



# ***SCRAP LIFTING MAGNETS***

***Over 115  
Years of***

**SCRAP  
HANDLING  
EXPERIENCE**

**Bux Schrader**

**Cutler Hammer**

**EC & M**

**National  
Electric Coil**

**Square D**

**Walker  
National**

**O.S. Walker**



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## **Walker Magnetics**

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FAX (508)852-8649

## **Walker National**

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***[www.walkermagnet.com](http://www.walkermagnet.com)***

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# SCRAPMASTER II

## CAST CASE, DEEP-FIELD ALUMINUM OR COPPER COIL

The Walker Scrapmaster II Series has been designed specifically to fit the needs of scrap processing operations. From a utilitarian 40" to a giant 100", magnet diameters and weights were selected to maximize the lifting capabilities of standard scrap handling cranes. The high lift-to-weight ratio of these magnets allows the movement of more and heavier scrap.

The Scrapmaster II Series magnet has a rugged ribbed case, heavy manganese steel bottom plate, welded watertight construction and tough alloy steel chains for maximum durability. All elements are designed for top operating efficiency, with deadweight engineered out.

- ☐ 75% duty cycle
- ☐ 230 V.D.C. Standard  
Dual Voltage models available
- ☐ Class H insulation utilized for layer-to-layer, turn-to-turn, coil-to-case insulation
- ☐ Greater all-day lifts
- ☐ High lift-to-weight ratio
- ☐ Rugged cast steel case
- ☐ Alloy steel chains for greater life and maximum durability
- ☐ Triple sealed terminal boxes

SPECIFICATIONS								LIFTING CAPACITY (lbs.)		
Model	Dia.	Approx. wt. (lbs.)	D.C. Voltage	Amps (cold)	Generator (KW)	Controller (amps)	Minimum Cable Size	#1 Heavy Melting	#2 Heavy Melting	Steel Turnings
40D	40"	1,800	230	35	10	50	#8	0 - 900	0 - 600	0 - 375
45DSH	45"	2,700	230	43	10	50	#8	0 - 1,500	0 - 1,030	0 - 480
48D	48"	2,900	230	58.5	15	75	#8	0 - 1,750	0 - 1,160	0 - 600
54DSH	54"	4,150	230	63	15	75	#6	0 - 2,560	0 - 1,660	0 - 730
57D	57"	4,400	230	75	20	75	#6	0 - 2,700	0 - 1,800	0 - 850
63DSH	63"	6,180	230	82	20	100	#4	0 - 3,970	0 - 2,580	0 - 1,230
66D	66"	6,400	230	91	30	100	#4	0 - 4,100	0 - 2,750	0 - 1,350
69DSH	69"	8,000	230	99	30	100	#4	0 - 4,520	0 - 3,000	0 - 1,360
72D	72"	8,300	230	113	30	125	#4	0 - 4,700	0 - 3,150	0 - 1,500
78D	78"	10,300	230	126	30	150	#2	0 - 5,700	0 - 3,800	0 - 2,000
87D	87"	12,500	230	168.5	40	175	#2	0 - 6,825	0 - 4,550	0 - 2,600
92D	92"	15,400	140	218	40	220	#2	0 - 8,500	0 - 5,660	0 - 3,000

Lifting, capacities are based on optimum conditions. Variables in the materials or magnetic system can affect performance. Material description based on specifications for iron and steel scrap published by the Institute of Scrap Recycling Industries.

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# LIFTMASTER

## CAST / FABRICATED CASE, DEEP FIELD ALUMINUM COIL

Walker Liftmaster Series Magnets have been designed and engineered for scrap processing operations.

Latest state-of-the-art materials combined with the most modern manufacturing methods make the Walker Liftmaster Series one of the most advanced magnets on the market today.

The Liftmaster Series is a lightweight magnet with maximum lift capacity

Available in 8 popular sizes:

The 30, 34, 36, 38 & 40 LM are supplied with a rigged, fabricated steel case. All sizes have heavy rolled manganese steel bottom plates for maximum impact and abrasion resistance, deep filed coil designs, and tough three leg alloy steel chains.

The Liftmaster 48, 57, 66 Series magnets have a rugged cast case, heavy rolled manganese bottom plate, deep field construction and tough 3 leg alloy chains for maximum durability.

All elements are designed for top operating efficiency, with deadweight engineered out to achieve high lift-to-weight ratio.

