

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
* Shown with optional Rawhide package*

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. This unique design eliminates the need for expensive ejection type trailers.



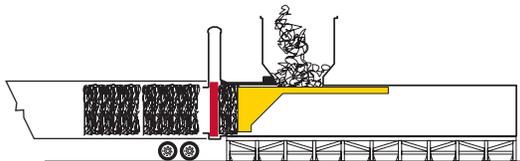
Marathon offers transfer system compactors that process up to 90 tons per hour.



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 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			
Structure Size	53'7"L x 11'7"W x 17'4.5"H 17094mm x 3531mm x 5296mm	Ram Penetration	60" into trailer 1524mm into trailer
Charge Box	99 1/2"L x 75"W x 95"H 2527mm x 1905mm x 2413mm	Max. System Pressure	3000 psi 207 bar
Compaction Chamber	107"L x 78"W x 79"H 2718mm x 1981mm x 2007mm	Main Cylinder Stroke	288" 7315mm
Ram Cylinder	10" 254mm	Main Pump Flow	200 gpm (regen) 757 liters/min.
Ram Force	235,600 106,868 kg	Reservoir Capacity	400 gallons
Ram Pressure	36 psi 2.5 bar	Oil Cooler	Air to Oil
Output Rate	Up to 90 tph (continuous) Up to 81.6 mtph	Main Control Panel	UL® Listed, 120 VAC
Output Log Size	78"W x 79"H x Variable 1981mm x 2007 x Variable	Main Motor	100 HP 74.6kw
		Main Voltage	460 VAC, 3-Phase
		Controller	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.



* Shown with optional Rawhide package

Model	Capacity	Overall Dimensions	Clear-Top	Weight	Ram Pen.
M-450X	4.5 cy.	202"L x 72 3/4" x 73 1/2"H	70" x 56"	16,000 lbs.	17"
		5131mm x 1848mm x 1867mm	1778mm x 1422mm	7257 kg	432mm
M-600XW	6 cy.	202"L x 92 3/4" x 73 1/2"H	70" x 76"	20,000 lbs.	17"
		5131mm x 2356mm x 1867mm	1778mm x 1930mm	9072 kg	432mm
M-600X	6 cy.	252"L x 72 3/4" x 73 1/2"H	94" x 56"	20,000 lbs.	19"
		6401mm x 1848mm x 1867mm	2388mm x 1422mm	9072 kg	483mm
M-800XW	8 cy.	252"L x 92 3/4" x 73 1/2"H	94" x 76"	24,000 lbs.	19"
		6401mm x 2356mm x 1842mm	2388mm x 1930mm	10886 kg	483mm

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	Cycle Time	Max. Forces	Max. psi
M-450X & M-600XW	(450X) 223 171 cu. meters	(600XW) 309 236 cu. meters	7	20 14.9kw	18.5 70 lpm	48 sec.	96,200 lbs. 428 kN	2,500 172 bar
	(450X) 413 316 cu. meters	(600XW) 560 428 cu. meters	7	20 14.9kw	50 189 lpm	26 sec.	96,200 lbs. 428 kN	2,500 172 bar
	(450X) 172 132 cu. meters	(600XW) 236 180 cu. meters	8	20 14.9kw	18.5 70 lpm	62 sec.	125,600 lbs. 559 kN	2,500 172 bar
	(450X) 294 225 cu. meters	(600XW) 398 304 cu. meters	8	20 14.9kw	50 189 lpm	33 sec.	125,600 lbs. 559 kN	2,500 172 bar
M-600X & M-800XW	(600X) 236 180 cu. meters	(800XW) 309 236 cu. meters	7	20 14.9kw	18.5 70 lpm	62 sec.	96,200 lbs. 428 kN	2,500 172 bar
	(600X) 432 330 cu. meters	(800XW) 566 433 cu. meters	7	20 14.9kw	50 189 lpm	34 sec.	96,200 lbs. 428 kN	2,500 172 bar
	(600X) 344 263 cu. meters	(800XW) 450 344 cu. meters	8	20 14.9kw	50 189 lpm	43 sec.	125,600 lbs. 559 kN	2,500 172 bar
	(600X) 521 398 cu. meters	(800XW) 683 522 cu. meters	8	30 22.4kw	75 284 lpm	29 sec.	150,700 lbs. 670 kN	3,000 206 bar
M-1050XW	—	508 388 cu. meters	9	30 22.4kw	75 284 lpm	51 sec.	159,000 lbs. 707 kN	2,500 172 bar
	—	665 508 cu. meters	9	50 37.28kw	100 379 lpm	38 sec.	159,000 lbs. 707 kN	2,500 172 bar
	—	1234 944 cu. meters	9	50 37.28kw	125 473 lpm	20 sec.	190,800 lbs. 849 kN	3,000 206 bar
M-1475XW	—	720 551 cu. meters	9	30 22.4kw	75 284 lpm	51 sec.	159,000 lbs. 707 kN	2,500 172 bar
	—	942 720 cu. meters	9	50 37.28kw	100 379 lpm	39 sec.	159,000 lbs. 707 kN	2,500 172 bar
	—	1749 1337 cu. meters	9	50 37.28kw	125 473 lpm	21 sec.	190,900 lbs. 849 kN	3,000 206 bar

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.

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 1050 and 1475 Compactors. 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.
M-1050XW	10.5 cy.	318"L x 92 3/4"W x 77"H 8077mm x 2356mm x 1876mm	122 1/2" x 76" 3112mm x 1930mm	30,000 lbs. 13608 kg	24 1/2" 622mm
M-1475XW	15 cy.	318"L x 92 3/4"W x 91"H 8077mm x 2356mm x 2312mm	123" x 76" 3124mm x 1930mm	33,000 lbs. 14969 kg	24" 610mm
M-1475 RAWHIDE	15 cy.	341.5"L x 101.5"W x 90"H 8674mm x 2578mm x 2286mm	123" x 76" 3124mm x 1930mm	35,900 lbs. 16284 kg	47 1/2" 1207mm



Extending Hydraulic Scissor Connector



Hydraulic Grab Claws

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 vertical pin latch. 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.



EZ-TRAX Conveyor System



Load Cell Weighing System

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

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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