

# MAXiTON ROARPacker



- SUPERIOR WEIGH DISTRIBUTION
- SMART CONTROL SYSTEM
- LOW MAINTENANCE OPERATION
- HIGH SPEED PRODUCTIVITY
- 10 YEARS WARRANTY AGAINST CORROSION
- REMOTE CONTROL WITH INTELLIGENT DIAGNOSIS

# Maxiton ROARPack

## Specifications

| HYDRAULIC SPECIFICATIONS   |                                                                                                      | CONSTRUCTION SPECIFICATIONS |     |
|----------------------------|------------------------------------------------------------------------------------------------------|-----------------------------|-----|
| <b>PUMP</b>                |                                                                                                      | Thickness (mm)              |     |
| Type                       | High pressure gear                                                                                   | Body sides                  | 4.5 |
| Max. Operating Pressure    | 2500 psi                                                                                             | Body roof                   | 4.5 |
| GPM at working RPM         | 26 GPM (98 litres/min. @1100mm)                                                                      | Body floor                  | 6.0 |
| <b>OIL RESERVOIR</b>       |                                                                                                      | Body longitudinal           | 4.5 |
| Tank Capacity              | 14, 15, 19m <sup>3</sup> - 34 gallons (129 litres)<br>21, 25m <sup>3</sup> - 45 gallons (170 litres) | Floor support members       | 9.0 |
| Filters                    | 100 Mesh (140 Micron) suction line replaceable<br>6 Micron return line with in-cab filter monitor    | Hopper floor                | 6.0 |
| <b>VALVES</b>              |                                                                                                      | Carrier panel               | 6.0 |
| Shut-off                   | Gate Valve in suction line between pump and reservoir                                                | Hopper sides                | 6.0 |
| Packing control            | Spool Type                                                                                           | Packing blade               | 8.0 |
| Ejector and Tailgate raise | Spool Type                                                                                           | Ejector panel               | 4.5 |

### TAILGATE SPECIFICATIONS

| Hopper Capacity<br>m <sup>3</sup> | Loading Sill Height<br>(below chasis frame)<br>mm | Hopper Loading<br>Width<br>mm | Hopper Opening<br>Height<br>mm | Cycle Time<br>seconds |
|-----------------------------------|---------------------------------------------------|-------------------------------|--------------------------------|-----------------------|
| 2.29                              | 97                                                | 2200                          | 1397                           | 18-20                 |

### BODY SPECIFICATIONS

| MODEL   | Body Capacity<br>(m <sup>3</sup> ) | Overall Length<br>(mm) | Overall Length<br>(mm)<br><i>Tailgate Raised</i> | Overall Width<br>(mm) | Overall Height<br>(mm)<br><i>Above frame</i> | Overall Height<br>(mm)<br><i>Tailgate Raised</i> | Gross Weight<br>(kg)<br><i>approx.</i> |
|---------|------------------------------------|------------------------|--------------------------------------------------|-----------------------|----------------------------------------------|--------------------------------------------------|----------------------------------------|
| MRL- 14 | 14                                 | 5175                   | 6253                                             | 2438                  | 2490                                         | 5335                                             | 6577                                   |
| MRL- 15 | 15                                 | 5325                   | 6403                                             | 2438                  | 2490                                         | 5335                                             | 6714                                   |
| MRL- 19 | 19                                 | 6175                   | 7253                                             | 2438                  | 2490                                         | 5335                                             | 5595                                   |
| MRL- 21 | 21                                 | 6775                   | 7853                                             | 2438                  | 2490                                         | 5335                                             | 5805                                   |
| MRL- 25 | 25                                 | 7675                   | 8753                                             | 2438                  | 2490                                         | 5335                                             | 7439                                   |

### CYLINDERS

| Model | Tailgate Raised (x 2) |              | Packing Blade (x 2) |              | Upper Panel (x 2) |              |
|-------|-----------------------|--------------|---------------------|--------------|-------------------|--------------|
|       | Bore<br>mm            | Stroke<br>mm | Bore<br>mm          | Stroke<br>mm | Bore<br>mm        | Stroke<br>mm |
| All   | 102                   | 660          | 140                 | 609          | 127               | 914          |

### Ejection (x 1)

#### Double Acting Telescopic

| Model   | Stages | Bore<br>mm | Stroke<br>mm |
|---------|--------|------------|--------------|
| MRL- 14 | 4      | 152        | 2426         |
| MRL- 15 | 4      | 152        | 2672         |
| MRL- 19 | 4      | 152        | 3406         |
| MRL- 21 | 4      | 152        | 3703         |
| MRL- 25 | 5      | 178        | 4410         |

All designs, specifications and components are subject to change at the manufacturer's sole discretion at anytime without notice. Data published herein is for information purposes only and shall not be constructed to warrant suitability of the unit for any particular purposes, as performance may vary with the conditions encountered. The only warranty is our standard

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## Features

### Smart Control System

A smart control system using PLC on a refuse truck enhances waste management operations. It provides real-time monitoring, control, and automation. Features include precise lifting and dumping, optimized collection routes, automated compaction control, vehicle diagnostics, and remote monitoring. It improves efficiency, reduces costs, and promotes sustainable waste management.



### Zinga Coating

| GALVANIC - NO CORROSION                                                           |  | NON GALVANIC - CORROSION                                                          |  |
|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
|                                                                                   |  |                                                                                   |  |
| <b>PROTECTING LAYER</b><br>ZINC-SYSTEMS<br>= ACTIVE SYSTEMS                       |  | <b>PROTECTING LAYER</b><br>PAINT-SYSTEMS<br>= PASSIVE SYSTEMS                     |  |
| <b>REACTION DUE TO AIR AND MOISTURE</b><br>$O_2 + 2H_2O + 4e^- \rightarrow 4OH^-$ |  | <b>REACTION DUE TO AIR AND MOISTURE</b><br>$O_2 + 2H_2O + 4e^- \rightarrow 4OH^-$ |  |
| <b>FORMATION OF:</b><br>$Zn \rightarrow Zn^{2+} + 2e^-$<br>$ZnO$                  |  | <b>FORMATION OF:</b><br>$Fe \rightarrow Fe^{2+} + 2e^-$<br>$Fe_2O_3$              |  |

Zinga coating offers reliable corrosion protection for refuse trucks. Its zinc-rich formula creates a durable barrier that prevents rust and deterioration. The coating is easy to apply and adheres well to different surfaces. It resists harsh conditions, extends the truck's lifespan, and requires minimal maintenance. Zinga is a sustainable choice with no VOCs. Overall, it provides long-lasting protection for refuse trucks against corrosion.

### Smart Waste Management Operation

The smart communication system between the refuse truck and smart refuse compactor revolutionizes waste collection and ensures efficient and safe operations. Through advanced technology and real-time data exchange, the system enables on-demand collection, optimizing routes and reducing unnecessary trips. The refuse truck and compactor communicate seamlessly, coordinating their actions for maximum efficiency. Safety features are integrated, providing alerts and notifications to operators, ensuring proper operation and minimizing risks. This smart communication system streamlines waste management, enhances productivity, and promotes sustainable practices in the collection process.

