

BERKELEY[®] BVM, BVMI, BVMX
VERTICAL MULTI-STAGE
PUMPS - 60 HZ.



BERKELEY®

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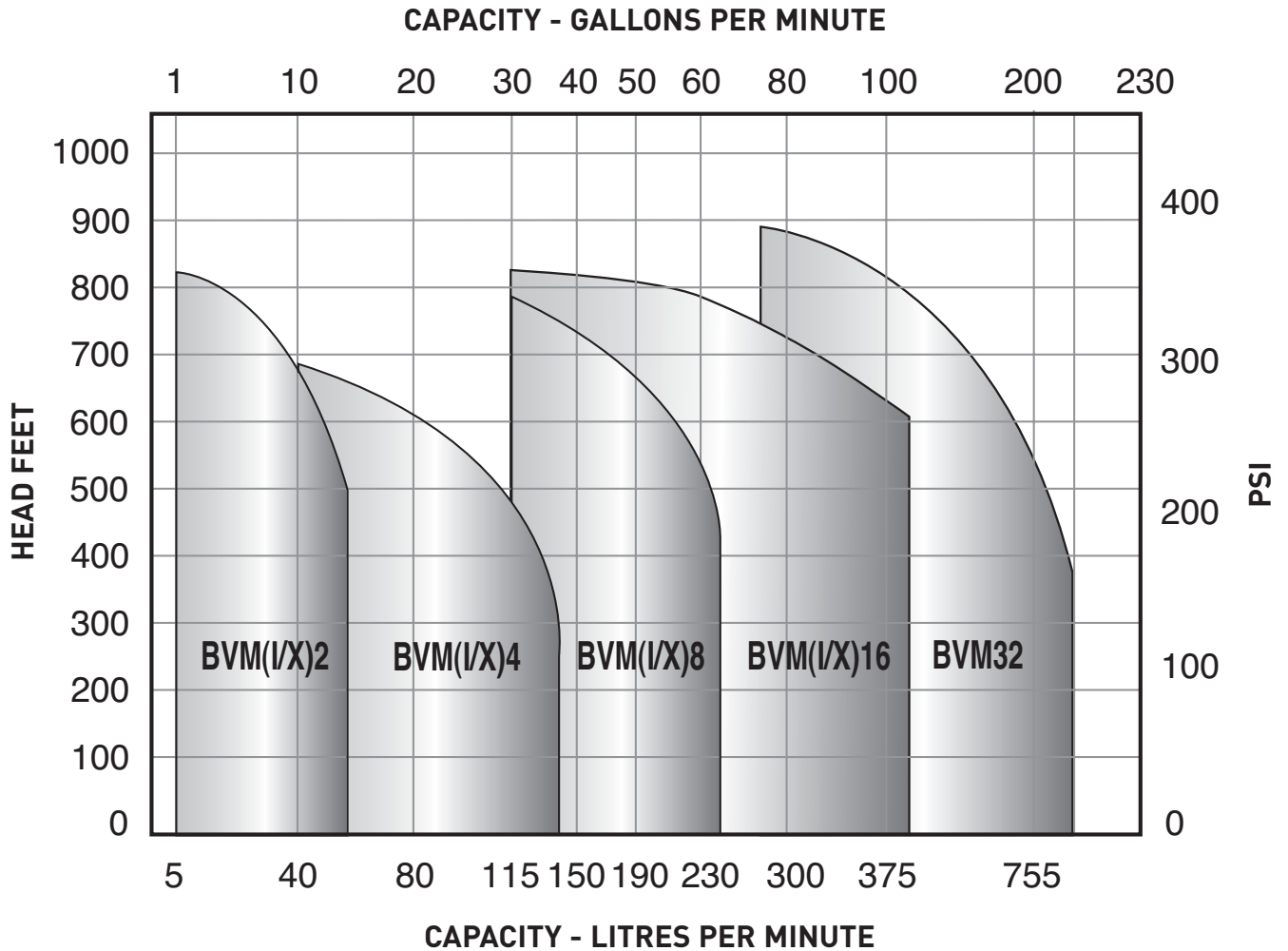
BVM - CAST IRON

BVMI - 304 STAINLESS STEEL

BVMX - 316 STAINLESS STEEL

Models	Flow Series	HP Range	GPM
BVM/BVMI/BVMX	2	1/2 - 5	1 - 20
BVM/BVMI/BVMX	4	1/2 - 7.5	3 - 40
BVM/BVMI/BVMX	8	3/4 - 15	5 - 65
BVM/BVMI/BVMX	16	5 - 25	8 - 105
BVM	32	3 - 40	15 - 210

