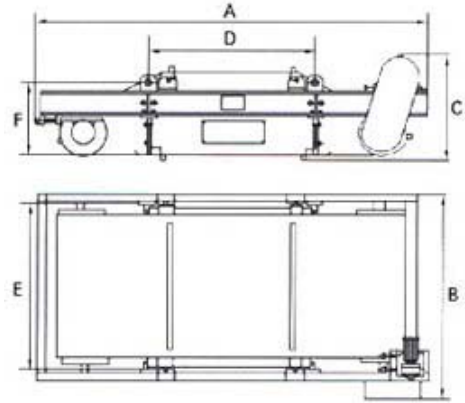


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## Magnetic Assemblies >> Magnetic Separator

### Series PCY-K Equipped Magnetic Separator

Specification: Series PCY Permanent-magnetic Tramp Iron Separator



#### Use and characteristic:

- It is used to sort the iron out in metallurgy, covered vessel scrap workshop, casting workshop.
- The unique stainless steel plate-armored belt can protect the belt from ruining by the sharp ferromagnetism material efficiently.
- Strong magnetic field intension, high gradient and strong attractive force.
- No need of excitation, which can save the energy; self-cleaning belt, which is convenient for operation.
- The magnetic source is reliable as the magnetic source is made from NdFeB permanent magnetic material.
- The belt is of automatic corrective function and the special sealed bearing block make it work in the harsh environment.
- The compact structure makes it convenient to maintenance and can work in long period without malfunction.
- The common type with stated-standard and the special type beyond the stated-standard.

#### The characteristics and use:

The unique design for the armed self-cleaning belt, which can protect the belt from damaging of the sharp magnetic material. The rated height with high magnetic force, high gradient and strength attraction. No need of excitation power, energy-save, self-clean, operation-convenience. The magnetic source is made up of the rare earth material with stability magnetic performance. It is of the automatically rectify the off-course function with the special sealed bearing which is suitable for the operation in the poor environment. The compact reasonable structure, convenient maintenance for the long time and no malfunction operation. The safe specification, which fit the international standard.

#### PCY-K Ordinary series:

| Type | Belt width<br>adaptive<br>mm | Suspension<br>height<br>rated<br>mm | Magnetic<br>intensity<br>≥mT | Belt<br>speed<br>adaptive<br>≤Kw | Catching<br>ability<br>Kg | Working<br>style | Driven<br>power<br>Kw | Outline dimension<br>mm |   |   |   |   |   | Weight<br>Kg |
|------|------------------------------|-------------------------------------|------------------------------|----------------------------------|---------------------------|------------------|-----------------------|-------------------------|---|---|---|---|---|--------------|
|      |                              |                                     |                              |                                  |                           |                  |                       | A                       | B | C | D | E | F |              |
|      |                              |                                     |                              |                                  |                           |                  |                       |                         |   |   |   |   |   |              |

|           |      |     |     |      |        |              |     |     |     |     |     |     |    |      |
|-----------|------|-----|-----|------|--------|--------------|-----|-----|-----|-----|-----|-----|----|------|
| PC Y-K50  | 500  | 150 | ≥70 | ≤4.5 | 0.1-36 | Continuously | 1.5 | 190 | 735 | 935 | 950 | 753 | 45 | 750  |
| PC Y-K65  | 650  | 200 |     |      |        |              | 2.2 | 205 | 780 | 103 | 110 | 753 | 45 | 1200 |
| PC Y-K80  | 800  | 250 |     |      |        |              | 2.2 | 235 | 796 | 128 | 130 | 108 | 45 | 1400 |
| PC Y-K100 | 1000 | 300 |     |      |        |              | 3.0 | 266 | 920 | 155 | 140 | 133 | 45 | 2120 |
| PC Y-K120 | 1200 | 350 |     |      |        |              | 4.0 | 286 | 101 | 172 | 155 | 151 | 51 | 3350 |
| PC Y-K140 | 1400 | 400 |     |      |        |              | 4.0 | 322 | 105 | 198 | 188 | 175 | 51 | 4450 |

**PCY-K strong series:**

| Type      | Belt width adaptive mm | Suspension height rated mm | Magnetic intensity ≥mT | Belt speed adaptive ≤Kw | Catching ability Kg | Working style | Driven power Kw | Outline dimension mm |     |     |     |     |      | Weight Kg |      |
|-----------|------------------------|----------------------------|------------------------|-------------------------|---------------------|---------------|-----------------|----------------------|-----|-----|-----|-----|------|-----------|------|
|           |                        |                            |                        |                         |                     |               |                 | A                    | B   | C   | D   | E   | F    |           |      |
| PC Y-K65  | T1                     | 650                        | 200                    | 90                      | ≤4.5                | 0.1-50        | Continuously    | 1.5                  | 216 | 107 | 795 | 120 | 890  | 45        | 1300 |
|           | T2                     |                            |                        |                         |                     |               |                 | 216                  | 120 |     |     | 890 | 1420 |           |      |
|           | T3                     |                            |                        |                         |                     |               |                 | 231                  | 130 |     |     | 890 | 1750 |           |      |
| PC Y-K80  | T1                     | 800                        | 250                    | 120                     | ≤4.5                | 0.1-50        | Continuously    | 2.2                  | 235 | 128 | 128 | 130 | 109  | 45        | 1920 |
|           | T2                     |                            |                        |                         |                     |               |                 | 235                  | 130 |     |     | 109 | 2180 |           |      |
|           | T3                     |                            |                        |                         |                     |               |                 | 252                  | 140 |     |     | 109 | 2820 |           |      |
| PC Y-K100 | T1                     | 1000                       | 300                    | 150                     | ≤4.5                | 0.1-50        | Continuously    | 3.0                  | 266 | 154 | 950 | 140 | 133  | 45        | 2350 |
|           | T2                     |                            |                        |                         |                     |               |                 | 266                  | 140 |     |     | 133 | 2700 |           |      |
|           | T3                     |                            |                        |                         |                     |               |                 | 276                  | 140 |     |     | 133 | 3680 |           |      |
| PC Y-K120 | T1                     | 1200                       | 350                    | 90                      | ≤4.5                | 0.1-50        | Continuously    | 4.0                  | 290 | 173 | 970 | 160 | 151  | 51        | 3250 |
|           | T2                     |                            |                        |                         |                     |               |                 | 290                  | 160 |     |     | 151 | 4100 |           |      |
|           | T3                     |                            |                        |                         |                     |               |                 | 290                  | 160 |     |     | 151 | 5150 |           |      |
| PC Y-K140 | T1                     | 1400                       | 400                    | 120                     | ≤4.5                | 0.1-50        | Continuously    | 4.0                  | 322 | 198 | 118 | 190 | 175  | 51        | 4800 |
|           | T2                     |                            |                        |                         |                     |               |                 | 322                  | 190 |     |     | 175 | 5620 |           |      |
|           | T3                     |                            |                        |                         |                     |               |                 | 334                  | 190 |     |     | 175 | 7450 |           |      |

(For Reference Only)

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