

Parker 1-quart piston type	Q001-02	\$1,050.	16
Hydra Smooth 1-quart piston type	Q001-06	\$1,560.	16

ALTERNATOR - SEALED

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 Mazda gas or LP gas engine option on order.....	Q006-15	\$1,000.	10
Requires GM gas or LP gas engine option on order.....	Q006-16	\$650.	10
Requires Isuzu or Mazda diesel engine option on order.....	Q006-17	\$855.	10

BELLY PAN

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

Includes cutouts for access to drain plugs	Q026-01	\$260.	10
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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	\$2,000.	14
48"	III	P.L.	H60-65XM	Q465-07	\$2,000.	14

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

Width	ITA Class	Forks Ref.				
48"	II	P.L.	H45-55XM	Q296-22	\$2,000.	14
48"	III	P.L.	H60-65XM	Q296-31	\$2,000.	14

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

Width	ITA Class	Forks Ref.				
48"	II	P.L.	H45-55XM	Q467-03	\$2,000.	14
48"	III	P.L.	H60-65XM	Q467-08	\$2,000.	14
54"	III	P.L.	H60-65XM	Q467-09	\$2,100.	14
60"	III	P.L.	H60-65XM	Q467-10	\$2,300.	14

COLD START AID

Engine block heater requires 110 Volt AC outlet	Q048-01	\$650.	165
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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	\$625.	10
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NOTE: For Foundry Construction Item Q004-04 is included.

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EFFECTIVE: 04/15/02

CHALLENGER- 9

REPLACES: 11/01/01



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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Precleaner mounted on overhead guard. Compatible with Production Cab NOT AVAILABLE w/CARB Emissions Compliant Engine.....	Q004-06	\$1,300.	10
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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	\$580.	10
Requires LP gas engine	Q069-02	\$580.	10
Requires diesel engine.....	Q069-03	\$550.	10

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

Requires gas engine	Q069-08	\$565.	8
Requires LP gas engine	Q069-09	\$565.	8
Requires diesel engine.....	Q069-10	\$565.	8

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

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	\$1,800.	16
VOIDS UL APPROVAL. Requires diesel engine on order	Q068-11	\$1,200.	16

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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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	\$600. pr.	12
		56"-58"	H45-55XM	Q086-44	\$720. pr.	12
III	50mm x 125mm (2" X 5")	38"-40"	H60-65XM	Q086-19	\$660. pr.	12
		54"	H60-65XM	Q086-53	\$760. pr.	12
		56"-58"	H60-65XM	Q086-22	\$780. pr.	12
		72"	H60-65XM	Q086-54	\$940. pr.	12

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EFFECTIVE: 04/15/02

CHALLENGER- 10

REPLACES: 11/01/01



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-HOOK TYPE, POLISHED & TAPERED STYLE

Specify length in 2" increments on order.

ITA

Class	Section	Length				
III	50mm x 125mm	36"	H60-65XM	Q380-21	\$740. pr.	12
	(2" x 5")	38" – 40"	H60-65XM	Q380-22	\$780. pr.	12
		44" – 48"	H60-65XM	Q380-23	\$840. pr.	12
		56" – 60"	H60-65XM	Q380-25	\$960. 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)
- 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 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	\$2,240.	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.....	Q349-20	\$2,000.	14
Requires GM gas or LP gas engine and UL type GS or LPS options..	Q349-21	\$1,850.	14
Requires Diesel engine and UL type D options on order	Q349-22	\$2,330.	14
Requires Diesel engine and UL type DS options on order.....	Q349-23	\$1,850.	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.

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

Requires Mazda Gas option.....	Q095-05	\$1,925.	10
Requires GM Gas option.....	Q095-06	\$2,150	10

FUEL TANK

LP gas tank – steel. Requires LP gas engine option on order.
FACTORY INSTALLED ONLY.

33.5# ICC tank	Q060-02	\$360	6
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EFFECTIVE: 04/15/02

CHALLENGER- 11

REPLACES: 11/01/01



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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GROUND STRAP (STATIC STRAP)

Prevents build up of static electricity on frame and steer axle	Q108-01	\$85.	2
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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.	14
-4 Function – High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift.....	Q187-17	\$600.	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	\$1,150.	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	\$615.	14
-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift.....	Q187-20	\$615.	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	\$1,170.	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	\$570.	14
-4 Function– High Termination 4 th function at top left side of carriage. 3 rd function used with sideshift	Q187-23	\$570	
4 th function at top left side of carriage. Not compatible with sideshift.	Q187-24	\$825.	14

HYDRAULIC FLUID

Fire Resistant Houghtosafe 620 - FACTORY INSTALLED. CANNOT BE INSTALLED ON STOCK BASIC.
All internal combustion units require a powershift transmission optionQ140-01 \$2,880. 18

LIFTING EYES

Installed	Q163-07	\$850.	10
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(Contact Applications Engineering for details of lifting eye placement, sling lengths and/or spreader bar requirements.)

