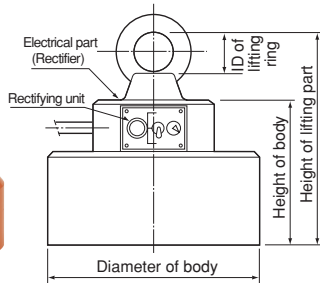


# LIFTING MAGNETS

## Model LMU-SR SMALL ELECTROMAGNETIC LIFMA\*

### Rectifier built-in type



#### [Application]

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

#### [Features]

- These Lifmas incorporate a rectifier and do not require a rectifier to be installed additionally.
- A reverse excitation switch is provided to release lifted workpieces easily.
- The holding power is the same as LMU. (To study specifications, see the holding power graphs and lifting reference of Model LMU.)



#### Precaution for use

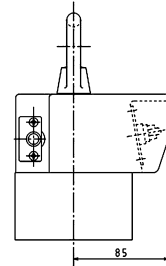
Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically.

Working rate 50% ED (Repeating cycle of power on 5 minutes and pause 5 minutes)

LMU-25SRD

Model	Lifting Capacity	Dimensions			Eyenuit ID	Input 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	

\*The lifting capacity is indicated by a value that is a half of the max. holding power. \*\*For workpieces having poor attractive conditions such as scraps and waste materials, use LM-EC2. \*\*For continuous operation, use the Lifma at input voltage 100 VAC. However, the capacity drops by approx. 30% for 20 mm thick steel plate. \*\*Cable 2 m is included. \*\*The height of lifting part is up to the top end of the inside diameter of the eyenuit.



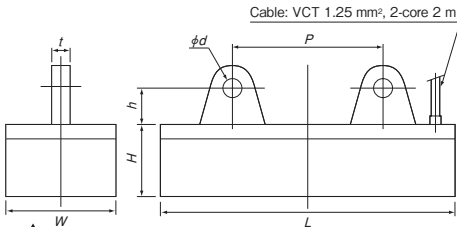
LMU-10SRD and 15SRD have an electrical part that is larger than the magnet main unit.

## Model LM SMALL RECTANGULAR ELECTROMAGNETIC LIFMA\*

### Rectifier required additionally



LM-1040



#### [Application]

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

#### [Features]

- Small but very large lifting capacity.
- Workpieces can be held and released by remote control. Depending on applications, an uninterruptible 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.

Working rate 50% ED (Repeating cycle of power on 5 minutes and pause 5 minutes)

#### Maximum allowable number of rectangular electromagnetic Lifmas LM for Rectifier KR·RH

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



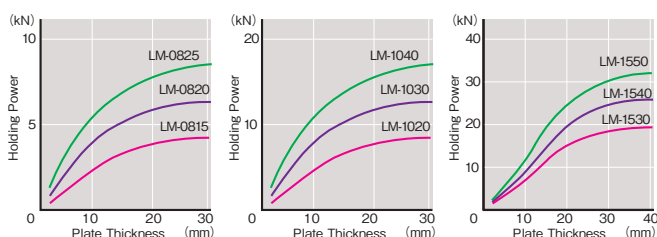
#### Precaution for use

Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically.

Model	Lifting Capacity	Dimensions							Applicable Shackles	Rated Voltage	Rated Current	Mass
		Main Unit			Lifting part							
		W	L	H	h	t	φd	P				
LM-0815	200kg/440 lb	80 (3.15)	150 (5.90)	70 (2.75)	20 (0.78)	12 (0.47)	12 (0.47)	-	BC 8 (0.31)	180 VDC	0.3A	5kg/11.0 lb
LM-0820	300kg/661 lb		200 (7.87)		20 (0.78)	12 (0.47)	12 (0.47)				0.5A	7kg/15.0 lb
LM-0825	400kg/881 lb		250 (9.84)		20 (0.78)	12 (0.47)	12 (0.47)				0.6A	9kg/19.8 lb
LM-1020	400kg/881 lb	200 (7.87)	90 (3.54)	25 (0.98)	19 (0.74)	16 (0.62)	BC12 (0.47)	0.8A	11kg/24.2 lb			
LM-1030	600kg/1323 lb	300 (11.8)		25 (0.98)	19 (0.74)	16 (0.62)		1.2A	16kg/35.2 lb			
LM-1040	800kg/1764 lb	400 (15.7)		25 (0.98)	19 (0.74)	16 (0.62)		1.3A	22kg/48.5 lb			
LM-1530	900kg/1984 lb	300 (11.8)	100 (3.93)	100 (3.93)	35 (1.37)	22 (0.86)	20 (0.78)	200 (7.87)	BC16 (0.62)	1.4A	27kg/59.5 lb	
LM-1540	1200kg/2646 lb	400 (15.7)			35 (1.37)	22 (0.86)	20 (0.78)	200 (7.87)		1.9A	36kg/79.3 lb	
LM-1550	1500kg/3307 lb	500 (19.6)			35 (1.37)	22 (0.86)	20 (0.78)	250 (9.84)		2.0A	45kg/99.0 lb	

\*The lifting part 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. \*\*Cable 2 m is included. \*\*The lifting capacity is indicated by a value that is a half of the max. holding power. The max. holding power is based on a test piece of 30 mm or thicker steel plate with no clearance. It varies according to not only the thickness of steel plates, but sizes of clearance and warping of steel plates.

#### Change in holding power by plate thickness



#### Change in holding power by clearance

