

RJ-100SC Self-Contained Compactor/Container



Malls

Shopping centers

Dairies

Large restaurants

Cafeterias

In-flight kitchens

Supermarkets

Food processors

*Theme parks/
resorts*

*Hospitals and
institutions*

Hotels and motels



RAMJET
Stationary and self-contained compactors

Quik Clean® Tank

Full door seal with P-Seal

CYCON Life-Xtender® Cyclic Control System

Load from both ground and dock level

CYCON Cyclic Control System

Standard on all RJ-100SC Compactors

- ✔ Reliable, solid state circuitry eliminates all pressure and limit switches
- ✔ CYCON's no-shock cycle control extends cylinder and hose wear life
- ✔ Automatic "container full assurance system" — the ram dwells against the load at full pressure, resulting in better compaction
- ✔ Smoother running, quieter operation
- ✔ Advanced hydraulic design enables the system to operate at minimum pressure levels until the need for more pressure is automatically sensed
- ✔ More accurate Advanced Warning or Container Full options
- ✔ Dramatically improved cold weather performance



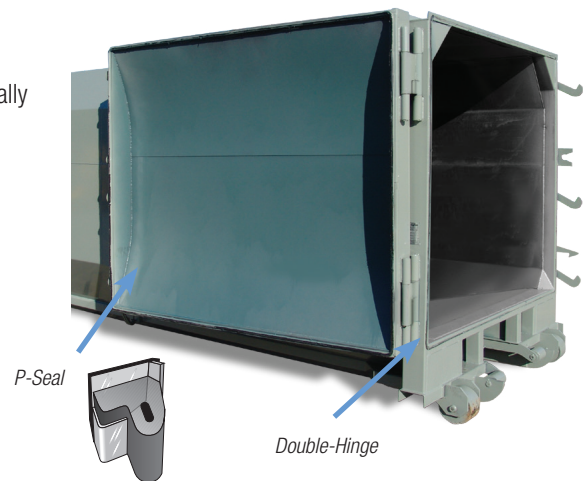
RJ-100SC Compactor with 30 and 34 Cubic Yard Capacity Container

Marathon Engineering

Marathon's RJ-100SC self-contained compactor/container makes handling wet or dry waste simple. It is easy to load from both the ground and dock levels. In addition, a hopper can be used to double or triple the loading capacity. Waste can be fed continuously while the unit is cycling. The 22-ton (19,958 kg) plus crushing power of the RJ-100SC will reduce your refuse to a fraction of its original size. The universal double-end pickup and dock-friendly design make the RJ-100SC ideal for dock-fed applications. Other features include fire hose connections on each unit, hinge grease fittings, and ground and guide rollers.

P-Seal

The P-shaped **Door Seal** is specially designed for portable compaction containers to provide a superior watertight closure. The mounting is engineered for quick and easy installation when replacement is necessary, requiring no field fitting, cutting, or welding.



Double-Hinge with Bronze Bushing

Every RJ-100SC is tested for watertightness before leaving the factory. Liquid retention is ensured by the Marathon **Double-Hinge**. It creates uniform seal compression while eliminating the seal "scrubbing" and damage so often encountered with competitive designs. The **Double-Hinge** also saves expensive driver and truck time because only one easy-to-operate ratchet makes it work.

Bubble Gate and Auto Relatch

The innovative "**Bubble Gate**" adds a full cubic yard to container capacity. Superior compaction ratios result from its special curved shape. These two unique benefits **reduce costs of disposal**.

The ultimate in latch systems, Marathon's "**Auto Relatch**" eliminates the need to hold the door while operating the latch ratchet. This design enables the operator to use both hands on the ratchet.



Images shown with optional equipment



Marathon's **Remote Power Pack**, separate from the compactor/container, remains free of damage caused during hauling to and from disposal sites and free of problems caused by landfill dust. Two simple-to-use, hydraulic quick disconnects couple the power unit to the packing head. **Weather Cover** and the **UL® & CUL® Listed Motor Control Panel** are standard equipment.

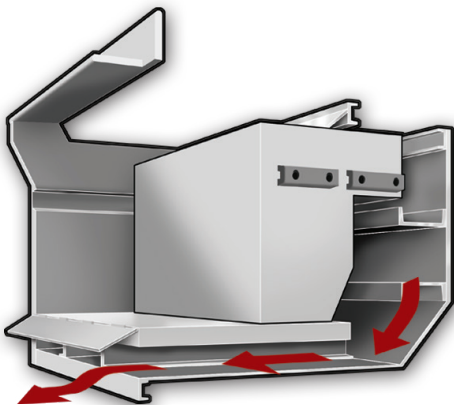


All Marathon Remote Power Packs are built in-house

to our quality standards and each unit must pass a series of stringent tests before it can be shipped with the selected compactor.