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EFFECTIVE: 04/15/02

CHALLENGER- 12

REPLACES: 11/01/01



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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LIGHT-STROBE

Continuous strobe, key switch actuated, UL APPROVED.

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

Red.....	Q393-13	\$500.	12
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Amber.....	Q393-14	\$500.	
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Mounted below overhead guard top.

Red.....	Q393-15	\$500.	12
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Amber.....	P.L.		
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LIGHT-TURN SIGNAL

Turn Signals (2) Rear (includes 2 Stop/Tail Lights) UL Approved	Q404-05	\$320.	8
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LINT/COTTON CONSTRUCTION

Features suggested for use in lint, cotton, paper, paper recycling or other fibrous materials applications. Contact SPED for assistance with feature selections for a particular application.

Package features:

- Insulated exhaust
- Inching pedal modification
- Screened side panels and kickplate
- Sealed Alternator (Included with GS, LPS or DS)
- Spark Proof Muffler (Included with GS, LPS or DS)
- Booted Wire Terminals (Included with GS, LPS or DS)
- Battery Cut-off Switch (Included with GS, LPS or DS)

Requires UL Classification GS, LPS or DS (PL option 056-02 or 056-03) on order.

Package factory installed. NOT AVAILABLE on stock basics.	Q130-01	\$1,370.	14
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LOAD BACKREST EXTENSION

See Introduction for Notes

Carriage or	Height				
Attachment Width	36"	42"	48"	60"	
42"	Q166-15 \$415.	Q166-16 425.	P.L.	SPED	14
48"	Q166-19 \$445.	Q166-20 460.	P.L.	SPED	14
54"	SPED	SPED	Q166-25 470.	SPED	14
60"	Q166-27 \$505.	Q166-28 515.	Q166-29 500.	Q166-30 565.	14

LUBRICANT/COATING

Electrical terminals sprayed with waterproof plastic	Q145-01	\$270.	6
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Unpainted parts coated with low temperature grease.....	Q145-02	\$270.	6
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Lift chains saturated with low temperature grease

Requires mast on order	Q145-03	\$270.	6
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EFFECTIVE: 04/15/02

CHALLENGER- 13

REPLACES: 11/01/01



**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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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	\$85. net	4
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MIRROR

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

OVERHEAD GUARD

Wire mesh added to top increases height approximately 3/8"	Q153-01	\$560.	10
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Order for standard or special overhead guard.

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 SPED with specific overall height (OAH).

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	\$975.	12
Fabric covering	Q397-03	\$975.	12

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	\$650.	8
Fabric Covered Seat	Q065-02	\$730.	8

SEAT-FULL SUSPENSION

Full Suspension Swivel Seat – Contact Applications Engineering for availability.

TIRES

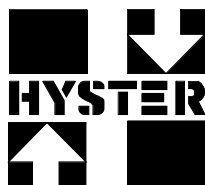
See Introduction for Notes.

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EFFECTIVE: 04/15/02

CHALLENGER- 14

REPLACES: 11/01/01



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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TIRE-DRIVE

Michelin XZM Radial Single Drive Tires

H45-50XM – 7.00R12	Q103-01	\$800. pr.	10
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H55-65XM – 225/75R15	Q103-02*	\$950. pr.	10
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*Contact Applications Engineering for specific capacities.

