

RJ-500 & RJ-500HD Stationary Compactors

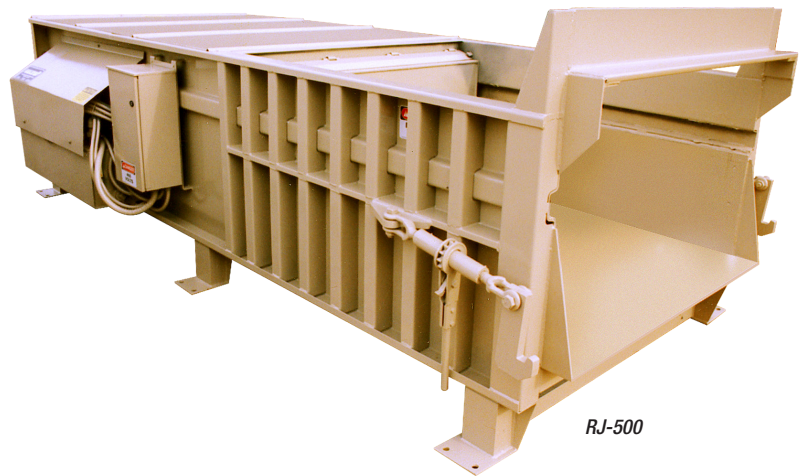


Designed to handle heavy-duty waste streams

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

RAMJET 
Stationary and self-contained compactors.



Environmental Solutions Group

A DOVER COMPANY

RJ-500 Compactor

Transfer stations

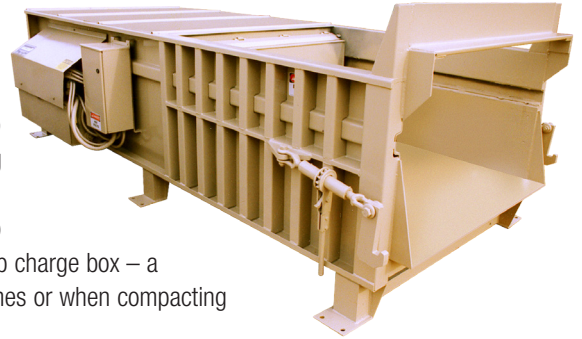
Municipal recycling drop off enters

Large warehouses

Distribution centers

Manufacturing facilities

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 82 1/2-inch (2096mm) long clear top opening and a 33-inch (838mm) 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 nine heavy-duty steel channels, the half-inch plate ram face backed with 10-inch (254mm) plus 6-inch (152mm) structural channels, and the extra rugged reinforced sides.

RJ-500HD Heavy-Duty Compactor

The large 59 1/2-inch (1511mm) wide by 81-inch (2057mm) 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

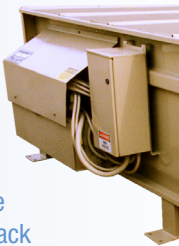
Marathon's RJ-500HD is engineered with extra steel to meet the demands of heavy-duty industrial use. Cylinder supports, a 3/4-inch (19mm) thick angle and 1 inch (25mm) thick plate breaker bar, a 1/2-inch (13mm) ram top, and extra side supports are added for superior endurance. Also standard on the RJ-500HD are 3/8-inch (10mm) thick steel charge box liners and a 1/2-inch (13mm) thick abrasion-resistant steel plate on the charge box floor.

The RJ-500HD comes standard with a 1/2-inch (13mm) AR400 tongue and groove floor, as well as a right hand side-mount power unit.

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.

The RJ-500 and RJ-500 HD come standard with a side-mount power unit. This provides the convenience and ease-of-maintenance of a remote power pack with the space savings of an integrated power unit.



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.

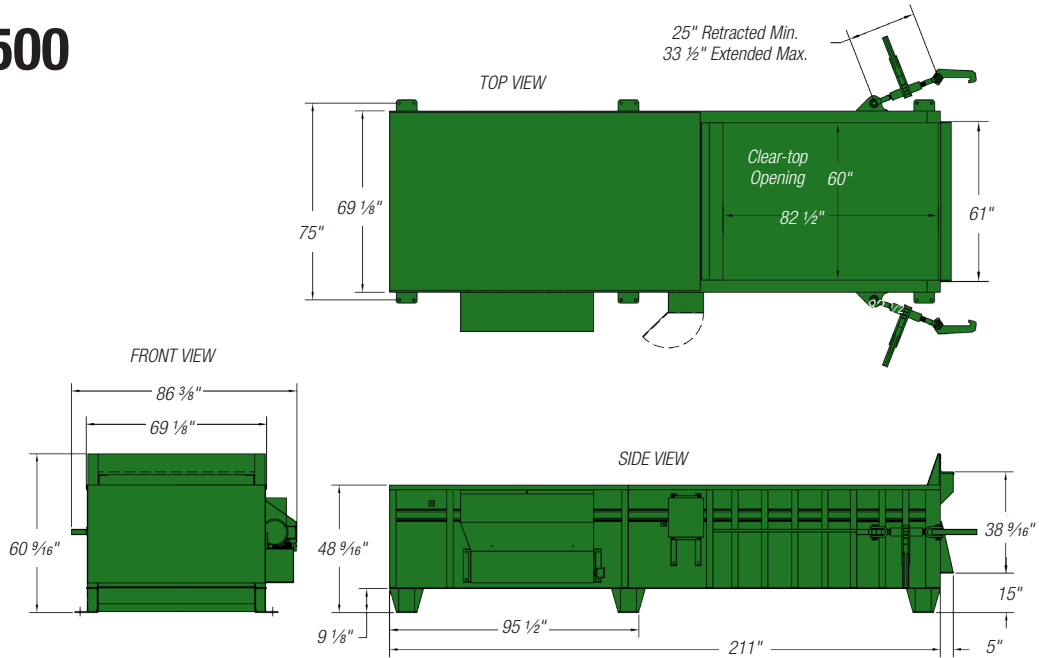
Control Station

The RJ-500 and RJ-500HD feature an advanced, simplified 3-button control system. It is 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.

