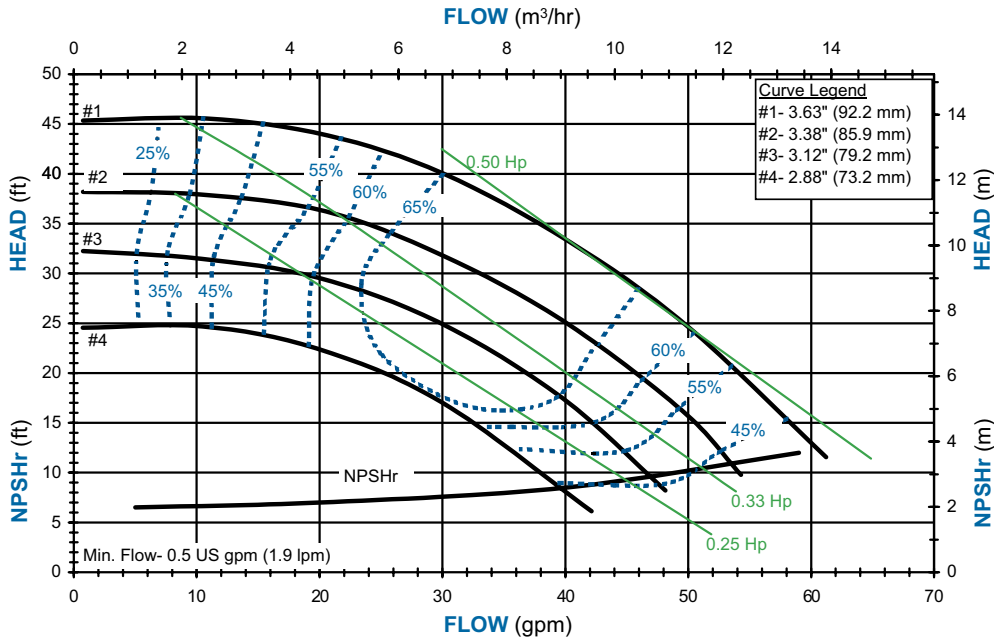


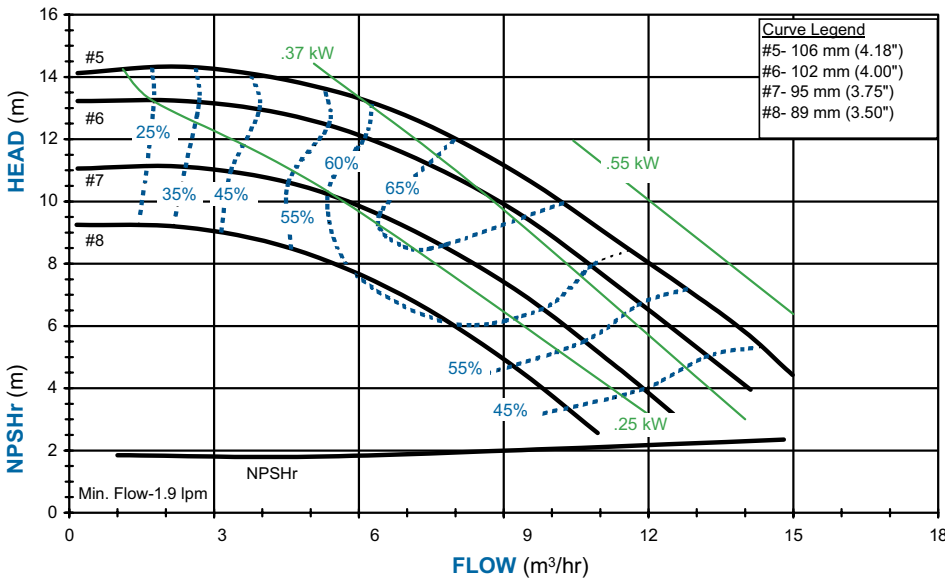
# DB Series: Model DB8



**DB8 PERFORMANCE 3450 RPM**



**DB8 PERFORMANCE 2900 RPM**



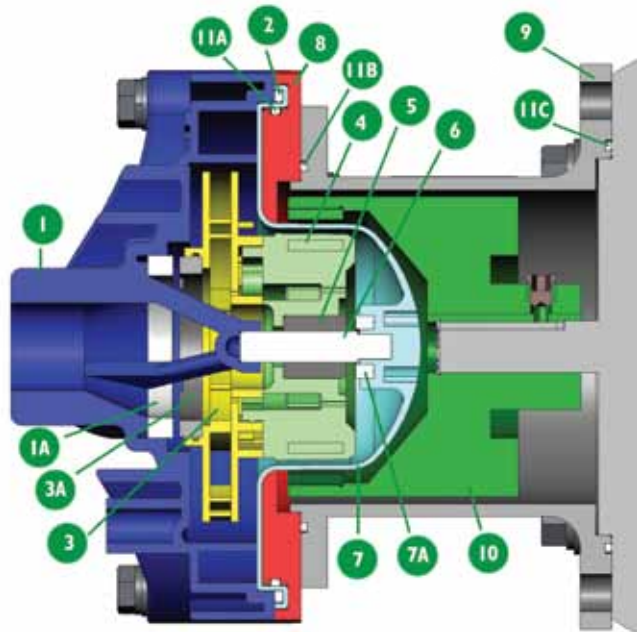
## FEATURES & CAPABILITIES

- + Five-year warranty
- + Extended run dry ability (with carbon bushing)
- + High operating efficiency
- + Polypropylene or PVDF construction
- + Powerful neodymium magnets
- + Close-coupled design
- + Threaded (NPT or BSP), flanged, or union connections
- + Horizontal or vertical installation with IEC motor
- + Back pullout design