Pneumatic Shaped Solid Drive-Monarch

H45-50XM – 28 x 9-15	Q111-11	\$1,955. pr.	10
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H55-65XM – 28 x 9-15	Q111-12	\$1,840. pr.	10
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Pneumatic Shaped Solid Drive, Non-Marking – Monarch
(Includes Static Strap)

H45-50XM – 7 x 12 Non-Marking.....	Q319-11	\$1,080. pr.	16
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H55-65XM – 28 x 9-15 Non-Marking	Q319-12	\$1,280. pr.	16
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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	\$1,590. set	16
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TIRE-STEER

Michelin XZM Radial Steer Tires

H45-50XM – 6.00R9	Q268-01	\$575. pr.	10
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H55-65XM – 6.50R10	Q268-02	\$670. pr.	10
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Pneumatic Shaped Solid Steer-Monarch

Mono-Matic Soft Shoe (White Label)

H45-50XM = 6.00x 9	Q270-05	\$1,000. pr.	10
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H55-65XM – 6.50 x 10	Q270-08	\$1,020. pr.	10
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Pneumatic Shaped Solid Steer, Non-Marking – Monarch

H45-50XM – 6.00 x 9 Non-Marking.....	Q270-10	\$650. pr.	10
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H55-65XM – 6.50 x 10 Non-Marking.....	Q270-11	\$800. pr.	10
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TRANSMISSION

Auxiliary Transmission Oil Cooler

Integral with 3mm Square Wave Radiator	Q297-04	\$695.	10
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TRACTION SPEED LIMIT

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.

2500 RPM maximum.....	SPED
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WARNING SYSTEM

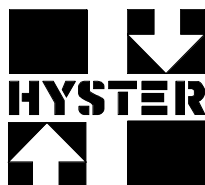
BACKUP ALARM	P.L.
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EFFECTIVE: 04/15/02

CHALLENGER- 15

REPLACES: 11/01/01



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

Contact Applications Engineering.

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	\$3,385.	12
	Vista 2-Stage LFL	62"	Special	Special	Q258-25	\$3,540.	12
	Vista 2-Stage FFL	50"	Special	Special	Q258-43	\$3,385.	12
	Vista 2-Stage FFL	62"	Special	Special	Q258-44	\$3,540.	12
	Vista 3-Stage LFL	50"	Special	Special	Q258-26	\$3,385.	12
	Vista 3-Stage LFL	62"	Special	Special	Q258-27	\$3,540.	12
H100-120XM	Vista 2-Stage LFL	56"	Special	Special	Q258-29	\$3,595.	12
	Vista 2-Stage LFL	62"	Special	Special	Q258-30	\$3,755.	12
	Vista 2-Stage FFL	56"	Special	Special	Q258-45	\$3,595.	12
	Vista 2-Stage FFL	62"	Special	Special	Q258-46	\$3,755.	12
	Vista 3-Stage FFL	56"	Special	Special	Q258-33	\$3,595.	12
	Vista 3-Stage FFL	62"	Special	Special	Q258-34	\$3,755.	12

BELLY PAN

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

Includes cutouts for access to drain plugs	Q026-01	\$1,075.	10
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BRAKES

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

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EFFECTIVE: 04/15/02

CHALLENGER- 16

REPLACES: 02/13/02



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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COLD START AID

Note: Glow Plug is standard with Diesel Engine option.

Engine block heater requires 110 Volt AC outlet	Q048-01	\$790.	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.

ELECTRIC SYSTEM

Horn with electronically generated tone	Q062-05	\$185.	10
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Recommended for applications with high horn usage.

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	\$550.	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 SPED

FIRE EXTINGUISHER

5 lb. dry chemical	Q080-01	\$350.	4
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5 lb. CO ₂	Q080-02	\$520.	4
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10 lb. dry chemical	Q080-03	\$475.	4
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10 lb. CO ₂	Q080-04	\$645.	4
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EFFECTIVE: 04/15/02

CHALLENGER- 17

REPLACES: 02/13/02



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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FORK

See Introduction for FORK notes.

FORK-HOOK TYPE, PALLET STYLE

Contact Applications Engineering.

FORK-HOOK TYPE, POLISHED & TAPERED STYLE

Units	ITA Class	Section	Length			
H70-90XMS	III	50mm x 125mm (2" x 5")	48".....	Q380-23	\$840. pr.	8
			54".....	Q380-24	\$900. pr.	8
			60".....	Q380-25	\$960. pr.	8
			72".....	Q380-26	\$1,160. pr.	8
H100-120XM	IV	60mm x 150mm (2.5" x 6")	48".....	Q380-35	\$1,370. pr.	8
			54".....	Q380-36	\$1,480. pr.	8
			60".....	Q380-37	\$1,580. pr.	8
			72".....	Q380-38	\$1,880. pr.	8

FORK-PIN TYPE, BLOCK STYLE

Does not include spacer group. (See [FORK SPACER GROUP](#))

For use with SPED Price List [Pin Type Sideshift](#) and [Fork Spacer Group](#).

