

RJ-500 & RJ-500HD Stationary Compactors

Dimensions and Specifications

Specifications:	RJ-500	
Charge Box Capacity	216 cu. yd.	165 m ³
[Mfr. Rating]	4.5 cu. yd.	3.4 m ³
[NSWMA Rating]	3.18 cu. yd.	2.4 m ³
Clear Top Opening (L x W)	83" x 60"	2108mm x 1524mm
Performance:		
Cycle Time	53 sec.	53 sec.
Total Normal Force	65,400 lbs.	291 kN
Total Maximum Force	77,000 lbs.	343 kN
Normal Ram Face Pressure	32.5 psi	2.2 bar
Maximum Ram Face Pressure	38.3 psi	2.6 bar
Ram Penetration	14"	356mm
Electrical Equipment:		
Electrical Motor 3/60-208/230/460	15 hp	11.2 kw
Electrical Control Voltage	120 VAC	120 VAC
UL® and CUL® Listed Panel Box: NEMA Type, All Circuits Fused		
2-Button Controls: Keylock Start/Stop		
Hydraulic Equipment:		
Pump Capacity	18.5 gpm	70 liters/min
Normal Pressure	1,700 psi	116 bar
Maximum Pressure	2,000 psi	136 bar
Hydraulic Cylinder (Bore)	7"	178mm
Hydraulic Cylinder (Rod)	4"	102mm
Hydraulic Cylinder (Stroke)	98"	2,489mm
Structural Characteristics:		
Charge Box Sides	¼" pl	6mm
Charge Box Floor	½" pl	13mm
Ram Face Plate	½" pl	13mm
Ram Face Size	59 ⅞" x 30"	1521mm x 762mm
Ram Bottom	¾" pl	10mm
Ram Top	¾" pl	10mm
Breaker Bar	1" pl	25.4mm
Weight	8,500 lbs.	3,856 kg

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**.

RAMJET
Stationary and self-contained compactors.

Specifications:	RJ-500HD	
Charge Box Capacity	216 cu. yd.	165 m ³
[Mfr. Rating]	4.5 cu. yd.	3.4 m ³
[NSWMA Rating]	3.18 cu. yd.	2.4 m ³
Clear Top Opening (L x W)	82" x 59¼"	2082mm x 1504mm
Performance:		
Cycle Time	53 sec.	53 sec.
Total Normal Force	84,700 lbs.	377 kN
Total Maximum Force	96,200 lbs.	428 kN
Normal Ram Face Pressure	47.7 psi	3.2 bar
Maximum Ram Face Pressure	54.2 psi	3.7 bar
Ram Penetration 14"	14"	356mm
Electrical Equipment:		
Electrical Motor 3/60-208/230/460	20 hp	14.9 kw
Electrical Control Voltage	120 VAC	120 VAC
UL and CUL listed Panel Box: NEMA Type, All Circuits Fused		
2 Button Controls: Keylock Start/Stop		
Hydraulic Equipment:		
Pump Capacity	18 gpm	68 liters/min
Normal Pressure	2,200 psi	152 bar
Maximum Pressure	2,500 psi	172 bar
Hydraulic Cylinder (Bore)	7"	178mm
Hydraulic Cylinder (Rod)	4"	102mm
Hydraulic Cylinder (Stroke)	98"	2,489mm
Structural Characteristics:		
Charge Box Sides	¼" pl	6mm
Charge Box Side Liners	3/8" AR pl	9mm
Charge Box Floor	½" AR pl	13mm
Tongue & Groove Floor	½" AR BARS	13mm
Ram Face Plate	¾" pl	19mm
Ram Face Size	59 ⅞" x 30"	1502mm x 762mm
Ram Bottom	½" AR pl	13mm
Ram Top	½" pl	13mm
Breaker Bar	¾"/1" pl	19mm/25.4mm
Weight	10,300 lbs.	4,672 kg

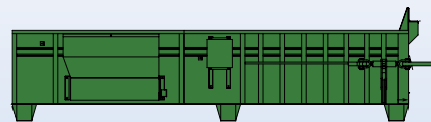
Authorized Dealer:



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.