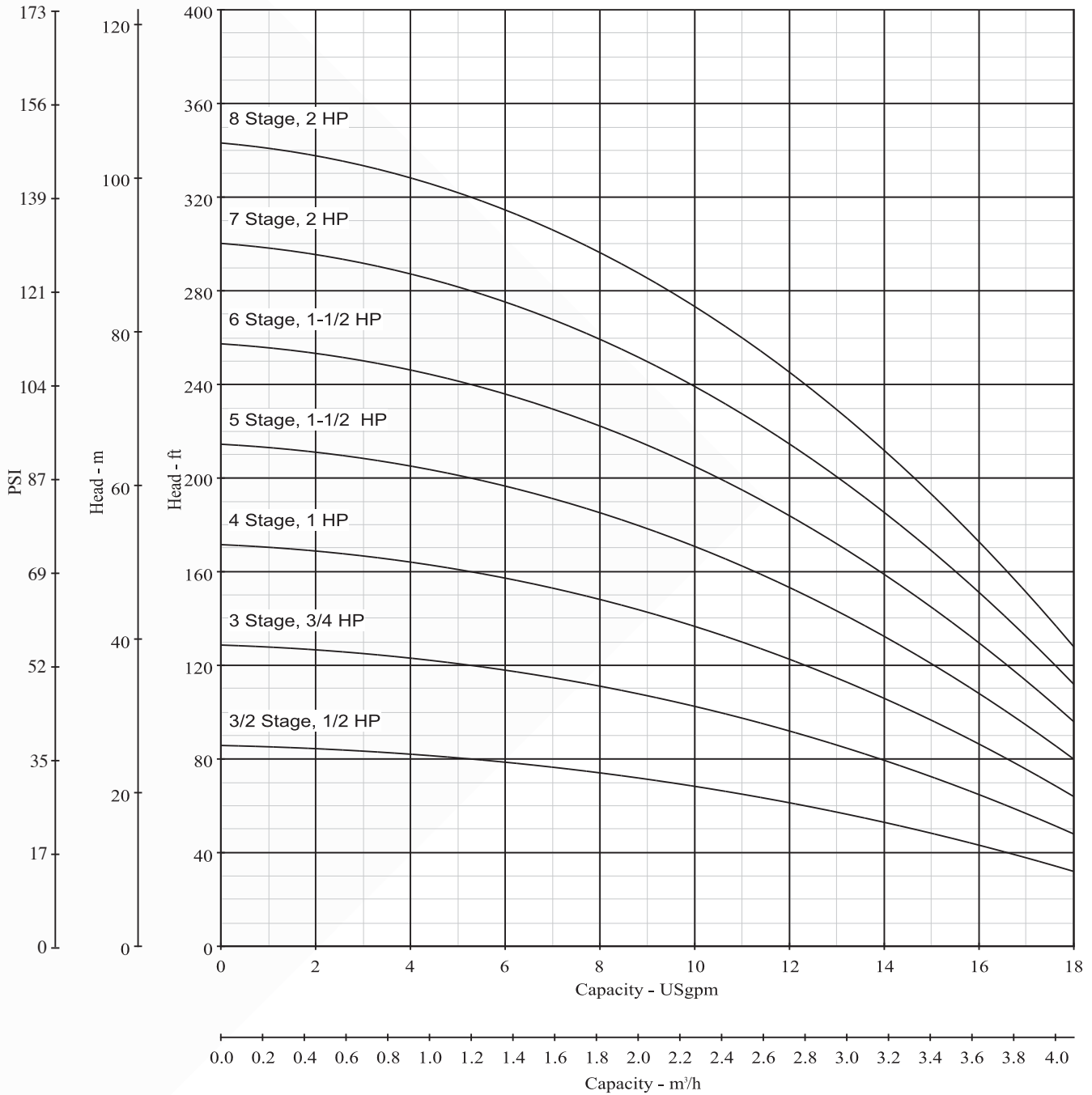
VERTICAL MULTI-STAGE PERFORMANCE



BVM (I/X) 2 SERIES

Performance Curves – BVM (I/X) 2 Series

