

BOOSTER PUMPS

Franklin's booster pumps feature a stainless steel construction and are designed to meet any pressure-boosting need. The selection is available in a range of horsepower sizes, in single- and three-phase configurations, and offer high performance for a wide variety of applications. Whether boosting water pressure from a city main or a private water system, Franklin's quality pumps will fulfill the task.

PRODUCT FAMILY

- MH Series
- BT4 Series
- BT4 Series 56C Pump Ends

APPLICATIONS

- Pressure Boosting (from city mains or private water systems)
- Water Transfer and Circulation
- Lawn and Crop Irrigation
- Residential Lawn Sprinkler Systems
- Reverse Osmosis (MH/SS BT4)
- Filtration (SS BT4)
- Pressure Washing
- Poultry Houses
- Equipment Spray Cooling
- Evaporative Cooling System Misters
- General Purpose Plumbing
- Aeration
- Wash-Down Applications
- Commercial Water Features and Fountains
- Cisterns



MH Series



BT4 Series



BT4 Series 56C Pump Ends



MULTI-STAGE BOOSTER PUMPS - MH SERIES

FEATURES

- All 300-series stainless steel wet end
- Mechanical seal with carbon/ceramic faces, FKM elastomers, and 300-series stainless steel components
- Industry proven, UL778 approved, indoor/outdoor rated square-flange 2-compartment motors; three-phase inverter duty rated
- Available in 15, 30, and 45 gpm nominal flow ratings
- Maximum fluid temperatures up to 225 °F / 107C; maximum working pressure of 140 psi.
- Capable of suction lifts of up to 10 feet



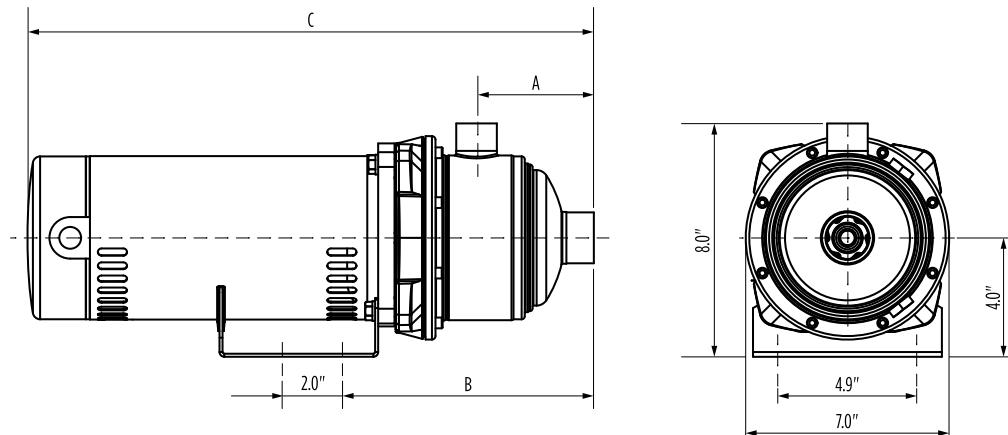
ORDERING INFORMATION

Dis. x Suc. (NPT)	Phase	Voltage	GPM	Stage	HP	S.F.A.	Model No.	Order No.	Wt. (lbs)		
1" x 1-1/4"	1	115/230	15	2	1/2	9.4/4.7	15FMH05S2	96061500	22		
				3	3/4	12.4/6.2	15FMH07S3	96061501	25		
				4	1	14.8/7.4	15FMH1S4	96061502	29		
				5	1-1/2	19.9/9.95	15FMH1SS5	96061503	35		
				6	2	24.0/12.0	15FMH2S6	96061504	40		
				2	3/4	12.4/6.2	30FMH07S2	96063000	25		
1" x 1-1/4"			30	3	1	14.8/7.4	30FMH1S3	96063001	33		
				4	1-1/2	19.9/9.95	30FMH1SS4	96063002	37		
				5	2	24.0/12.0	30FMH2S5	96063003	41		
				2	1-1/2	19.9/9.95	45FMH1S2	96064500	33		
1-1/4" x 1-1/2"	3	208-230/460	45	3	2	24.0/12.0	45FMH2S3	96064501	39		
				2	1/2	3.0/1.5	15FMH05S2-T	96061510	24		
				3	3/4	3.6/1.8	15FMH07S3-T	96061511	24		
				4	1	4.7/2.35	15FMH1S4-T	96061512	29		
				5	1-1/2	6.8/3.4	15FMH1SS5-T	96061513	34		
				6	2	8.5/4.25	15FMH2S6-T	96061514	42		
1" x 1-1/4"			30	2	3/4	3.6/1.8	30FMH07S2-T	96063010	24		
				3	1	4.7/2.35	30FMH1S3-T	96063011	33		
				4	1-1/2	6.8/3.4	30FMH1SS4-T	96063012	36		
				5	2	8.5/4.25	30FMH2S5-T	96063013	43		
1-1/4" x 1-1/2"			45	2	1-1/2	6.8/3.4	45FMH1S2-T	96064510	32		
				3	2	8.5/4.25	45FMH2S3-T	96064511	41		

