

Model **LMU-SR** **SMALL ELECTROMAGNETIC LIFMA**

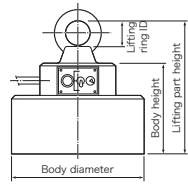
**Rectifier-built in type**

[Application]

Suitable for loading and unloading workpieces to and from the work table of machine tools, moving small steel materials and steel plates and for use as a single unit with a power supply built in.

[Features]

- A separate rectifier is not required. This unit has its own, rectifier built in.
- Easy to release the lifting material by the inverse exciting switch provided.
- The holding power is the same as LMU (see the holding power graph and lifting reference for model LMU)



LMU-25SRD



**Precaution for use**

Rust and scratches on the attractive face adversely affects the holding power. Inspect/check periodically and make repairs.

[mm (in)]

Model	Lifting Capacity	Dimensions		Eyebolt	Voltage	Power Consumption	Mass
		Main Unit	Lifting Part Height				
LMU-10SRD	250kg/551 lb	φ 105 (4.13) × 130 (5.11)	189.5 (7.46)	M16 (0.62) (φ 35 (1.37))	Single-phase, 200 VAC	60W	5kg/ 11.0 lb
LMU-15SRD	600kg/1323 lb	φ 156 (6.14) × 142 (5.59)	212 (8.34)	M20 (0.78) (φ 40 (1.57))		110W	13kg/ 28.6 lb
LMU-20SRD	1200kg/2646 lb	φ 206 (8.11) × 160 (6.29)	270 (10.6)	M30 (1.18) (φ 60 (2.36))		145W	25kg/ 55.1 lb
LMU-25SRD	1800kg/3968 lb	φ 256 (10.0) × 165 (6.49)	295 (11.6)	M36 (1.41) (φ 70 (2.75))		210W	43kg/ 94.8 lb
LMU-30SRD	2500kg/5512 lb	φ 306 (12.0) × 170 (6.69)	319 (12.5)	M42 (1.65) (φ 80 (3.15))		290W	63kg/138.9 lb

※Working rate at 50%ED (EFFECTIVE DUTS by cycle of repeating to electrify for 5minutes and to pause for 5 minutes) .  
 ※Lifting capacity is indicated as 1/2 of maximum attraction with SS400 black steel face.  
 ※For continuous operation, use Lifma under input voltage, 100VAC, but lifting capacity reduces by approx. 30% for 20mm thick steel plate.  
 ※H Dimension indicates the size up to the upper end of inside diameter for eyebolt lifting. ※Cord 5m is provided.

MAGNETIC TOOLS FOR WELDING OPERATION

LIFTING MAGNET

MAGBORE

CHIP & SLUDGE TRANSPORTERS

ENVIRONMENTAL EQUIPMENT

MAGNETIZERS AND DEMAGNETIZERS

MAGNETIC EQUIPMENT FOR TRANSPORTATION

MAGNETIC SEPARATORS

HIGH-GRADE MAGNETIC SEPARATORS

MEASURING TOOLS

MEASURING INSTRUMENTS

MAGNETIC MATERIALS

Model **LM** **SMALL RECTANGULAR ELECTROMAGNETIC LIFMA\***

**Rectifier is separately needed**

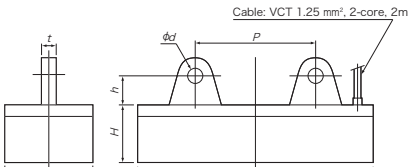


[Application]

Suitable for feeding and transporting a fixed amount of small parts and workpieces and for moving and transporting steels, steel plates, castings and forgings.

[Features]

- Small but very large lifting capacity.
- Workpieces can be held and released by remote control. Depending on applications, a non-interrupt power supply may be used together to enhance safe operations in the event of power failure.
- Flexible usage; feeding small materials with a single unit to transporting large workpieces with several units combined.
- Select a rectifier according to your applications.