For all other uses, Contact SPED for APPROVAL.

Units	Section	Length			
H70-90XM	40mm x 50mm (1.5" x 2")	47.5".....	Q383-46	\$2,130. Set of 6	12
		47.5".....	Q383-47	\$2,840. Set of 8	12
H100-120XM		47.5".....	Q383-48	\$2,450. Set of 6	12
		47.5".....	Q383-49	\$3,265. Set of 8	12

FORK-PIN TYPE, PALLET STYLE

Units	Section	Length			
H70-90XMS	50mm x 125mm (2" x 5")	48".....	Q330-09	\$1,015. pr.	8
		54".....	Q330-10	\$1,065. pr.	8
H100-120XM	60mm x 150mm (2.5" x 6")	48".....	Q330-20	\$1,445. pr.	8
		54".....	Q330-21	\$1,515. pr.	8
		60".....	Q330-22	\$1,575. pr.	8
		72".....	Q330-23	\$1,815. pr.	8

FORK-PIN TYPE, POLISHED & TAPERED STYLE

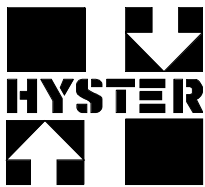
Units	Section	Length			
H70-90XMS	50mm x 125mm (2" x 5")	48".....	Q329-09	\$945. pr.	8
		54".....	Q329-10	\$985. pr.	8
H100-120XM	60mm x 150mm (2.5" x 6")	48".....	Q329-20	\$1,395. pr.	8
		54".....	Q329-21	\$1,465. pr.	8
		60".....	Q329-22	\$1,565. pr.	8
		72".....	Q329-23	\$1,855. pr.	8

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EFFECTIVE: 04/15/02

CHALLENGER- 18

REPLACES: 02/13/02



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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FORK-PIN TYPE, WOOD PRODUCT STYLE

Contact Applications 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 - Compatible with Cab, Premium Instrumentation and Overhead Exhaust. Standard truck equipment includes an Air Restriction Indicator (requires Premium Instrumentation), Square Wave 6.5 fins/inch anti-clogging radiator with built-in transmission oil cooler and puller type engine cooling fan. Requires Engine option (as required), Heavy Duty Air Precleaner option 078-02 and Radiator Screen option 022-10 on order.

Special Package includes:

- 45 amp sealed alternator (Standard with UL type "S")
- 10 micron Hydraulic Tank Breather Filter replaces standard 40 micron
- (2) Lube Fittings on each Tilt Pin

Requires UL type G/D/LP	Q349-26	\$915.	8
Requires UL type GS/DS/LPS	Q349-28	\$505.	8

Heavy Dust Foundry Package - Compatible with Cab, Premium Instrumentation and Overhead Exhaust. Standard truck equipment as described in basic Foundry Package. Requires options identified in basic Foundry Package.

Special package includes special equipment described in basic Foundry Package plus the following:

- Fully sealed, heavy duty belly pan and Maintenance door with pull cable opener
- Vented Side Panels
- Vented Kickplate (on units without Cab)
- Booted Tilt and Steer Cylinder Rods

Units without Cab, Requires UL type G/D/LP	Q349-27	\$4,535.	8
Units without Cab, Requires UL type GS/DS/LPS	Q349-29	\$4,180.	14
Units with Cab, Requires UL type G/D/LP	Q349-30	\$4,025.	14
Units with Cab, Requires UL type GS/DS/LPS	Q349-31	\$3,670.	14

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	\$725.	8
Special 2-Stage LFL Mast only	Q373-11	\$675.	8
Special 3-Stage FFL Mast only	Q373-12	\$770.	8

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EFFECTIVE: 04/15/02

CHALLENGER- 19

REPLACES: 02/13/02



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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HOSE GROUP-4 FUNCTION

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

Special 2-Stage FFL Mast only	Q374-13	\$1,070.	8
Special 2-Stage LFL Mast only	Q373-14	\$845.	8
Special 3-Stage FFL Mast only	Q373-15	\$1,110.	8

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.....	Q203-01	\$1,900.	10
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EFFECTIVE: 04/15/02

CHALLENGER- 20

REPLACES: 02/13/02



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 VALVE-LOAD PROTECTOR

Prevents lift chains from going slack after depositing a load with a clamping type attachment.....	Q348-01	\$1,760.	10
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LIGHT

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

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 – suggested for use in cotton, lint, paper or other fibrous materials applications.