MULTI-STAGE BOOSTER PUMPS - MH SERIES

DIMENSIONS

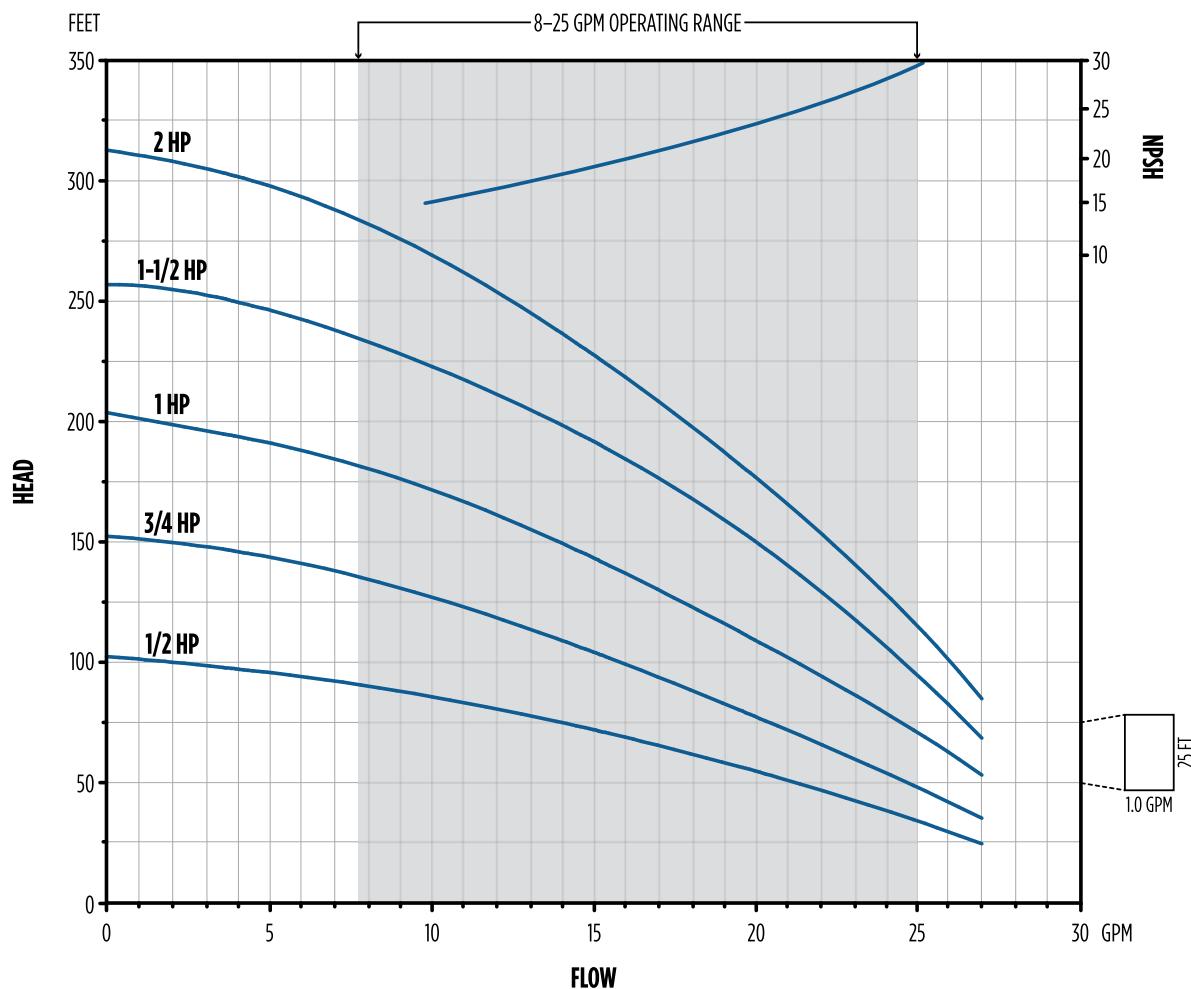
Phase	GPM	Stage	HP	Model	A	B	C
1	15	2	1/2	15FMH05S2	4.06"	8.75"	16.75"
		3	3/4	15FMH07S3	4.06"	8.75"	17.50"
		4	1	15FMH1S4	5.00"	9.69"	19.07"
		5	1-1/2	15FMH15S5	5.94"	10.64"	20.81"
		6	2	15FMH2S6	6.89"	11.58"	22.59"
	30	2	3/4	30FMH07S2	4.06"	8.75"	17.50"
		3	1	30FMH1S3	4.06"	8.75"	19.00"
		4	1-1/2	30FMH15S4	5.00"	9.69"	20.70"
		5	2	30FMH2S5	5.94"	10.64"	21.64"
	45	2	1-1/2	45FMH1S2	4.65"	9.34"	19.67"
		3	2	45FMH2S3	4.65"	9.34"	20.50"
3	15	2	1/2	15FMH05S2-T	4.06"	8.75"	16.97"
		3	3/4	15FMH07S3-T	4.06"	8.75"	17.62"
		4	1	15FMH1S4-T	5.00"	9.69"	18.92"
		5	1-1/2	15FMH15S5-T	5.94"	10.64"	20.78"
		6	2	15FMH2S6-T	6.89"	11.58"	22.56"
	30	2	3/4	30FMH07S2-T	4.06"	8.75"	17.62"
		3	1	30FMH1S3-T	4.06"	8.75"	18.85"
		4	1-1/2	30FMH15S4-T	5.00"	9.69"	20.67"
		5	2	30FMH2S5-T	5.94"	10.64"	21.61"
	45	2	1-1/2	45FMH1S2-T	4.65"	9.34"	19.64"
		3	2	45FMH2S3-T	4.65"	9.34"	20.47"





