

# High-Volume Transfer Systems



*BlokPak 3000*

*Process up to 90 tons per hour*

*Compact materials directly into transfer trailers*

*Multiple options available to suit your application*



*M-Series compactor*

**RAMJET**   
Stationary and self-contained compactors.



**Environmental Solutions Group**

A DOVER COMPANY

## Transfer Stations

Regional/Municipal

Convenience Centers

Recycling Centers

Long Distance

Highway & Rail

Transport Systems

## BlokPak 3000®

The BlokPak 3000 is Marathon's largest transfer system compactor. It compacts waste against a vertical gate, forming a 10-foot (3-meter) log in the compaction chamber. Each log is then ejected into the transfer trailer. The BlokPak continues this process until maximum payload is achieved. When the trailer is full, the BlokPak can continue to be fed while changing trailers, saving valuable time.



Marathon offers transfer system compactors that process up to 90 tons per hour.



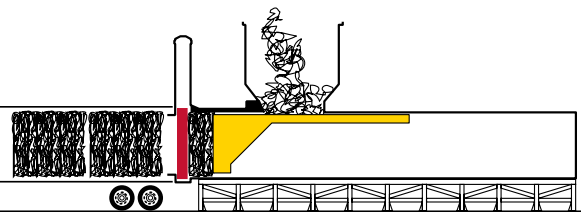
The BlokPak forms 10-foot (3-meter) logs of densely packed waste.



The BlokPak has a 5-foot (1,5- meter) ram penetration. This ejects the final log into the trailer with very little spillage.



The BlokPak control station features the Maestro™ color touch-screen interface, which provides programming and diagnostics for the unit.



The BlokPak has a compaction chamber that densely compacts the waste before it's ejected into the transfer trailer. This enables much lighter duty, open-top trailers to be used.

Specifications			
<b>Structure Size</b>	53'7"L x 11'7"W x 17'4.5"H 17094mm x 3531mm x 5296mm	<b>Ram Penetration</b>	60" into trailer 1524mm into trailer
<b>Charge Box</b>	100"L x 75"W x 95"H 2540mm x 1905mm x 2413mm	<b>Max. System Pressure</b>	3000 psi 206 bar
<b>Compaction Chamber</b>	107"L x 78"W x 79"H 2718mm x 1981mm x 2007mm	<b>Main Cylinder Stroke</b>	288" 7315mm
<b>Ram Cylinder</b>	10" 254mm	<b>Main Pump Flow</b>	200 gpm (regen) 757 liters/min.
<b>Ram Force</b>	235,600 106,868 kg	<b>Reservoir Capacity</b>	400 gallons
<b>Ram Pressure</b>	36 psi 2.5 bar	<b>Oil Cooler</b>	Air to Oil
<b>Output Rate</b>	Up to 90 tph (continuous) Up to 81.6 mtph	<b>Main Control Panel</b>	UL® Listed, 120 VAC
<b>Output Log Size</b>	78"W x 79"H x Variable 1981mm x 2007 x Variable	<b>Main Motor</b>	100 HP 74.6kw
		<b>Main Voltage</b>	460 VAC, 3-Phase
		<b>Controller</b>	Programmable Color Touch-Screen

## M-Series Compactors

Marathon M-Series Compactors are built tough for the high demands of transfer stations or heavy industrial applications. These compactors can be mounted on a platform to compact directly into the transfer trailer. Extended snouts can also be added to aid in clean breakaways.



Model	Capacity	Overall Dimensions	Clear-Top	Weight	Ram Pen.
<b>M-450X</b>	4.5 cy.	202"L x 81.5" x 72.5"H	70" x 56"	16,000 lbs.	18"
		5131mm x 2070mm x 1842mm	1778mm x 1422mm	7257 kg	457mm
<b>M-600XW</b>	6 cy.	202"L x 101.5" x 72.5"H	70" x 76"	20,000 lbs.	18"
		5131mm x 2578mm x 1842mm	1778mm x 1930mm	9072 kg	457mm
<b>M-600X</b>	6 cy.	252"L x 81.5" x 72.5"H	94" x 56"	21,000 lbs.	20"
		6401mm x 2070mm x 1842mm	2388mm x 1422mm	9525 kg	508mm
<b>M-800XW</b>	8 cy.	252"L x 101.5W" x 72.5"H	94" x 76"	24,000 lbs.	20"
		6401mm x 2578mm x 1842mm	2388mm x 1930mm	10886 kg	508mm

## Specifications

One Packer Module and one Cylinder and Power Module complete an Extra Heavy-Duty Unit.

