RJ-500 & RJ-500HD Stationary Compactors

Dimensions and Specifications

Specifications:	RJ-500	
Charge Box Capacity	216 cu. yd.	165 m³
[Mfr. Rating]	4.5 cu. yd.	3.4 m³
[NSWMA Rating]	3.18 cu. yd.	2.4 m³
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	⅜" pl	10mm
Ram Top	⅜" pl	10mm
Breaker Bar	1" pl	25.4mm
Weight	8,500 lbs.	3,856 kg

Specifications:	RJ-500HD	
Charge Box Capacity	216 cu. yd.	165 m³
[Mfr. Rating]	4.5 cu. yd.	3,4 m³
[NSWMA Rating]	3.18 cu. yd.	2,4 m³
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 ⅛" 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

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.

Authorized Dealer:

PANDORA
INTELLIGENT NETWORKS
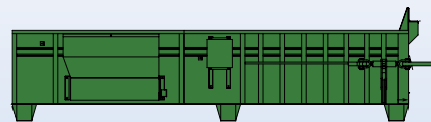
You can add the Pandora Remote Monitoring System to many of our most popular compactors. Pandora enables you to measurably reduce your waste management costs. To find out more, contact your Marathon representative today.
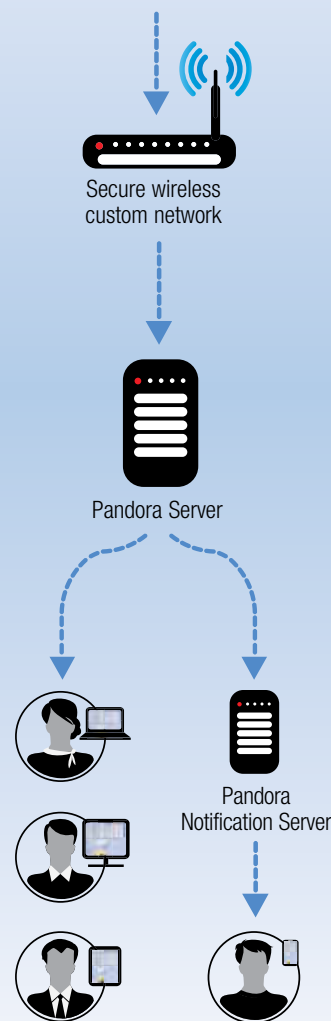
Pandora Platform Functionality
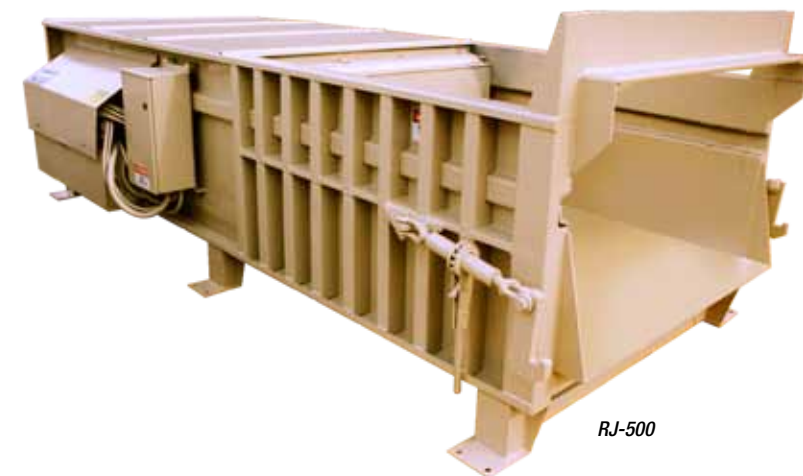Optional on all RJ-500 and RJ-500HD Compactors

RJ-500
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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RJ-500 & RJ-500HD Stationary Compactors

MARATHON®
A DOVER COMPANY

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

RJ-500

Tongue and groove floor standard on RJ-500HD

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Stationary and self-contained compactors.

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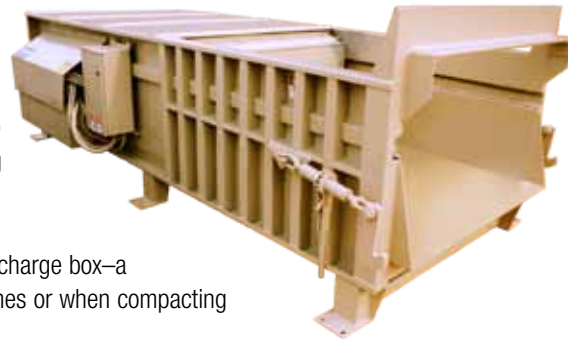www.marathonequipment.com

