



Vidir Tire Carousel

Recovers up to 70% of the floor space required
by more traditional racking systems



For more information scan the QR code



Safe Handling • Easy Access • Maximum Storage • Fast Retrieval • Small Footprint

Toll Free: 800.210.0141 www.storevertical.com

Tire Carousel Introduction

All vertical carousels, regardless of the application, follow these three general principles. They save space, increase employee health and safety, and increase operator efficiency.

The Tire Carousel is used for high density storage and retrieval of tires in locations where space is at a premium. Application examples include automobile dealerships, mass transit, aviation, and test facilities.

Tire Carousels allow facilities to maintain a large selection of tires onsite in a reduced footprint. Additionally, the benefits of implementing the product to operator principle are compounded for tires due to the heavy weights and bulky sizes that inhibit more traditional forms of handling.



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Selling Features

- Up to 352 tires can be stored on a single carousel
- HD carousels available to handle tires up to 44" diameter
- Various sizes of tires, under the maximum range, can be stored on a single carrier
- Vertical Storage utilizes otherwise wasted overhead space
- Implements product to person principle which reduces retrieval times
- Minimizes physical requirements for handling heavy product
- Increases safety by implementing ergonomic storage and retrieval principles
- Organizes your inventory by centralizing it in one location
- Receive access to manufacturers service center with over 30 years of industry experience.

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Basic Carousel Package

- Semi-Automated Controls w/ Keypad
- Electrical: 208V, 15 Amp, 60Hz, 3 Phase
- 21' per minute retrieval speed
- Load per Carrier
 - T39, T45: 1,000 lbs.
 - HT54: 2,000 lbs.
- Maximum Unit Imbalance
 - T39, T45: 1,800 lbs.
 - HT54: 2,500 lbs.
- 2 x Tire Dividers per carrier
- 2" mesh guarding front and back
- cCSAus mark
- Color: White with Grey Interior
- 1 Year Manufacturers Warranty



“Vertical Storage allows you to utilize your wasted overhead space.”

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T39 Carousel Specifications

*Tire Quantity based on 7" wide tires

Model	Height	Width	Depth	Carriers	Carrier Width	Max Tire Diameter	Tire Quantity	Carrier Capacity	Live Load
T39148-0740-12	13' 2"	14' 9"	6' 11"	07	12' 6"	28"	147	1,000 lbs.	11,999 lbs.
T39188-0940-12	16' 6"	14' 9"	6' 11"	09	12' 6"	28"	189	1,000 lbs.	11,713 lbs.
T39228-1140-12	19' 10"	14' 9"	6' 11"	11	12' 6"	28"	231	1,000 lbs.	11,427 lbs.
T39268-1340-12	23' 2"	14' 9"	7' 3"	13	12' 6"	28"	273	1,000 lbs.	11,141 lbs.
T39308-1540-12	26' 6"	14' 9"	7' 3"	15	12' 6"	28"	315	1,000 lbs.	10,855 lbs.
T39148-0740-15	13' 2"	17' 9"	6' 11"	07	15' 6"	28"	189	1,000 lbs.	11,859 lbs.
T39188-0940-15	16' 6"	17' 9"	6' 11"	09	15' 6"	28"	243	1,000 lbs.	11,533 lbs.
T39228-1140-15	19' 10"	17' 9"	6' 11"	11	15' 6"	28"	297	1,000 lbs.	11,207 lbs.
T39148-0740-18	13' 2"	20' 9"	6' 11"	07	18' 6"	28"	224	1,000 lbs.	11,712 lbs.
T39188-0940-18	16' 6"	20' 9"	6' 11"	09	18' 6"	28"	288	1,000 lbs.	11,344 lbs.
T39228-1140-18	19' 10"	20' 9"	6' 11"	11	18' 6"	28"	352	1,000 lbs.	10,976 lbs.

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T45 Carousel Specifications

*Tire Quantity based on 9" wide tires

Model	Height	Width	Depth	Carriers	Carrier Width	Max Tire Diameter	Tire Quantity	Carrier Capacity	Live Load
T45156-0744-12	14' 2"	14' 9"	7' 9"	07	12' 6"	32"	119	1,000 lbs.	11,992 lbs.
T45200-0944-12	17' 10"	14' 9"	7' 9"	09	12' 6"	32"	153	1,000 lbs.	11,704 lbs.
T45244-1144-12	21' 6"	14' 9"	7' 9"	11	12' 6"	32"	187	1,000 lbs.	11,416 lbs.
T45156-0744-15	14' 2"	17' 9"	7' 9"	07	15' 5"	32"	147	1,000 lbs.	11,845 lbs.
T45200-0944-15	17' 10"	17' 9"	7' 9"	09	15' 5"	32"	189	1,000 lbs.	11,515 lbs.

