



U.S. Pat. Reg. No's. 9,738,447, 10,081,490. Other U.S. and Int'l applications pending.

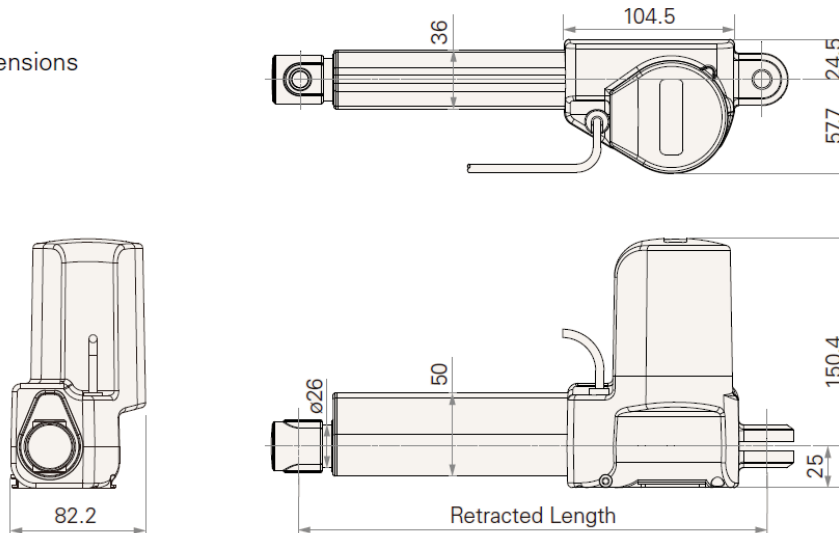
### Actuator Specifications

Voltage Requirements	24 V DC
Maximum Load (Push)	6,000 N (1348 lbs)
Maximum Load (Pull)	4,000 N (899 lbs)
Maximum Speed at full load	23.4 mm/s (.921 in/s) with 1,000 N (224 lbs)
Stroke	635 mm (25 in)
Certificate	EMC and RoHS compliant
Operational Temperature range	+5° C to +45 ° C (+ 41° F to +113° F)



### Drawing

Standard Dimensions  
(mm)



### Load and Speed

CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
	Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed (3400RPM, Duty Cycle 10%)							
L	6000	4000	4000	1.0	4.2	7.3	4.1
N	2500	2500	1500	1.0	4.1	19.4	11.1
O	2000	2000	1000	1.0	4.0	26.1	14.9
P	1000	1000	500	1.0	3.0	39.0	23.4
Q	3500	3500	2500	1.0	4.6	14.5	7.9
T	5000	4000	2500	1.0	4.2	9.8	5.4





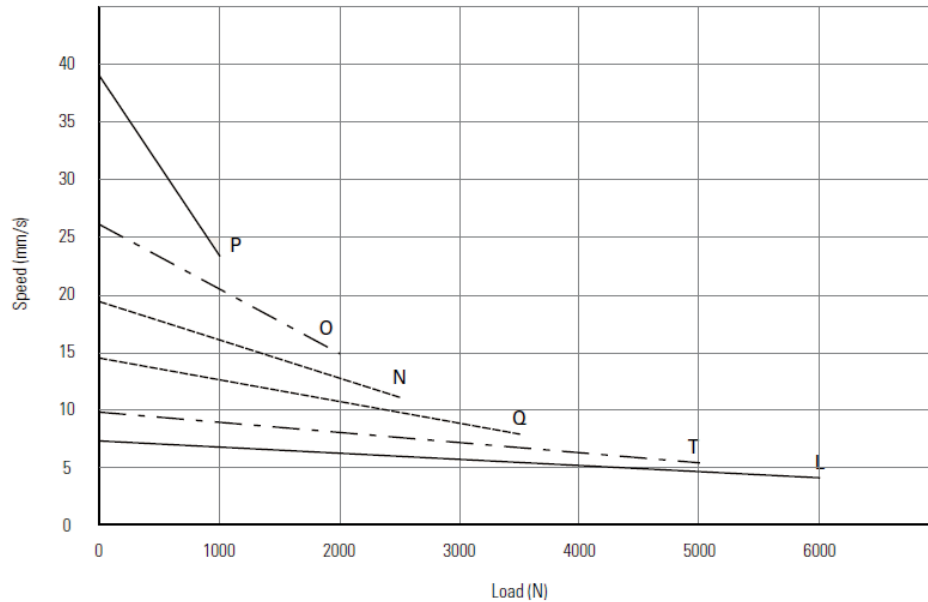
U.S. Pat. Reg. No's. 9,738,447, 10,081,490. Other U.S. and Int'l applications pending.

