RJ-100SC Self-Contained Compactor/Container

Dimensions and Specifications

Specifications		
Charge Box Capacity		
[Mfr. Rating]	1.5 cu yd	1.15 m³
[WASTEC Rating]	1.32 cu yd	1.00 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	? kPa
Maximum Ram Face Pressure	26 psi	? 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	2-Button Station Start/Stop	
Hydraulic Equipment:		
Hydraulic Pump	10 gpm	38 L/min
Normal Pressure	1850 psi	128 bar
Maximum Pressure	2300 psi	159 bar
Hydraulic Cylinders (2) - Bore	5"	127mm
- Rod	2.5"	64mm

RJ-100SC	A	B	C	D**	E	WT.
30 cu yds	4'0" 1219mm	3' 2⅝" 981mm	7' 4⅛" 2238mm	22' 1³⁄₁₆" 6736mm	8' 8" 2642mm	9,400 lbs. 4273 kg
34 cu yds	4'0" 1219mm	3' 2⅝" 981mm	7' 4⅛" 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' 4⅛" (2543mm) Overall Width
Ground Roller Widths: 61 ⅞" (1569mm) Inside Rollers
67 ⅜" (1712mm) Roller Centers
72 ⅞" (1851mm) Outside Rollers

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**.

Authorized Dealer:

RAMJET
Stationary and self-contained compactors.

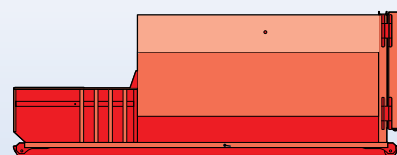
Left sidebar

PANDORA INTELLIGENT NETWORKS™

You can add the Pandora Remote Monitoring System to many of our most popular compactors. Pandora enables you to measurably reduce your waste management costs. To find out more, contact your Marathon representative today.
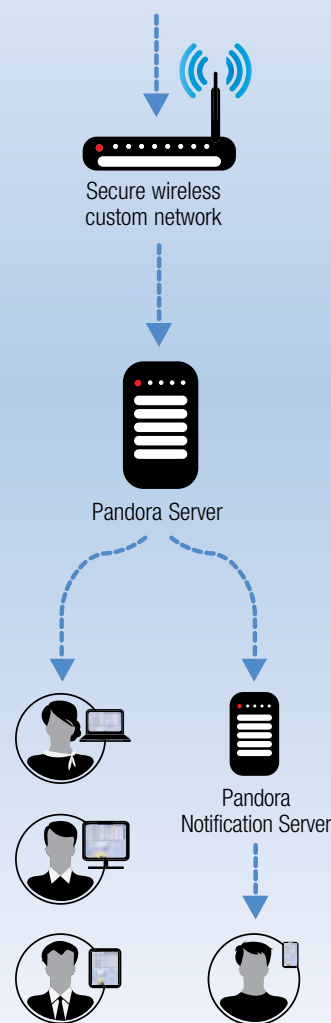
Pandora Platform Functionality

Optional on all RJ-88SC Compactors

RJ-100SC
Compactor with PLC and wireless modem

Secure wireless custom network

Pandora Server

Pandora Notification Server

▼ Pandora can display daily equipment status on a desktop or mobile PC, tablet, or smart phone

▼ Staff can login from any desktop or wireless device

▼ Pandora can send notifications to superintendent or directly to haulers

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Right panel
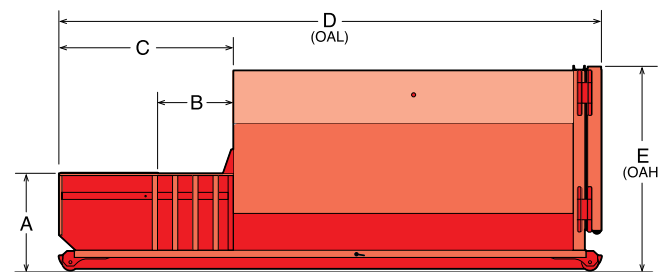
RJ-100SC Self-Contained Compactor/Container