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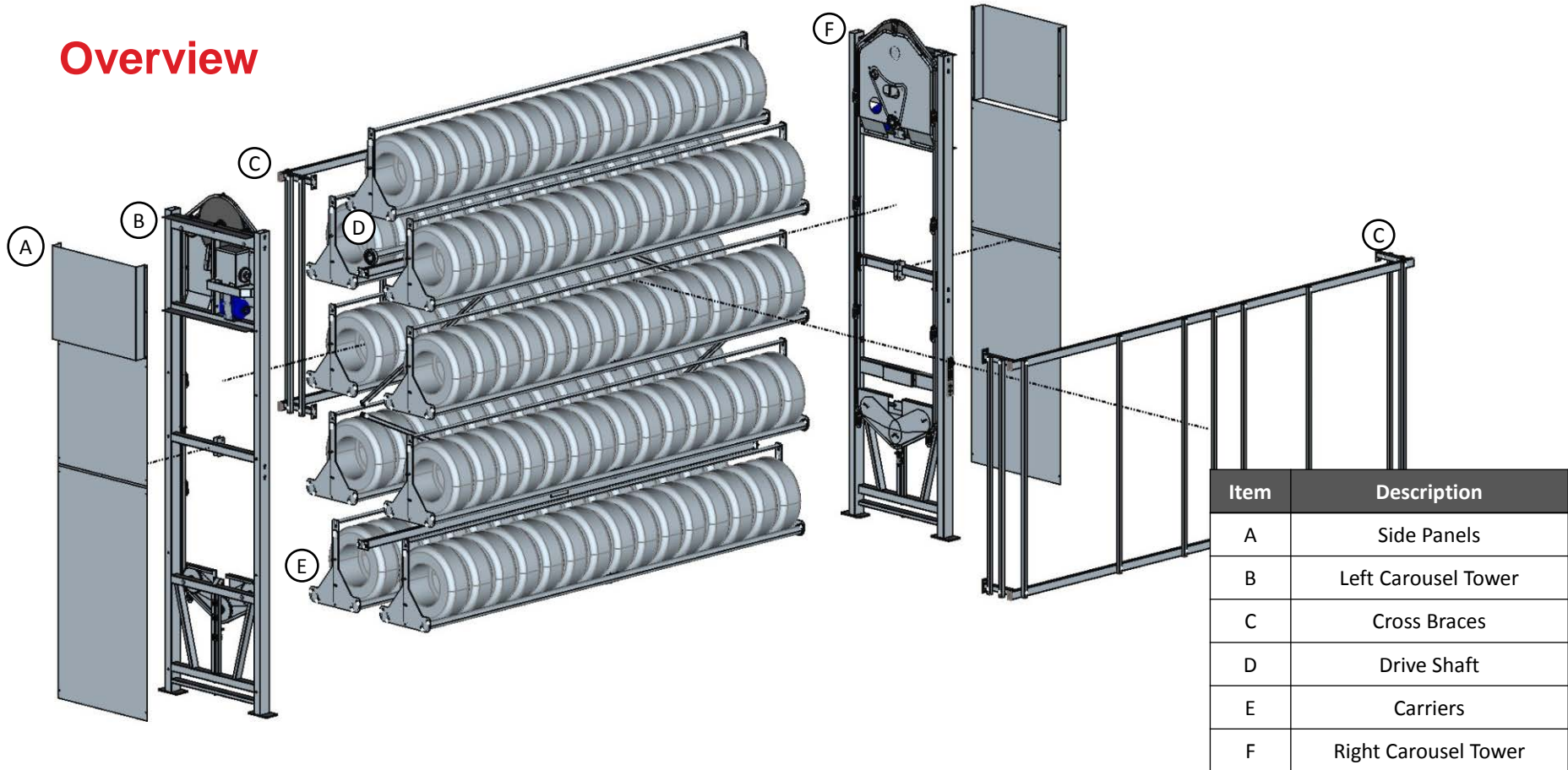
HT54 Carousel Specifications