- + Mounts to NEMA and IEC (B5 & B14) motor frames
- + Easy set measurement free drive
- + ISO 1940 G2.5 balancing
- + CE certified/ATEX available
- + Working pressure to 80 psi (5.5 bar)
- + Specific gravity over 1.8
- + Viscosity up to 150 cP
- + Polypropylene—180° F (82° C)
- + PVDF—220° F (104° C)

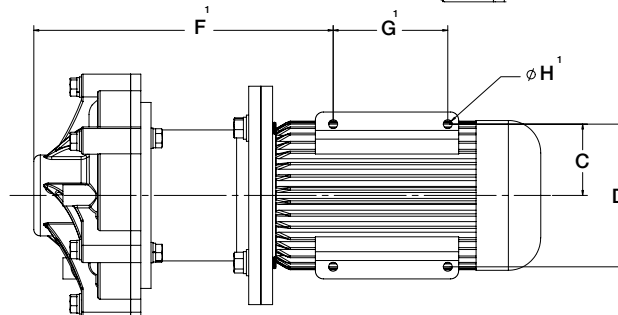
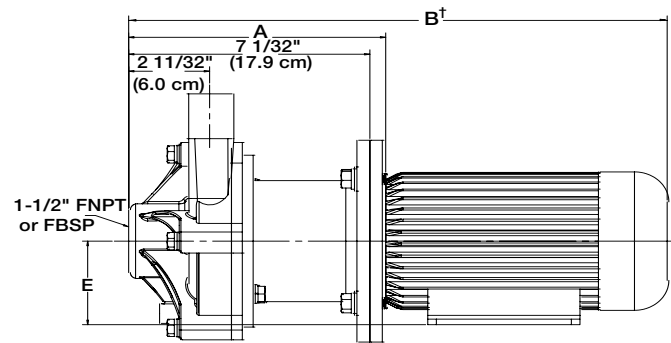
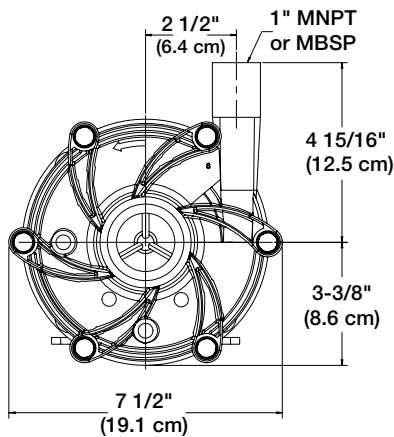
## APPLICATIONS

- + Chemical processing
- + Plating
- + Water and wastewater
- + Electronics
- + Pharmaceuticals
- + Wet scrubber
- + Pulp and paper
- + Heat exchanger
- + and many more!