### Actuator Specifications (Continued)

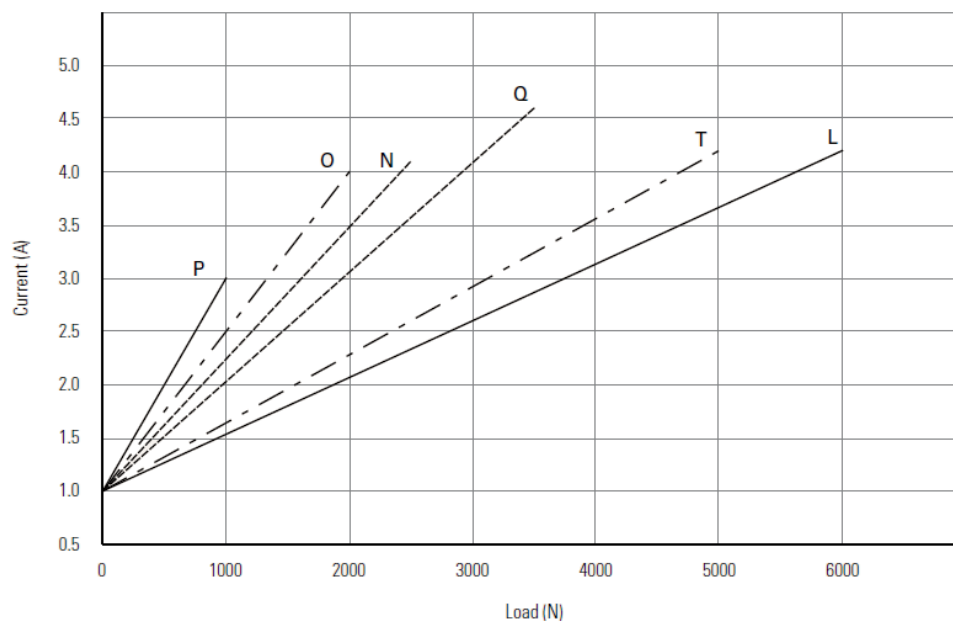
#### Performance Data (24V DC Motor)

Motor Speed (3400RPM, Duty Cycle 10%)

Speed vs. Load








Current vs. Load




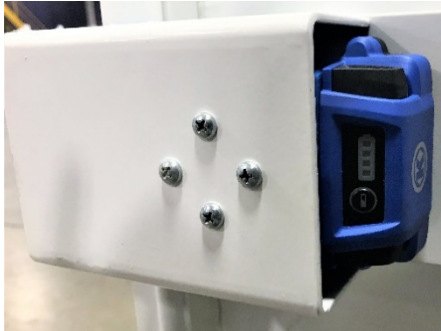



### Options

	<p><b><u>Tow bar</u></b></p> <ul style="list-style-type: none"> <li>Allows operator to pull rack, either individually or in a train.</li> </ul>
	<p><b><u>Hitch</u></b></p> <ul style="list-style-type: none"> <li>Allows racks to be hooked in a train for transport.</li> <li>Can also be hooked to a fork truck, tugger, or AGV for transport.</li> </ul>
	<p><b><u>Directional Locking Foot Pedal</u></b></p> <ul style="list-style-type: none"> <li>Locks the casters so racks only move front to back when in transit between stations.</li> <li>When foot pedal is depressed, racks can temporarily spin or move side to side.</li> <li>Once pedal is released, casters will return to front/back orientation.</li> </ul>
	<p><b><u>Clear Vinyl Curtain</u></b> <b><u>(Available in both ESD &amp; non-ESD materials)</u></b></p> <ul style="list-style-type: none"> <li>Eliminates dust and contamination from contacting parts.</li> </ul>
	<p><b><u>External Control Unit</u></b></p> <ul style="list-style-type: none"> <li>Stationary power unit, to remain line side</li> <li>Requires two hands for additional safety</li> <li>Requires external 120-volt power supply</li> <li>One unit required per station</li> </ul>



