



Booster Pump Selection Guide

- (1) Determine pressure boost required above existing pressure. → (2) Determine gallons per minute (gpm) to be pumped. → (3) Read across top of table to Flow Rate and desired psi. → (4) Read down column to required gallons per minute (gpm).



**Single Phase,
115/230V AC,
Cast Iron
45MW66**



**Single Phase,
115/230V AC,
Cast Iron
22W711**



**Three Phase,
208-230/460V AC,
Stainless Steel
44ZC10**



Horizontal Booster Pumps

■ NPT connections, except 5UWJ9 is flange
Pumps reach higher pressures than standard centrifugal pumps and they're used in specialized, industrial, and commercial applications where higher heads are required. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 153.

HP	Flow Rate @ 20 psi	Flow Rate @ 30 psi	Flow Rate @ 40 psi	Flow Rate @ 50 psi	Flow Rate @ 60 psi	No. of Stages	Shut Off Pressure (Maximum)	Intake and Discharge Size	Motor Encl.†	For Use With Systems	Maximum Media Temperature	Case Pressure (Maximum)	Brand	Mfr. Model	Item No.	
Single Phase, 115/230V AC Cast Iron Housing																
1/8	7.8 gpm	7.3 gpm	6.8 gpm	6 gpm	5.1 gpm	7	90 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW66	45MW66	
	9.6 gpm	9 gpm	8.3 gpm	7.5 gpm	6.5 gpm	8	96 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB0508A031	22W709	
	18 gpm	15.4 gpm	12 gpm	6.7 gpm	—	3	58 psi	3/4 in, 3/4 in	ODP	Non-Potable	194 °F	150 psi	Dayton	5UXF3	5UXF3	
	26 gpm	—	—	—	—	1	27 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103031AB	49CD17	
	28 gpm	—	—	—	—	1	27 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Dayton	45MW11	45MW11	
	9.5 gpm	9 gpm	8.3 gpm	7.6 gpm	7.1 gpm	12	132 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB0512A051	22W710	
	19 gpm	17.7 gpm	16 gpm	13.5 gpm	10 gpm	4	77 psi	3/4 in, 3/4 in	ODP	Non-Potable	194 °F	150 psi	Dayton	5UXF4	5UXF4	
	40 gpm	0 gpm	—	—	—	1	30 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Dayton	45MW12	45MW12	
	40 gpm	11 gpm	—	—	—	1	32 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103051AB	32ZN60	
	9.7 gpm	9.5 gpm	9.1 gpm	8.8 gpm	8.3 gpm	16	189 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB0516A071	22W713	
	12.8 gpm	11.9 gpm	11 gpm	10.8 gpm	10.6 gpm	9	141 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW68	45MW68	
	13.4 gpm	12.9 gpm	12.2 gpm	11.5 gpm	10.9 gpm	12	158 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB0712A071	22W711	
3/4	14.4 gpm	14 gpm	13.5 gpm	13.1 gpm	12.8 gpm	13	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	216 psi	Goulds	7GB07	32J683	
	19.5 gpm	18.6 gpm	17.5 gpm	15.7 gpm	13.5 gpm	5	93 psi	3/4 in, 3/4 in	ODP	Non-Potable	194 °F	150 psi	Dayton	5UXF5	5UXF5	
	52 gpm	19 gpm	—	—	—	1	33 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Dayton	45MW13	45MW13	
	54 gpm	19 gpm	—	—	—	1	33 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103071	22W740	
	14.8 gpm	14.7 gpm	14.6 gpm	14.1 gpm	13.5 gpm	12	171 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW72	45MW72	
	15.5 gpm	15 gpm	14.5 gpm	14 gpm	13.4 gpm	14	183 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB1014A101	22W715	
	19 gpm	18.2 gpm	17.4 gpm	17 gpm	16 gpm	10	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	242 psi	Goulds	10GB010	32J684	
