



PRODUCT INFORMATION BULLETIN

0606.03

June 6, 2003

TO: ALL HYSTER DEALER PRINCIPALS, SALES MANAGERS, & SALES REPRESENTATIVES

FROM: PETER SIESSEL – VICE PRESIDENT, HYSTER MARKETING

SUBJ: J30-40XMT2 TIRE OPTIONS (H160)

As defined by the “J” prefix, the J30-40XMT2 is designed to be a pneumatic tire counterbalanced electric rider. However, Hyster Company offers cushion, pneumatic and solid pneumatic tires to allow customizing the truck to a specific job and application. Improper tire selection can contribute to reduced truck and battery performance, as well as loss of tire efficiency and premature failure. With this in mind the following information was developed to assist you in making the proper tire selection.

PROPER APPLICATION:

Cushion tires are often the choice indoor where floors are smooth, while pneumatics are preferred for outside, where floatation and traction is needed for soft-ground or unimproved and uneven surfaces. Historically, the majority of the Hyster three wheel SitDrive® electric sales have been into indoor applications. Therefore, cushion tires are listed as the standard tire for the J30-40XMT2 to provide maximum performance, capacity retention and battery shift life in these applications.

Choice of the correct tire for an application depends on a number of factors, including:

1. Expected maximum tire loads/capacity requirements

- a) Cushion tires provide the best capacity retention, solid pneumatics are next and pneumatics the least.

2. Operator Ride

- a) Pneumatic tires - Provide the best ride on unimproved or poor surfaces (not desired for smooth floors) High speed runs with no load can lead to a bouncy ride
- b) Cushion tires – Smooth floor, indoor applications only
- c) Solid Pneumatics – Multi use, can be used indoor/outdoor depending on load being handled. Also provides a larger footprint than that of cushion tires. (Better floor contact and traction)

3. Mast type and overall height

- a) Capacity retention - See High Lift Sheets

4. Type or kind of load usually carried

- a) Indoor, poor to fair floor surface conditions – Example: Fragile loads like Egg or Glassware handling – Pneumatic tires may be considered because they provide less load shock than solid tires
- b) Indoor, optimal smooth floor surface – Same load example as above – Cushion Tires

5. Traction required

- a) Pneumatic tires provide the best outdoor traction on unimproved surfaces
- b) Solid pneumatic tires are always a consideration if flats become a problem, but "soft ground" traction will be reduced.
- c) Cushion tires - With optimal floor conditions the smooth tread cushion provides the best traction

6. Floor conditions

- a) Pneumatic / Solid Pneumatic tires will perform better than cushion tires if the floors are "old wood" or deteriorated concrete.
- b) Cushion tires – See example 5c)

7. Battery shift life expectations

- a) Cushion tires provide the least rolling resistance and best battery shift life.
- b) Solid pneumatic tires - middle
- c) Pneumatic tires have the most resistance

SUMMARY

Because tires are so important to the safe and efficient operation of the truck, their initial selection is very important because changing the type of tire in the field is limited. In any case it is advisable to contact the factory to obtain confirmation that any contemplated tire changes do not compromise safety, durability, or efficient operation of the truck.

So which type should you quote on this series? Although individual preference usually has an influence on whether solid or pneumatic tires should be used, the decision should also be based on such factors as operator comfort, need for puncture protection, material being handled, and working atmosphere.

The following lists the tire options available in the standard price book for this series.

Option 063-01 Drive & Twin Steer Tires (J30-35-40XMT2)

18x7x12.1 Cushion, 15x4x11.25 Cushion Steer

Option 063-02 Drive & Twin Steer Tires (J30-35XMT2 Only)

18x7-8 16PR Pneumatic Drive, 15x4.5 –8 Pneumatic Steer

Option 063-03 Drive & Twin Steer Tires (J30-35XMT2 Only)

18x7-8 Solid Pneumatic Drive, 15x4.5-8 Solid Pneumatic Steer

Option 063-04 Drive & Twin Steer Tires (J40XMT2 Only)

200/50-10 Solid Pneumatic Drive, 15x4.5-8 Solid Pneumatic Steer

These examples will allow you to show customers exactly how Hyster products stand out from other manufacturers, whose salespeople are unaware of or cannot explain the benefits of quoting the correct tires to meet the customer application requirements.

As always, we appreciate the support of our distribution network and the sales organization.

Sincere Regards,



Peter M. Siessel
Vice President of Marketing – Hyster Company