

From: lschaal@sbcglobal.net
Sent: Thursday, August 13, 2009 2:36 PM
To: MacDonald, Terry
Cc: lschaal@sbcglobal.net
Subject: FW: [focus_solar] Solar-Powered Waste Compactors [2 Attachments]
Terry,
Please forward to Recycling Task Force members- thanks hope all is well.

Hmmm interesting- now were talking business! Solar, recycling and waste management all rolled into one and they are eligible for Cash Back Rewards by Focus on Energy!! Right up my alley...

J

Not to mention they are a WI owned company- Milwaukee Shines maybe interested in this also.

UrbanRe Vitalization Group LLC
3260 N Humboldt Blvd
Milwaukee WI 53212
414-231-3291
414-364-5422(cell)
www.urbanrevitalizationgroupllc.com
info@urevitalize.org

Lisa Schaal
President

See attached for some solar powered waste compactors.

They, like off grid lighting systems, would be eligible for a Focus on Energy Cash Back reward if:

- there is an electric meter paying into the Focus Program at the installation site
- the total module capacity installed at one site is more than 500 watts
- all our other normal requirements

The compactors are sold by at least one company in WI, J-MEC Equipment, which is located in Lake Mills.

They contacted us.

Contact information for them:

Ryan Simmons

Sales Manager

J-Mec Inc.

Cell: (920) 605-0061 | Fax: (920) 648-6649

Web site: www.jmecinc.com

2 of 2 File(s)

 [GreenBuilt-Full_Product_Line.pdf](#)  [WM Solar Trash Compactor Sales Sheet 4-29-09.pdf](#)

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Version: 8.5.392 / Virus Database: 270.13.45/2286 - Release Date: 08/06/09 18:17:00

GreenBuilt®

Marathon Leads the Way...

with environmentally friendly options, our solution for reducing energy consumption and noise pollution



GreenBuilt®
for our environment.

- ▼ Solar Power Units
- ▼ 5 HP High Efficiency Submerged Power Unit
- ▼ Cushioned Ground Rollers
- ▼ Biodegradable Hydraulic Fluid