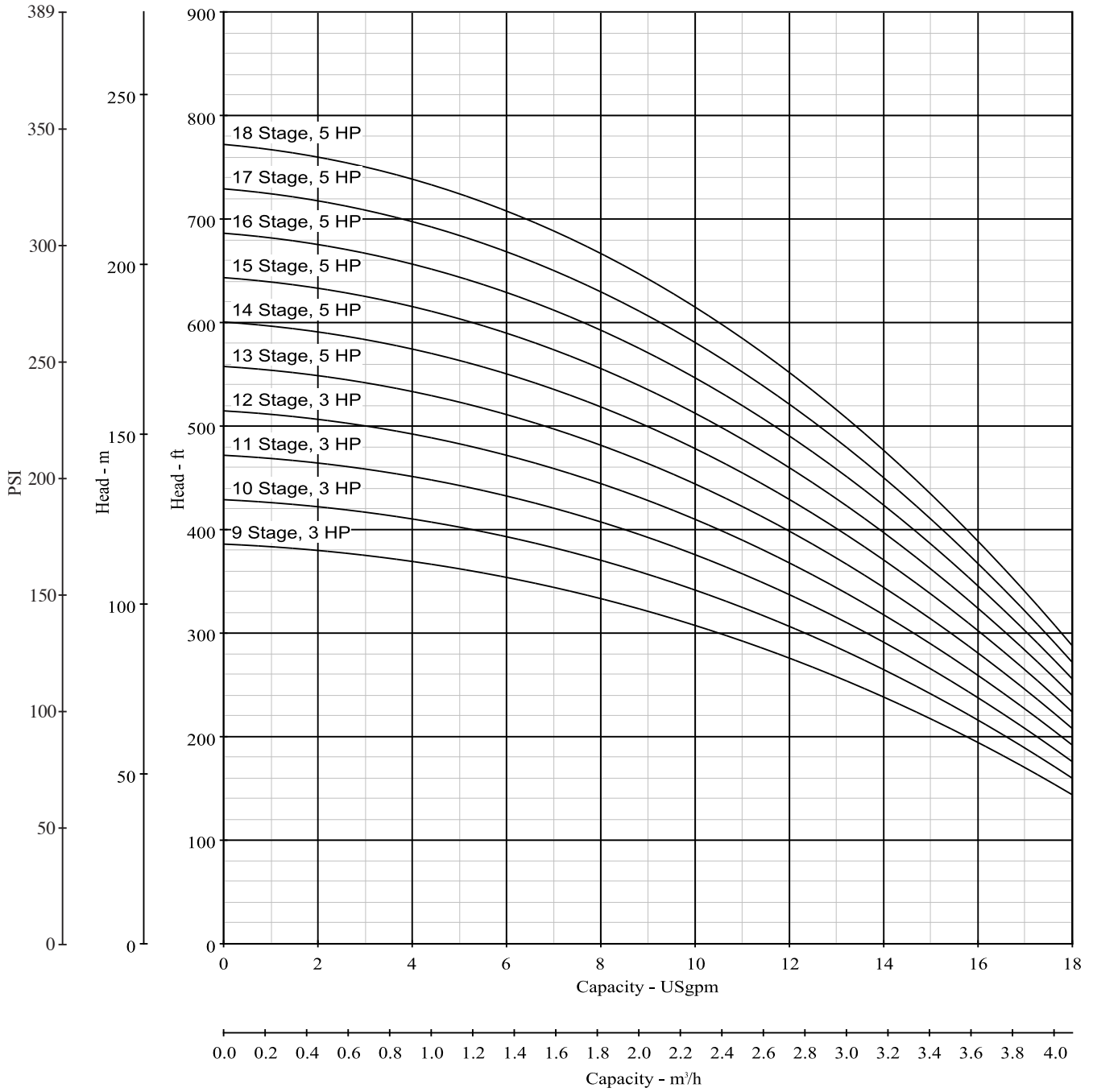
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 2 SERIES

