



PRODUCT INFORMATION BULLETIN



PIB # 1217.04

December 17, 2004

Series Impact: B218, C215, A231, A229, A234, A230, A233, A478, A479, A476, A477,
A495, B453, B454, B455

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

FROM: DALE GRINDER – INSIDE SALES MANAGER

SUBJ: CLASS III ENVIRONMENTAL MODIFICATIONS

This bulletin was re-developed to provide you with an update that includes the new C60/80Z and T5/7Z products that were introduced after the original bulletin # 0527.03, dated May 27, 2003 was distributed.

There are as many different types of applications for industrial forklifts as there are types of trucks. Improper selection for units working in cold, moist and wet conditions can contribute to lost time and efficiency, reduction in truck performance, and potential premature failures. Hyster Company can specially equip most walkie/rider models with environmental modifications to resist the effects of cold, corrosive and food processing environments.

With this in mind, the information provided below should be used as a guide to assist you in making the proper environmental package selection to meet your customer needs. You can also use this information as a sales tool to sell solutions and value for the environmental offerings provided by Hyster Company.

STANDARD CONSTRUCTION:

The standard truck is designed for use in applications with clean, dry warehouse floor conditions, or for cold rooms and refrigerated areas down to +30°F. Typical applications might include durable goods, non-perishable foods, produce, or refrigerated perishable foods.

COLD STORAGE / FREEZER:

The Cold Storage / Freezer modification is available on the following models. W40Z, W45Z, W60Z, W65Z, W80Z, B60Z, B80Z, C60-80Z, W30-40ZA, W25-30-40ZC, W20-30ZR and T5/7Z. Consult your price book for option pricing and application details.

A cold storage and freezer modification is available on all Motorized Hand Products. Depending on the model, the modification is slightly different. Generally, the Cold/Freezer option includes special low-temperature hydraulic fluid, a potted PCB board in the handle, and dielectric grease to seal the wiring connections.

The Cold Storage/Freezer modification is designed for applications with temperatures as low as 0°F (-15°F on some models) and where moisture is present from condensation. This modification protects the truck from corrosion and allows it to function in colder temperatures. This modification is intended for applications involving cold rooms or freezers where both cold temperatures and damp floor conditions are present; typical examples might include frozen foods, meats, seafood, or dairy products. Use of a siped polyurethane or rubber drive tire is generally recommended.

CORROSION / FOOD PROCESSING / SEVERE FREEZER:

The Corrosion / Food Processing / Severe Freezer Modification is available on the W65Z, W80Z, B80Z, C80Z and T7Z.

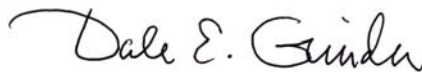
The Corrosion / Food Processing / Severe Freezer Modification is available for trucks that operate in food processing or food manufacturing applications that are subject to brine, wet floors, and intermittent temperatures down to -40°F. **This package is required when you have environmental exposure to acids, bleaches, and corrosives other than moisture condensation.** Typically, the Food processing option includes covers for the drive and hydraulic motors, an enclosure for the electrical control panel, grommets on the wiring entering the enclosure, a potted PCB board in the control handle, and dielectric grease from the cold storage option. The covers and enclosure provides necessary protection for the components in applications where the trucks are subject to wash downs or excessive moisture. Typical applications would include poultry, meat, or seafood processing, pickling, and tannery operations. A siped polyurethane or rubber drive tire is strongly recommended.

Hyster Company will honor your warranty coverage for trucks impacted by environmental concerns, provided the correct package is ordered for your customer's application. However, if it is determined that the truck was incorrectly ordered, Hyster Company reserves the right to deny warranty claims related to environmental concerns.

The charts found on the following pages details the temperature ranges for models equipped with **Standard Construction, Cold Storage/Freezer** and **Corrosion/Food Processing/Severe Freezer Modifications** for the Class III product.

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

Sincere Regards,



Dale E. Grinder
Inside Sales Manager – Hyster Company

CONFIDENTIAL MATERIAL.

**For use by Hyster Company Employees and Hyster Authorized Dealers Only.
Do not copy or distribute.**

The information contained in this bulletin is for information purposes only, Hyster Company reserves the right to change the design of our products without incurring an obligation to modify previously manufactured products.

Environmental Parameters – Option Packages

Models: W20/25ZA

Environmental Attribute Ambient Environment - Seasonal Indoor/Controlled Environment Temperature Range	Temperature			Corrosives
	Select package for lowest temp range			Food Processing Meat Packing Corrosives
	Cooler	Freezer		
	+50F to +30F	+30F to +0F	+0F to -40F	
Continuous Use	Standard	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Out of freezer only for battery changes and driver breaks	Standard	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Frequent movement between environment zones / areas	Standard	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Operated mostly out of freezer use in freezer limited to 5 minutes per 30 minutes	Standard	Standard	Not Recommended Or Warrantable	Not Recommended Or Warrantable

Models: W40Z, W45Z

Environmental Attribute Ambient Environment - Seasonal Indoor/Controlled Environment Temperature Range	Temperature				Corrosives
	Cooler	Select package for lowest temp range			Food Processing Meat Packing Corrosives
		Freezer			
	+50F to +30F	+30F to +0F	+0F to -15F	-15F to -40F	
Continuous Use	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Out of freezer only for battery changes and driver breaks	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Frequent movement between environment zones / areas	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Operated mostly out of freezer use in freezer limited to 5 minutes per 30 minutes	Standard	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable

Models:**W60Z, B60Z, W30/40ZA, W20/30ZR, W25-40ZC, C60Z, T5Z**

Environmental Attribute Ambient Environment - Seasonal Indoor/Controlled Environment Temperature Range	Temperature			Corrosives
	Select package for lowest temp range			Food Processing Meat Packing Corrosives
	Cooler	Freezer		
	+50F to +30F	+30F to -15F	-15F to -40F	
Continuous Use	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Out of freezer only for battery changes and driver breaks	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Frequent movement between environment zones / areas	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable	Not Recommended Or Warrantable
Intermittent Use Operated mostly out of freezer use in freezer limited to 5 minutes per 30 minutes	Standard	Standard	Cold Storage / Freezer	Not Recommended Or Warrantable

Models:**W65Z, W80Z, B80Z, C80Z, T7Z**

Environmental Attribute Ambient Environment - Seasonal Indoor/Controlled Environment Temperature Range	Temperature			Corrosives
	Select package for lowest temp range			Food Processing Meat Packing Corrosives
	Cooler	Freezer		
	+50F to +30F	+30F to -15F	-15F to -40F	
Continuous Use	Standard	Cold Storage / Freezer	Severe Freezer/ Food Processing/ Corrosion	Severe Freezer/ Food Processing/ Corrosion
Intermittent Use Out of freezer only for battery changes and driver breaks	Standard	Cold Storage / Freezer	Severe Freezer/ Food Processing/ Corrosion	Severe Freezer/ Food Processing/ Corrosion
Intermittent Use Frequent movement between environment zones / areas	Standard	Cold Storage / Freezer	Severe Freezer/ Food Processing/ Corrosion	Severe Freezer/ Food Processing/ Corrosion
Intermittent Use Operated mostly out of freezer use in freezer limited to 5 minutes per 30 minutes	Standard	Standard	Cold Storage / Freezer	Severe Freezer/ Food Processing/ Corrosion