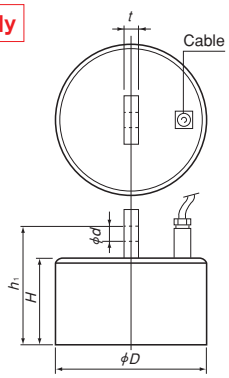
Model LEP PERMANENT ELECTROMAGNETIC LIFMA*

Control unit required additionally

LEP-25



Power on rating 10% ED

[Application]

These are permanent electromagnetic type lifting and transporting magnets that enable the magnetization and demagnetization of the built-in permanent magnet to be controlled electrically. Suitable for transportation of steel plates and iron products that have a flat attractive face and can be held on the whole area.

[Features]

- Since a permanent magnet is used, the holding power is maintained in the event of power failure to enhance safety.
- Since holding and releasing workpieces is controlled electrically, the magnet can be operated remotely by use of pushbuttons.
- A system to demagnetize the permanent magnet to release the lifted workpiece. Thus, the magnet is not attracted by iron products in other operations, thus enhancing safety.
- Use the dedicated control unit LEPH.

Precaution for use

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

[mm(in)]

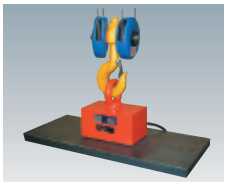
Model	Lifting Capacity	Dimensions D	H	h_1	d	t	Applicable Shackle	Rated Voltage	Power Consumption	Mass	Applicable Control Unit
LEP-15	100kg/ 220l b	156(6.14)	105(4.13)	138(5.43)	16(0.62)	16(0.62)	BC12(0.47)	160VDC	0.38kW	12kg/ 26.4 lb	LEPH-MW210A
LEP-20	150kg/ 330 lb	206(8.10)	115(4.52)	154(6.06)	20(0.78)	19(0.74)	BC14(0.55)		0.47kW	22kg/ 48.5 lb	
LEP-25	350kg/ 771 lb	246(9.68)	125(4.92)	170(6.69)		22(0.86)	BC16(0.62)		0.45kW	37kg/ 81.5 lb	
LEP-30	500kg/1102 lb	296(11.6)	135(5.31)	198(7.79)	25(0.98)	28(1.10)	BB20(0.78)		0.57kW	60kg/132.0 lb	
LEP-35	700kg/1543 lb	354(13.9)	150(5.90)	224(8.81)	27(1.06)	32(1.26)	BB22(0.86)		0.73kW	85kg/187.4 lb	

※The lifting capacity is indicated by a value that is a quarter of the max. holding power.
※Use the Lifma in such a way that workpieces are fully held on the whole attractive face. ※Cable 3 m is included.

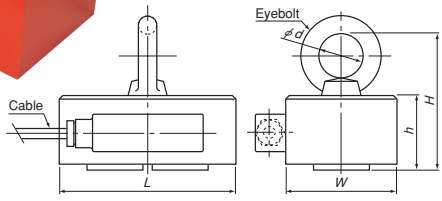
Model LEP-Q PERMANENT ELECTROMAGNETIC LIFMA*

Control unit required additionally

LEP-Q752



An example of usage



Operability of the electromagnet and safety of the permanent magnet realized simultaneously

[Application]

These are permanent electromagnetic type lifting and transporting magnets that enable the magnetization and demagnetization of the built-in permanent magnet to be controlled electrically. Suitable for transportation of steel plates and iron products that have a flat attractive face and can be held on the whole area.

[Features]

- Electricity is applied momentarily, only 0.2 second; power saving.
- Electricity is used only when holding and releasing workpieces. The holding power is maintained in the event of power failure to enhance safety.
- Use the dedicated control unit LEPR-P.

Precaution for use

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

[mm(in)]

Model	Litting Capacity	Dimensions W	L	h	H	ϕd	Eyebolt	Electrical Capacity	Mass	Applicable Control Unit
LEP-Q502	200kg/441 lb	100(3.93)	160(6.29)	67(2.63)	122(4.80)	40(1.57)	M20(0.78)	1.48kVA	8kg/17.6 lb	LEPR-P290
LEP-Q504	400kg/882 lb	160(6.29)			152(5.98)	60(2.36)	M30(1.18)	2.96kVA	13kg/28.6 lb	
LEP-Q752	500kg/1102 lb	135(5.31)	220(8.66)	120(4.72)	205(8.07)			4.03kVA	27kg/59.5 lb	
LEP-Q754	1000kg/2205 lb	220(8.66)			235(9.25)	80(3.14)	M42(1.65)	8.06kVA	45kg/99.2 lb	

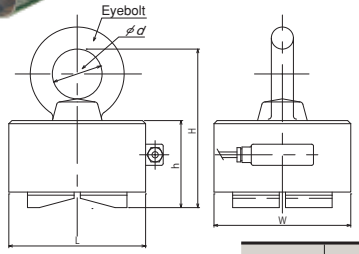
※The lifting capacity is indicated by a value that is a third (safety factor 3) of the max. holding power.

Model LEP-QV V-TYPE PERMANENT ELECTROMAGNETIC LIFMA*

Control unit required additionally

LEP-QV752
An example of special fabrication

An example of usage



Designed to lift round steel bars and pipes!

[Application]

This is a permanent electromagnetic type lifting and transporting magnet that enables the magnetization and demagnetization of the built-in permanent magnet to be controlled electrically. As the attractive face is V shape, this is suitable to transport round steel bars and pipes.

[Features]

- Electricity is applied momentarily, only 0.2 second; power saving.
- Electricity is used only when holding and releasing workpieces. The holding power is maintained in the event of power failure to enhance safety.
- Use the dedicated control unit LEPR-P.

Precaution for use

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

[mm(in)]

Model	Dimensions W	L	h	H	ϕd	Eyebolt	Max. Dia. to Lift	Electrical Capacity	Mass	Applicable Control Unit
LEP-QV754	220(8.66)	220(8.66)	140(5.51)	255(10.0)	80(3.14)	M42(1.65)	Round bar/pipe: ϕ50(1.96) – ϕ400(15.7)	8.06kVA	50kg/110 lb	LEPR-P290