MULTI-STAGE BOOSTER PUMPS - MH SERIES

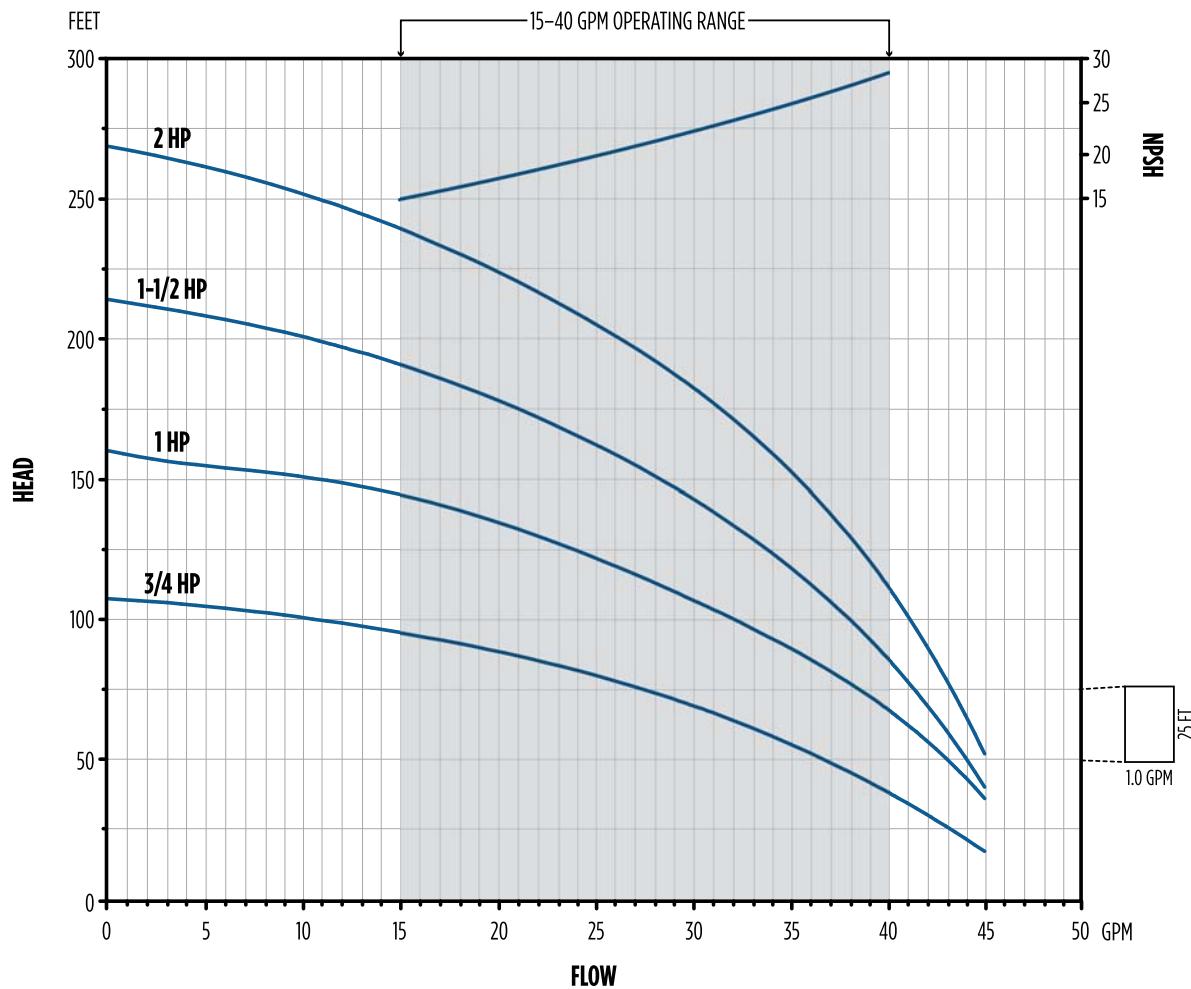
PERFORMANCE - 15 GPM



Model	HP	Total Head (ft)																											Shut-off Head (PSI)		
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270							
Capacities (GPM)																															
15FMH05S2	1/2	21.0	18.0	15.0	12.0	8.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44		
15FMH05S2-T																															
15FMH07S3	3/4	25.0	23.0	21.0	19.0	18.0	16.0	14.0	12.0	9.0	6.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66		
15FMH07S3-T																															
15FMH1S4	1	-	26.0	25.0	24.0	23.0	21.0	20.0	18.0	17.0	15.0	14.0	12.0	10.0	8.0	5.0	1.0	-	-	-	-	-	-	-	-	-	-	-	88		
15FMH1S4-T																															
15FMH15S5	1-1/2	-	-	27.0	26.0	25.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	16.0	15.0	14.0	12.0	10.0	9.0	6.0	4.0	-	-	-	-	-	-	111		
15FMH15S5-T																															
15FMH2S6	2	-	-	-	-	-	27.0	26.0	25.0	25.0	24.0	23.0	22.0	21.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	12.0	11.0	10.0	-	-	-	135		
15FMH2S6-T																															