- ☐ 75% duty cycle
- ☐ Deep field construction
- ☐ 3 leg alloy chain
- ☐ Rugged case design of low carbon high permeable steel for maximum lifting efficiency
- ☐ Aluminum wound coil for maximum lift-to-weight ratio
- ☐ 230 volt DC standard
- All class H Insulation
- ☐ Coils are encapsulated in a high dielectric strength, moisture resistant, resilient compound
- ☐ Heavy rolled manganese bottom plate
- ☐ Inner and outer poles surfaces are hard faced with an abrasive resistant layer of weld to retard wear
- ☐ Terminal box cast as an integral part of the magnet case with hinged cover for easy access and replacement of external lead

SPECIFICATIONS						LIFTING CAPACITY (lbs.)		
Model	Dia.	Approx. wt. (lbs.)	D.C. Voltage	Amps (cold)	KW REQ.	#1 Heavy Melting	#2 Heavy Melting	Steel Turnings
30LM	30"	900	230	18	4	0 - 450	0 - 300	0 - 125
34LM	34"	1200	230	20	5	0 - 600	0 - 400	0 - 220
36LM	36"	1450	230	21	5	0 - 750	0 - 500	0 - 250
38LM	38"	1600	230	25	6	0 - 900	0 - 600	0 - 300
40LM	40"	1850	230	30	7	0 - 1150	0 - 680	0 - 360
48LM	48"	2700	230	36	8	0 - 1750	0 - 1200	0 - 600
57LM	57"	4100	230	51	12	0 - 2700	0 - 1775	0 - 850
66LM	66"	6200	230	66	15	0 - 4100	0 - 2750	0 - 1350

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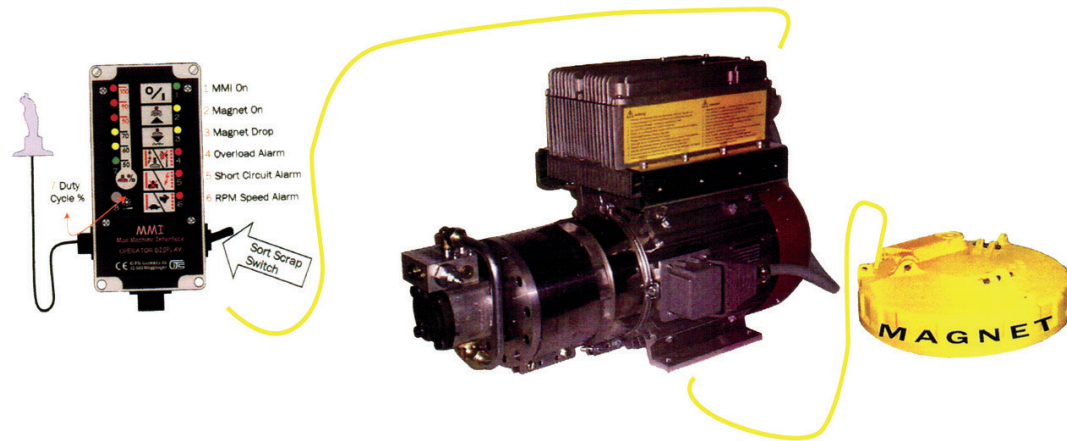
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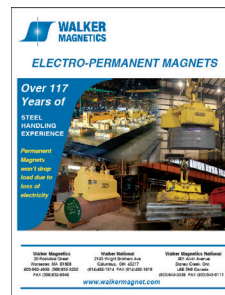
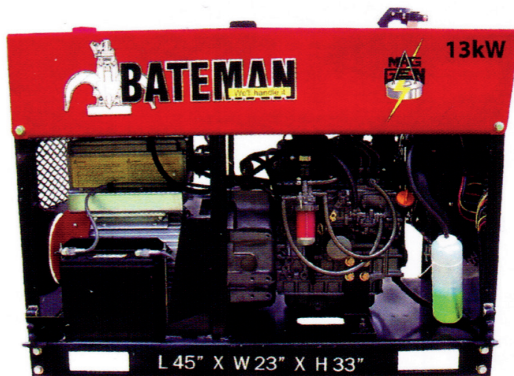
# MAGNET CONTROLLERS

## COMBINATION HYDRAULIC DRIVEN D.C. GENERATOR AND MAGNET CONTROLLER



## D.C. GENERATORS BELT DRIVEN

## D.C. GENERATORS WITH DIESEL ENGINE



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