

MAGNETIC TOOLS FOR WELDING OPERATION  
 LIFTING MAGNET  
 MAGCORE  
 CHIP & SLUDGE TRANSPORTERS  
 ENVIRONMENTAL EQUIPMENT  
 MAGNETIZERS AND DEMAGNETIZERS  
 MAGNETIC EQUIPMENT FOR TRANSPORTATION  
 SEPARATORS  
 HIGH GRADE MAGNETIC SEPARATORS  
 MEASURING TOOLS  
 MEASURING INSTRUMENTS  
 MAGNETIC MATERIALS

## Model LM-EC LARGE ELECTROMAGNETIC LIFMA\*

LM-90EC2



### [Application]

Most suitable for transporting iron wastes and iron lumps such as scraps, slabs and ingots.

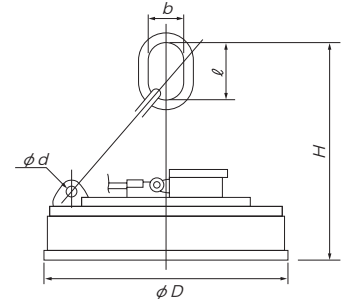
### [Features]

- Designed with electromagnetic coil in H-grade insulation for maximum magnetic effect and minimum power consumption.
- Robust and tough, designed to withstand severe operations.

### <Standard Accessories>

- DC power unit
- Operating pushbutton switch
- Instrument box
- Cable connector
- Cable reel
- ※ LM-40EC2 does not include a chain.
- ※ Output voltage regulator and uninterruptible power unit are also manufactured, and available as an option.

### An example of usage



[mm(in)]

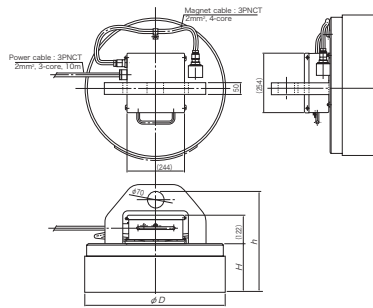
Model	Max. Lifting Mass				Dimensions				Voltage	Current	Power Consumption	Mass	Applicable Power Unit	Duty Cycle
	Ingot	Pig Iron	Steel Cut Wastes	Chips	D	H	b	l						
LM-40EC2	1000kg/2205 lb	60kg/132 lb	20kg/44 lb	10kg/22 lb	400(15.7)	—	—	—	220 VDC	2.5A	0.55kW	130kg/286 lb	LBR-04E	50% ED  Repeating cycle of power on 5 min. and pause 5
LM-50EC2	1800kg/3968 lb	120kg/264 lb	90kg/198 lb	25kg/55 lb	500(19.6)	610(24.0)	70(2.75)	140(5.51)		4.3A	1.0kW	290kg/639 lb	LBR-05E	
LM-60EC2	3000kg/6614 lb	250kg/551 lb	120kg/264 lb	40kg/88 lb	600(23.6)	740(29.1)	90(3.54)	160(6.29)		5.8A	1.28kW	400kg/880 lb	LBR-06E	
LM-70EC2	5000kg/11020 lb	350kg/771 lb	200kg/441 lb	100kg/220 lb	700(27.5)	880(34.6)	110(4.33)	180(7.08)		18A	4.0kW	600kg/1323 lb	LBR-07E	
LM-90EC2	9000kg/19840 lb	500kg/1102 lb	300kg/661 lb	200kg/441 lb	900(35.4)	1050(41.3)	150(5.90)	220(8.66)		28A	6.2kW	1400kg/3086 lb	LBR-09E	
LM-110EC2	14000kg/30860 lb	900kg/1984 lb	500kg/1102 lb	300kg/661 lb	1100(43.3)	1150(45.2)	175(6.88)	250(9.84)		42A	9.2kW	1900kg/4189 lb	LBR-11E	
LM-130EC2	19000kg/41890 lb	1400kg/3086 lb	800kg/1764 lb	500kg/1102 lb	1300(51.1)	1250(49.2)	190(7.48)	290(11.4)		63A	13.9kW	2900kg/6393 lb	LBR-13E	
LM-150EC2	24000kg/52910 lb	1900kg/4189 lb	1100kg/2425 lb	800kg/1764 lb	1500(59.0)	1330(52.3)	210(8.26)	350(13.7)		74A	16.3kW	4200kg/9259 lb	LBR-15E	
LM-180EC2	31000kg/68340 lb	2700kg/5952 lb	1600kg/3527 lb	1100kg/2205 lb	1800(70.8)	1450(57.0)	230(9.05)	370(14.5)		110A	24.0kW		LBR-18E	

※1:M42アイボルト

## Model LM-R LARGE ELECTROMAGNETIC LIFMA



LM-R60-S



### An example of special type

### [Application]

Lifting steel plates and scraps (empty can pressing).

### [Features]

- Built in rectifier, eliminating the need for a separate rectifier/controller.
- When the rectifier is removed from the LM-R, it can be located where needed to control the LM-R by remote operation. (The remote operation cable is optional.)
- A water-proof construction for use in the outdoors.
- The built-in reverse exciting circuit facilitates releasing lifted workpieces.

[mm(in)]

Model	Max. Lifting Mass				Holding Power (Max)	Dimensions			Input Voltage	Power Consumption	Power Consumption	Mass
	Ingot	Pig Iron	Steel Cut Wastes	Chips		D	H	b				
LM-R45	1200kg/2646 lb	40/88—70kg/154 lb	20/44—40kg/88 lb	15kg/33 lb	56kN(5800kgf)	450 (17.7)	170 (6.69)	395 (15.5)	200 VAC	1 φ Approx.420W	50% ED	220kg/485 lb
LM-R60	2000kg/4409 lb	100/220—150kg/330 lb	60/132—100kg/220 lb	20kg/44 lb	100kN(10000kgf)	600 (23.6)	205 (8.07)	430 (16.9)				