### Options (Continued)

	<p><b><u>Control Carrying Case</u></b></p> <ul style="list-style-type: none"><li>• Mobile power capabilities</li><li>• Can go over operator's shoulder, or on their belt</li><li>• Requires 24-volt battery (see page 5 for details)</li><li>• One unit required per station</li></ul>
	<p><b><u>Built-In 24-Volt Battery Unit</u></b></p> <ul style="list-style-type: none"><li>• Removable and rechargeable</li><li>• Includes protective housing</li><li>• Includes directional switch (see specifications below)</li><li>• See additional battery specifications on page 5.</li><li>• One required per rack.</li><li>• Replacement batteries &amp; chargers are available upon request.</li></ul>
	<p><b><u>Rocker Switch</u></b></p> <ul style="list-style-type: none"><li>• Can be mounted directly to rack or to external power units.</li><li>• Dimensions: 2" x 1"</li><li>• Two-directional control.</li></ul>



### Battery Specifications (If Applicable)

#### Battery Info (2.0 Ah)<sup>1</sup>

- Kobalt 24-volt max 2.0-Ah Li-ion battery provides more power and runtime, so you can get the job done fast
- Power indicator displays charge status and can be used whether the battery is on the tool or off
- Internal circuitry protects the battery pack from extreme temperatures, over-discharge, and over-charge for longer life
- Recharges in as fast as 30 minutes for less downtime on the job (charger sold separately)
- 3-year limited warranty gives you peace of mind<sup>2</sup>



Compatible With	Kobalt 24-volt max brushless power tools	Battery Type	Lithium
Charge Time (Hours)	0.5	App Compatibility	×
Wireless	×	Bluetooth Compatibility	×
Charger Included	×	Wi-Fi Compatibility	×
Sub-Brand	N/A	Works with Android	×
Battery Package Count	1	Works with iOS	×
Battery Voltage	24-volt max	Type	Power tool battery kit

#### Battery Info (4.0 Ah)<sup>1</sup>

- Kobalt 24-volt max 4.0-Ah Li-ion battery provides more power and runtime, so you can get the job done fast
- Power indicator displays charge status and can be used whether the battery is on the tool or off
- Internal circuitry protects the battery pack from extreme temperatures, over-discharge, and over-charge for longer life
- Recharges in 1 hour for less downtime on the job (charger sold separately)
- 3-year limited warranty gives you peace of mind<sup>2</sup>



Compatible With	Kobalt 24-volt max brushless power tools	Battery Type	Lithium
Charge Time (Hours)	1	App Compatibility	×
Wireless	×	Bluetooth Compatibility	×
Charger Included	×	Wi-Fi Compatibility	×
Sub-Brand	N/A	Works with Android	×
Battery Package Count	1	Works with iOS	×
Battery Voltage	24-volt max	Type	Power tool battery kit

#### Notes:

1. Batteries incorporated into rack will be 2.0 Ah, and batteries used in external packs will be 4.0 Ah, unless otherwise specified.
2. Warranty is subject to manufacturer's specifications. See page 8 for details.





### Manufacturing & Delivery Process

#### **Pre-Shipment Test**

Prior to shipment, and when appropriate, all racks are tested to assure compliance to the purchase specification. This test data is available to the customer upon request.

#### **Final Design Approval (custom racks only)**

After receipt of the purchase order, a design drawing will be sent to the customer prior to manufacturing. This drawing will contain all final rack dimensions and purchased accessories. Drawing approval must be sent to DGIS Engineering Department prior to production. Any changes made to the design drawing might result to additional cost or delay in delivery.