	38 gpm	34 gpm	27 gpm	20 gpm	5 gpm	2	62 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Flint & Walling	CJ101B101AB	32ZN63	
	43 gpm	35.5 gpm	27 gpm	15 gpm	—	3	59 psi	1 1/2 in, 1 in	ODP	Non-Potable	194 °F	150 psi	Dayton	5UXF6	5UXF6	
	59 gpm	44 gpm	21 gpm	—	—	1	42 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Dayton	45MW16	45MW16	
	62 gpm	41 gpm	—	—	—	1	39 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103101	22W742	
	32 gpm	27 gpm	23 gpm	3 gpm	—	2	60 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Dayton	45MW18	45MW18	
1	8 gpm	7.5 gpm	7 gpm	6.4 gpm	5.7 gpm	8	120 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW67	45MW67	
	15.3 gpm	14.8 gpm	14.3 gpm	13.8 gpm	13.3 gpm	13	194 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW74	45MW74	
	16 gpm	15.5 gpm	15 gpm	14.5 gpm	14.1 gpm	16	212 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB1016A151	22W717	
	19.4 gpm	19.2 gpm	18.6 gpm	18.2 gpm	17.8 gpm	15	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	242 psi	Goulds	10GB015	32J686	
	45 gpm	40 gpm	35 gpm	28 gpm	19 gpm	2	69 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Flint & Walling	CJ101B151AB	22W753	
	48 gpm	43 gpm	38 gpm	31 gpm	23 gpm	4	81 psi	1 1/4 in, 1 in	ODP	Non-Potable	194 °F	150 psi	Dayton	5UXF7	5UXF7	
	88 gpm	68 gpm	27 gpm	—	—	1	43 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103151	22W744	
	34 gpm	32.5 gpm	31.5 gpm	31 gpm	29.5 gpm	11	147 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB2711A201	22W719	
	47 gpm	45 gpm	42.5 gpm	40 gpm	35.2 gpm	6	85 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB3506A201	22W721	
	50 gpm	44 gpm	41 gpm	37 gpm	33 gpm	3	98 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Flint & Walling	CJ101C201AB	22W761	
	50 gpm	48 gpm	42 gpm	48 gpm	27 gpm	2	70 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Flint & Walling	CJ101B201AB	22W757	
	86 gpm	77 gpm	57 gpm	—	—	1	45 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Flint & Walling	CJ103201	22W746	
Stainless Steel Housing																
1/2	8 gpm	7.5 gpm	7 gpm	6.4 gpm	5.7 gpm	8	120 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW84	45MW84	
	9.2 gpm	8.8 gpm	8.4 gpm	7.6 gpm	7.2 gpm	9	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	260 psi	Goulds	5GB505	32J697	
	9.7 gpm	9.5 gpm	9.1 gpm	8.8 gpm	8.3 gpm	16	189 psi	3/4 in, 3/4 in	ODP	Potable	140 °F	—	Flint & Walling	PB0516S071	44ZC11	
	12.8 gpm	11.9 gpm	11 gpm	10.8 gpm	10.6 gpm	9	141 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW85	45MW85	
	14.4 gpm	14 gpm	13.5 gpm	13.1 gpm	12.8 gpm	13	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	216 psi	Goulds	7GB07	32J695	
	14.8 gpm	14.7 gpm	14.6 gpm	14.1 gpm	13.5 gpm	12	171 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW87	45MW87	
	15.5 gpm	15 gpm	14.5 gpm	14 gpm	13.4 gpm	14	183 psi	3/4 in, 3/4 in	ODP	Potable	140 °F	300 psi	Flint & Walling	PB1014S101	22W730	
	19 gpm	18.2 gpm	17.4 gpm	17 gpm	16 gpm	10	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	242 psi	Goulds	10GBS10	32J688	
	—	25 gpm	23 gpm	19 gpm	15 gpm	4	88 psi	1 1/4 in, 1 in	ODP	Potable	225 °F	150 psi	Franklin Electric	96061502	22D093	
	9.5 gpm	9 gpm	8.3 gpm	7.6 gpm	7.1 gpm	12	132 psi	3/4 in, 3/4 in	ODP	Potable	140 °F	300 psi	Flint & Walling	PB0512S051	22W727	