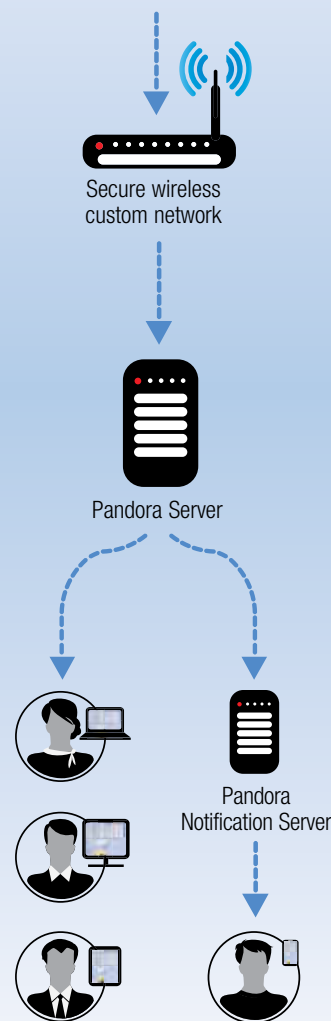
Pandora Platform Functionality

Optional on all RJ-500 and RJ-500HD Compactors



RJ-500

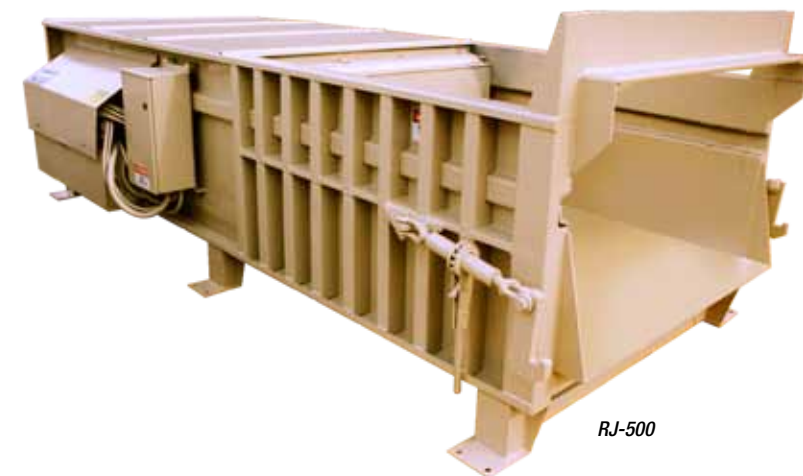
Compactor with PLC and wireless modem



- ✓ 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



RJ-500 & RJ-500HD Stationary Compactors



RJ-500



Tongue and groove floor standard on RJ-500HD

Designed to handle heavy-duty waste streams

Ideal for small transfer stations or municipal drop-off centers

Heavy-duty design and high-compaction force yield excellent volume reduction with MSW and light C&D waste streams

User-friendly 48-inch deck height keeps installation costs down



Marathon Equipment Company
P.O. Box 1798
Vernon, AL 35592-1798
800.633.8974
www.marathonequipment.com
NJPA Contract #060612-ESG



www.doveresg.com



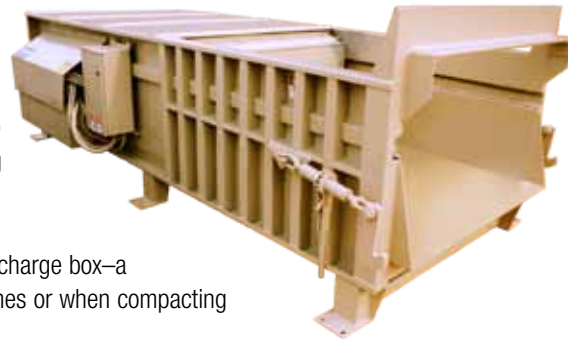
Environmental Solutions Group
A DOVER COMPANY

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 WASTE's Stationary Compactor Certification Program. Products must be used with safe practice and in accordance with said regulations and standards.

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Transfer stations**Municipal recycling
drop off enters****Large warehouses****Distribution centers****Manufacturing
facilities****RJ-500 Compactor**

Marathon's Ramjet RJ-500 compactor is a real workhorse! Its proven capability assures top performance in heavy commercial and industrial applications. The RJ-500 is unique to other compactors in its class, offering a large 60-inch (1524mm) wide by 83-inch (2108mm) long clear top opening and a 33-inch (838.2) deep charge box—a handy feature during peak loading times or when compacting bulky items.

**Engineered for Durability**

The RJ-500 is stress engineered for durability. This means the strength is where it belongs—like the half-inch charge box floor reinforced with seven heavy-duty steel channels, the half-inch plate ram face backed with 10-inch (254mm) plus 6-inch (152.4) structural channels, and the extra rugged reinforced sides.

RJ-500HD Heavy-Duty Compactor

The large 59 1/4-inch (1505mm) wide by 82-inch (2083mm) long clear top opening and superior strength of the RJ-500HD make it just right for large volumes or crates, skids, and other hard-to-compact industrial refuse and trash. Waste is crushed to a fraction of the original bulk.

**Heavy-Duty Design**

Marathon's RJ-500HD is engineered with extra steel to meet the demands of heavy-duty industrial use. Cylinder supports, a 1-inch (25.4mm) thick breaker bar, a 1/2-inch (12.7mm) ram top, and extra side supports are added for superior endurance. Also standard on the RJ-500HD are 3/8-inch (9.52mm) thick steel charge box liners and a 1/2-inch (12.7mm) thick abrasion-resistant steel plate on the charge box floor.

The RJ-500HD comes standard with a 1/2-inch (12.7mm) AR400 tongue and groove floor, as well as a remote power unit. An optional side-mount power unit is available.

**Cart Dumpers, Chutes,
and Hoppers**

The RJ-500 and RJ-500HD can be fitted with a variety of material handling equipment such as chutes, hoppers, and dumpers. The compactor shown is fitted with a side fed hopper and a ground level dumper. Cart dumpers can be custom built to your specifications to accommodate existing cart systems.



