# Instrument Data Sheet

## General
- **Product**: Brush Type Belt Cleaner; one side access/installation
- **Model Number**: BRC[bristle diameter][bristle material][brush width in inches]
- **Manufacturer**: Conveyor Components Company

## Motor
- **Motor Power**: 1 HP
- **Motor Speed**: 1150 RPM
- **Brush Speed**: 547 RPM
- **Brush Surface Speed**: 1433 ft/min [7.3 m/s]

## Environment
- **Motor Ambient Temperature Rating**: Up to 40 °C [104 °F]
- **Bristle Heat Distortion**: 250 °F [121 °C] (Nylon bristles)
- **Temperature**: 225 °F [107 °C] (Polypropylene bristles)
- **Bristle Melting**: 500 °F [260 °C] (Nylon bristles)
- **Temperature**: 330 °F [166 °C] (Polypropylene bristles)
- **Critical Temperature**: 400 °F [204 °C] (Oil tempered wire bristles)
- **Frame Material**: Powder coated steel
- **Brush Hub Material**: Powder coated cast iron (standard) or machined stainless steel
- **Bristle Backing**: Galvanized steel (standard) or stainless steel
- **Motor Enclosure**: Totally Enclosed, Fan Cooled; (Haz-Loc motors available upon request)
- **Mounting**: Mounts on either side of conveyor, hanger or chute mount

## Mechanical
- **Motor Input**: 240V or 480V AC (3-phase)
- **Bristle Type**: Open face helical brush
- **Brush Width**: 6” to 36” [152 to 914 mm] in standard sizes, custom sizing available
- **Brush Diameter**: Ø 10” (standard); custom sizing available
- **Bristle Length**: 3” [76 mm] (standard); custom sizing available
- **Shaft Diameter**: Ø 1 ⅛” [37 mm] (standard)
- **Mounting Width**: Brush width +25° [635 mm] (shorten in field to fit application)
- **Footprint**: 15.5” tall x 14.25” wide [394 x 362 mm]
- **Frame Height**: 18.5” [468 mm] + 3.8” to 7” [97 to 178 mm] brush adjustment
- **Frame length**: 290” [7366 mm] along conveyor
- **Frame depth**: 18.75” [476 mm] out of conveyor

## Options
- **Bristle Diameter**: 0.010” [0.25 mm] (option 010) oil tempered wire bristles only
- **Bristle Diameter**: 0.014” [0.35 mm] (option 014) for lightweight dry materials
- **Bristle Diameter**: 0.028” [0.7 mm] (option 028) for medium weight fine dry materials
- **Bristle Diameter**: 0.040” [1.0 mm] (option 040) for heavy, wet, or tacky materials
- **Bristle Material**: Nylon (option N): general purpose, abrasion resistant
- **Bristle Material**: Polypropylene (option P): for use with materials that deteriorate nylon
- **Bristle Material**: Oil tempered wire (option W): for high temperature processes, available only with 0.010” [0.25 mm] bristle diameter
- **Brush Hub**: Powder coated cast iron (standard); machined stainless steel (upon request)
- **Bristle Backing**: Galvanized steel (standard) or stainless steel (upon request)

## Replacement Parts
- **Helical Brush only**: HS[bristle diameter][bristle material][brush width in inches]
- **Bristle Strips**: HB[bristle diameter][bristle material][brush width in inches]

## Manufacturer
- **Conveyor Components Company**
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  - Crosswell, MI 48422 USA
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## Notes:
1. The motor should be wired so it starts and stops with conveyor operation.
2. Brush pressure will affect bristle temperature and wear.
3. The brush should be adjusted with a feather-touch against the belt to allow it to flick material into the discharge stream.