	15.3 gpm	14.8 gpm	14.3 gpm	13.8 gpm	13.3 gpm	13	194 psi	3/4 in, 3/4 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW89	45MW89	
	16 gpm	15.5 gpm	15 gpm	14.5 gpm	14.1 gpm	16	212 psi	3/4 in, 3/4 in	ODP	Potable	140 °F	300 psi	Flint & Walling	PB1016S151	22W732	
1 1/2	19.4 gpm	19.2 gpm	18.6 gpm	18.2 gpm	17.8 gpm	15	75 psi	1 in, 1 in	ODP	Non-Potable	160 °F	242 psi	Goulds	10GBS15	32J692	
	44 gpm	42 gpm	39 gpm	35.5 gpm	31 gpm	4	93 psi	1 1/4 in, 1 in	ODP	Potable	225 °F	150 psi	Franklin Electric	96063002	22D04	
	27 gpm	26 gpm	25.7 gpm	25 gpm	24.2 gpm	14	190 psi	3/4 in, 3/4 in	ODP	Potable	140 °F	—	Flint & Walling	PB1914S201	44ZC15	
	34 gpm	32.5 gpm	31.5 gpm	31 gpm	29.5 gpm	11	147 psi	1 in, 1 in	ODP	Potable	140 °F	300 psi	Flint & Walling	PB2711S201	22W734	
	—	44 gpm	42 gpm	39.5 gpm	37 gpm	5	116 psi	1 1/4 in, 1 in	ODP	Potable	225 °F	150 psi	Franklin Electric	96063003	22D05	
	—	—	64 gpm	60 gpm	54 gpm	3	225 psi	2 in, 2 in	ODP	Potable	180 °F	485 psi	Goulds	45HB13012	32J721	
	Single Phase, 115V AC Stainless Steel Housing															
	1	24 gpm	21 gpm	15 gpm	10 gpm	4 gpm	3	112 psi	1 in, 1 in	TEFC	Potable	—	120 psi	Flint & Walling	VP10	32JA74
	1 1/2	15 gpm	9 gpm	—	—	—	2	39 psi	1 in, 1 in	TEFC	Potable	—	120 psi	Flint & Walling	VP05	32JA75
	Single Phase, 230V AC Cast Iron Housing															
	1 1/2	75 gpm	61 gpm	36 gpm	—	—	1	44 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	100 psi	Dayton	45MW20	45MW20
		—	35 gpm	29 gpm	20 gpm	10 gpm	2	65 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Dayton	45MW22	45MW22
—		34 gpm	32 gpm	29 gpm	25 gpm	3	88 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Dayton	45MW28	45MW28	
31.2 gpm		30.5 gpm	29.8 gpm	28.7 gpm	27.5 gpm	13	172 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW83	45MW83	
34.5 gpm		37.5 gpm	33 gpm	32.5 gpm	31.5 gpm	14	187 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB2711A301	22W723	
47.5 gpm		46 gpm	44 gpm	42.5 gpm	40 gpm	8	118 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Flint & Walling	PB3508A301	22W725	
51 gpm		48 gpm	45 gpm	41.5 gpm	38 gpm	6	121 psi	1 1/4 in, 1 in	TEFC	Non-Potable	194 °F	150 psi	Dayton	5UXF9	5UXF9	
55 gpm		52 gpm	49 gpm	45 gpm	40 gpm	3	95 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Flint & Walling	CJ101C301AB	22W765	
74.4 gpm		75 gpm	65 gpm	60 gpm	51.1 gpm	6	83 psi	2 in, 2 in	ODP	Non-Potable	140 °F	—	Flint & Walling	PB5506A301	44ZC18	
—		39 gpm	37 gpm	33 gpm	30 gpm	3	92 psi	1 1/2 in, 1 1/4 in	ODP	Non-Potable	200 °F	160 psi	Dayton	45MW30	45MW30	
5		143 gpm	137 gpm	124 gpm	111 gpm	91 gpm	2	85 psi	3 in, 2 in	ODP	Non-Potable	200 °F	120 psi	Flint & Walling	C22251	22W770
Stainless Steel Housing																
2	30.1 gpm	29 gpm	27.9 gpm	26.9 gpm	25.9 gpm	9	134 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW91	45MW91	
3	31.2 gpm	30.5 gpm	29.8 gpm	28.7 gpm	27.5 gpm	13	172 psi	1 in, 1 in	ODP	Non-Potable	140 °F	300 psi	Dayton	45MW93	45MW93	
3	34.5 gpm	37.5 gpm	33 gpm	32.5 gpm	31.5 gpm	14	187 psi	1 in, 1 in	ODP	Potable	140 °F	300 psi	Flint & Walling	PB2711A301	22W736	

† TEFC = Totally Enclosed Fan Cooled. ODP = Open Dripproof.

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