Performance Curves – BVM (I/X) 2 Series

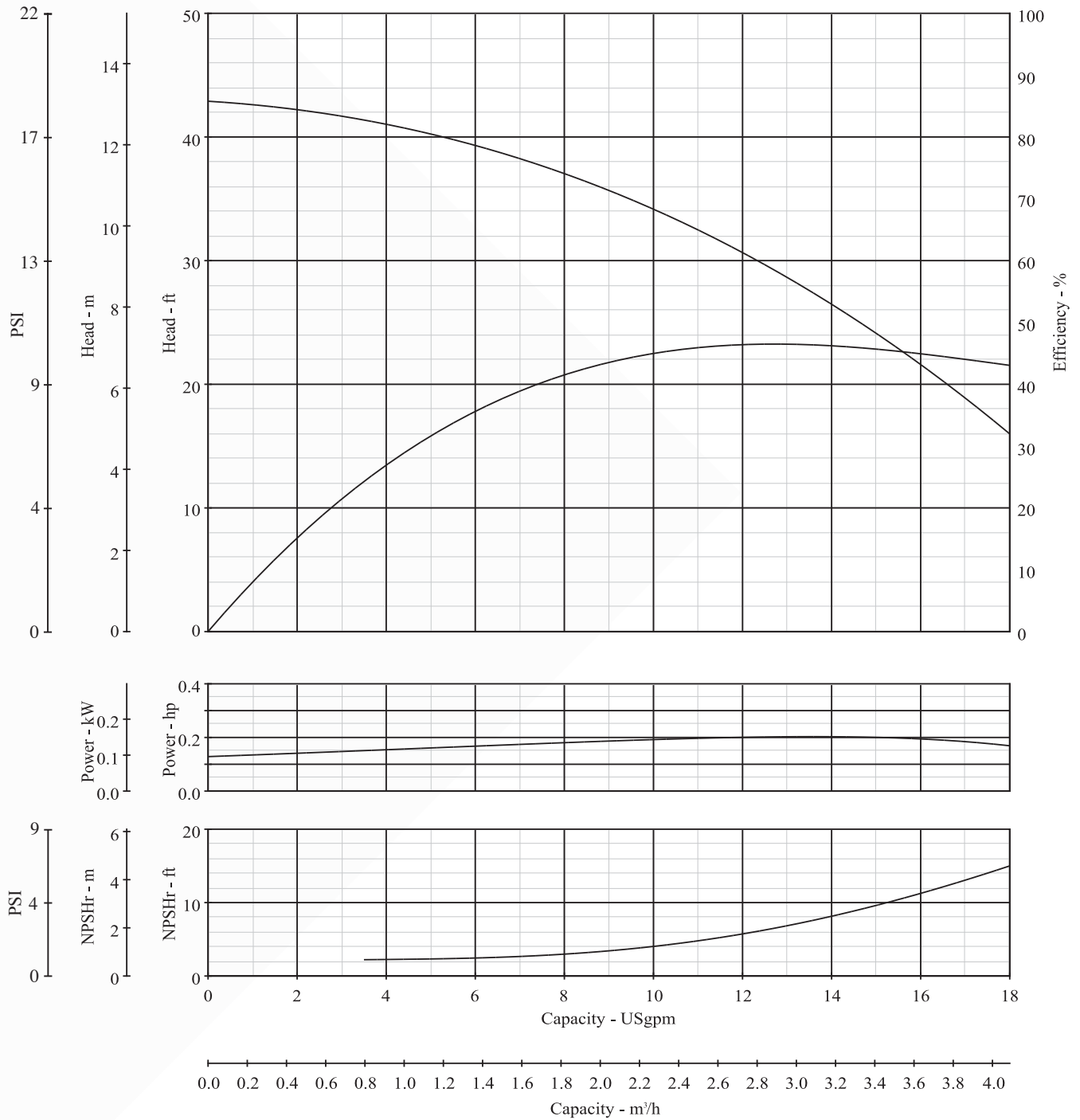
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 2 SERIES

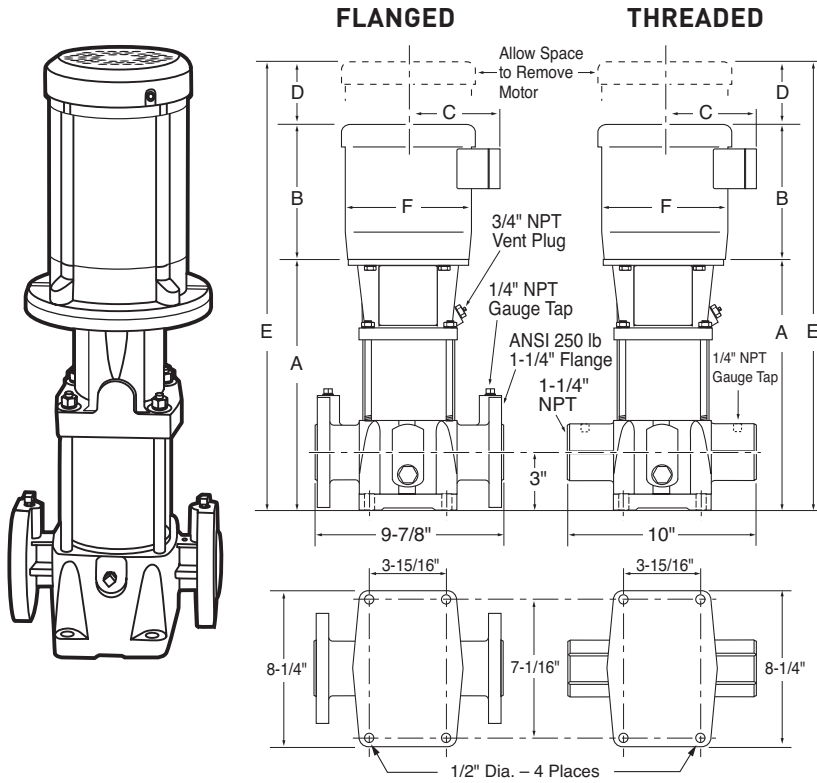
Single Stage Performance Data – BVM (I/X) 2 Series

Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM2 SERIES

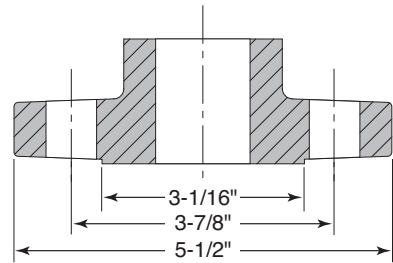
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 1.2 GPM
- FLOW RANGE:** 1.2 – 20 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.

1-1/4" ANSI. 250 lb. 4-Bolt Flange



Dimensions and Specifications – BVM 2 Series

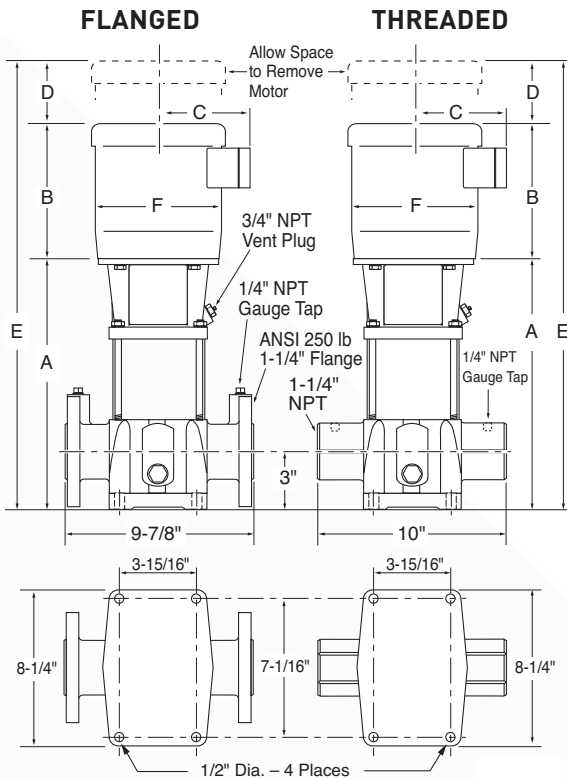
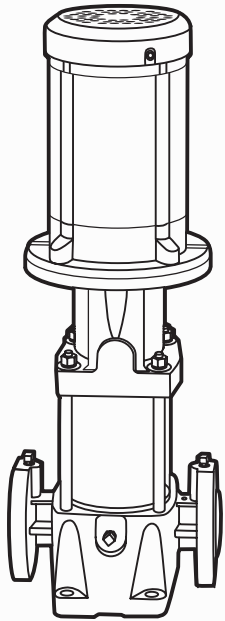
1/2 thru 2 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM2-30/2	0.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	80	78
BVM2-30/2	0.5	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	77	75
BVM2-30	0.75	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/8	9-7/8	4-7/8	2	23-1/4	6	84	86
BVM2-30	0.75	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	79	78
BVM2-40	1	1.25	1	115/208-230	56C	1-1/4	1-1/4	12	11-1/8	5-1/4	2	25-1/4	7-1/8	96	89
BVM2-40	1	1.25	3	208-230/460	56C	1-1/4	1-1/4	12	9-1/4	4-7/8	2	23-3/8	6	80	83
BVM2-50	1.5	1.15	1	115/208-230	56C	1-1/4	1-1/4	12-3/4	11-1/8	5-5/8	2	26	7-1/8	101	96
BVM2-50	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	12-3/4	10-1/8	5-3/4	2-1/8	25	7-1/4	90	89
BVM2-60	1.5	1.15	1	115/208-230	56C	1-1/4	1-1/4	13-1/2	11-1/8	5-5/8	2	26-5/8	7-1/8	102	97
BVM2-60	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	13-1/2	10-1/8	5-3/4	2-1/8	25-3/4	7-1/4	91	90
BVM2-70	2	1.15	1	208-230	56C	1-1/4	1-1/4	14-1/8	12-1/8	5-5/8	2	28-1/4	7-1/8	110	103
BVM2-70	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	14-1/8	11-1/8	5-3/4	2-1/8	27-3/8	7-1/4	100	94
BVM2-80	2	1.15	1	208-230	56C	1-1/4	1-1/4	14-7/8	12-1/8	5-5/8	2	29	7-1/8	111	104
BVM2-80	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	14-7/8	11-1/8	5-3/4	2-1/8	28-1/8	7-1/4	101	95