*Tire Quantity based on 11" wide tires

Model	Height	Width	Depth	Carriers	Carrier Width	Max Tire Diameter	Tire Quantity	Carrier Capacity	Live Load
HT54163-0563-12	15' 2"	14' 11"	9' 4"	05	12' 5"	44"	65	2,000 lbs.	17,860 lbs.
HT54193-0663-12	17' 7"	14' 11"	9' 4"	06	12' 5"	44"	78	2,000 lbs.	17,432 lbs.
HT54226-0763-12	20' 3"	14' 11"	9' 4"	07	12' 5"	44"	91	2,000 lbs.	17,004 lbs.
HT54256-0863-12	22' 10"	14' 11"	9' 4"	08	12' 5"	44"	104	2,000 lbs.	16,576 lbs.
HT54289-0963-12	25' 6"	14' 11"	9' 4"	09	12' 5"	44"	117	2,000 lbs.	16,148 lbs.
HT54319-1063-12	28' 1"	14' 11"	9' 4"	10	12' 5"	44"	130	2,000 lbs.	15,720 lbs.

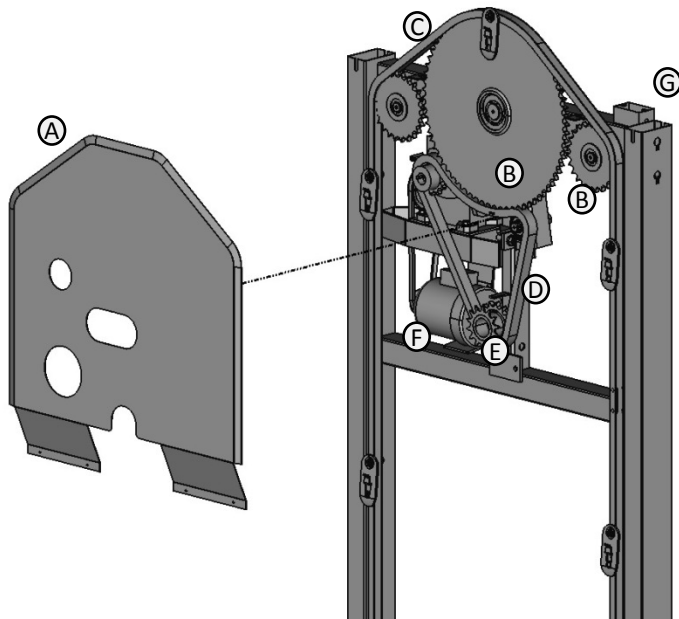
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Overview