Requires UL type "S" Approval option 056-02, Premium Instrumentation option 017-02, Radiator Screen option 022-01 and High Mount Heavy Duty Air Precleaner option 078-02 on order.

NOT available with Overhead or Catalytic Exhaust. Recommended that unit include Diesel Engine, Single Speed powershift Transmission, Monotrol Directional Control and a Fire Extinguisher. Compatible with special Auxiliary Transmission Oil Cooler and Booted Tilt/Steer Cylinder Rods. UL Approved.

Special Package includes:

- Exhaust Wrap
- Vented Side Panels
- Vented Kickplate (on units without Cab)
- Fully Sealed, Heavy Duty Belly Pan and maintenance access door with pull cable opener
- Brake Line Guards
- Park Brake Cable Guard
- Steer Wheel Baffles
- Standard 6.5 fin per inch Square Wave anti-clogging radiator with built-in transmission oil cooler

H70-120XM without Cab	Q130-02	\$4,550.	14
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H70-120XM with Cab	Q130-03	\$4,195.	14
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EFFECTIVE: 04/15/02

CHALLENGER- 21

REPLACES: 02/13/02



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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LOAD BACKREST EXTENSION

See Introduction for Load Backrest notes

Carriage or Attachment Width	Height 48"		
48"-50"	Q166-21 \$550.		8
54"-56"	Q166-25 \$580.		8
60"-62"	Q166-29 \$610.		8

LUBRICANT/COATING

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

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	\$2,375.	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.
0°	11°	Forward Tilt	Q288-01	\$340. pr.

MAST TILT INDICATOR

Indicator Light on the dash to show when Mast is in vertical position	Q286-01	\$820.	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.		
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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.

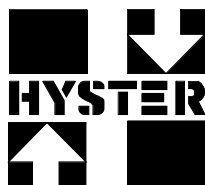
Metric Values with English Values Referenced	Q198-03	\$85 net	4
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EFFECTIVE: 04/15/02

CHALLENGER- 22

REPLACES: 02/13/02



**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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OPERATOR SHIELD

Lexan Windshield mounted between front overhead guard legs.

Requires restricted back tilt, contact SPED.	Q132-01	\$850.	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	\$730.	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 black only	Q191-05	\$175.	10
Cab -replace standard color	Q191-07	\$230.	10
Wheels -replace standard color	Q191-12	\$160.	12
Load Backrest -replace standard color	Q191-14	\$120.	12
Forks -replace standard color	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	\$760.	10
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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")

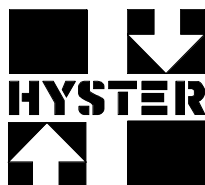
Black Vinyl covering	Q397-02	\$900.	8
Black Fabric covering	Q397-03	\$950.	8

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EFFECTIVE: 04/15/02

CHALLENGER- 23

REPLACES: 02/13/02



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 *)
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 - Requires single drive wheels option, pneumatic single drive tires option and identical steer tires on order.

H70-90XMS – 250 x 15-18PR			
Titan Premium Wide Trac	Std.		
Monarch Mono-Cushion 900	Q111-13	\$100 pr.	10
H100-120XM – 300 x 15-18PR			
Titan Premium Wide Trac	Std.		
Monarch Mono-Cushion 900	Q111-14	\$100 pr.	10

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 Soft Shoe Mono-Matic (red label) lug tread	P.L.		
Monarch Soft Shoe HP (white label) lug tread	Q111-07	\$1,235. pr.	10
Monarch Soft Shoe E-Class (blue label) lug tread	Q111-09	\$1,355. pr.	10
Monarch Soft Shoe Non-Mrk lug tread, includes ground strap	Q111-11	\$1,665 pr.	10
H100-120XM - 300 x 15			
Monarch Soft Shoe Mono-Matic (red label) lug tread	P.L.		
Monarch Soft Shoe HP (white label) lug tread	Q111-08	\$1,235. pr.	10
Monarch Soft Shoe E-Class (blue label) lug tread	Q111-10	\$1,355. pr.	10
Monarch Soft Shoe Non-Mrk lug tread, includes ground strap	Q111-12	\$1,715 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.		

