

# 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
- Removable pole shoes for long life

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	1285 (50.6)	501 (19.7)	155 (6.1)	205 (8.1)	480 (18.9)	800 (31.5)	180 (7.1)	100 (3.9)	15 (0.6)	900 (35.4)
HPS 100	1545 (60.8)	526 (20.7)	180 (7.1)	240 (9.4)	545 (21.5)	850 (33.5)	266 (10.5)	133 (5.2)	15 (0.6)	1000 (39.4)
HPS 150	1575 (62.0)	559 (22.0)	213 (8.4)	280 (11.0)	625 (24.6)	860 (33.9)	266 (10.5)	133 (5.2)	15 (0.6)	1050 (41.3)
HPS 200	1760 (69.3)	576 (22.7)	230 (9.1)	320 (12.6)	705 (27.8)	965 (38.0)	304 (12.0)	152 (6.0)	15 (0.6)	1150 (45.3)
HPS 250	1790 (70.5)	629 (24.8)	280 (11.0)	350 (13.8)	770 (30.3)	1100 (43.3)	355 (14.0)	177 (7.0)	18 (0.7)	1273 (50.1)
HPS 300	1790 (70.5)	621 (24.4)	272 (10.7)	374 (14.7)	814 (32.0)	1147 (45.2)	355 (14.0)	177 (7.0)	18 (0.7)	1311 (51.6)

### Load Capabilities mm(inch)

Model	Weight	Thickness		Width		Length		Rated lift capacity	
		Min.	Max.	Min.	Max.	Min.	Max.	Max.	
HPS 50	610 kg/1342 lb	30 (1.18)	3500 (137.80)	1000 (39.37)	6000 (236.22)	5000 kg/11000 lb			
HPS 100	950 kg/2090 lb	30 (1.18)	3500 (137.80)	1000 (39.37)	6000 (236.22)	10000 kg/22000 lb			
HPS 150	1300 kg/2860 lb	40 (1.57)	3500 (137.80)	1000 (39.37)	6000 (236.22)	15000 kg/33000 lb			
HPS 200	1750 kg/3850 lb	40 (1.57)	3500 (137.80)	1000 (39.37)	6000 (236.22)	20000 kg/44000 lb			
HPS 250	2150 kg/4730 lb	80 (3.15)	3500 (137.80)	1000 (39.37)	6000 (236.22)	25000 kg/55000 lb			
HPS 300	2700 kg/5940 lb	80 (3.15)	3500 (137.80)	1000 (39.37)	6000 (236.22)	30000 kg/66000 lb			

