

# ZAMBONI® NEWSLETTER



## THE NEW ZAMBONI MODEL HDC . . . A RINKSIDE VIEW



Model HDC At Inzell

Speed skating on 400-meter tracks . . . hockey rinks adjacent to them . . . and even motorcycle racing, a new sport on ice.

These are part of the swiftly-changing picture of the ice rink world, and testimony to the ever-increasing demand for greater and speedier sports on the entertaining world of ice.

One immediate result has been the introduction of the Zamboni® Model HDC Ice Resurfacer, an unusual machine specially built to accommodate large ice surfaces such as speed skating ovals. Two of the bigger new Zamboni® models are in operation, and ten more

are in various stages of production at our California plant to answer the needs of large rinks this season.

The first Zamboni® Model HDC is shown in the upper left photograph as it was taking a leading part with appropriate decorations in an unusual parade. It was the welcome at Inzell, Germany, speed skating center of Europe, for the Olympic Speed Skating Team's training sessions there before going on to compete in the 1972 Winter Olympics at Sapporo, Japan.

At the Zamboni® plant, we are understandably proud of the Model HDC because it is performing its immense tasks without lost time on rink or track. The following table of comparative factors shows the essential differences between the popular, standard Model HDB and the Model HDC.

	HDB	HDC
Snow Tank Capacity	100 cu. ft.	130 cu. ft.
Ice-Making Water Tank	195 gal.	413 gal.
Wash Water Tank	72 gal.	100 gal.
Blade Width	77 in.	98 in.
Speed	11 mph.	14 mph.
Turning Radius	20 ft.	22 ft.

Both Zamboni® models are equipped with similar reliable drive systems, but the Model HDC has been engineered with a larger engine and hydrostatic transmission.

We'd like to tell you about some of the operating experience of the Model HDC at the two European rinks which have been first to use them.

At Inzell, Germany — This stadium-size attraction features a 400-meter speed track, together with a regulation-size hockey rink inside the oval.

With the bigger Zamboni® machine in operation, the average resurfacing time was 11½ minutes — more than eight minutes less than when using the Model HDB for the same job. Depending upon the condition of the ice, as many as three loads of snow were removed.



Model HDB on the left, Model HDC on the right

(Continued on page 4)



**A  
NOTE  
FROM  
FRANK**

It was certainly a pleasure to attend the 1972 Convention of the Ice Skating Institute of America in Las Vegas last May. It gave me the opportunity to renew acquaintance with many friends of long standing, and to meet many new ones. One startling fact apparent to anyone who has attended previous ISIA meetings was the phenomenal growth of this organization.

After all, it was only a few years ago that a handful of ice rink operators began the Institute as a way of bringing together rink owners and operators in an organization devoted to the solution of mutual problems — the end purpose, of course, being the promotion of ice skating as a sport, and working together to make it grow.

It is of particular satisfaction to me to have been a part of the original group and to see many of the goals of the founders become a reality.

The day-long Trade Show of the ISIA Convention was one of the most impressive highlights at Las Vegas, and not the least impressive was the number of visitors to the Show. I understand that nearly 400 people visited the exhibits, and the present membership of the Institute has grown to a total of more than 420. This growth certainly speaks well of the organization, since it indicates the merit and the guidance which is to have been associated with it during the period of growth.

Best regards,

**TOWARD BETTER  
AIR QUALITY IN THE RINK**

We strongly recommend that you consider installing Catalytic Air Purifiers in the exhaust system of your Zamboni® Ice Resurfacers. These devices are highly effective in reducing carbon monoxide and hydrocarbon emissions from the engine exhaust, delivering clean and safe emissions, which consist of harmless water vapor and carbon dioxide that leaves a "sweet" odor.

We have the air purifiers in kit form that includes all necessary piping and brackets for a simple, fast, field installation on all Zamboni® machines currently in operation. As ordered, we will factory-install Catalytic Air Purifiers on new Zambonis® in production. All owners of Zamboni® machines were mailed a detailed explanation of the air purifiers, together with price information. If you did not receive the information, please let us know and we will respond promptly.