In the event a prototype is built, written approval of the prototype will suffice for final approval.

### Quality Control

Since 1991, DGIS & its team has taken pride in the quality of our products, manufacturing process, and employee involvement. Our products undergo a rigorous inspection from incoming materials through assembly, final product testing, and approval; this is coupled with industry standard defect-tracking and root-cause analysis. DGIS has a committed Lean culture to show Continuous Improvement within our organization, and we improve efficiency and reduce waste through analytical and creative ways in every area. We strive to be the premier supplier of environmental test chambers in the world, and exceed our customers' expectations in technical knowledge, professional expertise and service performance.

Customer Service is our highest priority.



### Terms & Conditions

Diverse Global Industrial Solutions, Inc ("DGIS") hereby agrees to sell the equipment and/or materials specified in this Technical Specification to the party to whom this Technical Specification is addressed ("Buyer"). To the extent this Technical Specification serves as acceptance of an offer, that acceptance is expressly made conditional on assent to these Terms and Conditions and to the exclusion of all other terms. DGIS expressly rejects all terms not included in these Terms and Conditions. Payment by Buyer of the price set forth in the Quote/Order Acknowledgment constitutes acceptance of all of these Terms and Conditions and rejection of any other terms.

DGIS warrants to the Buyer that the equipment and materials manufactured under this contract ("Equipment and/or Materials") shall be in accordance with the Order Acknowledgement. If any part of the Equipment and/or Materials is determined by DGIS, after timely notice from the Buyer, to be not in accordance with the Order Acknowledgement (a "Nonconforming Good"), then subject to the limitations, exceptions and/or conditions set forth herein, the limited warranty (the "Limited Warranty") described below is applicable.

#### **Limited Warranty**

The Limited Warranty covers manufacturing defects in the products in accordance with the schedule provided below, but such time frame is superseded by the alternative period provided for in the Order Acknowledgement, if any.

- Electronic Actuators: 5 years from the date of shipment to DGIS from our supplier.
- Labor: 1 year from the date of shipment from DGIS.
- Racks/Bags: 1 year from the date of shipment from DGIS.
- Batteries (If Applicable): Subject to manufacturer's warranty. See below for details:

*For 3 years\* from the date of purchase, this product is warranted for the original purchaser to be free from defects in material and workmanship. This guarantee does not cover damage due to abuse, normal wear, improper maintenance, neglect, unauthorized repair/alteration, or expendable parts and accessories expected to become unusable after a reasonable period of use. If you think your product meets the above guarantee criteria, please return it to the place of purchase with valid proof of purchase and the defective product will be repaired or replaced at no charge. This guarantee gives you specific legal rights, and you may also have other rights that vary from state to state. \*Compressors and Outdoor Power Equipment guarantees are limited to 90 days for commercial and rental use.*

As a precondition to any recovery under this Limited Warranty, Buyer must notify DGIS within 30 days of determining (or within 30 days of when such determination reasonably should have been made) that the Equipment and/or Materials constitute Nonconforming Goods.

If a claim is timely made, DGIS will exchange and install replacement Equipment and/or Materials for the Nonconforming Good without charge, during normal business hours. Normal business hours are Monday through Friday from 8am to 5pm. If work needs to be performed after standard working hours, additional charges will apply. All nonconforming goods are to be returned to DGIS for replacement, F.O.B. Diverse Global Industrial Solutions, Inc., Saugatuck, Michigan 49453. All shipping charges, taxes and fees are the responsibility of the Buyer.

#### **Limitation of Liability/Exclusive Remedy**

The Limited Warranty set forth above is the Buyer's exclusive remedy for any claim relating to the Equipment and/or Materials. DGIS shall not be liable to the Buyer or any other person or entity for damages of any kind relating to the Equipment and/or Materials, including, without limitation, direct, indirect, special, incidental, consequential or punitive damages, lost business and/or lost profits, whether such damages are direct or indirect, or in connection with the use or inability to use the Equipment and/or Materials for any purpose whatsoever, irrespective of whether the claims or actions for such damages are based upon contract, tort, negligence, strict liability, warranty or otherwise.





