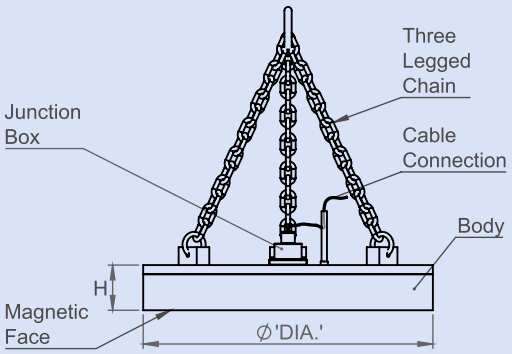
Electromagnetic Lifter for Scrap Lifting Circular Shape

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Manufacturing Magnetic Product as per Clients Requirements





Application

This special type of Electromagnetic Lifter is especially used for SCRAP LIFTING. This device requires continuous D.C. power supply for energized (ON). The effectiveness of lifting capacity is varying due to its contact area of scrap; you can observe the following photographs to understand this term.

Construction of Electromagnetic Lifter

a) Overall body:- Fabricated, using High Permeability Steel .
b) Conductor:- Enameled Copper wire.
c) Class of Insulation:- H class.
d) Winding Base- FRP Former
e) Input: Power supply required:- 415V 3PH,50,HZ AC supply.
f) Output: Operating voltage:- 220V D. C. supply.
g) Operating Through:- Operating Pendent.

Characteristics of Control Panel

a) Input: Power supply required:- 415V 3PH,50,HZ AC supply.
b) Output: Operating voltage:- 220V D. C. Supply.
c) Rectifier:- 3Phase bridge of silicon diodes.
d) Panel safety Precaution:- Using Fuses on AC & DC supply.
e) Indication:- Using 3 Indicator Bulbs, Red, Yellow, Blue(RYB).

Performance of Lifter

The effectiveness of lifting capacity is varying due to its contact with lifting object. Example: If lifter capacity is 10 Tons and lifter get 100% contact, it can lift 10 tones solid load, but scrap having uneven contact hence it can perform 5 to 10 %(500 to 1000 kgs approximate) of total lifting capacity.

Operation Sequence (Follow-up the steps)

1) Installed Control Panel is required on crane or at nearby location.
2) Provide external A.C. Supply to the control panel.
3) Connect Control panel with Lifter & Operating Pendent.
4) Hang this assembly with crane hook.
5) Align the lifter on lifting object properly.
6) Push Magnet "ON" button on operating pendent for energizing of lifter.
7) Lift the scrap of recommended height.
8) Carry it to desired place with minimum height.
9) After reaching to desire place, push Magnet "OFF" button on operating pendent for de-energizing of lifter.

Scope of supply

A) Electromagnetic Lifter.
B) Control Panel (Rectifier unit).
C) Operating Pendent.

Accessories

A) Cable Drum B)Flexible Cables C) Cable carriers.
D) Wire Rope for Cable carriers.
E) Clamps for wire Rope.
F) Control panel consisting electrical parts

Available sizes

Model Code	Nominal Size (mm)	Lifting Cap. With 100% close contact	Self Wt. (Approx)
011-03-01	Dia. 700 xH250	7,000kgs	800kgs
011-03-02	Dia. 1000 xH250	10,000kgs	1600kgs
011-03-03	Dia. 1400 xH250	15,000kgs	3000kgs
011-03-04	Dia. 1600 xH250	17,000kgs	4000kgs
011-03-05	Dia. 1900 xH250	20,000kgs	6000kgs

Due to uneven contact area of scrap lifting capacity can be vary

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Application

Metal Parts Lifting



Triming Metal Wire Bundle Lifting



Triming Metal Wire Bundle Lifting



Electromagnet & Control Panel



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Control Panel with operating pedient



Pendent for Magnet & Crane



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