Tyre Carousel

Introduction

The Dexion motorised Tyre Carousel is the ultimate solution for storing and merchandising tyres for a wide range of vehicles, including; cars, trucks, buses, RVs and aircraft. The Tyre Carousel can reduce your storage footprint and maximise your valuable floor space, by utilising the wasted vertical storage space in your facility. Carousels also employ the "Goods-to-Person" storage principle, which eliminates travel time and greatly reduces manual handling, by delivering stored products directly to the operator at an ergonomic working height. The Tyre Carousel not only manages and displays your inventory, but also provides a safe and efficient way of handling an often cumbersome and heavy product. Stock rotation and selection are a breeze with theTyre Carousel, allowing your staff and customers to compare and select products at the push of a button.

Features

- Standard Tyre Carousel models can support from 5 to 15 tyre carriers (storage levels), providing storage for up to 352 tyres in a single carousel (depending on tyre dimensions and available storage height)

- Standard model carousels are designed to accomodate a wide range of tyres, with outer diameters up to 813mm

- Heavy duty models are also available for larger tyres with outer diameters up to 1,118mm

- Maximum storage load per carrier: 450kg (standard) 900kg (heavy duty)

- Maximum total storage load per carousel: 5,900kg (standard) 8100kg (heavy duty)

- Carousel configuration can be customised to cater for your specific inventory dimensions and storage requirements

- Maximised storage capacity in a small footprint

- Quality engineering and heavy duty construction

- Simple stocking / loading process

- Fast retrieval of stored products

- Improved inventory management and picking accuracy

- Single person operation allows increased efficiency and reduced labour costs

- Ergonomically designed to reduce manual handling and lifting related injuries

- User friendly push-button machine controls, including emergency stop

- Electronic security keypad to prevent unauthorised use

- Ideal for a range of applications, including: retail sales, bulk storage, industrial servicing and maintenance, commercial fleet management, etc.

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DEXION®

Options & Accessories

- Multi-tower configuration – increases carousel storage capacity by adding additional / linked storage towers to the original unit
- Dual controls – additional control panel to allow carousel to be operated from both sides
- Custom paint colours – carousels can be supplied in your choice of colour (RAL colour range)
- Advanced automation package – optional PLC / PC, software, smart machine controls and user interface accessories to provide fully automated product retrieval
- Inventory control systems – optional software packages and interface accessories to provide a wide range of inventory management functions and system integration capability
- Variable speed control – allows operator to increase or reduce rotation / retrieval speed of carousel, within limits. (Note: Included as standard on heavy duty Tyre Carousels)
- Full enclosure – carousel can be fully enclosed to provide improved security and protection of stored inventory

- Rear loading configuration – modified machine assembly to allow carousel to be loaded from the rear
- Loading nose – operating station can be modified to a bullnose configuration to allow the overhead loading and retrieval of products
- POS display panel – optional display fixture with built-in spotlight for product signage and merchandising
- Loading ramp – a mobile ramp that enables tyres to be rolled in and out of the carousel, thereby eliminating manual lifting
- Horizontal security gate – a folding, lockable steel gate that secures the operator opening and prevents access to stored inventory
- Carrier inserts – carriers can be fitted with inserts to allow the storage of smaller tyres that are below the standard minimum diameter
- Tyre dividers – adjustable vertical brackets designed to keep tyres organised and upright within the carrier
  (Note: Each carousel is supplied with 2 x dividers per carrier, as standard)

Technical specifications

711mm maximum tyre diameter

Model Number	Height (mm)	Width (mm)	Depth (mm)	Carrier qty	Tyre qty*
T39148-0740-12	4013	4496	2108	7	147
T39188-0940-12	5029	4496	2108	9	189
T39228-1140-12	6045	4496	2108	11	231
T39268-1340-12	7061	4496	2210	13	273
T39308-1540-12	8077	4496	2210	15	315
T39148-0740-15	4013	5410	2108	7	189
T39188-0940-15	5029	5410	2108	9	243
T39228-1140-15	6045	5410	2108	11	297
T39148-0740-18	4013	6325	2108	7	224
T39188-0940-18	5029	6325	2108	9	288
T39228-1140-18	6045	6325	2108	11	352

*Tyre quantity based on 178mm wide tyres.

813mm maximum tyre diameter

Model Number	Height (mm)	Width (mm)	Depth (mm)	Carrier qty	Tyre qty△
T45156-0744-12	4318	4496	2362	7	119
T45200-0944-12	5436	4496	2362	9	153
T45244-1144-12	6553	4496	2362	11	187
T45156-0744-15	4318	5410	2362	7	147
T45200-0944-15	5436	5410	2362	9	189

△Tyre quantity based on 229mm wide tyres.

1118mm maximum tyre diameter

Model Number	Height (mm)	Width (mm)	Depth (mm)	Carrier Qty	Tyre Qty†
HT54162-0563-12	4623	4547	2845	5	65
HT54193-0663-12	5360	4547	2845	6	78
HT54225-0763-12	6172	4547	2845	7	91
HT54256-0863-12	6960	4547	2845	8	104
HT54288-0963-12	7773	4547	2845	9	117
HT54319-1063-12	8560	4547	2845	10	130

†Tyre quantity based on 279 mm wide tyres.