

C B Series and Automatic Rakes

THE FLEXIBILITY OF PROVEN EQUIPMENT

Turbo has been manufacturing these kinds of products since 1967, applying ice-making technology and solving ice handling problems for all these years. The products demonstrated here incorporate functionally interrelated features, designed to deliver extended, dependable performance with minimum maintenance. Flexibility built-in to store and discharge any kind of ice, too. Flake, tube, plate, or shell.

You'll find that Turbo creative engineering has developed several unique features that sets apart these products from all the rest in the industry. Application-proven products like these have been working successfully for years in the most stringent field conditions that ice professionals will ever find.

Here, also, is industry's most complete choice of service-oriented equipment. Equipment with exclusive features that confirm Turbo leadership in providing unrivaled product excellence.

Check out these features for yourself, and see how Turbo's CB-Rake and Automatic Rake series can give you unmatched performance reliability.



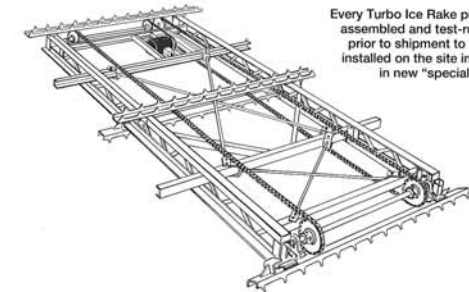
ICE RAKE CONTROL PANEL



The heart of the system. Specifically designed and UL approved for each user's individual application. Controls all of the rake components. Factory-tested to assure trouble-free start-ups and continued operation.

EXCLUSIVE LOAD DETECTOR

Turbo's anticipated many users' problems. A special load detector device signals the rake assembly to back off, to take a smaller bite, if the stored ice product is hard or frozen. Commands the rake to take a lighter load. Result—less strain on the working equipment. Less wear, less chance of breakdown, and more important, less chance to bury the rake.



Every Turbo Ice Rake product is completely assembled and test-run at the home plant prior to shipment to the customer. Easily installed on the site in existing facilities or in new "special purpose" buildings.

THE IMPORTANCE OF COMPONENT COATINGS

Another innovative concept. Ice and water can rust equipment, a known fact to everyone in this business. Turbo protects the vital components. To minimize rust and corrosion, all chains, sprockets and other steel components are electro-

coated or hot-dip galvanized to produce a minimum-maintenance finished product. Storage bin siding is aluminum to keep the product clean and pure. The option of stainless steel also can be specified.

A VARIETY OF APPLICATIONS

The built-in flexibility of these products makes this equipment an efficient answer to ice storage for many practical applications.

- PACKAGED ICE
- INDUSTRIAL MARKETS (Chemical Processing, Seafood and Poultry Processing)
- AGRICULTURAL ICING (Produce)
- CONSTRUCTION (Concrete Icing)

All Turbo ice storage products are USDA approved (installation onsite inspection may be required). Built to meet most industrial standards. Ice loading and unloading is safe and simple. Regardless of size, every Turbo ice rake operates in basically the same, simple manner. Whatever the job, Turbo can match ice storage and delivery to demand.

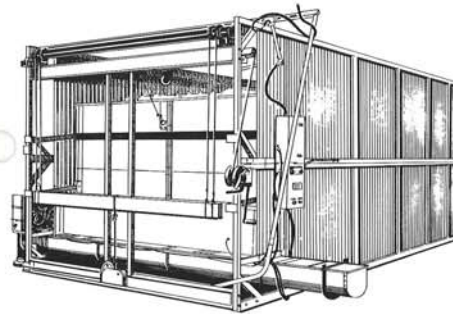
Matching Ice Storage and Delivery to Demand

HYDRAULIC "CB" SERIES ICE RAKES

Model	Capacity † (U.S. Tons of Ice)	Dimensions (L x W x H)
CB-20	20	22' 9" x 10' 6" x 9' 0"
CB-30	30	22' 9" x 10' 6" x 11' 10"
CB-38	38	22' 9" x 10' 6" x 13' 6"
CB-50	50	22' 9" x 10' 6" x 16' 4"
CB-31	31	27' 9" x 13' 0" x 9' 0"
CB-49	49	27' 9" x 13' 0" x 11' 10"
CB-59	59	27' 9" x 13' 0" x 13' 6"
CB-75	75	27' 9" x 13' 0" x 16' 4"

† Capacities based on ice weight of 40 lbs./cu.ft.

Also included are Rake Assembly with Motor, Drive and Hydraulic Hoist Assembly, Bin Liner, Bin Support, and Manual Bin Door. Electric Control Panel is included with Starters for all motors supplied. Includes starter for floor screw (by others). No Screw Conveyors included. Rake mechanicals assembled at factory and knocked down for shipment.



GETTING THE MOST OUT OF YOUR STORAGE

Bottom ice (blue ice) left for some time will compact and solidify. This puts a great demand on the rake assembly to get this ice out. Turbo's rake is better equipped to do this.

This is accomplished by furnishing a much more sturdy rake assembly to handle blue ice efficiently. Turbo's heavier-duty rake can dig deeper into older, more compact ice. Our engineers with their combined experience came up with the answer. Just build a more rugged rake than the competition. Much heavier steel and components do the job.

AUTOMATIC ICE RAKES

Bin Sizes	Weight (Lbs.)	Capacity †
15' x 30'	7,500	9.0 tons/ft. x Ice Height *
20' x 35'	9,000	14.0 tons/ft. x Ice Height *
15' x 35'	8,250	10.5 tons/ft. x Ice Height *
20' x 40'	9,750	16.0 tons/ft. x Ice Height *
20' x 45'	10,150	18.0 tons/ft. x Ice Height *
20' x 50'	10,900	20.0 tons/ft. x Ice Height *
20' x 55'	11,300	22.0 tons/ft. x Ice Height *

* Add 5' 3" to Ice Height to obtain overall height. Available in 1 foot increments beginning with 8' up to 18' of Ice Height.

† Capacities based on ice weight of 40 lbs./cu.ft.

Included are Rake Assembly with Motor, Drive and Hoist Assembly, Manual Bin Door and Rake Guides. Electric Control Panel is included with Starters for all motors supplied. Includes starter for floor screw (by others). Bin Support, Bin Liner Supports, Screw Conveyors and Retainer Walls not included.

RAKE OPTIONS

- POWER AUTOMATIC DOOR
- LOAD DETECTOR
- PROGRAMMABLE CONTROLLER
- STAINLESS STEEL COMPONENTS
 - SHAFTS
 - CHAINS
 - SPROCKETS
 - GIRDER LINERS AND FLIGHTS
 - BIN LINER (CB RAKES)
- PLASTIC CHAIN & SPROCKETS (CB Rakes Only)
- FRONT MOUNTED HYDRAULICS (CB Rakes Only)

LESS DOWNTIME

This is the real user benefit. A more ruggedly constructed product that's more corrosion and rust resistant will always result in a product operating with less wear, less chance of breakdown. And that's what users need. Turbo's flexibility of design with the many options matches ice storing and delivery to demand, matches the product to the working conditions. As the respected leader in this business, experience has taught us what users need and want. Hundreds of applications in almost all types of storage/handling locations have helped us to anticipate any problems that can occur, BEFORE any product is installed.