* Measurements represent the largest number possible for each model using standard efficiency motors. Weight may vary from published information.

BVM2 SERIES

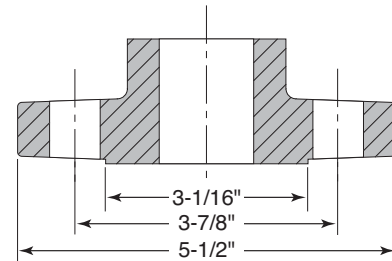
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 1.2 GPM
- FLOW RANGE:** 1.2 – 20 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.

1-1/4" ANSI. 250 lb. 4-Bolt Flange



Dimensions and Specifications – BVM 2 Series

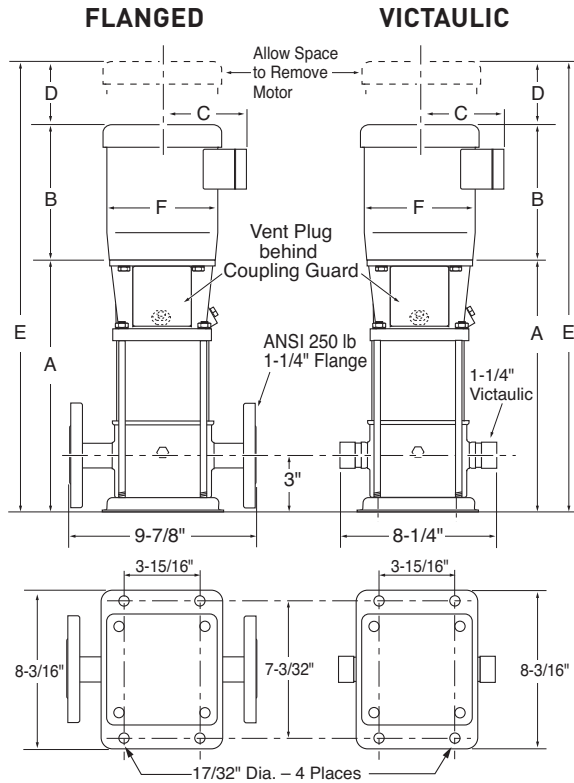
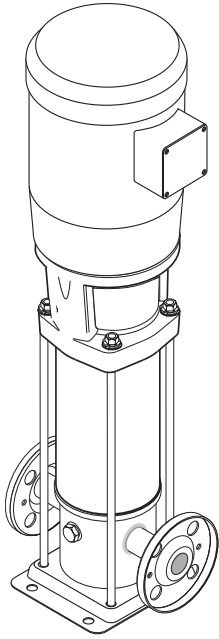
3 thru 5 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM2-90	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	16	13-5/8	6 7/8	2-3/4	32-3/8	8-1/2	143	134
BVM2-90	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	16	12-1/4	6 7/8	2-7/8	31-1/8	8-1/2	124	124
BVM2-100	3	1.15	1	208-230	182TC	1-1/4	1-1/4	16-5/8	13-5/8	6-7/8	2-3/4	33-1/8	8-1/2	144	135
BVM2-100	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	16-5/8	12-1/4	6-7/8	2-7/8	31-7/8	8-1/2	125	125
BVM2-110	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	17-3/8	13 5/8	6 7/8	2-3/4	33-3/4	8-1/2	145	136
BVM2-110	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	17-3/8	12-1/4	6 7/8	2-7/8	32-1/2	8-1/2	126	126
BVM2-120	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/8	13-5/8	6-7/8	2-3/4	34-1/2	8-1/2	146	137
BVM2-120	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/8	12-1/4	6-7/8	2-7/8	33-1/4	8-1/2	127	127
BVM2-130	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	18-3/4	13-5/8	6 7/8	2-3/4	35-1/4	8-1/2	147	138
BVM2-130	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-3/4	12-1/4	6 7/8	2-7/8	34	8-1/2	128	128
BVM2-140	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	19-1/2	15-1/4	8	3-3/8	38-1/8	10-5/8	180	154
BVM2-140	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	19-1/2	13-5/8	6 7/8	2-7/8	36	8-1/2	153	150
BVM2-150	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	20-1/4	15-1/4	8	3-3/8	38-7/8	10-5/8	155	155
BVM2-150	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	20-1/4	13-5/8	6-7/8	2-7/8	36-3/4	8-1/2	154	151
BVM2-160	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	20-7/8	15-1/4	8	3-3/8	39-5/8	10-5/8	182	156
BVM2-160	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	20-7/8	13-5/8	6 7/8	2-7/8	37-1/2	8-1/2	155	152
BVM2-170	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	21-5/8	15-1/4	8	3-3/8	40-1/4	10-5/8	183	157
BVM2-170	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	21-5/8	13-5/8	6 7/8	2-7/8	38-1/8	8-1/2	156	153
BVM2-180	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	22-3/8	15-1/4	8	3-3/8	41	10-5/8	184	158
BVM2-180	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	22-3/8	13-5/8	6-7/8	2-7/8	38-7/8	8-1/2	157	154

