

HPS

ELECTRO-PERMANENT LIFTER FOR SLAB AND BLOCK

For handling slabs and forged blocks

HPS permanent electro-magnetic modules are designed for lifting loads with large operational air gaps.

- 4-pole magnetic circuit for high force concentration.
- High magnet strength.
- "STEEL MILL TOUGH with 3.7" " thick monobloc frame.

Standard Safety features:

- Electro-perm technology cannot drop a load due to loss of power
- Test lift sequence prevents unsafe loads due to air-gap, load geometry, or actual load composition from being handled
- Lifter status lights to insure the operator always knows the lifter status
- Radio remote keeps the operator a safe distance while operating the magnet
- Safety switch prevents de-mag unless the load is safely on the ground
- CSS sensor to insure controller and magnet are working properly
- Safe button to prevent accidental De-mag

Standard Operational Features:

- Adjustable power level for de-stacking plates and slabs as needed
- Radio remote
- No residual magnetism
- Low flux depth
- Adjustable test lift sequence
- Status lights
- Electro perm technology saves energy
- No moving parts to wear

Optional:

1. Removable poles shoes
2. Dual controls
3. Temperature sensor
4. Hi temp version available on request
5. DC power supply
6. Crane control interface
7. MSD sensor to check magnetic saturation each and every lift

Applications

Steel service centers, Mold and die shop, Fabricators, Heat treating, steel mills, Steel warehouse, Job shops



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Specifications mm(inch)

Model	A	B	C	D	E	F	G	H	I	L
HPS 50	1820 (71.7)	645 (25.4)	285 (11.2)	190 (7.5)	460 (18.1)	760 (29.9)	250 (9.8)	130 (5.1)	17 (0.7)	822 (32.4)
HPS 100	1820 (71.7)	645 (25.4)	285 (11.2)	270 (10.6)	620 (24.4)	850 (33.5)	250 (9.8)	130 (5.1)	17 (0.7)	1024 (40.3)
HPS 150	1820 (71.7)	645 (25.4)	285 (11.2)	330 (13.0)	740 (29.1)	970 (38.2)	250 (9.8)	130 (5.1)	17 (0.7)	1180 (46.5)
HPS 200	1850 (72.8)	645 (25.4)	285 (11.2)	400 (15.7)	880 (34.6)	1110 (43.7)	270 (10.6)	140 (5.5)	17 (0.7)	1374 (54.1)
HPS 250	1850 (72.8)	647 (25.5)	290 (11.4)	450 (17.7)	980 (38.6)	1300 (51.2)	270 (10.6)	140 (5.5)	17 (0.7)	1547 (60.9)

Load Capabilities mm(inch)

Model	Weight	Thickness	Width	Length		Rated lift capacity
		Min.	Max.	Min.	Max.	Max.
HPS 50	1280 kg/2820 lb	30 (1.18)	3500 (137.80)	1000 (39.37)	6100 (240.16)	5000 kg/11000 lb
HPS 100	1760 kg/3880 lb	30 (1.18)	3500 (137.80)	1000 (39.37)	6100 (240.16)	10000 kg/22000 lb
HPS 150	2280 kg/5030 lb	40 (1.57)	3500 (137.80)	1000 (39.37)	6100 (240.16)	15000 kg/33000 lb
HPS 200	2970 kg/6550 lb	40 (1.57)	3500 (137.80)	1000 (39.37)	6100 (240.16)	20000 kg/44000 lb
HPS 250	4000 kg/8820 lb	80 (3.15)	3500 (137.80)	1000 (39.37)	6100 (240.16)	25000 kg/55000 lb