MULTI-STAGE BOOSTER PUMPS - MH SERIES

PERFORMANCE - 30 GPM

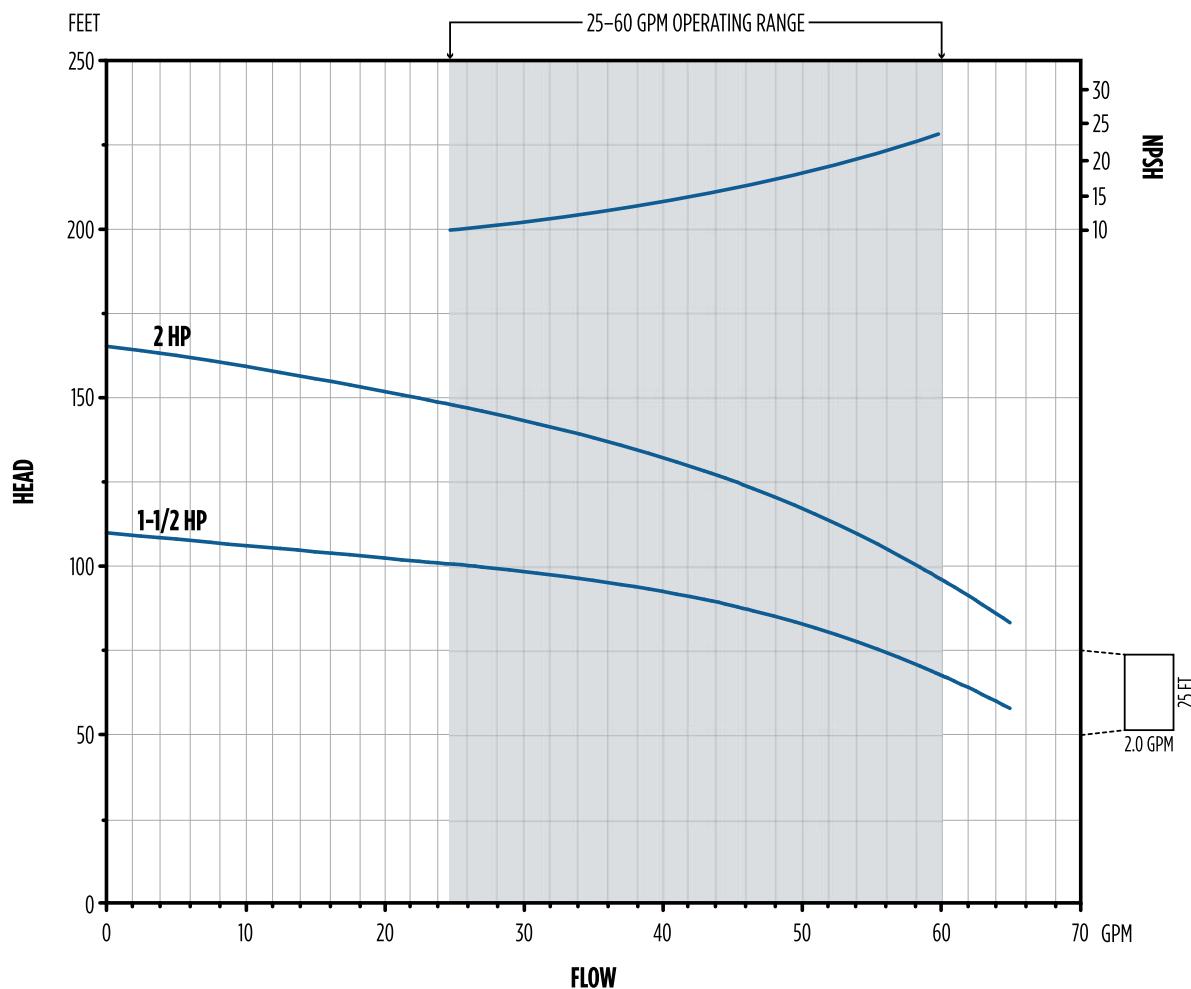


Model	HP	Total Head (ft)																				Shut-off Head (PSI)
		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	
30FMH07S2	3/4	37.0	33.0	30.0	25.0	19.0	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
30FMH07S2-T																						
30FMH1S3	1	43.0	41.0	40.0	37.0	35.0	32.0	29.0	26.0	22.0	17.0	11.0	-	-	-	-	-	-	-	-	-	69
30FMH1S3-T																						
30FMH1S54	1-1/2	44.0	43.0	42.0	41.0	39.0	38.0	36.0	35.0	33.0	31.0	28.0	26.0	23.0	19.0	15.0	10.0	3.0	-	-	-	93
30FMH1S54-T																						
30FMH2S5	2	-	44.0	44.0	43.0	42.0	41.0	40.0	39.0	38.0	37.0	35.0	34.0	32.0	30.0	28.0	26.0	24.0	21.0	18.0	15.0	116
30FMH2S5-T																						



MULTI-STAGE BOOSTER PUMPS - MH SERIES

PERFORMANCE - 45 GPM



Model	HP	Total Head (ft)												Shut-off Head (PSI)
		60	70	80	90	100	110	120	130	140	150	160		
45FMH15S2	1-1/2	64.0	59.0	52.0	43.0	26.0	-	-	-	-	-	-	47	
45FMH15S2-T														
45FMH2S3	2	-	-	-	62.0	58.0	54.0	48.0	42.0	33.0	22.0	9.0	71	
45FMH2S3-T														

HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

FEATURES

- Stainless steel discharge on all models with 1" NPT outlet
- Stainless steel or cast iron bracket; both with a rugged support foot for horizontal or vertical mounting, a handle for portability and with 1" NPT inlet
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, and shell
- CI version: Mechanical seal with phenolic/ceramic faces, Buna elastomers, and stainless steel components
- SS version: Mechanical seal with carbon/ceramic faces, FKM elastomers, and stainless steel components
- Industry-proven ODP square-flange 2-compartment motors are easily serviced or replaced without either dismantling the pump end or disturbing the plumbing connections
- High service factor, 1/2-3 hp, 2-compartment dual-voltage motors; three-phase inverter duty rated
- Maximum fluid temperature of up to 120 °F/49 °C; 150 psi maximum working pressure



ORDERING INFORMATION

Phase	Volts	GPM	Construction	HP	S.F.A.	Model	Order No.	Wt. (lbs)	
3	208-230/460	5	Stainless Steel	1/2	3.0/1.5	5FBT05S4-T	95830555	37	
				3/4	3.6/1.8	5FBT07S4-T	95830560	41	
				1	4.7/2.35	5FBT1S4-T	95830565	46	
				1/2	3.0/1.5	7FBT05S4-T	95830755	37	
	208-230/460	7		3/4	3.6/1.8	7FBT07S4-T	95830760	40	
				1	4.7/2.35	7FBT1S4-T	95830765	46	
				1-1/2	6.8/3.4	7FBT15S4-T	95830770	53	
				1/2	3.0/1.5	10FBT05S4-T	95831055	37	
	208-230/460	10		3/4	3.6/1.8	10FBT07S4-T	95831060	39	
				1	4.7/2.35	10FBT1S4-T	95831065	45	
				1-1/2	6.8/3.4	10FBT15S4-T	95831070	52	
				2	8.5/4.25	10FBT2S4-T	95831075	56	
	208-230/460	15		3/4	3.6/1.8	15FBT07S4-T	95831560	39	
				1	4.7/2.35	15FBT1S4-T	95831565	44	
				1-1/2	6.8/3.4	15FBT15S4-T	95831570	49	
				2	8.5/4.25	15FBT2S4-T	95831575	55	
	208-230/460	20		3/4	3.6/1.8	20FBT07S4-T	95832060	39	
				1	4.7/2.35	20FBT1S4-T	95832065	44	
				1-1/2	6.8/3.4	20FBT15S4-T	95832070	51	
				2	8.5/4.25	20FBT2S4-T	95832075	55	
	208-230/460	25		3	10.0/5.0	20FBT3S4-T	95832080	67	
				1	4.7/2.35	25FBT1S4-T	95832565	44	
				1-1/2	6.8/3.4	25FBT15S4-T	95832570	48	
				2	8.5/4.25	25FBT2S4-T	95832575	54	
				3	10.0/5.0	25FBT3S4-T	95832580	66	

HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

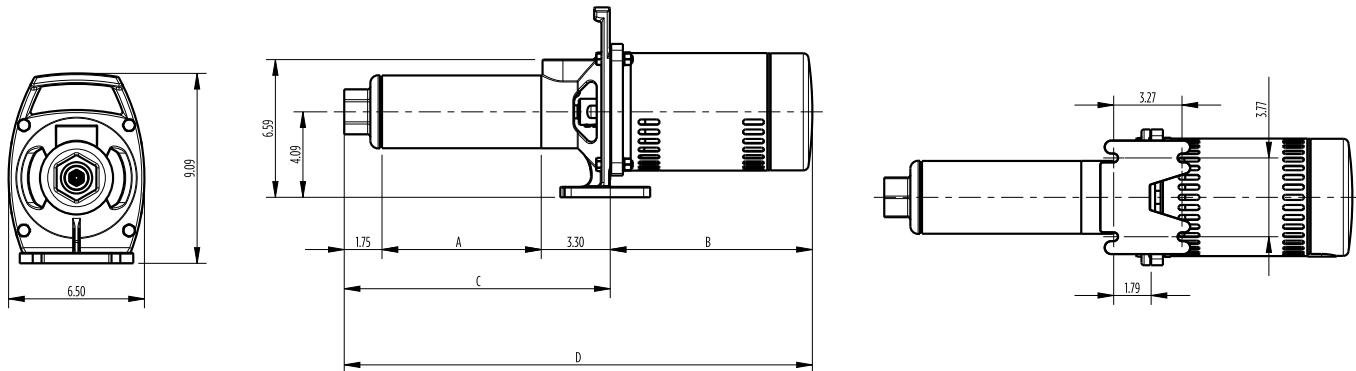
ORDERING INFORMATION

Phase	Volts	GPM	Inlet Construction	HP	S.F.A.	Model	Order No.	Wt. (lbs)
1	115/230	5	Stainless Steel	1/2	12.4/6.2	5FBT05S4	95830510	37
				3/4	14.8/7.4	5FBT07S4	95830515	41
				1	19.9/9.95	5FBT1S4	95830520	46
		Cast Iron	Stainless Steel	1/2	12.4/6.2	5FBT05C4	95880505	36
				3/4	14.8/7.4	5FBT07C4	95880510	40
				1	19.9/9.95	5FBT1C4	95880515	43
		7	Stainless Steel	1/2	12.4/6.2	7FBT05S4	95830710	37
				3/4	14.8/7.4	7FBT07S4	95830715	40
				1	19.9/9.95	7FBT1S4	95830720	46
			Cast Iron	1-1/2	24.0/12.0	7FBT15S4	95830725	53
				1/2	12.4/6.2	7FBT05C4	95880705	36
				3/4	14.8/7.4	7FBT07C4	95880710	40
		10	Stainless Steel	1	19.9/9.95	7FBT1C4	95880715	43
				1-1/2	24.0/12.0	7FBT15C4	95880720	48
				2	24.0/12.0	10FBT2S4	95831030	56
			Cast Iron	1/2	12.4/6.2	10FBT05C4	95881005	35
				3/4	14.8/7.4	10FBT07C4	95881010	39
				1	19.9/9.95	10FBT1C4	95881015	42
		15	Stainless Steel	1-1/2	24.0/12.0	10FBT15C4	95881020	48
				2	24.0/12.0	10FBT2C4	95881025	55
				3/4	14.8/7.4	15FBT07S4	95831515	39
			Cast Iron	1	19.9/9.95	15FBT1S4	95831520	44
				1-1/2	24.0/12.0	15FBT15S4	95831525	49
				2	24.0/12.0	15FBT2S4	95831530	55
		20	Stainless Steel	3/4	14.8/7.4	15FBT07C4	95881510	39
				1	19.9/9.95	15FBT1C4	95881515	41
				1-1/2	24.0/12.0	15FBT15C4	95881520	47
			Cast Iron	2	24.0/12.0	15FBT2C4	95881525	52
				3/4	14.8/7.4	20FBT07S4	95832015	39
				1	19.9/9.95	20FBT1S4	95832020	44
		115/230	Stainless Steel	1-1/2	24.0/12.0	20FBT15S4	95832025	51
				2	24.0/12.0	20FBT2S4	95832030	55
				3	13.3	20FBT3S4	95832035	67
			Cast Iron	3/4	14.8/7.4	20FBT07C4	95882010	39
				1	19.9/9.95	20FBT1C4	95882015	41
		230	Stainless Steel	1-1/2	24.0/12.0	20FBT15C4	95882020	47
				2	24.0/12.0	20FBT2C4	95882025	54
				3	13.3	20FBT3C4	95882035	70
			Cast Iron	1	19.9/9.95	25FBT1S4	95832520	44
				1-1/2	24.0/12.0	25FBT15S4	95832525	48
				2	24.0/12.0	25FBT2S4	95832530	54
		115/230	Stainless Steel	3	13.3	25FBT3S4	95832535	66
				1	19.9/9.95	25FBT1C4	95882515	41
				1-1/2	24.0/12.0	25FBT15C4	95882520	46
			Cast Iron	2	24.0/12.0	25FBT2C4	95882525	51
				3	13.3	25FBT3C4	95882535	69

HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

DIMENSIONS

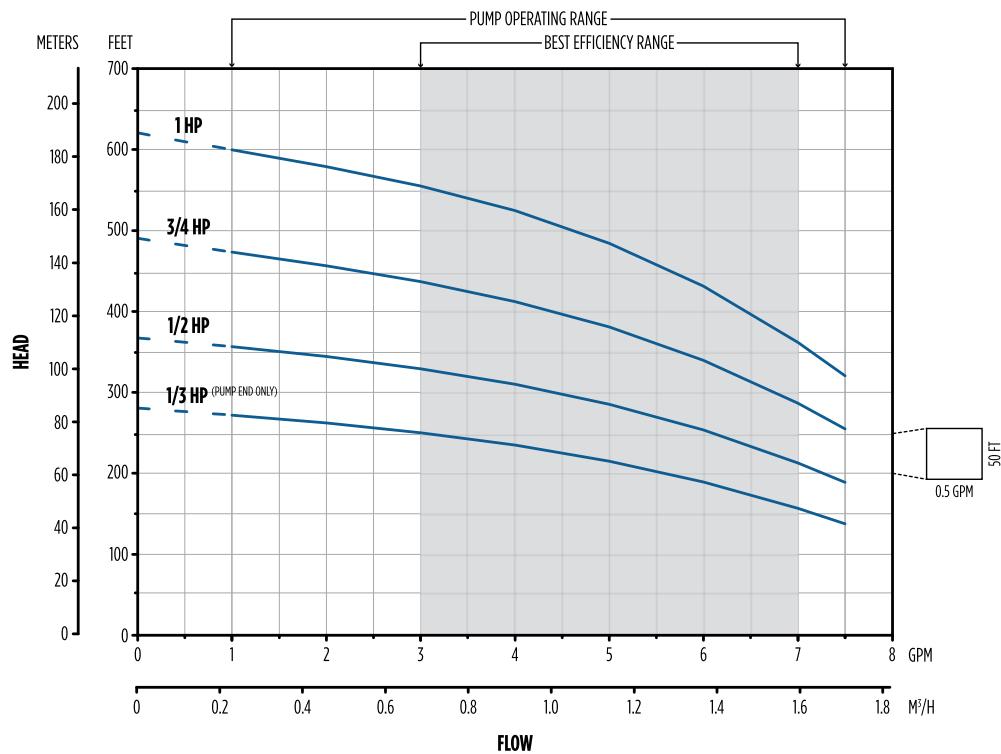
GPM	HP	Stage	A	B	C	D
5	1/3	7	8.44	9.63	13.49	23.12
	1/2	9	10.09	10.38	15.14	25.52
	3/4	12	12.55	11.00	17.60	28.60
	1	15	15.01	11.88	20.06	31.94
7	1/3	6	7.62	9.63	12.67	22.30
	1/2	8	9.26	10.38	14.31	24.69
	3/4	10	10.91	11.00	15.96	26.96
	1	14	14.19	11.88	19.24	31.12
	1-1/2	19	18.30	12.63	23.35	35.98
10	1/3	5	7.2	9.63	12.27	21.90
	1/2	7	9.02	10.38	14.07	24.45
	3/4	8	9.93	11.00	14.98	25.98
	1	11	12.64	11.88	17.69	29.57
	1-1/2	15	16.26	12.63	21.31	33.94
	2	18	18.97	12.63	24.02	36.65
15	1/2	5	7.22	10.38	12.27	22.65
	3/4	6	8.12	11.00	13.17	24.17
	1	8	9.93	11.88	14.98	26.86
	1-1/2	12	13.54	12.63	18.59	31.22
	2	15	16.26	12.63	21.31	33.94
20	1/2	4	7.59	10.38	12.64	23.02
	3/4	5	8.82	11.00	13.87	24.87
	1	7	11.26	11.88	16.31	28.19
	1-1/2	10	14.94	12.63	19.99	32.62
	2	12	17.38	12.63	22.43	35.06
	3	15	21.06	13.18	26.11	39.29
25	3/4	4	7.59	11.00	12.64	23.64
	1	6	10.04	11.88	15.09	26.97
	1-1/2	8	12.49	12.63	17.54	30.17
	2	10	14.94	12.63	19.99	32.62
	3	13	18.61	13.18	23.66	36.84