* Measurements represent the largest number possible for each model using standard efficiency motors. Weight may vary from published information.

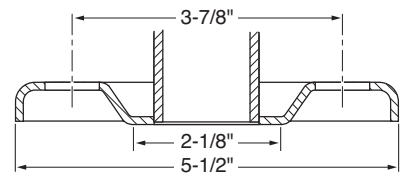
BVM (I/X) 2 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 1.2 GPM
- FLOW RANGE:** 1.2 – 20 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.



Dimensions and Specifications – BVM (I/X) 2 Series[†]

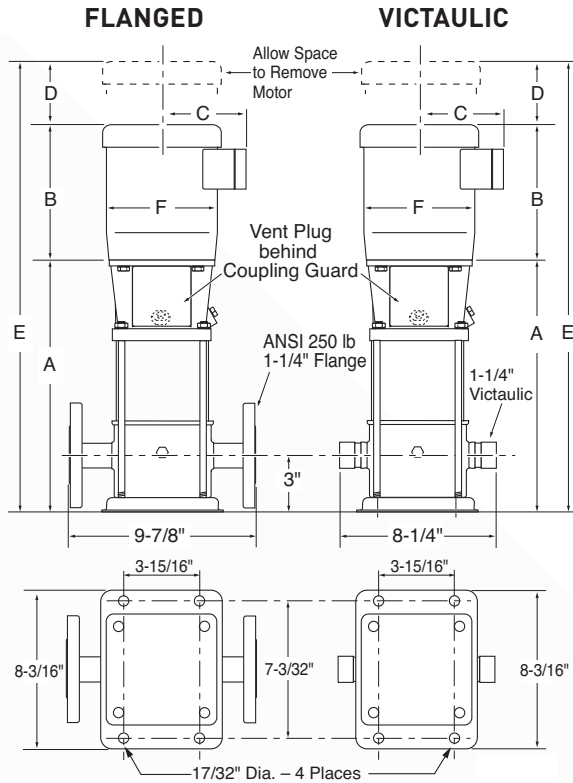
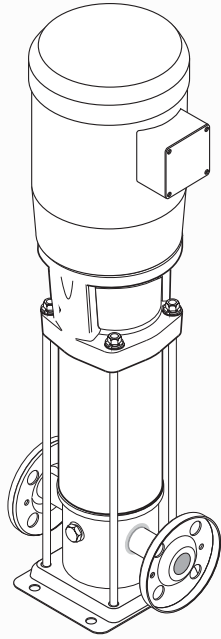
1/2 thru 2 HP