# RZR RACK<sup>TM</sup>

## Specifications

*U.S. Pat. Reg. No's. 9,738,447, 10,081,490. Other U.S. and Int'l applications pending.*

---







### Warranty (Continued)

#### **Exceptions to Limited Warranty – United States**

The following are exceptions to the Limited Warranty:

- The Limited Warranty is void if DGIS has not received full payment for the Equipment and/or Materials.
- The Limited Warranty is void if modifications and/or repairs have been carried out on the Equipment and/or Materials by persons or organizations without the written authorization of DGIS.
- The Limited Warranty is void if any replacement parts from vendors other than DGIS have been used on or with the Equipment and/or Materials without the written authorization of DGIS.
- The Limited Warranty does not cover product defects or accidents which are caused by improper operation, installation, over-spec. applications, function failure caused by other assembled products or unexpected natural calamity.
- Rack warranty does not warrant against rust or abuse.
- Bag warranty does not warrant against abuse.

#### **Disclaimer of Warranty**

EXCEPT AS EXPRESSLY SET FORTH HEREIN, DGIS DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES IN CONNECTION WITH THE EQUIPMENT AND/OR MATERIALS, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING WITHOUT LIMITATION DESCRIPTION, QUALITY, DESIGN, PERFORMANCE, SPECIFICATIONS, CONDITION, MERCHANTABILITY, AND FITNESS FOR ANY PARTICULAR PURPOSE. BUYER AGREES TO ACCEPT THE EQUIPMENT AND/OR MATERIALS "AS IS" AND "WITH ALL FAULTS." DGIS NEITHER ASSUMES NOR AUTHORIZES ANY ENTITY TO ASSUME FOR IT ANY OTHER OBLIGATION WITH RESPECT TO THE EQUIPMENT AND/OR MATERIALS.

NO PERSON IS AUTHORIZED BY DGIS TO MAKE WARRANTIES OR ASSUME ANY LIABILITY FOR DGIS WITH RESPECT TO THE EQUIPMENT AND/OR MATERIALS. ORAL STATEMENTS DO NOT CONSTITUTE WARRANTIES AND SHALL NOT BE RELIED ON BY THE BUYER AND ARE NOT PART OF THIS AGREEMENT. DGIS'S WARRANTY OBLIGATIONS AND THE BUYER'S REMEDY ARE SOLELY AS STATED IN THIS AGREEMENT.

NO CONSEQUENTIAL DAMAGES. DGIS SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES, WHETHER FORESEEABLE OR UNFORESEEABLE AND WHETHER BASED UPON LOST GOODWILL, LOST RESALE PROFITS, LOSS OF USE OF MONEY, WORK STOPPAGE, IMPAIRMENT OF OTHER ASSETS, OR OTHERWISE AND WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, STRICT LIABILITY IN TORT, NEGLIGENCE, MISREPRESENTATION, OR OTHERWISE, EXCEPT ONLY IN THE CASE OF PERSONAL INJURY OR PROPERTY DAMAGE WHERE APPLICABLE LAW REQUIRES SUCH LIABILITY.



# RZR RACK™

## Specifications

U.S. Pat. Reg. No's. 9,738,447, 10,081,490. Other U.S. and Int'l applications pending.

---

### Safety Warnings

#### **WARNING: Tip Over Hazard**

**Rack could tip and cause serious injury or death.** Risk of tipping increases when misused, transported fully extended, transported at excessive speeds, or used on uneven ground. Use caution when transporting by hand or by fork truck, tugger, automated guided vehicle, or by any other method. Do not transport at excessive speeds. Do not climb. Load evenly and place on hard level surface when in use.

#### **WARNING: Pinch Hazard**

**Moving parts on the rack can pinch and cut.** Keep hands clear while operating and while extending or retracting.