NJPA Contract #060612-ESG

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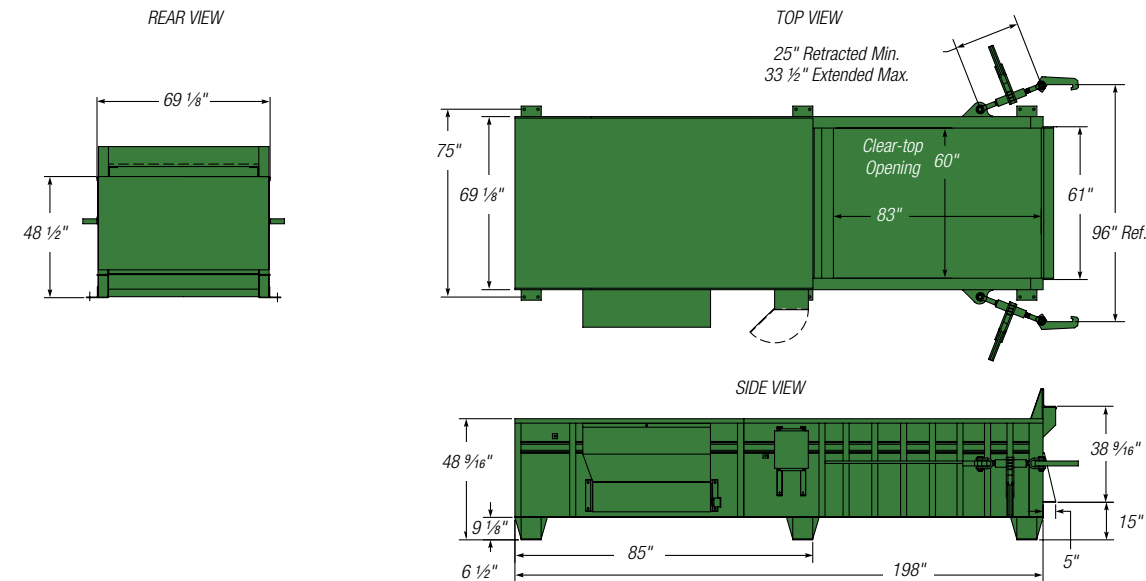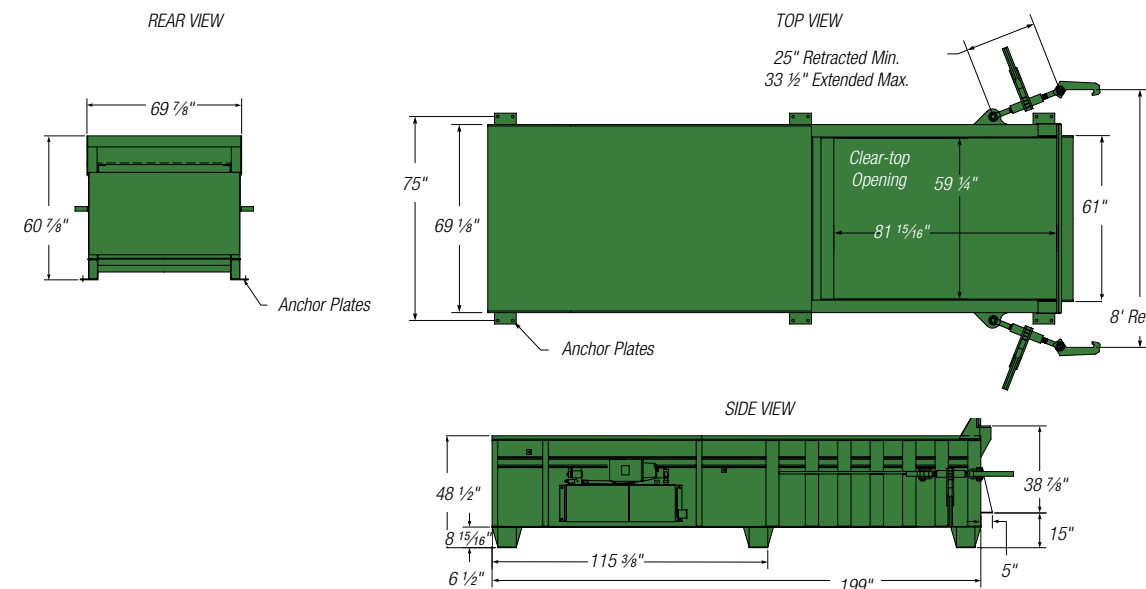
Environmental Solutions Group
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Ram Guide System

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

REAR VIEW — 69 1/8", 48 1/2"

TOP VIEW — 25" Retracted Min. 33 1/2" Extended Max., 75", 69 1/8", Clear-top Opening 60", 83", 61", 96" Ref.

SIDE VIEW — 48 9/16", 9 1/8", 6 1/2", 85", 198", 38 3/16", 15", 5"

RJ-500HD

REAR VIEW — 69 7/8", 60 7/8", Anchor Plates

TOP VIEW — 25" Retracted Min. 33 1/2" Extended Max., 75", 69 1/8", Clear-top Opening 59 1/4", 81 15/16", 61", Anchor Plates, 8' Ref.

SIDE VIEW — 48 1/2", 8 15/16", 6 1/2", 115 3/8", 199", 38 7/8", 15", 5"

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

RAMJET By MARATHON®
Stationary and self-contained compactors.
For more information or to order, call 1-800-633-8974 or visit us at www.marathonequipment.com.