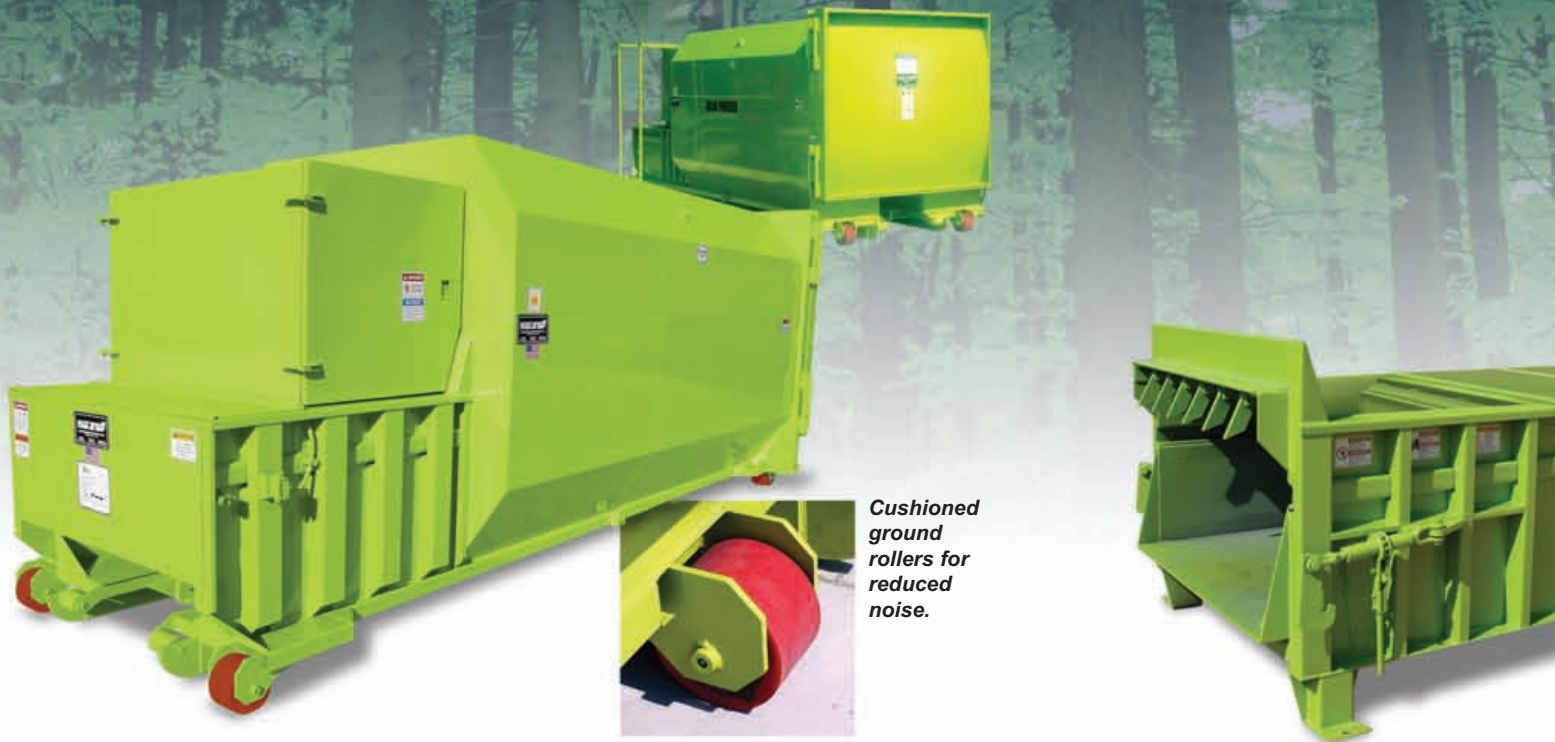


GreenBuilt...

by Marathon Equipment

"Marathon makes exceptional compactors, and our solar powered power units exceed our expectations. They allow us to reduce our utility costs, reduce the number and frequency of pickups and provide flexibility in how we use the compactors and where we place them."

– Dave Miller, Illinois National Guard, Environmental Branch



Cushioned ground rollers for reduced noise.

GreenBuilt Self-Contained Compactors

- ▼ 5 HP High Efficiency Submerged Power Unit or Solar Power Unit
- ▼ Biodegradable hydraulic fluid
- ▼ Cushioned ground rollers
- ▼ **Other features:** Universal 37" Double-End Pick-Up Understructure; Programmable PLC; Push Button Controls mounted in Panel Box Face; CYCON Life-Xtender® System; Quick Disconnects; Full Door Seal; Qwik Clean® Tank flushes area behind ram; 12" deep sump area for liquid retention.

*Except HT models

GreenBuilt Stationary Compactors

- ▼ 5 HP High Efficiency Submerged Power Unit or Solar Power Unit
- ▼ Biodegradable hydraulic fluid
- ▼ **Other features:** Push Button Control Station mounted on 13' Sealtite; Ratchets with Grab Claws; and External Reset Button in Panel Box Face.

Environmentally Friendly Products

Marathon Equipment is aware of global sustainability and environmental impact with regard to our products. With each new product we have made measurable strides in reducing energy and fuel consumption while continuing to offer superior compaction for maximum payloads. Marathon sets the standard with **GreenBuilt®** product options.



Motor compartment of a GreenBuilt VIP

GreenBuilt Vert-I-Pack®

- ▼ Solar Power Unit
- ▼ Biodegradable hydraulic fluid
- ▼ **Other features:** Reversible Compactor Assembly with Interchangeable Leg/Platform Assembly*; Full Container Light; and Container.

*4-, 6-, & 8 - cubic yard FL only

GreenBuilt PAK'NTAINER®

- ▼ Solar Power Unit
- ▼ Biodegradable hydraulic fluid

GreenBuilt Vertical Baler

- ▼ 5 HP High Efficiency Submerged Power Unit
- ▼ Biodegradable hydraulic fluid
- ▼ **Other features:** Automatic Feed Door for hands-free loading; Side-mounted Power Unit for easy access and maintenance; Redundant Interlock System; Programmable PLC; Front Facing Push Button Control Panel; Conventional Bale Tie-Off System; and Heavy-Duty Structure. Available optional wire guides for front tie-off and automatic bale ejector.