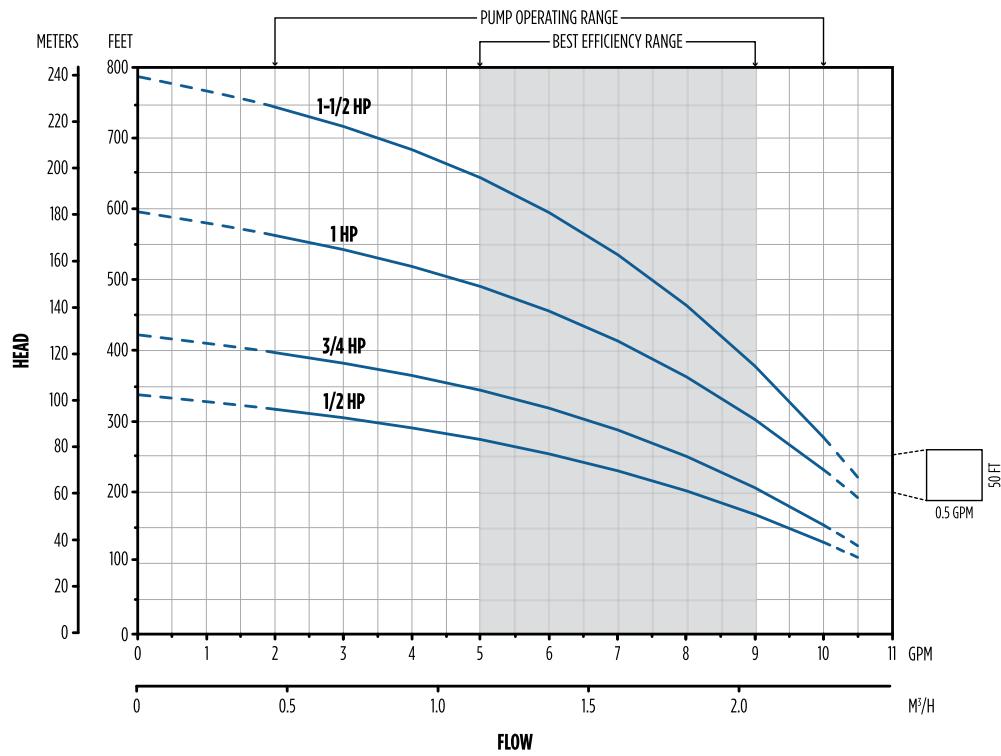


HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

PERFORMANCE: 5 GPM



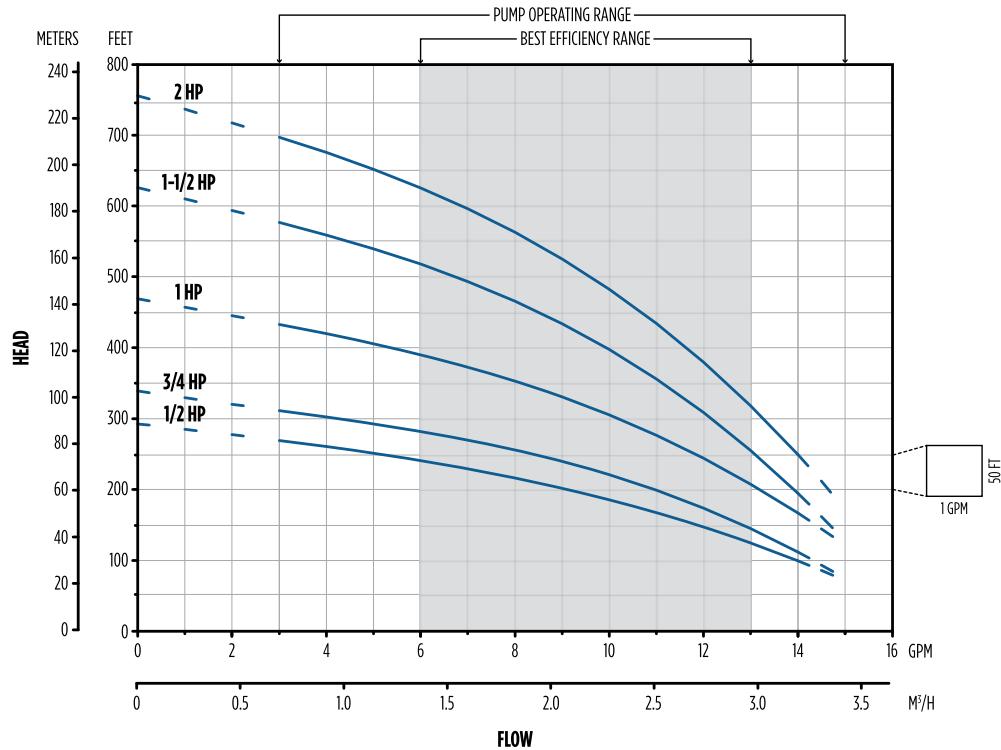
PERFORMANCE: 7 GPM



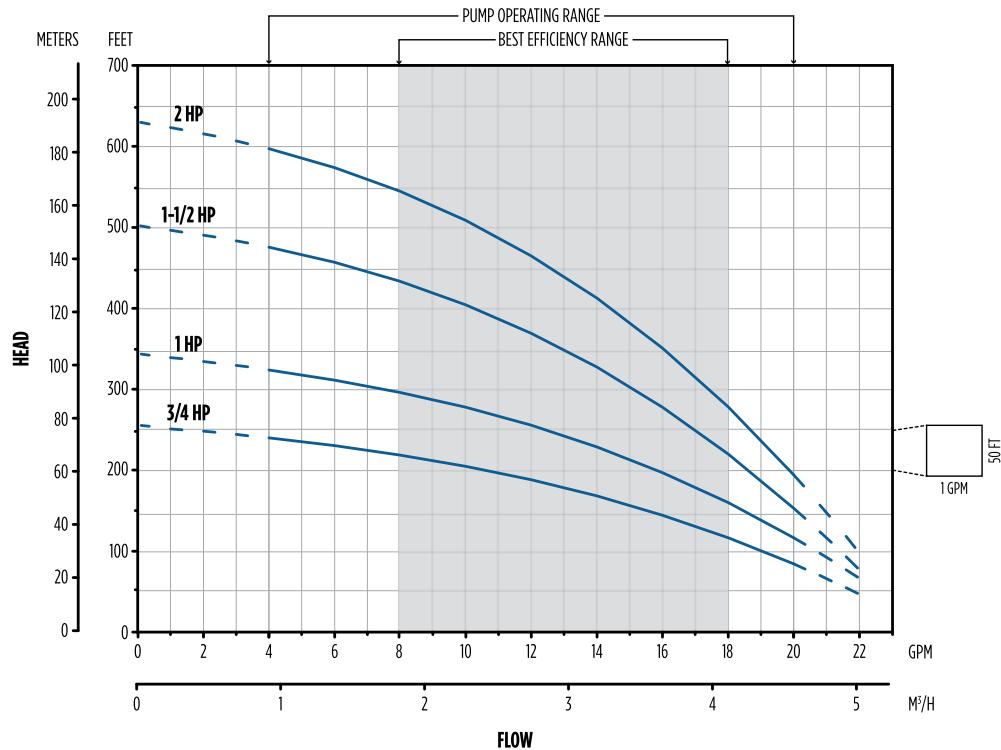


HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

PERFORMANCE: 10 GPM



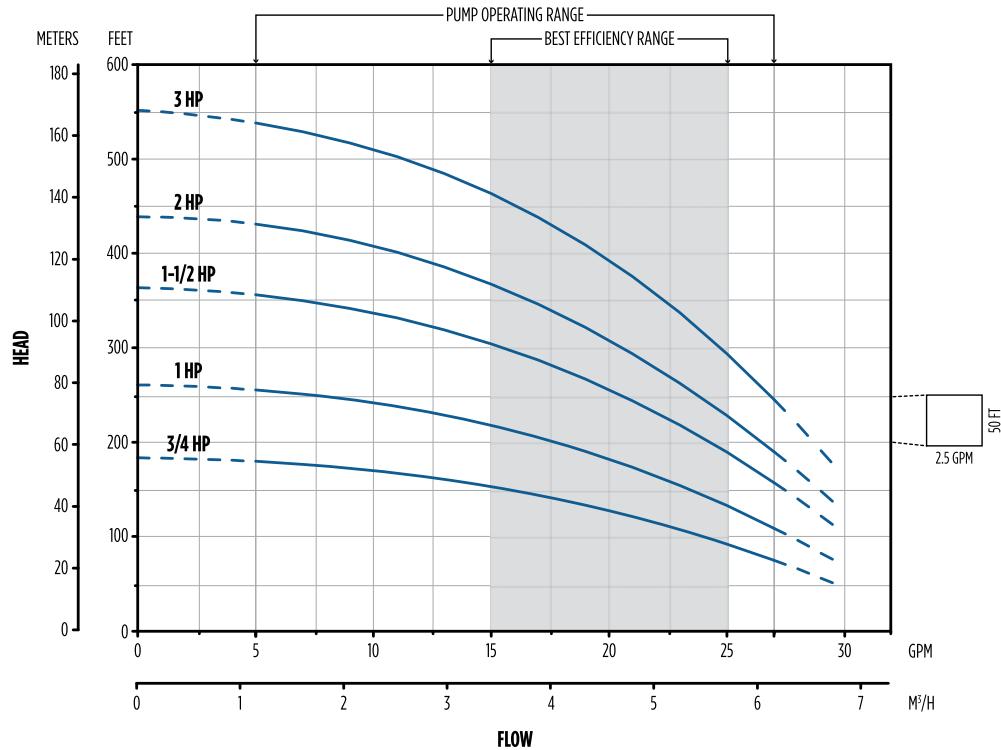
PERFORMANCE: 15 GPM



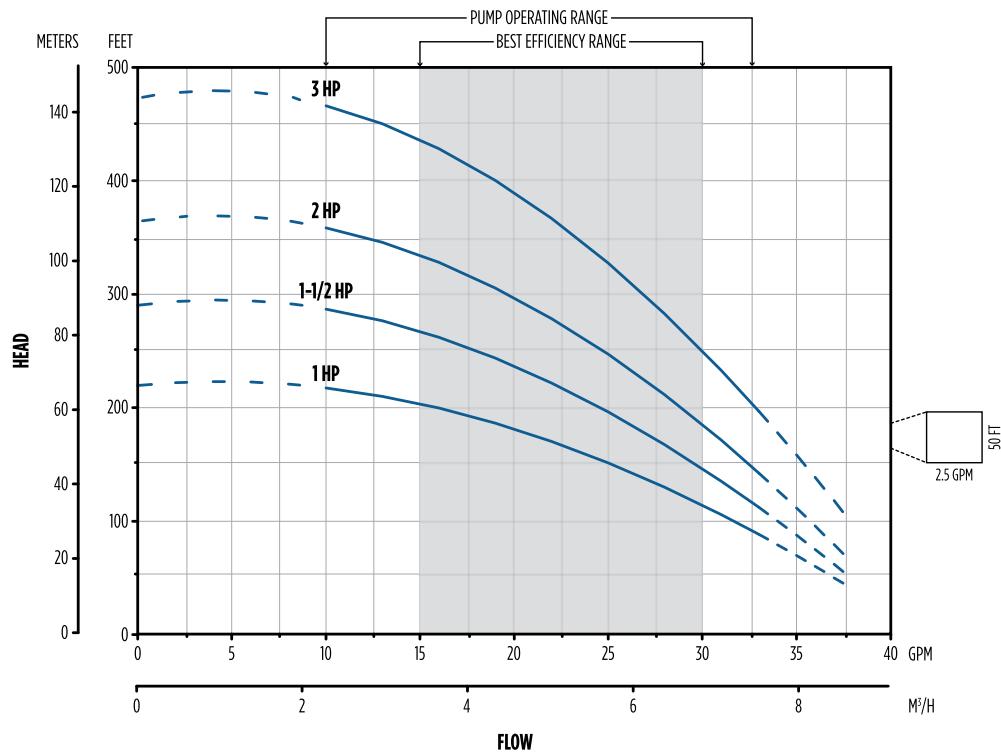


HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

PERFORMANCE: 20 GPM



PERFORMANCE: 25 GPM



HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES 56C PUMP ENDS FOR 56C KEYED SHAFT MOTORS

FEATURES

- Stainless steel bracket with a rugged support foot for horizontal or vertical mounting, plus built-in handle
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, shell and discharge connection
- Mechanical seal with carbon/ceramic faces, FKM elastomer, and stainless steel components