TIRE-DUAL DRIVE (Includes Fenders)

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

H70-90XMS – 7.00 x 15-12PR	
Monarch Mono-Cushion 900	Contact Applications Engineering
H100-120Xm – 8.25 x 15-12PR	

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EFFECTIVE: 04/15/02

CHALLENGER- 24

REPLACES: 02/13/02



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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Monarch Mono-Cushion 900.....	Contact Applications Engineering		
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PNEUMATIC SHAPE SOLID - Requires dual drive wheels option (060-02) and identical type steer tires on order.

H70-90XMS – 7.00 x 15

Monarch Soft Shoe Mono-Matic (red label) lug treadP.L.

Monarch Soft Shoe HP (white label) lug treadQ182-05 \$2,515. set 10

Monarch Soft Shoe E-Class (blue label) lug tread.....Contact Applications Engineering

H100-120XM – 8.25 x 15

Monarch Soft Shoe Mono-Matic (red label) lug treadP.L.

Monarch Soft Shoe HP (white label) lug treadQ182-07 \$2,930. set 10

Monarch 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 \$1,730. set 10

H100-120XM - 8.25R15

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

TIRE-STEER

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

H70-120XM – 7.00 x 12

Titan Industrial Deep TractionStd.

Monarch Mono-Cushion 900.....Q270-09 \$100 pr. 10

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

H70-120XM – 7.00 x 12

Monarch Soft Shoe Mono-Matic (red label) lug treadP.L.

Monarch Soft Shoe HP (white label) lug treadQ270-06 \$835. pr. 10

Monarch Soft Shoe E-Class (blue label) lug tread.....Q270-07 \$875. pr. 10

Monarch Soft Shoe Non-Marking lug tread.....Q270-08 \$970. 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

Traction speed limited to approximately 8.0 MPH when traveling in either forward or reverse. Proximity sensor monitors frequency of the differential gear teeth. When truck is traveling faster than 8.0 MPH, speed is limited by activating a sensor that controls the engine electronic governor. Full throttle is available provided the truck is traveling less than 8.0 MPH. Requires GM gasoline or LPG engine (with MSTs ignition) and powershift transmission on order.

VOIDS UL APPROVAL.....Q262-06 \$1,945. 10

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

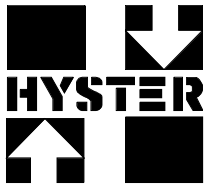
1900-RPM maximum.....Q262-10 \$390. 8

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EFFECTIVE: 04/15/02

CHALLENGER- 25

REPLACES: 02/13/02



**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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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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WARNING SYSTEM

BELL - WHEEL MOUNTED. Extends 3" beyond wheel. Sounds when truck is traveling in reverse.	Q222-08	\$360.	8
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EFFECTIVE: 04/15/02

CHALLENGER- 26

REPLACES: 02/13/02



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 1-quart piston type	Q001-02	\$1,050.	12
Parker 2-quart piston type	Q001-03	\$1,490.	12
Parker 4-quart piston type	Q001-05	\$1,900.	12
Hydra-Smooth 1-quart piston type	Q001-06	\$1,560.	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	\$825.	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 Outside	Control			
H135-155XL2							
Vista 2-Stage LFL78.0"	6"	21.0"	74.0"	Sim	Q089-85	\$7,345.	15
	78.0"	6"	21.0"	74.0"	Ind	Q089-86	\$7,345.
Vista 3-Stage FFL78.0"	6"	21.0"	74.0"	Sim	Q089-87	\$7,345.	15
	78.0"	6"	21.0"	74.0"	Ind	Q089-88	\$7,345.

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 Outside	Control			
H135-155XL2							
Vista 2-Stage LFL78.0"	6"	6.5	74.0"	Sim	Q260-35	\$10,810.	15
Vista 3-Stage FFL78.0"	6"	6.5"	74.0"	Sim	Q260-36	\$10,810.	15

BELLY PAN

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

Includes cutouts for access to drain plugs.	Q026-01	\$1,170.	12
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EFFECTIVE: 04/15/02

CHALLENGER- 27

REPLACES: 02/13/02



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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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 \$1,630. 14

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 \$8,150. 13

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	\$4,785.	12
78"	IV	 Q296-43	\$5,500.	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	\$4,785.	12
78"	IV	 Q467-30	\$5,500.	12

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

60" Width	 Q340-04	\$5,515.	12
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CARRIAGE-PIN TYPE, VISTA 3-STAGE FULL FREE LIFT MAST

60" Width	 Q477-14	\$5,515.	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 AIR FILTER

Precleaner mounted on overhead guard. Compatible with production Cab
VOIDS UL APPROVAL Q004-07 \$1,430. 14
Note: Precleaner tube will prevent the left side door from latching in open position.