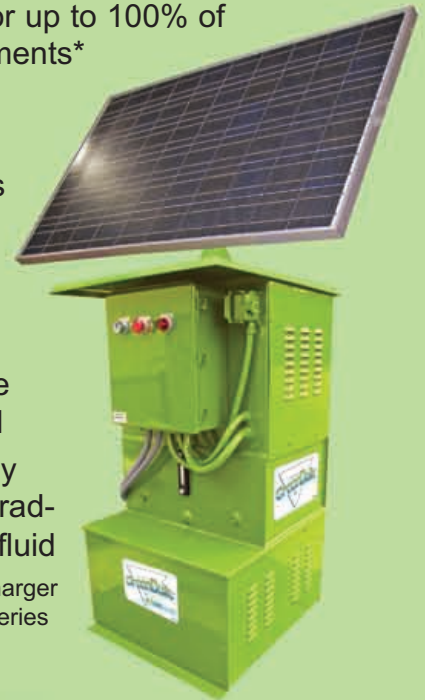
GreenBuilt Dual Recycling Compactor

- ▼ 5 HP High Efficiency Submerged Power Unit or Solar Power Unit
- ▼ Biodegradable hydraulic fluid
- ▼ Cushioned ground rollers
- ▼ **Other features:** Multi-purpose compactor with two variable capacity compartments for two types of waste/recyclables; Patented **Flex-D-Vider**[®], a pivoting steel wall that automatically adjusts the compartments' capacity during loading; Four individual doors for controlled discharge of compacted material.

Solar Power Unit

- ▼ Solar panels for up to 100% of power requirements*
- ▼ DC powered hydraulics
- ▼ Performance is comparable to comparable 10 HP power units
- ▼ No three phase power required
- ▼ Environmentally friendly biodegradable hydraulic fluid

* 120 VAC backup charger used to charge batteries when needed



5 HP High Efficiency - Variable Displacement Power Unit

- ▼ 5 HP energy efficient unit with submerged variable displacement pump
- ▼ Environmentally friendly biodegradable hydraulic fluid
- ▼ Offers speed and performance comparable to 10 HP units while using 50% less power



GreenBuilt Specifications

GreenBuilt 5 HP Power Unit Specs

Electric Motor 3/60/208-230/460 – 5 HP (3.7 kW)
Electric Control Voltage – 120 VAC
Key Operated Control Station – All Circuits Fused
Hydraulic Pump – 11 GPM HiLo (41.6 L/min)
Pressures & Forces – same as standard units
Hydraulic Fluid – Biodegradable

GreenBuilt Solar Power Unit Specs

Electric Motor – 24 Volt DC
 (2 for SC's and 1 for VIP and PAK'NTAINER)
Batteries – Powered stored in 4 premium deep cycle batteries (2 for VIP)
Charger – 120 VAC backup charger used to charge batteries when needed
Key Operated Control Station – All Circuits Fused
Hydraulic Pump(s) – 4 GPM Each Motor
 (Variable)(15.2 L/min)
 (2 for SC's and 1 for VIP)
Pressures & Forces – same as standard units
Hydraulic Fluid – Biodegradable

GreenBuilt Self-Contained Compactor Specifications

Model	Container Capacities*	*Charge Box Capacity	Feed Opening	System Pres-Norm.	System Pres-Max.	Force Rate-Norm	Force Rate-Max	5 HP Cycle Time	Solar Cycle Time**
RJ-88 SC	15, 20, & 24 cy.	0.7 cy.	30 1/2" x 48"	1,700 psi	2,000 psi	36,600 lbs.	43,100 lbs.	25 sec.	34 sec.
RJ-88 HT	16, 20, & 24 cy.	0.7 cy.	30 1/2" x 48"	1,700 psi	2,000 psi	36,600 lbs.	43,100 lbs.	25 sec.	34 sec.
RJ-100 SC	30, & 34 cy.	1.32 cy.	35" x 60"	1,850 psi	2,300 psi	36,300 lbs.	45,200 lbs.	36 sec.	50 sec.
RJ-250 SC	15, 20, 25, 30, 34, & 39 cy.	1.31 cy.	41" x 58"	1,850 psi	2,300 psi	39,900 lbs.	49,500 lbs.	32 sec.	43 sec.
RJ-250 HT	25, & 29 cy.	1.31 cy.	41" x 58"	1,850 psi	2,300 psi	39,900 lbs.	49,500 lbs.	32 sec.	43 sec.
DRC II	8.4 – 19.6 cy. per compart.	1.79 cy.	34 1/2" x 48"		2,000 psi		31,800 lbs.	36 sec.	49 sec.