MARATHON®
A DOVER COMPANY

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.
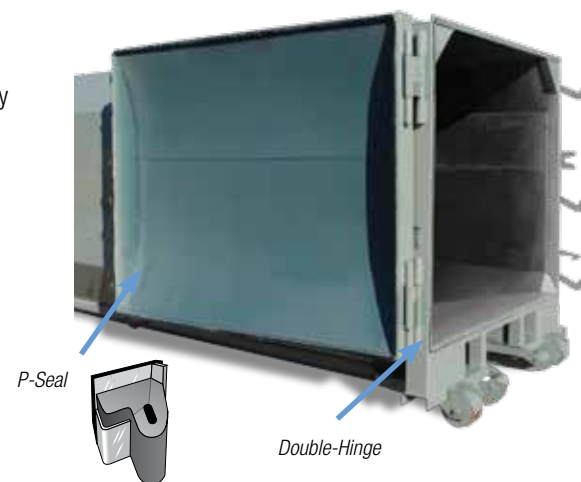
Environmental Solutions Group
A DOVER COMPANY

Quik Clean® Tank

Full door seal with P-Seal

CYNCON Life-Xtender® Cyclic Control System

Load from both ground and dock level

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.
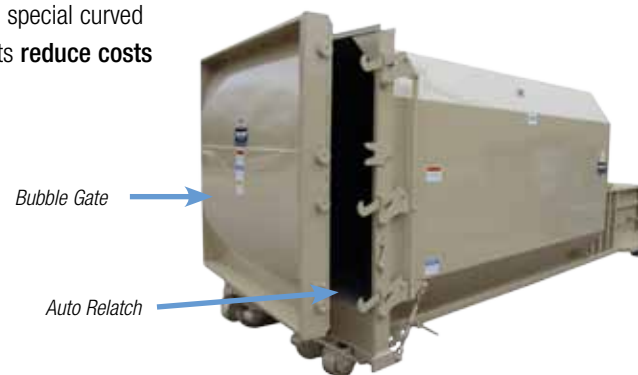
P-Seal

Double-Hinge

Double-Hinge with Bronze Bushing

Every RJ-100SC is tested for watertightness before leaving the factory. Liquid retention is ensured by the Marathon's **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.

Bubble Gate

Auto Relatch

*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. No electrical connections to make or break — 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-88SC 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.

CYNCON Cyclic Control System

Standard on all RJ-100SC Compactors

- Reliable, solid state circuitry eliminates all pressure and limit switches
- CYNCON'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 except when actually packing solid waste
- More accurate Advanced Warning or Container Full options
- Dramatically improved cold weather performance

Pandora Remote Monitoring System

The revolutionary Pandora Remote Monitoring System from Marathon enables you to monitor your compaction and baling equipment remotely, right from your desktop or mobile device using integrated wireless communications. The Pandora system combines onsite factory built-in or external add-on hardware with an industry-leading software platform – Pandora Intelligent Networks™ - to give you, real-time compactor and baler data, 24 hours per day, seven days per week.

Pandora gives you the tools to optimize your equipment and measurably reduce your waste management costs. You can eliminate unnecessary pickups, service your equipment to prevent downtime, and substantially reduce your overall carbon footprint.

View the Compactor
- Check performance
- Monitor fullness
- Identify misuse

Manage the Network
- Automate the scheduling of pickups and service calls
- Track performance trends
- Identify and address areas of inefficiency

Stay Connected
- Receive email or text alerts on your mobile device
- Communicate important decisions from any location
- Automatically escalate missed pickups or service call notifications

Repairs
- Schedule service before costly breakdowns
- Keep equipment operating at peak efficiency
- Receive malfunction and online alerts
- Reduce service and replacement costs

Metrics
- Create a custom dashboard to view equipment data and analyze operating trends
- Identify ways to enhance performance

Pickups
- Automatically notify the hauler when compactors reach their desired fullness level
- Pay only for necessary pickups

Images shown with optional equipment