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 \$500. 12

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: 04/15/02

CHALLENGER- 28

REPLACES: 02/13/02



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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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

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

EXHAUST SYSTEM

Counterweight rear exhaust – VOIDS UL APPROVAL

Requires gas engine option on order	Q068-07	\$1,530.	12
Requires LPG engine option on order	Q068-08	\$1,530.	12

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
10 lb. Dry Chemical	Q080-03	\$375.	4

FORK

See Introduction for Notes.

FORK-HOOK TYPE, PALLET STYLE

Unit	ITA Class	Section				
H135-155XL2 IV		60mm x 150mm (2.5" x 6")	48"	Q086-32	\$1,090. pr.	12
			54"	Q086-33	\$1,160. pr.	12
			60"	Q086-34	\$1,230. pr.	12
			72"	Q086-35	\$1,360. 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.

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EFFECTIVE: 04/15/02

CHALLENGER- 29

REPLACES: 02/13/02



**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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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	\$1,505. pr. 12
		54"	Q329-26	\$1,570. pr. 12

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	\$675.	10
Special 3-Stage FFL Mast only	Q373-12	\$790.	10

HOSE GROUP-4 FUNCTION

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

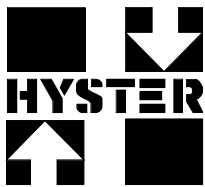
Special 2-Stage LFL Mast only	Q373-14	\$845.	10
Special 3-Stage FFL Mast only	Q373-15	\$1,070.	10

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: 04/15/02

CHALLENGER- 30

REPLACES: 02/13/02



**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 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	\$850.	10
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HYDRAULIC FITTING-QUICK DISCONNECT

Contact Applications Engineering.

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	\$170.	4
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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 witch actuated	Q401-01	\$270. 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	\$580.	12
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Amber.....	Q393-14	\$580.	12
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Mounted below overhead guard top.

Red.....	Q393-15	\$580.	12
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Amber.....	Q393-16	\$580.	12
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LIGHT-TURN SIGNAL

2 front and 2 rear turn signals. Available with headlight item Q401-01 and/or rear drive light item Q402-01.

Includes 2 stop/tail lights - VOIDS UL APPROVAL	Q404-02	\$950.	12
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2 rear turn signals. Available with rear drive light item Q402-01.

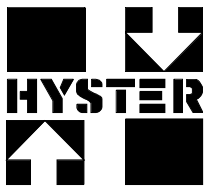
Includes 2 stop/tail lights - UL APPROVED	Q404-03	\$800.	12
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Prices, availability, and lead times are subject to change without notice. The pricing, availability, and lead time information contained in NOMS and HERO is the correct and current information. 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: 04/15/02

CHALLENGER- 31

REPLACES: 02/13/02



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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LOAD BACKREST EXTENSION

See Introduction for Notes.

Class IV Hook Type Carriages.

48" Wide x 48" Height.....	Q166-21	\$320.	10
54" Wide x 48" Height.....	Q166-25	\$360.	10
60" Wide x 48" Height.....	Q166-29	\$420.	10
78" Wide x 48" Height.....	Q166-37	\$450.	10

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	\$450. pr.	4
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Tilt Limit System – mast forward tilt restricted to zero degree at any lift height unless overridden by operator.

VOIDS UL APPROVAL	Q285-10	\$2,380	12
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MAST TILT - LIMITER

See Introduction for Notes.

MAST TILT- LIMITER BACK/FORWARD

Contact Applications Engineering.

MAST TILT SPEED

Contact Applications Engineering.

MIRROR

Price list cab options do not include this mirror.

Rearview mirror. NOT intended for reverse driving.	Q177-01	\$205.	8
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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	\$85 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.

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: 04/15/02

CHALLENGER- 32

REPLACES: 02/13/02



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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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

RAIN TOP

Plexiglas Rain Top mounted to top of overhead guard.....	Q238-01	\$565.	14
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Not compatible with Cab or Top Mounted Lights.

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	\$615.	12
FABRIC COVERED SEAT	Q398-07	\$615.	12

(Not recommended for outdoor applications without a cab.)

Full Suspension Swivel seat – Contact Applications Engineering.