**Maximum Usable Number of Rectangular Electromagnetic Lifmas LM to Rectifier KR**

Rectifier	Rectangular electromagnetic Lifma							
	LM-0815	LM-0820	LM-0825	LM-1020	LM-1030	LM-1040 LM-1530	LM-1540	LM-1550
KR-P203								
KR-A203	8	4	4	3	2	1	1	1
KR-P208								
KR-A208	21	12	10	8	5	4	3	3
RH-MW205B	15	9	7	5	3	3	2	2
RH-MW210B	30	18	15	11	7	6	4	4

[mm (in)]



**Precaution for use**

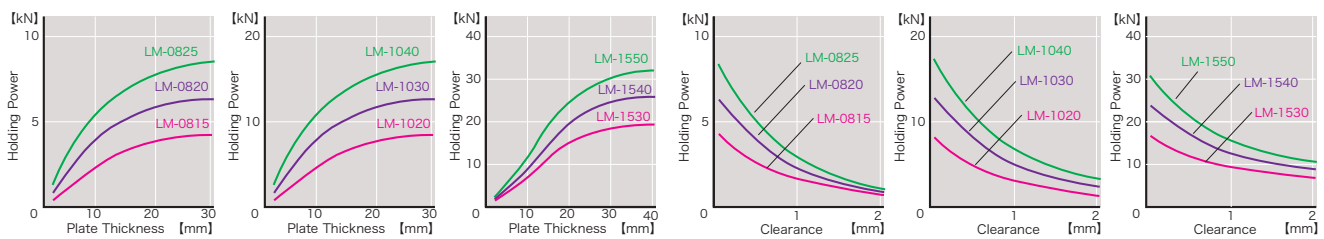
Rust and scratches on the attractive face adversely affects the holding power. Inspect/check periodically and make repairs.

Model	Lifting Capacity	Dimensions				Shackle	Voltage	Current	Mass
		W	L	H	Lifting Part				
LM-0815	200kg/ 440 lb	80 (3.15)	150 (5.90)	70 (2.75)	20 (0.78)	BC8 (0.31)	180 VDC	0.3A	5kg/11.0 lb
LM-0820	300kg/ 661 lb		200 (7.87)		12 (0.47)			0.5A	7kg/15.0 lb
LM-0825	400kg/ 881 lb		250 (9.84)		19 (0.74)			0.6A	9kg/19.8 lb
LM-1020	400kg/ 881 lb	100 (3.93)	200 (7.87)	90 (3.54)	25 (0.98)	BC12 (0.47)	0.8A	11kg/24.2 lb	
LM-1030	600kg/1323 lb		300 (11.8)		5 (0.19)		1.2A	16kg/35.2 lb	
LM-1040	800kg/1764 lb		400 (15.7)		22 (0.86)		20 (0.78)	22kg/48.5 lb	
LM-1530	900kg/1984 lb	150 (5.90)	300 (11.8)	100 (3.93)	35 (1.37)	BC16 (0.62)	1.4A	27kg/59.5 lb	
LM-1540	1200kg/2646 lb		400 (15.7)		25 (0.98)		200 (7.87)	1.9A	36kg/79.3 lb
LM-1550	1500kg/3307 lb		500 (19.6)		28 (1.10)		25 (0.98)	250 (9.84)	2.0A

※Working rate 50%ED (Repeating cycle of power on 5 min. and pause 5 min.)  
 ※The lifting part opening φd refers to the inside diameter of the hinge lifting hole.  
 ※The models whose "p" dimension is not indicated have a hinge in one place in the center.  
 ※The lifting capacity is indicated by a value that is a half of the maximum holding power. The maximum holding power applies to steel plates of 20 mm or thicker with no gap. It varies according to not only the thickness of steel plates, but sizes of gaps and warping of steel plates.

**Change in holding power by plate thickness**

**Change in holding power by clearance**



Kindly take note carefully that the capacity of the Lifma changes depending on the thickness of material, clearance between the material and magnet and the quality of the material.