

Industrial

BSTF Series



Applications

Monarch's BSTF Series of self priming centrifugal pumps are designed to be either belt driven or direct driven through a flexible coupling. This versatile design allows the option of connecting to the motor or engine of your choice.

Features

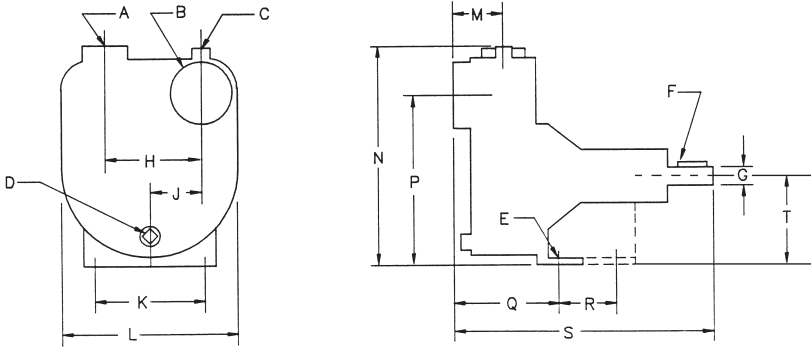
- **CASING** – Large rugged cast iron casing provides fast priming and long life.
- **SUCTION & DISCHARGE** – Sizes range from 1¼", 2" and 3" NPT.
- **IMPELLER** – Semi-open, 4 vane, cast gray iron impeller with "Blind Hole" for shaft protection.
- **SEAL** – Self lubricating mechanical seal, carbon ceramic faces. Viton and stainless steel for ag applications.
- **SHAFT** – One piece, high strength stress proof steel for easy mounting to your choice of motor.
- **BEARINGS** – Sealed double row bearings. The -83 and -125 models have two single row, deep groove, double seal ball bearings.



MONARCH

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Dimensional Outline



Model No.	Discharge A (NPT)	Suction B (NPT)	Priming Plug C NPT	Drain Plug D NPT	Mounting Holes E	Keyway F	Shaft Dia. G	H	J	K	L	M	N	P	Q	R	S	T
BSTF-51	1 1/4"	1 1/4"	3/4	3/4	.40	.19	.75	4.00	2.00	4.25	7.50	3.20	10.50	8.10	6.40	-	10.30	4.50
BSTF-82	2"	2"	3/4	3/4	.40	.19	.75	4.25	2.13	4.00	8.50	3.20	11.50	8.90	6.70	-	10.60	4.50
BSTF-83	2"	2"	3/4	3/4	.40	.25	.75	4.25	2.13	4.00	8.50	3.20	11.40	8.40	6.90	2.00	12.10	4.50
BSTF-125	3"	3"	3/4	3/4	.40	.25	.75	3.62	2.00	4.00	9.30	4.60	13.40	9.80	8.90	2.00	14.10	4.50

*Dimensions measured in inches

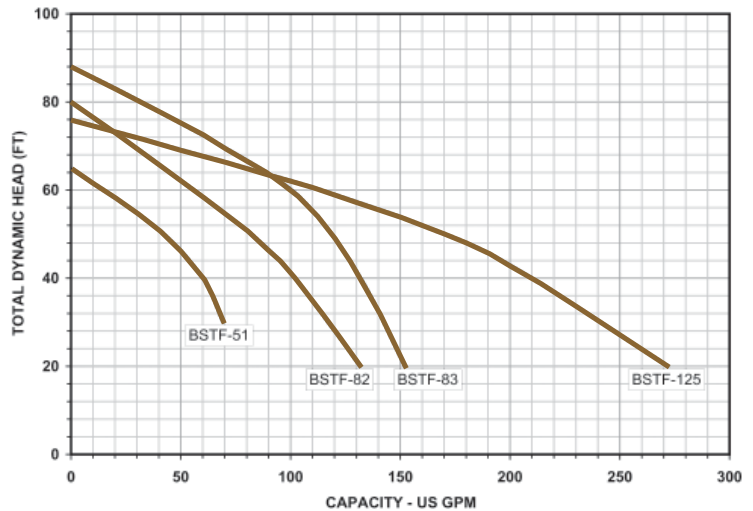
Performance Chart @ 3450 RPM

Model No.	HP	Total Head in Feet									
		20	25	30	35	40	50	60	70	80	
BSTF-51	1	68	68	68	67	62	45	17	-	-	
BSTF-82	2	127	124	118	112	100	78	52	23	-	
BSTF-83	3	152	152	150	147	142	125	100	43	-	
BSTF-125	5	267	254	240	224	205	165	110	70	35	

BSTF Series Frame Mount

Model No.	Item No.	Suction & Discharge NPT	Capacities U.S. GPM	Ship Wt. (lbs.)	Description
BSTF-51	615259	1 1/4"	68	28	3/4" shaft size, 3/16" keyway, includes stainless steel and Viton Seal.
BSTF-82	615258	2"	127	30	
BSTF-83	615256	2"	152	45	
BSTF-125	615257	3"	272	70	

Performance Data



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