GreenBuilt Stationary Compactor Specifications

Model	*Charge Box Capacity	Feed Opening	System Pres-Norm.	System Pres-Max.	Force Rate-Norm	Force Rate-Max	5 HP Cycle Time	Solar Cycle Time**
RJ-225	1.55 cy.	40 1/2" x 60"	1,650 psi	1,950 psi	46,700 lbs.	55,100 lbs.	69 sec.	95 sec.
TC-220T TANK	1.44 cy.	42" x 58"	2,000 psi	2,000 psi	54,500 lbs.	54,500 lbs.	49 sec.	67 sec.
TC-225T TANK	1.82 cy.	53 1/2" x 58"	2,000 psi	2,000 psi	54,500 lbs.	54,500 lbs.	59 sec.	81 sec.

GreenBuilt Vert-I-Pack® & PAK'NTAINER® Specifications

Model	Collection Vehicle Type	Container Capacities	Charge Box Capacity*	Feed Opening	System Pres-Norm.	System Pres-Max.	Force Rate-Norm	Force Rate-Max	Solar Cycle Time**
Front Feed VIP	FL	3, 4, 6 & 8 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
Rear Feed VIP	FL	4, 6 & 8 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
Side Feed VIP	FL	3, 6 & 8 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
Front Feed VIP	RL	4 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
Rear Feed VIP	RL	4 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
Untouchable VIP	FL	2.5 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
VIP FL/3	FL	3 cy.	0.54 cy.	23 1/2" x 46"	2,100 psi	2,400 psi	26,400 lbs.	30,200 lbs.	24 sec.
PAK'NTAINER	FL/RL	4 & 6 cy.	0.5 cy.	22 1/2" x 46"	2,100 psi	2,400 psi	19,800 lbs.	19,800 lbs.	22 sec.

FL = Front Loader collection trucks RL = Rear Loader collection trucks

GreenBuilt Vertical Baler Specifications

Model	Bale Size	Bale Weight (OCC)	Feed Opening	System Pressure	System Pres-Max.	Platen Force	Platen Pressure	5 HP Cycle Time
V-6030HD	60"W x 30"D x 48"H	Up to 1,100 lbs.	60" x 25"	2,000 psi	2,200 psi	56,550 lbs.	34 psi	54 sec.
V-7230HD	72"W x 30"D x 48"H	Up to 1400 lbs.	72" x 25"	2,000 psi	2,200 psi	56,550 lbs.	29 psi	54 sec.

* WASTEC Rating

** Cycle time may vary because of battery charge level.



This major retailer is one of the first to adopt a "green" policy that included compaction equipment. This installation features a RJ-100 SC with a Solar Power Unit and Cushioned Ground Rollers.



This **GreenBuilt**® 5 HP high efficiency submerged power unit runs a RAMJET 3 cubic yard **TANK**® located at a manufacturing facility. It provides the same speed and performance as its 10 HP predecessor.

The solar panels for this GreenBuilt RJ-250SC is mounted on the roof. Solar panels can be placed as much as 100 feet from the power unit.



This solar powered power unit runs a Vert-I-Pack (VIP) at a national fast food restaurant. The solar energy is used to recharge two premium deep cycle batteries.



This GreenBuilt RJ-250SC has a 5 HP high efficiency power unit and is located inside. Pulling the compactor is made easy with the double-end pickup feature.



MarathonEquipment.com



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**

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 Z245.2, 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.