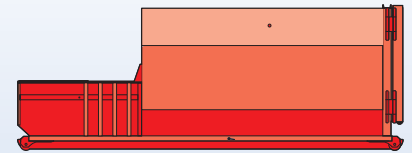
The optional doghouse offers a totally enclosed charge box with heavy-duty "T" handle latches.



The Qwik Clean® Tank feature, standard on all RJ-100SC compactors, funnels any liquid seepage which can occur during compaction into an enclosed area underneath the charge box floor. The liquid is automatically discharged at the disposal site, in effect flushing the container and the area behind the ram. The 12-inches (305mm) high, 750-gallon (2839 liters) capacity sump area is designed to provide easier hook access for roll-off drivers.

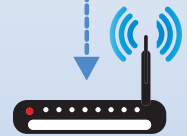
Pandora Platform Functionality

Optional on all RJ-100SC Compactors



RJ-100SC

Compactor with PLC and wireless modem



Secure wireless custom network



Pandora Server



Pandora Notification Server



RJ-100SC Self-Contained Compactor/Container

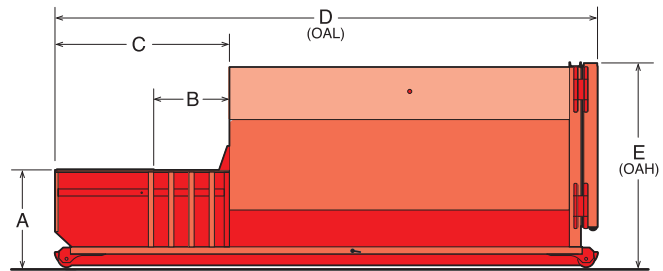
Dimensions and Specifications

Specifications		
Charge Box Capacity		
[Mfr. Rating]	1.5 cu yd	1.15 m³
[NWR Rating]	1.32 cu yd	1.01 m³
Clear Top Opening	35"L x 60"W	889mm x 1524mm
Performance Characteristics:		
Cycle Time	37 sec.	37 sec.
Total Normal Force	36,300 lbs.	161 kN
Total Maximum Force	45,200 lbs.	201 kN
Normal Ram Face Pressure	20.9 psi	144 kPa
Maximum Ram Face Pressure	25.9 psi	179 kPa
Ram Penetration	6.5"	165mm
Electrical Equipment:		
Electric Motor 3/60/230-460	10 hp	7.5kW
Electric Control Voltage	120 VAC	120VAC
Panel Box Assembly		
UL® and CUL® Listed	Key Operated	120 VAC
All Circuits Fused	3-Button Controls: Keylock Start, Stop, Reverse	
Hydraulic Equipment:		
Hydraulic Pump	10 gpm	38 L/min
Normal Pressure	1850 psi	128 bar
Maximum Pressure	2300 psi	159 bar
Hydraulic Cylinder - Bore	5"	127mm
- Rod	2.5"	64mm

RJ-100SC	A	B	C	D**	E	WT.
30 cu yds	4'0" 1219mm	3' 2 ⁵ / ₈ " 981mm	7' 4 ¹ / ₈ " 2238mm	22' 1 ³ / ₁₆ " 6736mm	8' 8" 2642mm	9,400 lbs. 4273 kg
34 cu yds	4'0" 1219mm	3' 2 ⁵ / ₈ " 981mm	7' 4 ¹ / ₈ " 2238mm	24' 2" 7366mm	8' 8" 2261mm	9,900 lbs. 4500 kg

* Overall height with hydraulic tailgate raised: 16'6". Hoist should be equipped with selector valve (1500 psi minimum) in order to control hydraulic tailgate.

** Other lengths available. Call factory for details.



Dimensions not shown: 8' 4¹/₈" (2543mm) Overall Width
 Ground Roller Widths: 61' 1¹/₈" (1569mm) Inside Rollers
 67' 3¹/₈" (1712mm) Roller Centers
 72' 7¹/₈" (1851mm) Outside Rollers



You can add the Pandora Remote Monitoring System to many of our most popular compactors. For information about adding Pandora, please contact your Marathon salesperson.

Compactor Rental and Leasing Programs Available

For detailed specifications, recommendations, or free economic studies comparing various systems, contact Marathon Customer Care at

1-800-633-8974.



Stationary and self-contained compactors.

Authorized Dealer:



Marathon Equipment Company
 P.O. Box 1798
 Vernon, AL 35592-1798
 800.633.8974
www.marathonequipment.com

Sourcewell Contract #060612-ESG



www.doveresg.com



Pictures in this literature are illustrative only. Specifications are subject to change without notice in order to accommodate improvements to the equipment. Certified in compliance with ANSI standard Z245.2, applicable OSHA Regulations, and certified under WASTEC's Stationary Compactor Certification Program. Products must be used with safe practice and in accordance with said regulations and standards.