


Instrument Data Sheet

General	1	Product	Brush Type Belt Cleaner; one side access/installation
	2	Model Number	BRC(<i>bristle diameter</i>)(<i>bristle material</i>)(<i>brush width in inches</i>)
	3	Manufacturer	Conveyor Components Company
	4		
Environment	5	Motor Ambient Temperature Rating	Up to 40 °C [104 °F]
	6	Bristle Heat Distortion Temperature	250 °F [121 °C] Nylon bristles
	7		225 °F [107 °C] Polypropylene bristles
	8	Bristle Melting Temperature	500 °F [260 °C] Nylon bristles
	9		330 °F [166 °C] Polypropylene bristles
	10	Critical Temperature	400 °F [204 °C] Oil tempered wire bristles
	11	Frame Material	Powder coated steel
	12	Brush Hub Material	Powder coated cast iron (standard) or machined stainless steel
	13	Bristle Backing	Galvanized steel (standard) or stainless steel
	14	Motor Enclosure	Totally Enclosed, Fan Cooled; (Haz-Loc motors available upon request)
15	Mounting	Mounts on either side of conveyor, hanger or chute mount	
Motor	16	Motor Input	240V or 480V AC (3-phase)
	17	Motor Power	1 HP
	18	Motor Speed	1150 RPM
	19	Brush Speed	547 RPM
	20	Brush Surface Speed	1433 ft/min [7.3 m/s]
	21		
Mechanical	22	Brush Type	Open face helical brush
	23	Brush Width	6" to 36" [152 to 914 mm] in standard sizes, custom sizing available
	24	Brush Diameter	Ø 10" (standard); custom sizing available
	25	Bristle Length	3" [76 mm] (standard); custom sizing available
	26	Shaft Diameter	Ø 1 7/16" [37 mm] (standard)
	27	Mounting Width	Brush width +25" [635 mm] (shorten in field to fit application)
	28	Footprint	15.5" tall x 14.25" wide [394 x 362 mm]
	29	Frame Height	18.5" [468 mm] + 3.8" to 7" [97 to 178 mm] brush adjustment
	30	Frame length	290" [7366 mm] along conveyor
	31	Frame depth	18.75" [476 mm] out of conveyor
Options	32	Bristle Diameter	0.010" [0.25 mm] (option 010) oil tempered wire bristles only
	33		0.014" [0.35 mm] (option 014) for lightweight dry materials
	34		0.028" [0.7 mm] (option 028) for medium weight fine dry materials
	35		0.040" [1.0 mm] (option 040) for heavy, wet, or tacky materials
	36	Bristle Material	Nylon (option N): general purpose, abrasion resistant
	37		Polypropylene (option P): for use with materials that deteriorate nylon
	38		Oil tempered wire (option W): for high temperature processes, available only with 0.010" [0.25 mm] bristle diameter
	39	Brush Hub	Powder coated cast iron (standard); machined stainless steel (upon request)
40	Bristle Backing	Galvanized steel (standard) or stainless steel (upon request)	
Replacement Parts	41	Helical Brush only	HS(<i>bristle diameter</i>)(<i>bristle material</i>)(<i>brush width in inches</i>)
	42	Bristle Strips	HB(<i>bristle diameter</i>)(<i>bristle material</i>)(<i>brush width in inches</i>)
Manufacturer	43		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Crowell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com
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			