

RAMJET RJ-30

High Density Compactor Extruder

Totally

Listed!



The RJ-30 Full of Features and Benefits

- ▼ Marathon's **RJ-30** features a patented curved tube and hydraulic choker that discharges a densely compacted log of refuse into any size and type receiving container. Because of the exclusive "S" shaped tube, the **RJ-30** achieves higher compaction ratios than any other compactor available!
- ▼ The material is compacted in the equipment and not in the container making unloading fast and easy. The container is not attached to the **RJ-30** which also saves time and eliminates spillage.



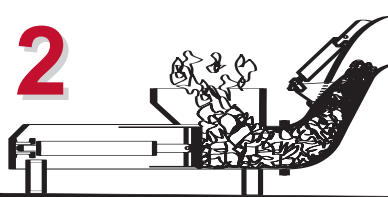
The RJ-30 is perfect for through-the-wall installations. Here the unit is fed from inside a building and the densely compacted log of waste is discharged on the opposite side of the wall.

- ▼ The RJ-30 is Totally UL Listed and manufactured in strict accordance with ANSI Z245.21 Standards.
- ▼ The RJ-30 is built tough for years of trouble-free service. The body and ram is constructed of heavy steel plate and the hydraulic power unit (available mounted on the unit or separate) incorporates the latest technology for smooth operation and reduced noise levels.

How the RJ-30 Extruder Works:



The packing ram forces materials from the charge box area into the patented "S" curve tube. Friction develops as it contacts the first part of the curve which starts the compaction process.



As material passes under the patented spring-loaded choker or restricter, resistance increases causing a dense log of refuse to develop. The spring-loaded choker allows the unit to handle a variety of waste materials.



As waste enters the charge box, the ram pushes the forming log to the top of the "S" tube. This forces it from a vertical direction back to horizontal to form a continuous log throughout the "S" tube. Eighteen to twenty-four inch logs of refuse are gravity fed into the container.

Specifications:

Charge Box Capacity
 [WASTEC Rating]0.28 cy.....0.21 m³
 Clear Top Opening30.5" X 28"775mm x 711mm
 Capacity per Hour32 cy.....25m³

Performance Characteristics:

Cycle Time32 s32 s
 Total Normal Force.....46,200 lb206 kN
 Total Maximum Force.....57,700 lb257 kN
 Normal Ram Face Pressure.....128.3 psi.....885 kPa
 Maximum Ram Face Pressure...160.3 psi.....1105 kPa

Electrical Equipment:

Electrical Motor
 3/60-208/230/460.....15 hp.....11.2 kW
 Electrical Control Voltage.....120 VAC.....120 VAC

UL Labeled Panel Box: Type NEMA, All Circuits Fused
 Standard Controls: Keylock Start/ Mushroom Stop/Reverse
 Mounted in face of electrical panel box

Hydraulic Equipment:

Hydraulic Pump Capacity18.5 gpm.....70 L/min.
 Normal Pressure1200 psi.....83 bar
 Maximum Pressure1500 psi.....103 bar
 Hydraulic Cylinder7" Bore x 4" Rod....178 mm x 102 mm
Weight.....3,300 lbs.....1497 kg

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Versatility of Installations

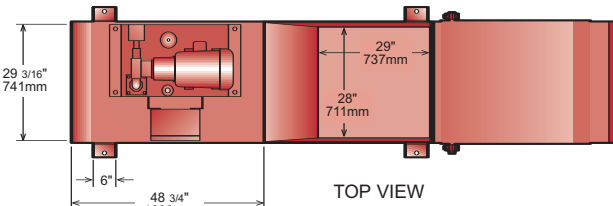
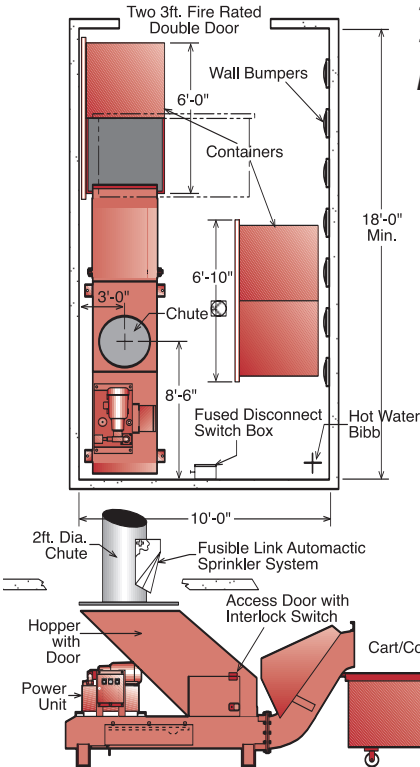


The **RJ-30** can be used in a variety of applications such as deliquifying and recovery of material such as outdated beverage containers, oil filters, reject oil cans, and dairy products. The above unit is equipped with a reservoir tank to collect extracted liquids.

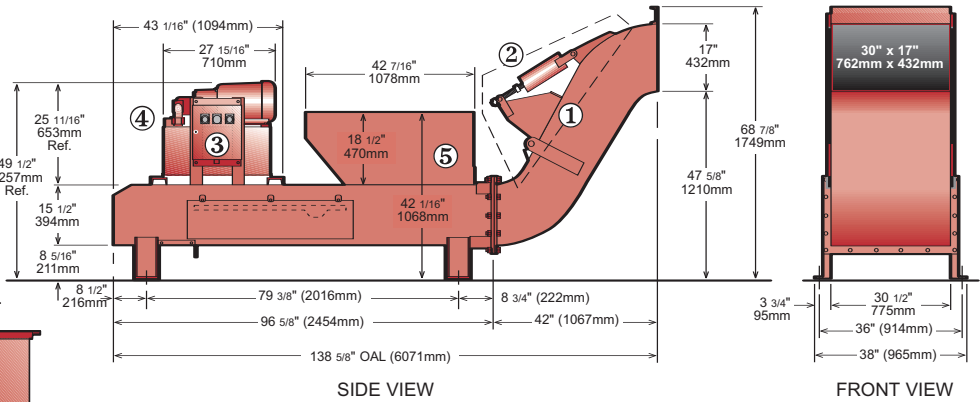
The **RJ-30** is also ideal for multi-story apartment buildings. This unit is fed by a chute system. The optional photoelectric cycle control senses when trash is in the hopper and causes the unit to cycle automatically!



Typical Trash Room



- ① Choker
- ② Choker Cover
- ③ Control Box
- ④ Power Unit
- ⑤ Hopper



MARATHON EQUIPMENT COMPANY



P.O. Box 1798 • Vernon, AL 35592-1798 USA • (205) 695-9105 fax (205) 695-7250 **1-800-633-8974**
 130 Hwy. 339 • Yerington, NV 89447 USA • (775) 463-4030 fax (775) 463-4531 **1-800-624-5724**
 1102 Industrial Park Rd. • Clearfield, PA 16830 USA • (814) 765-0200 fax (814) 765-2072 **1-800-922-7062**

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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 Regulation Z245.21, all OSHA standards, and certified under WASTEC's Stationary Compactor Certification Program. Products must be used with safe practice and in accordance with said regulations and standards.