- Maximum fluid temperature of up to 120F/40C; 150 psi maximum working pressure
- 1" NPT inlet and outlet connections, all models



ORDERING INFORMATION

GPM	HP	Model	Order No.	Wt. (lbs)
5	1/3	5BT03S4-PE	95920507	18
	1/2	5BT05S4-PE	95920509	19
	3/4	5BT07S4-PE	95920512	20
	1	5BT1S4-PE	95920515	21
7	1/2	7BT05S4-PE	95920708	18
	3/4	7BT07S4-PE	95920710	19
	1	7BT1S4-PE	95920714	20
	1-1/2	7BT15S4-PE	95920719	24
10	1/2	10BT05S4-PE	95921007	18
	3/4	10BT07S4-PE	95921008	19
	1	10BT1S4-PE	95921011	20
	1-1/2	10BT15S4-PE	95921015	23
	2	10BT2S4-PE	95921018	24
15	1/2	15BT05S4-PE	95921505	17
	3/4	15BT07S4-PE	95921506	18
	1	15BT1S4-PE	95921508	19
	1-1/2	15BT15S4-PE	95921512	20
	2	15BT2S4-PE	95921515	23
20	1/2	20BT05S4-PE	95922004	17
	3/4	20BT07S4-PE	95922005	18
	1	20BT1S4-PE	95922007	19
	1-1/2	20BT15S4-PE	95922010	20
	2	20BT2S4-PE	95922012	23
	3	20BT3S4-PE	95922015	24
25	1	25BT1S4-PE	95922506	18
	1-1/2	25BT15S4-PE	95922508	19
	2	25BT2S4-PE	95922510	20
	3	25BT3S4-PE	95922513	24