Images shown with optional equipment

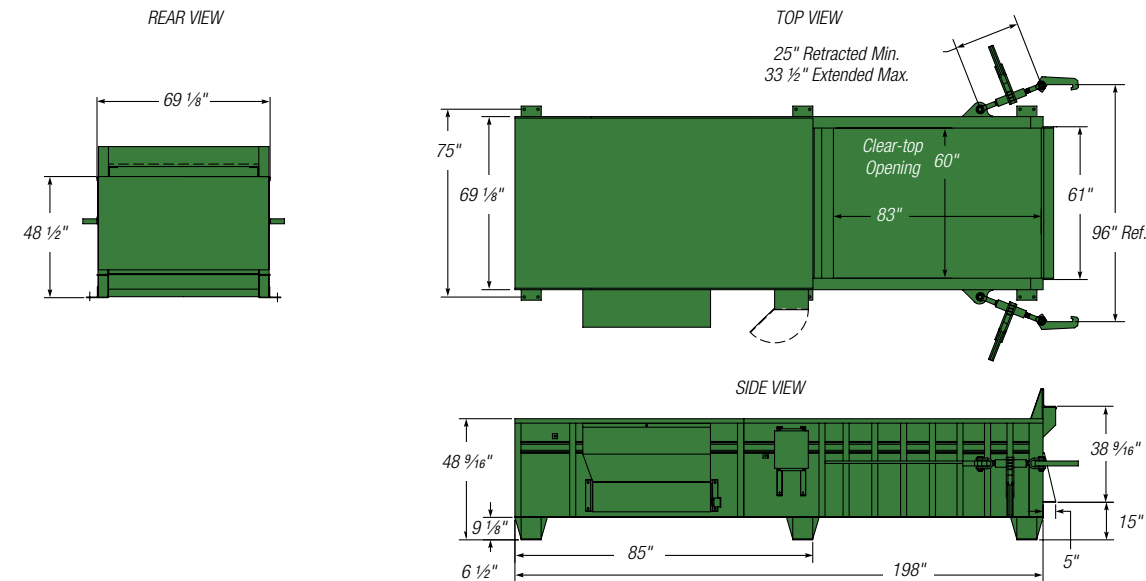
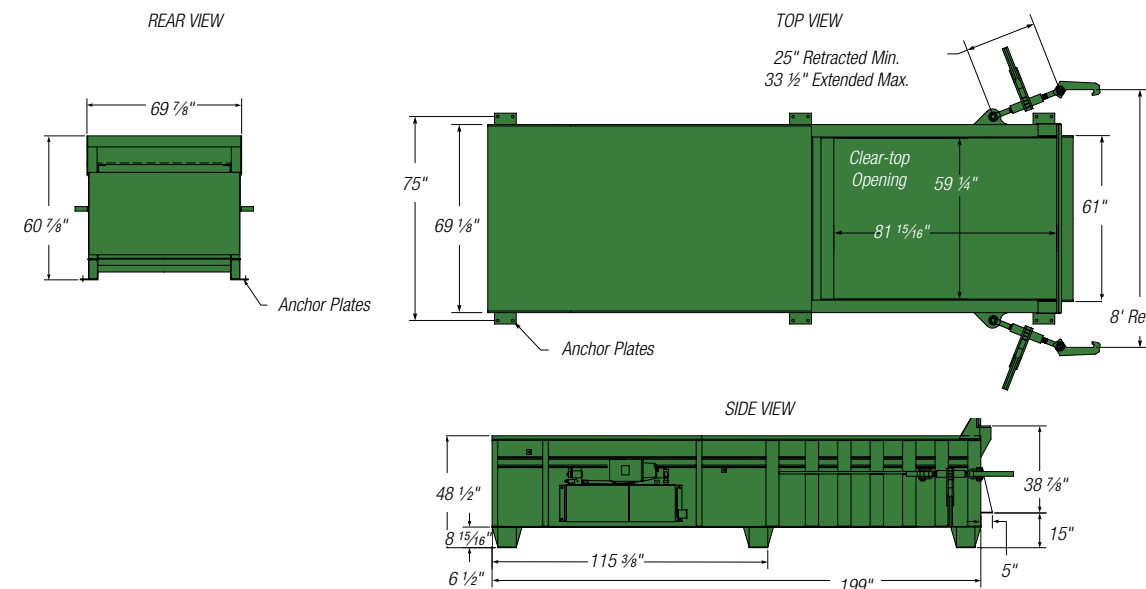
**Ram Guide System**

The packing ram is supported by specially formulated cast iron shoes which ride on replaceable wear strips. This

exclusive design protects the charge box floor from the full force of the packing ram, extending its life and dramatically reducing compaction-robbing friction.

Control Station

The RJ-500 and RJ-500HD feature an advanced, simplified 2-button control system. It is a key-operated, fully automatic and contained in a weatherproof NEMA 4 enclosure. Connected to the power pack with 13-feet (3.96m) of Sealtite®, the controls can be located for operator convenience.

**Dimensions****RJ-500****RJ-500HD****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