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

Monarch Mono-matic Soft Shoe (White label) - 8.25 x 15Q072-02 \$3,845. set 10

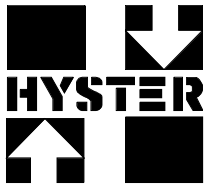
PNEUMATIC DUAL DRIVE AND STEER GROUP (set of 6) Includes wheels & spacers. Requires standard tire options on order.

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: 04/15/02

CHALLENGER- 33

REPLACES: 02/13/02



**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 *)
Michelin XZM Radial – 8.25R15.....	Q070-01	\$2,250. set	14

TRACTION SPEED LIMIT

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.

2300 RPM maximum.....	Q262-08	\$390.	12
2100 RPM maximum.....	Q262-09	\$390.	12
1900 RPM maximum.....	Q262-10	\$390.	12

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: 04/15/02

CHALLENGER- 34

REPLACES: 02/13/02



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

Axle-Heavy Duty Axle Ends-Wheel End Swap-H300-360HD Axle Ends on the H170-280 Axle.

Note: Suggested for Clamping Applications with Shuttle Operations.

For Dry Brakes (Requires 021-01 or 021-03 Dry Brakes).....	Q057-10	\$7,570	25
For Wet Brakes (Requires 021-02 Wet Brakes)	Q057-11	\$8,005	25

CAB ACCESSORY

Cab Accessory - Noise Reduction to 72dBa

Requires PL option 072-03 ComforCab II	Q305-01	\$1,575.	12
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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	\$915.	10
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HOSE GROUP – 4 FUNCTION

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

Use with Special 2 STG NFL Mast.....	Q374-30	\$1,175.	10
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HOSE GROUP – 5 FUNCTION

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

Use with Special 2 STG NFL Mast.....	Q375-30	\$1,335.	10
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HOOD

Hood Locks (EEC compliant)	Q098-02	\$300.	12
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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

See Introduction for Notes.

3-Stage Full Free-Lift (VISTA)..... Contact Applications Engineering

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	\$350. pr. 13
0°	20.5°	Forward Tilt	Q288-01	\$420. 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	\$85 net	8
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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: 04/15/02

CHALLENGER- 35

REPLACES: 10/01/01



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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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	\$4,635.	17
Chassis/counterweight/hood -replace yellow only.....	Q191-10	\$2,435.	17
Overhead Guard/Cab -replace black only(outside only)	Q191-05	\$710.	17
Wheels -replace standard color	Q191-12	\$355.	17
Mast/carriage/attachment -replace standard color	Q191-13	\$1,965.	17
Forks -replace standard color	Q191-06	\$190.	16

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: 04/15/02

CHALLENGER- 36

REPLACES: 10/01/01



**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 to 72dBa

Requires PL option 072-03 ComforCab II	Q305-01	\$1,575.	12
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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	\$915.	10
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HOSE GROUP – 4 FUNCTION

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

Use with Special 2 STG NFL Mast.....	Q374-30	\$1,175.	10
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HOSE GROUP – 5 FUNCTION

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

Use with Special 2 STG NFL Mast.....	Q375-30	\$1,335.	10
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HOOD

Hood Locks (EEC compliant)	Q098-02	\$300.	12
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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 Applications Engineering

MAST

See Introduction for Notes.

3-Stage Full Free-Lift (VISTA).....Contact Applications Engineering

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	\$350. pr. 12
0°	20.5°	Forward Tilt	Q288-01	\$420. pr. 12

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.

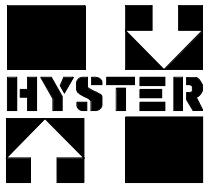
Metric Values with English Values Referenced	Q198-03	\$85 net	8
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Prices, availability, and lead times are subject to change without notice. The pricing, availability, and lead time information contained in NOMS and HERO is the correct and current information. 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: 04/15/02

CHALLENGER- 37

REPLACES: 10/01/01



**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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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	\$4,635.	17
Chassis/counterweight/hood -replace yellow only.....	Q191-10	\$2,435.	17
Overhead Guard/Cab -replace black only(outside only)	Q191-05	\$710.	17
Wheels -replace standard color	Q191-12	\$355.	17
Mast/carriage/attachment -replace standard color	Q191-13	\$1,965.	17
Forks -replace standard color	Q191-06	\$190.	16

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EFFECTIVE: 04/15/02

CHALLENGER- 38

REPLACES: 10/01/01