We have conducted exacting tests of these devices, and preliminary reports from users at many rinks indicate satisfaction with the excellent results, particularly when carbon monoxide levels have been reduced well below existing standards and requirements.

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**RINK-ING IDEAS**

*All kinds of fresh and catchy ideas blossom when you're involved in the enjoyment of skating. We have some. You have many. We'll print yours here in the Newsletter if you'll tell us about them — dedicated to the mutual benefit of all rink operators. Just drop us a postcard, please!*

If beer cans and glassware have a secondary use, what about recycling our byproduct — snow? Here's an idea that won't cost a cent! Instead of dumping your Zamboni® machine loads out in back, try this on for style:

Place a series of snow piles out in front of your rink . . . and invite kids, families, schools, and anyone to create Snowmen (and Snowgirls) right at the entrance-way. (Snow fights must be discouraged.)

Take it a step further, if you wish, and provide prizes or other ways of making the free snow sculpture a Happening! A sure winner of good will! (But such activity should be supervised.) You'll get fine publicity from your local newspaper, always on the lookout for happy kids at play. We at Zamboni® would enjoy putting some of the pictures in the Newsletter, too. How's that for a recycling?

All rink operators north of Chillicothe, Ohio may be forced to disregard this article due to prevailing climatic conditions.

## 1972 IMPROVEMENTS

Operators and maintenance men will find several new features of the '72 Zamboni® Model HDB which we have changed and added to provide for more functional use generally. Larger custom axles of higher capacities are being provided in a move by us to assure even more life-cycle durability for the dumper units. We are now using Dana 44 front and 60 rear axles. Another change, which is of primary interest to maintenance men, provides for easy accessibility of the filters on the hydrostatic and hydraulic systems. The hydrostatic filters are externally-mounted and are of the throwaway type. The hydraulic filter is easily cleanable in much the same way as on previous Zamboni® models. Either filter can be serviced without removing the oil.



1972 Model HDB

The 1972 Model HDB features an operator's seat that is a little larger and can be adjusted toward the front or rear.

Additional changes include several items of fiberglass construction. We are providing these components because of their resistance to rust and corrosion, and also because using them gives us more latitude in design. Summing up the '72 production Model HDB, we believe these changes will help reduce maintenance time or problems and will add to the life of the Zamboni® machine. This is especially important for rinks where resurfacing requirements are increasing due to the growing demand for more ice time.

**CAN YOU TOP THIS?** . . . We're told that Jerry Damschroeder of the Las Vegas Ice Palace may hold a record among ice rinks. In removing his ice completely at the end of last season, some 56 loads of snow were taken off the surface from 11:30 p.m. to 7:15 a.m. This is roughly equivalent in volume to 5,600 cu. ft., or about 23 large dump truck loads.

Quite a load, quite a record.

Any others around the country?

## SERVICE CORNER

If oil and water don't mix, it's worse with oil on ice. To help you avoid spilling oil when changing a leaky hose or working on a damaged hydraulic component, you might try a method we use in



our shop: Simply take a large plastic bag, tape it strategically around and beneath the component being worked on, and the oil will be caught in the bag.

By using a clean plastic bag, it's possible to re-use the oil. All you should do is pour it through a paint strainer.

Anyone with home-grown ideas on resurfacer maintenance? We'd appreciate your sharing them with us, and all other rink men.

