

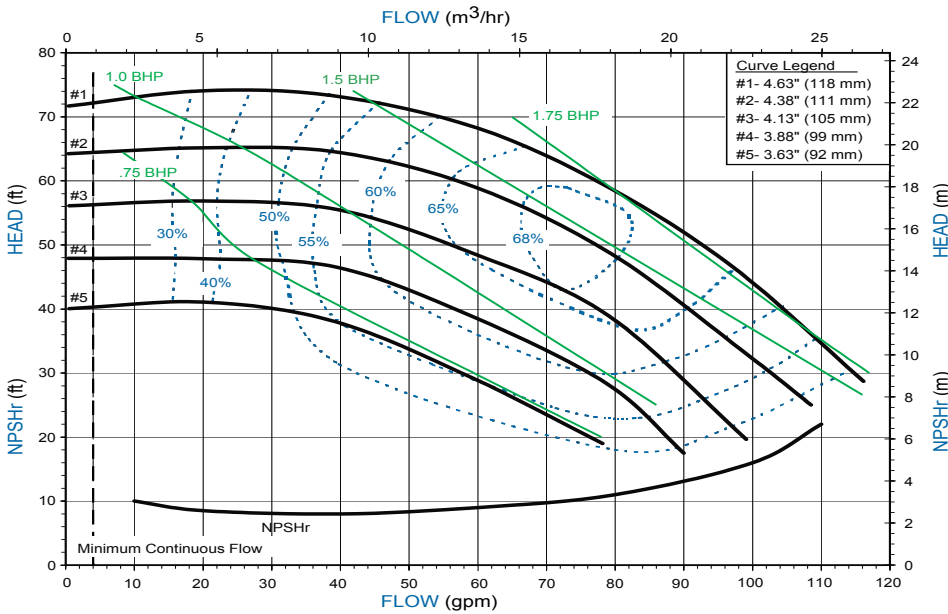


# DB SERIES

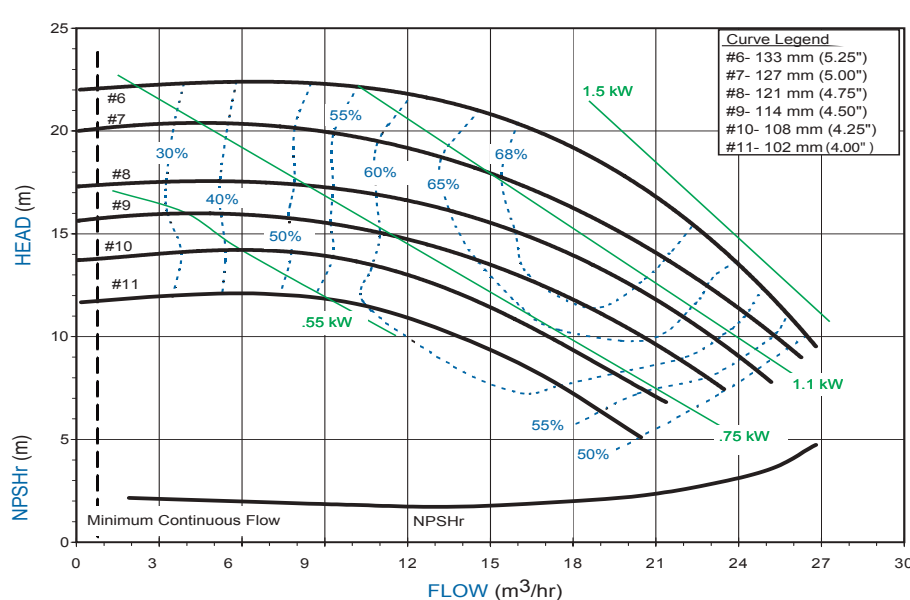
## MODEL DB11



### DB11 PERFORMANCE 3450 RPM



### DB11 PERFORMANCE 2900 RPM



## FEATURES & CAPABILITIES

- + Five-year warranty
- + Extended run dry ability (with carbon bushing)
- + High operating efficiency
- + East set, measurement-free drive
- + Polypropylene or PVDF construction
- + Powerful neodymium magnets
- + Close-coupled design
- + Threaded (NPT or BSP), union or flange connections
- + Vertical installation option with IEC motor
- + Back pullout design
- + Mounts to NEMA and IEC motor frames
- + Replaceable shaft
- + ISO 1940 G2.5 balancing
- + CE certified/ATEX available
- + Working pressure up to 90 psi (6.2 bar)
- + Specific gravity over 1.8
- + Viscosity up to 150 cP
- + Polypropylene—180° F (82° C)
- + PVDF—220° F (104° C)

