


Instrument Data Sheet

General	1	Product	Brush Type Belt Cleaner	
	2	Model Number	BR(<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 aluminum	
	13	Bristle Backing	Galvanized steel (standard) or stainless steel	
	14	Motor Enclosure	Totally Enclosed, Fan Cooled; (Haz-Loc motors available upon request)	
	15	Mounting	Bolts to the outside of the conveyor frame	
Motor	16	Motor Input	240V or 480V AC (3-phase)	
	17	Motor Power	1 HP (standard); – 2 HP (standard for 48" [1219 mm] brush and larger)	
	18	Motor Speed	1150 RPM	
	19	Brush Speed	1 HP: 547 RPM; – 2 HP: Field adjustable shiv: 278, 427 or 547 RPM	
	20	Brush Surface Speed	1 HP: 1433 ft/min [7.3 m/s]	
	21		2 HP: Field adjustable shiv: 728, 1117 or 1433 ft. per min [3.7, 5.7 or 7.3 m/s]	
Mechanical	22	Brush Type	Open face helical brush	
	23	Brush Width	8" to 84" [203 to 2134 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		Ø 1 15/16" [49 mm] (standard for 48" [1219 mm] brush and larger)	
	28	Mounting Width	Brush width +25" [635 mm] (shorten in field to fit application)	
	29	Frame Height	24" [610 mm] max, can be shortened on site	
	30	Frame Width	Brush Width + 24" [610 mm] max, can be shortened on site	
	31	Frame depth	36" (914 mm) total; 32" [813 mm] from center of brush	
	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) or machined aluminum (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 Croswell, 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 surface speed should approximate twice the belt speed, but not less than 200 RPM. The slowest speed that provides acceptable cleaning should be used
 3. Brush speed and brush pressure will affect bristle temperature and wear.
 4. The brush should be adjusted with a "feather-touch" against the belt to allow it to "flick" material into the discharge