

# ELECTROMAGNETIC SEPARATOR

## Electro magnets separator

*Oil cooled – This type of heavy-duty overband is the most commonly used of the two types. It efficiently maintains an optimum working temperature and is also capable of producing a higher magnetic force than the equivalent air cooled electro overband magnet. (Oil cooled electromagnet magnetic conveyor pulleys)*



- Automatic unloading iron, ring no belt, smooth operation, no noise, can guarantee long-term trouble-free continuous operation
- Up and down protective baffle to protect the safety of personal and equipment; Control part of the chain can be linked with the belt to achieve manual control and centralized control in two ways

- High-performance magnetic source, magnetic energy product is high, easy to demagnetize, eight years demagnetization does not exceed 5%
- Roller with automatic correction function, imported with a seat bearing, sealing performance, and can adapt to a variety of harsh environments



- The overall structure of the permanent magnet shaft is compact and small in size. It is especially suitable for small space work. It is especially suitable for environmental protection, resource regeneration and paper making
- Magnetic circuit using computer simulation design, magnetic field strength, gradient, suction large

|         | Conveyor bandwidth | Rated suspension height | Magnetic intensity strength at rated height | The excitation power | Cooling system | Dimension |      |      | Weight |
|---------|--------------------|-------------------------|---------------------------------------------|----------------------|----------------|-----------|------|------|--------|
|         | mm                 | mm                      | gauss                                       | kW                   |                | L         | W    | H    | kg     |
| RCDE-6  | 650                | 200                     | ≥700                                        | ≤5                   | Oil cooling    | 1050      | 1005 | 905  | 810    |
| RCDE-8  | 800                | 250                     |                                             | ≤6                   |                | 1170      | 1050 | 1070 | 1150   |
| RCDE-10 | 1000               | 300                     |                                             | ≤9                   |                | 1213      | 1135 | 1190 | 2080   |
| RCDE-12 | 1200               | 350                     |                                             | ≤10                  |                | 1510      | 1400 | 1280 | 2980   |
| RCDE-14 | 1400               | 400                     |                                             | ≤11                  |                | 1700      | 1610 | 1350 | 3570   |
| RCDE-16 | 1600               | 450                     |                                             | ≤12                  |                | 1910      | 1730 | 1420 | 5540   |