Description	Polypropylene Models	PVDF Models
<b>1</b> Impeller housing	Glass-fiber reinforced polypropylene	Carbon-fiber reinforced PVDF
<b>1A</b> Impeller housing thrust ring options	High-purity alumina ceramic, silicon carbide	
<b>2</b> O-ring options	FKM, EPDM, Simriz®, Kalrez®	
<b>3</b> Impeller	Glass-fiber reinforced polypropylene	Carbon-fiber reinforced PVDF
<b>3A</b> Impeller thrust ring options	Glass-fiber molybdenum disulfide filled PTFE, silicon carbide	
<b>4</b> Inner drive	Neodymium iron boron magnets encapsulated in unfilled polypropylene	Neodymium iron boron magnets encapsulated in unfilled PVDF
<b>5</b> Bushing options	Carbon, PTFE, high-purity alumina ceramic, silicon carbide	
<b>6</b> Shaft options	High-purity alumina ceramic, Hastelloy® C, silicon carbide	
<b>7</b> Barrier	Glass-fiber reinforced polypropylene	Carbon-fiber reinforced PVDF
<b>7A</b> Barrier thrust ring	High-purity alumina ceramic	
<b>8</b> Clamp ring	Ductile iron	
<b>9</b> Motor adapter	Glass-fiber reinforced polypropylene	
<b>10</b> Outer drive magnet	Nickel plated neodymium iron boron magnets/steel	
<b>11A</b> Motor adapter sealing option (NEMA only)	Buna N (STD), FKM, EPDM	



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 Simriz® Perfluoroelastomer is a registered trademark of the Simrit®  
 division of Freudenberg-NOK  
 Hastelloy® C is a registered trademark of Haynes International, Inc.



<sup>1</sup> For F, G, and H, see the on-line Outline Dimensions booklet at [www.finishthompson.com](http://www.finishthompson.com) in the Downloads section.

Motor Frame	A	B <sup>†</sup>	C	D	E	Weight - lbs. [kg]	
						PP	PVDF
<b>NEMA 56C</b>	7-1/32" [17.9 cm]	17-9/32" [43.9 cm]	2-7/16" [6.2 cm]	4-7/8" [12.4 cm]	3-1/2" [8.9 cm]	10.5 [4.8]	11.1 [5.0]
<b>NEMA 145TC</b>	7-1/32" [17.9 cm]	17 25/32" [45.2 cm]	2-3/4" [7.0 cm]	5-1/2" [14.0 cm]	3-1/2" [8.9cm]	10.5 [4.8]	11.1 [5.0]
<b>IEC 63 w/B14 or B5 flange</b>	7-15/32" [19.0 cm]	14-23/32" [37.4 cm]	1-31/32" [5.0 cm]	3-15/16" [10.0 cm]	2-15/32" [6.3 cm]	14 [6.4]	15.0 [6.8]
<b>IEC 71 w/B14 or B5 flange</b>	7-15/32" [19.0 cm]	15-21/32" [39.8 cm]	2-7/32" [5.6 cm]	4-13/32" [11.2 cm]	2-25/32" [7.1 cm]	14 [6.4]	15.0 [6.8]
<b>IEC 80 w/B14 or B5 flange</b>	7-21/32" [19.4 cm]	17-15/32" [43.6 cm]	2-15/32" [6.3 cm]	4-29/32" [12.5 cm]	3-5/32" [8.0 cm]	11 [5.0]	12.0 [5.4]

Dimensions and weights are for reference only.  
 Varies with motor manufacturer.

Note:Weights listed above are for pumps only.Motor weights not included.