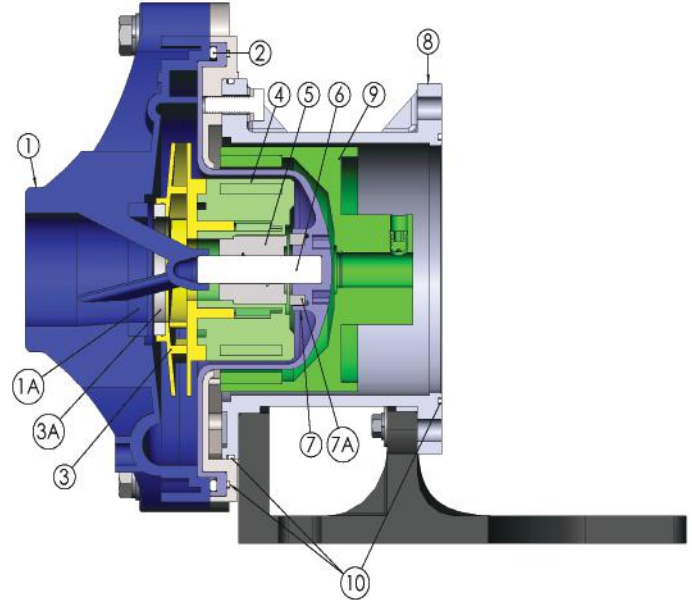
## APPLICATIONS

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

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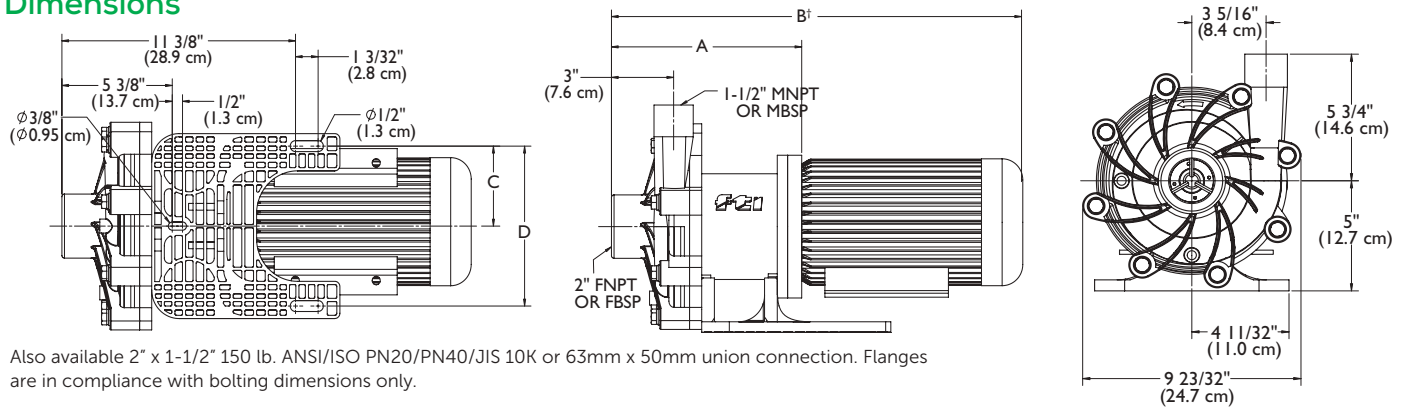
## Specifications

Description	Polypropylene	PVDF
1 Impeller housing	Glass-fiber reinforced polypropylene (GF PP)	Carbon-fiber reinforced PVDF (CF PVDF)
1A Impeller housing thrust ring	High purity alumina ceramic or silicon carbide (SiC)	
2 O-ring	FKM, EPDM, Simriz®, or Kalrez	
3 Impeller	GF PP	CF PVDF
3A Impeller thrust ring	GF molybdenum disulfide filled PTFE or SiC	
4 Inner drive	Neodymium iron boron magnets encapsulated in unfilled polypropylene	Neodymium iron boron magnets encapsulated in unfilled PVDF
5 Bushing	Carbon, PTFE, high purity alumina ceramic, or SiC	
6 Shaft	High purity alumina ceramic, Hastelloy® C, or SiC	
7 Barrier	GF PP	CF PVDF
7A Barrier thrust ring	High purity alumina ceramic	
8 Motor adapter	GF PP	
9 Outer drive magnets	Nickel-plated neodymium iron boron magnets/ steel	
10 Vapor protection	Buna N	



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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.

## Dimensions



Also available 2" x 1-1/2" 150 lb. ANSI/ISO PN20/PN40/JIS 10K or 63mm x 50mm union connection. Flanges are in compliance with bolting dimensions only.

Motor Frame	A	B <sup>†</sup>	C	D	lbs. [kg] PP	lbs. [kg] PVDF
NEMA 56C	8-17/32" [21.7 cm]	20-17/32" [52.1 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	21.6 [9.8]	22.8 [10.3]
NEMA 145TC	8-17/32" [21.7 cm]	18-29/32" [48.0 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	21.6 [9.8]	22.8 [10.3]
NEMA 184TC	9-13/32" [23.9 cm]	22-6/32" [56.4 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	25.7 [11.7]	26.9 [12.2]
IEC 80/90 w/B14 or B5*	9-5/32" [23.3 cm]	19-11/16" [50.0 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	22.1 [10]	23.3 [10.6]
IEC 80/90 w/B14 ATEX	9-5/32" [23.3 cm]	19-7/8" [50.5 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	N/A	23.5 [10.7]
IEC 100 w/B14 or B5*	9-7/32" [23.4 cm]	21-3/8" [54.3 cm]	3-5/32" [8.0 cm]	6-10/32" [16.0 cm]	25.2 [11.4]	26.4 [12]
IEC 100 w/B14 ATEX	9-7/32" [23.4 cm]	21-3/8" [54.3 cm]	3-5/32" [8.0 cm]	6-10/32" [16.0 cm]	N/A	26.6 [12.1]
IEC 112 w/B14 or B5*	9-7/32" [23.4 cm]	21-7/8" [55.6 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	25.2 [11.4]	26.4 [12]
IEC 112 w/B14 ATEX	9-7/32" [23.4 cm]	21-7/8" [55.6 cm]	3-3/4" [9.5 cm]	7-1/2" [19.1 cm]	N/A	26.6 [12.1]

Note: Contact factory for dimensions on flanged or union models. \*For B5 weight, add 3 lbs. to 80/90 B14 frame weight and 6 lbs. to 100/112 B14 frame weight.

<sup>†</sup>Varies with motor manufacturer.



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