

# ELECTRO MAXLIFT

CIRCULAR MODULE

EM

## CIRCULAR ELECTRO LIFTING MAGNET



### FEATURES




- Easy & Speedy handling of scrap, cast iron, pig iron, broken steel
- Available in Normal duty, Heavy-duty & Super-heavy-duty series
- Manufactured in monobloc casted construction or fabricated welded construction depending on budget and application
- Choice of Aluminum or Copper conductor with special H-C class insulation
- Completely sealed with thermal conductive compound and protected terminal box
- Operates on 220 VDC
- Duty cycle available from 50% to 75%



- Optional battery back up can be supplied.
- Control panels with over-excitation controls are also supplied for higher duty cycle operation and lifting extra load from smaller magnets thus enhancing the economic aspects of the lifting capacity, particularly for scrap handling.

### APPLICATIONS

- Loading/unloading of steel scraps/ pig irons/ cast iron boring/broken steel from trucks.
- Handles slabs, blooms and ingots.
- Handle plates/angle/channels.
- Used in smelt mixing operation.
- Can be used with mobile cranes.
- Direct feeding in the furnace.
- Sweeping/cleaning of mill area.

 <p>Normal Duty Type</p>	<ul style="list-style-type: none"> <li>• Suitable for ferrous scrap recovery</li> <li>• For general handling of scrap in yards, stores etc</li> <li>• Lightweight &amp; convenient to handle</li> <li>• Welded &amp; Fabricated construction</li> <li>• 50 to 75% ED : To specify</li> </ul>
 <p>Heavy Duty Type</p>	<ul style="list-style-type: none"> <li>• Suitable for any ferrous material handling needs</li> <li>• For use in yards to heavy-duty steel industries</li> <li>• High-strength ribs and two protection shield of non-magnetic steel</li> <li>• High strength alloy steel suspension chains</li> <li>• Fabricated or Monobloc construction</li> <li>• 50 to 75% ED : To specify</li> </ul>
 <p>Super Heavy Duty Type</p>	<ul style="list-style-type: none"> <li>• Suitable for high temperature ferrous material handling at 600 deg, handling of slabs, blast furnace feeding</li> <li>• For use in heavy-duty steel industries</li> <li>• High-strength ribs and two protection shield of non-magnetic steel</li> <li>• High strength alloy steel suspension chains</li> <li>• Monobloc construction • Manganese bottom plate</li> <li>• 50 to 75% ED : To specify</li> </ul>



Product Code EMLC - N, H or SHD depending on Normal, Heavy-duty or Super Heavy-duty

Table below is for Normal Duty type (EMLC-N) at Cold Operation.

All dimensions are in mm and Kgs

Part No	Current	Power (KW)	D	H	Weight (Kgs)	Approx lifting capacity (Kgs)			
						steel ball	steel ingot	steel scrap	solid bloom
700	15	3.3	700	800	490	2500	380	120	5000
800	18	3.96	800	800	620	3000	480	150	6500
900	26.6	5.85	900	1090	800	4500	600	250	8000
1100	35	7.7	1100	1140	1350	6500	1000	450	10000
1200	45.5	10	1200	1180	1700	7500	1300	600	14000
1300	54	11.9	1300	1240	2060	8500	1400	700	19000
1500	71.2	15.6	1500	1250	2830	11000	1900	1100	24500
1650	75	16.5	1650	1590	3200	12500	2300	1300	30000
1800	102.4	22.5	1800	1690	4230	14500	2750	1600	35000
2100	129	28.4	2100	1860	7000	21000	3500	2200	45000
2400	154	33.9	2400	2020	9000	26000	4800	2850	54000



Specially reinforced Normal duty type" for temperatures upto 200 Deg C

Due to continuous upgradation in design there could be changes in specification. Other sizes on request. Before ordering, contact Lifton Magnets or your nearest dealer to confirm the suitability of this model for your application.