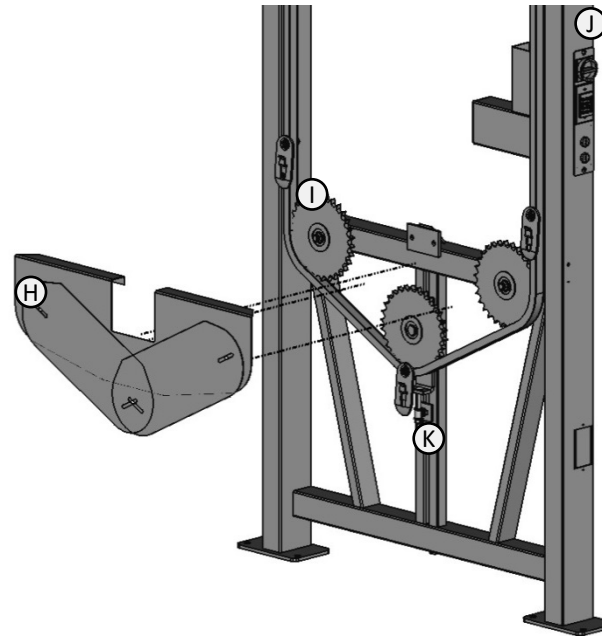


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Right Carousel Tower Top



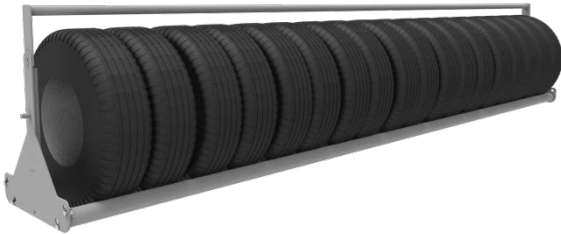
Right Carousel Tower Bottom



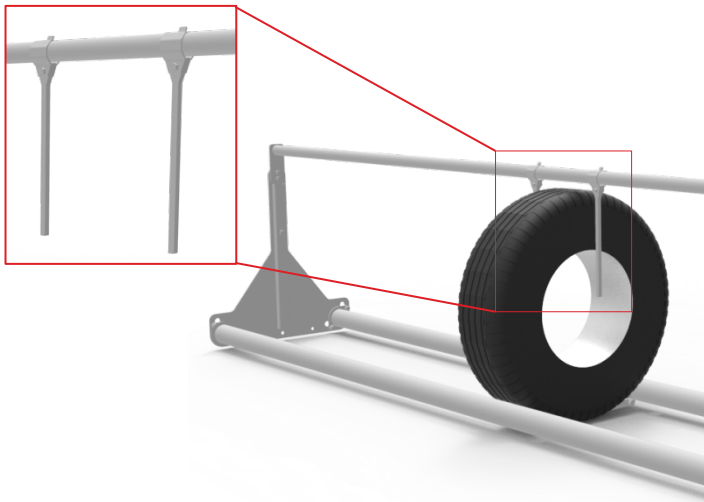
Item	Description
A	Top Chain Cover
B	Load Sprockets
C	Load Chain
D	Drive Chain
E	Drive Sprocket
F	Motor
G	Junction Box
H	Bottom Chain Cover
I	Bottom Sprockets
J	Control panel
K	Load Chain Tensioner

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Tire Carrier



Tire Divider



Tire Carrier Sizes

Model	Description	Max Tire Diameter	Overall Dimensions W x L	Weight
2-55492	T39 12' Carrier	28"	25.17" x 156.5"	143 lbs.
2-58546	T39 15' Carrier	28"	25.17" x 192.5"	163 lbs.
2-58547	T39 18' Carrier	28"	25.17" x 228.5"	184 lbs.
2-53250	T45 12' Carrier	32"	25.17" x 156.5"	144 lbs.
2-54680	T45 15' Carrier	32"	25.17" x 192.5"	165 lbs.
2-73605	Tire Divider (T39, T45 & HT54)	28" - 32"	19" x 6"	2.3 lbs.
2-61703	HT54 12' Carrier	44"	33" x 153"	428 lbs.

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Options & Accessories

Horizontal Security Gate – A horizontal security gate that prevents unauthorized access. This option increases the depth of the carousel by 4”.

Tire Loading Ramp – Tire ramps assist the operator in loading and unloading the carousel. The ramps completely eliminate the requirement to manually lift tires on and off the carousel by creating an incline for tires to roll in/out of position.

Tire Carrier Insert – The tire carrier inserts allow smaller tires to be stored alongside larger ones without sinking too far inside the carrier.

Tire Kicker – The Tire Kicker is a motorized system for loading and unloading large and heavy tires into the carousel. This option replaces the tire ramps when necessary for safer, more ergonomic tire handling.

Dual Controls – Add a duplicate control center to the left tower of the carousel enabling control from either side to increase retrieval speeds.

Variable Frequency Drive – A variable frequency drive (VFD) provides the operator variable speed during carousel operation. Included with the HT54 series.

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Options & Accessories

Electrical Change – Electrical changes can be purchased for the following electrical specifications: 220V/240V, 20 Amp, 60 Hz, 1 phase and 575V/600V, 6 Amp, 60 Hz, 3 phase. Please inquire for information on 50 Hz configurations

Color Change (RAL) – Each additional RAL color required receives a separate charge.

Full Enclosure – The full enclosure replaces the 2” mesh on the front and rear with solid paneling as well as adding an enclosed ceiling. This option is purchased for the added security or the fire suppression in most instances. For example, In situations where the sprinkler capacity is not adequate for the added storage space, a full enclosure can be added which will allow you to create two distinct zones, with independent fire suppression systems, in the existing room.

Preventative Maintenance Package – an annual inspection program designed to extend the life of your carousel.

Seismic Certification – A certification package for Carousels within seismic zones.

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FAQ

Delivery Lead Time – Approximately 8-10 weeks

Installation Time – Approximately 8 hours per carousel for two installers

Material Handling Requirements – A forklift and scissor lift need to be available for the duration of the install

Electricians – The correct voltages need to be onsite prior to the machine arriving. During the installation, a single electrician can connect the carousel to its power source.

Electrical Location – The electrical is run from a [junction box](#) located on the top right of the carousel

Shipping Weights – T39 & T45 tire carousels can weigh anywhere from 3800 lbs. – 5600 lbs. HT54 tire carousels can weigh anywhere from 6700 lbs. – 12000 lbs.

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FAQ

Freight – Vidir will quote freight within North America. All requests outside North America are handled on a case by case basis.

Carousel Location – Carousel must be located on a level concrete surface and bolted to the floor. Ensure that there are no lines running beneath the desired location before drilling.

Warranty – 1 year manufacturers warranty

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