## PARTS AND SERVICE REPRESENTATIVES

We have established the following centers for parts and service across the country. The centers, with a stock of parts for all Zamboni® machines and competent servicemen, are:

Weston Automotive, Inc.  
Mr. Vic Yerardi  
584 Boston Post Rd.  
Weston, Mass. 02193  
Phone (617) 899-0799

Hydraulic Specialty Co.  
Mr. Richard Haarstad  
410 First Avenue Northeast  
Minneapolis, Minn. 55413  
Phone (612) 338-7641

C. R. Mueller & Sons, Inc.  
Mr. Bob Mueller  
1440 Franklin Street  
Detroit, Michigan 48207  
Phone (313) 962-3327

## HELP!

A number of ice rink operators are looking for a temporary helping hand. They need a resurfacer on a loan or lease basis, while awaiting delivery of their new Zamboni®. We know of many rinks that had not anticipated the long delivery schedule for their Zambonis®, or did not order their Zamboni® in time to receive it for their opening.

If you think you can help out in this situation, please drop us a line and we will get you together with people who need your H-E-L-P.

## NEW ZAMBONI MODEL HDC (Continued)

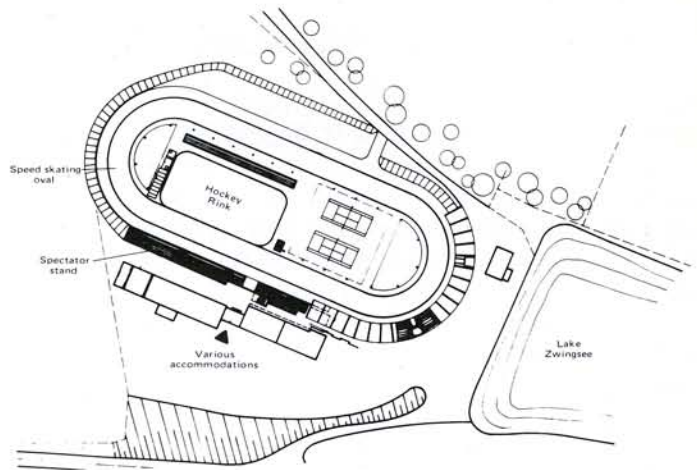


Motorcycle racing has become popular on European skating ovals.

At Assen, Holland — This huge rink set-up has the same general features as the one at Inzell, with both a 400 meter speed skating track and a full-size hockey rink inside the oval. The rink also can boast a covered spectator stand.

It is here that motorcycle racing, called Speedway Races, has been developing into a new and exciting competition with the motorcycles racing against each other on big spiked wheels that grip the ice. Necessarily, ice thickness for this kind of racing requires an increase from 2 inches to 6 inches. After a race, the Zamboni® machine really must turn out a massive job, not only to help reduce the ice surface to its original 2 inches of thickness but also to condition it and bring it up to skating standards of unvarying smoothness. Motorcycle racing as a sport has become so popular that without the Zamboni® Ice Resurfacer, it would not be possible to keep up with the various ice conditions required in so little time on so large an installation, without sacrificing the readiness of top quality ice to satisfy skaters' demands.

According to the authoritative magazine, Sports Facilities and Swimming Pools, Official organ of the International Working group for Construction of Sports Facilities, which kindly furnished us with the drawing of the layout at Inzell, together with information provided by the Inzell architects, Planungsburo Deyle, of Stuttgart, Germany, the German Federal Government decided in 1965 to enlarge the natural ice rink that was existent in the Bavarian city.



Sketch of major facilities at ice rink in Inzell, Germany

The construction called for was to provide ice skating in winter and roller skating in summer. Water for the refrigeration plant serving both the 400-meter oval track and the 30 by 60 meter hockey rink is drawn from the adjacent Lake Zwingsee, and the spectator stand on the Southwest side of the facility provides protection from high westerly winds. Within the great installation are an indoor swimming pool, sauna baths, conditioning rooms, massage and therapy rooms, a restaurant, restrooms, sportsmens' accommodations, and other facilities for handling large numbers of people both on and off the ice.

In summing up the ice situation in Europe, the good skating results at Sapporo, as well as the rapidly-increasing popularity of speed skating, has triggered widespread interest in ice sports throughout the European Continent. Several cities reportedly are planning to construct artificial speed skating tracks for use this season.

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