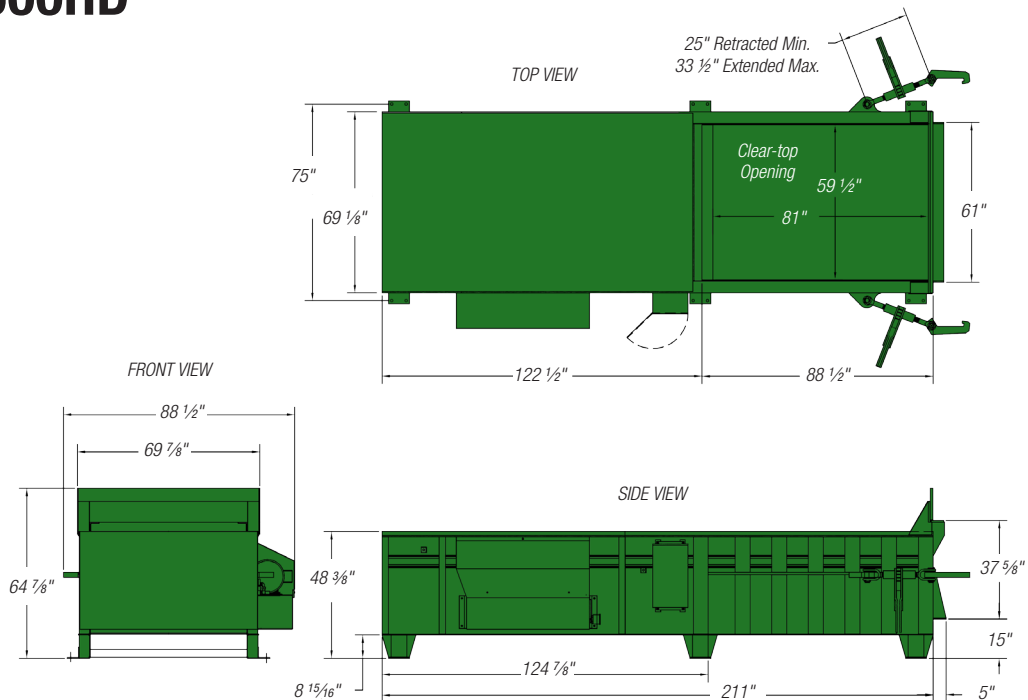


Dimensions

RJ-500



RJ-500HD



RJ-500 & RJ-500HD Stationary Compactors

Specifications:	RJ-500	
Charge Box Capacity		
[Mfr. Rating]	3.5 cu. yd.	2.68 m ³
[NSWMA Rating]	3.17 cu. yd.	2.42 m ³
Clear Top Opening (L x W)	82 ½" x 60"	2096 mm x 1524 mm
Performance:		
Cycle Time	52 sec.	52 sec.
Total Normal Force	65,400 lbs.	291 kN
Total Maximum Force	76,900 lbs.	342 kN
Normal Ram Face Pressure	36.9 psi	255 kPa
Maximum Ram Face Pressure	43.4 psi	300 kPa
Ram Penetration	13 ½"	343 mm
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		
3-Button Controls: Keylock Start, Stop, Reverse		
Hydraulic Equipment:		
Pump Capacity	18.5 gpm	70 liters/min
Normal Pressure	1,700 psi	117 bar
Maximum Pressure	2,000 psi	138 bar
Switch Pressure	1,300 psi	90 bar
Hydraulic Cylinder (Bore)	7"	178 mm
Hydraulic Cylinder (Rod)	4"	102 mm
Hydraulic Cylinder (Stroke)	98"	2,489 mm
Structural Characteristics:		

Specifications:	RJ-500HD	
Charge Box Capacity		
[Mfr. Rating]	3.4 cu. yd.	2.6 m ³
[NSWMA Rating]	3.12 cu. yd.	2.39 m ³
Clear Top Opening (L x W)	81" x 59 ½"	2058 mm x 1511 mm
Performance:		
Cycle Time	53 sec.	53 sec.
Total Normal Force	84,600 lbs.	376 kN
Total Maximum Force	96,200 lbs.	428 kN
Normal Ram Face Pressure	48.2 psi	332 kPa
Maximum Ram Face Pressure	54.8 psi	378 kPa
Ram Penetration	13 ½"	343 mm
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		
3-Button Controls: Keylock Start, Stop, Reverse		
Hydraulic Equipment:		
Pump Capacity	18.5 gpm	70 liters/min
Normal Pressure	2,200 psi	152 bar
Maximum Pressure	2,500 psi	172 bar
Switch Pressure	1,300 psi	90 bar
Hydraulic Cylinder (Bore)	7"	178 mm
Hydraulic Cylinder (Rod)	4"	102 mm
Hydraulic Cylinder (Stroke)	98"	2,489 mm
Structural Characteristics:		

Please contact your RSM for structural specs.

Please refer MarathonEquipment.com for the online brochure with the most up-to-date information.



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.



Stationary and self-contained compactors.

Authorized Dealer:

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**.



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NJPA Contract #060612-ESG



National Waste & Recycling Association
 Collect. Recycle. Innovate.



Environmental Solutions Group
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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.