### Cylinder & Power Module

Model	Capacity: Cy/Hr		Cylinder	hp	gpm	Pump	Cycle Time	Max. Forces	Max. psi
<b>M-450X &amp; M-600XW</b>	(450X) 223 171 cu. meters	(600XW) 309 236 cu. meters	7	20 14.9kw	18 68 lpm	Gear	49 sec.	96,200 lbs. 43636 kg	2,500 172 bar
	(450X) 413 316 cu. meters	(600XW) 560 428 cu. meters		20 14.9kw	50 189 lpm				
	(450X) 172 132 cu. meters	(600XW) 236 180 cu. meters	8	20 14.9kw	18 68 lpm	Gear	64 sec.	125,700 lbs. 57017 kg	2,500 172 bar
	(450X) 294 225 cu. meters	(600XW) 398 304 cu. meters		20 14.9kw	50 189 lpm				
<b>M-600X &amp; M-800XW</b>	(600X) 236 180 cu. meters	(800XW) 309 236 cu. meters	7	20 14.9kw	18 68 lpm	Gear	63 sec.	96,200 lbs. 43636 kg	2,500 172 bar
	(600X) 432 330 cu. meters	(800XW) 566 433 cu. meters		20 14.9kw	50 189 lpm				
	(600X) 344 263 cu. meters	(800XW) 450 344 cu. meters	8	20 14.9kw	50 189 lpm	Gear	43 sec.	125,700 lbs. 57017 kg	2,500 172 bar
	(600X) 521 398 cu. meters	(800XW) 683 522 cu. meters		30 22.4kw	75 284 lpm				
<b>M-1050XW</b>	—	508 388 cu. meters	9	30 22.4kw	75 284 lpm	Vane	51 sec.	159,000 lbs. 72122 kg	2,500 172 bar
	—	665 508 cu. meters		50 37.28kw	100 379 lpm				
	—	1234 944 cu. meters	50 37.28kw	125 473 lpm	9	21 sec.	190,900 lbs. 86592 kg	3,000 206 bar	
<b>M-1475XW</b>	—	720 551 cu. meters	9	30 22.4kw					75 284 lpm
	—	942 720 cu. meters		50 37.28kw	100 379 lpm	9	39 sec.	159,000 lbs. 72122 kg	2,500 172 bar
	—	1749 1337 cu. meters	50 37.28kw	125 473 lpm	9				

**DESCRIPTION:** Packer module includes Packer Assembly, Ram Assembly, and Ratchets with Grab Claw. The model number of the Cylinder and Power Module designates the cylinder size (either 7" or 8") and the Horsepower/gpm of the power unit. (Example: 2018G means 20 hp/18 gpm. The G indicates Gear Pump. A "V" indicates Vane Pump).

For more information or to order, call 1-800-633-8974 or visit us at [www.marathonequipment.com](http://www.marathonequipment.com).

## Installations



This transfer station, located in Salem, VA, features two BlokPak 3000 compactors for non-stop processing as well as added redundancy. They are fed from a tipping floor.



The BlokPak 3000® fits nicely into existing transfer stations with over-the-top feed systems such as this one located in Black Foot, ID.



This M-1475XW Transfer Station Compactor is fed via a tipping floor and features the Scissor trailer connection system.



Transfer station compactors can be configured with custom hoppers and feed systems.



The BlokPak control station features a color touch-screen interface. This installation also has an integrated weighing system that displays the accumulating weight on-screen and on overhead monitors while the waste is being processed.



## Rawhide™

The Rawhide is a special option that can be applied to the M-Series 1475 Compactor. It has a 48-inch (1219mm) ram penetration that is especially beneficial for packing out transfer trailers for a clean breakaway.

### Packer Specifications

Model	Capacity	Overall Dimensions	Clear-Top	Weight	Ram Pen.
<b>M-1050XW</b>	10.5 cy.	318"L x 101.5W" x 76"H 8077mm x 2578mm x 1930mm	123" x 76" 3124mm x 1930mm	33,000 lbs. 14969 kg	25" 635mm
<b>M-1475XW</b>	15 cy.	318"L x 101.5W" x 90"H 8077mm x 2578mm x 2286mm	123" x 76" 3124mm x 1930mm	36,000 lbs. 16329 kg	25" 635mm
<b>M-1475 RAWHIDE</b>	15 cy.	341.5"L x 101.5W" x 90"H 8674mm x 2578mm x 2286mm	123" x 76" 3124mm x 1930mm	37,300 lbs. 16919 kg	48" 1219mm

### Optional Equipment

Marathon's Transfer System Compactors can be fitted with a variety of options, such as trailer connection systems, to suit your application. The hydraulic scissor extends to connect to the trailer's bumper. The hydraulic grab claws hold the trailer, using their side pockets. Marathon also manufactures EZ-TRAX® Conveyors for an efficient way to feed your transfer system. Load cells can be utilized to keep track of the weight as the compaction trailer is being loaded to maximize payloads.

### 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.**



Extending Hydraulic Scissor Connector



Hydraulic Grab Claws



EZ-TRAX Conveyor System



Load Cell Weighing System

# RAMJET

Stationary and self-contained compactors.

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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.