Model Number [†]	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)2-30/2	0.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/4	9-1/4	4-7/8	2	23	6	68	66
BVM(I/X)2-30/2	0.5	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/4	9-1/4	4-7/8	2	23	6	65	63
BVM(I/X)2-30	0.75	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/4	9-7/8	4-7/8	2	23-5/8	6	72	74
BVM(I/X)2-30	0.75	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/4	9-7/8	4-7/8	2	23-5/8	6	67	66
BVM(I/X)2-40	1	1.25	1	115/208-230	56C	1-1/4	1-1/4	12-3/8	11-1/8	5-1/4	2	25-5/8	7-1/8	84	77
BVM(I/X)2-40	1	1.25	3	208-230/460	56C	1-1/4	1-1/4	12-3/8	11-1/8	5-1/4	2	25-5/8	7-1/8	68	71
BVM(I/X)2-50	1.5	1.15	1	115/208-230	56C	1-1/4	1-1/4	13-1/8	11-1/8	5-3/4	2-1/8	26-3/8	7-1/4	89	84
BVM(I/X)2-50	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	13-1/8	11-1/8	5-3/4	2-1/8	26-3/8	7-1/4	78	77
BVM(I/X)2-60	1.5	1.15	1	115/208-230	56C	1-1/4	1-1/4	13-7/8	11-1/8	5-3/4	2-1/8	27	7-1/7	90	85
BVM(I/X)2-60	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	13-7/8	11-1/8	5-3/4	2-1/8	27	7-1/4	79	78
BVM(I/X)2-70	2	1.15	1	208-230	56C	1-1/4	1-1/4	14-1/2	12-1/8	5-3/4	2-1/8	28-5/8	7-1/4	98	91
BVM(I/X)2-70	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	14-1/2	12-1/8	5-3/4	2-1/8	28-5/8	7-1/4	88	82
BVM(I/X)2-80	2	1.15	1	208-230	56C	1-1/4	1-1/4	15-1/4	12-1/8	5-3/4	2-1/8	29-3/8	7-1/4	99	92
BVM(I/X)2-80	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	15-1/4	12-1/8	5-3/4	2-1/8	29-3/8	7-1/4	89	83

* Measurements represent the largest number possible for each model using standard efficiency motors.
[†] Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

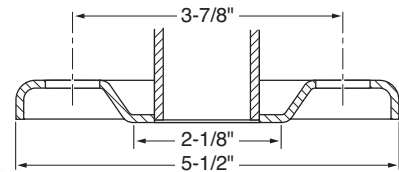
BVM (I/X) 2 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 1.2 GPM
- FLOW RANGE:** 1.2 – 20 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.



Dimensions and Specifications – BVM (I/X) 2 Series†

3 thru 5 HP

Model Number†	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)2-90	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	16-3/8	12-1/4	6-7/8	2-7/8	31-1/2	8-1/2	131	122
BVM(I/X)2-90	3	1.15	3	230/460	182TC	1-1/4	1-1/4	16-3/8	10-1/4	6-7/8	2-7/8	29-1/2	8-1/2	112	112
BVM(I/X)2-100	3	1.15	1	208-230	182TC	1-1/4	1-1/4	17	13-5/8	2-5/8	2-7/8	33-5/8	8-1/2	132	123
BVM(I/X)2-100	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	17	13-5/8	2-5/8	2-7/8	33-5/8	8-1/2	113	113
BVM(I/X)2-110	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	17-3/4	12-1/4	6-7/8	2-3/4	32-7/8	8-1/2	133	124
BVM(I/X)2-110	3	1.15	3	230/460	182TC	1-1/4	1-1/4	17-3/4	10-1/4	6-7/8	2-7/8	30-7/8	8-1/2	114	114
BVM(I/X)2-120	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	134	125
BVM(I/X)2-120	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	115	115
BVM(I/X)2-130	3	1.15	1	115/208-230	182TC	1-1/4	1-1/4	19-1/8	12-1/4	6-7/8	2-3/4	34-1/4	8-1/2	135	126
BVM(I/X)2-130	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	19-1/8	10-1/4	6-7/8	2-7/8	32-1/4	8-1/2	116	116
BVM(I/X)2-140	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	19-7/8	15-1/4	8	3-3/8	38-1/2	10-5/8	168	142
BVM(I/X)2-140	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	19-7/8	13-5/8	6-7/8	2-7/8	36-3/8	8-1/2	141	138
BVM(I/X)2-150	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	20-5/8	15-1/4	8	3-3/8	39-1/4	10-5/8	169	143
BVM(I/X)2-150	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	20-5/8	15-1/4	8	3-3/8	39-1/4	10-5/8	142	139
BVM(I/X)2-160	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	21-1/4	15-1/4	8	3-3/8	40	10-5/8	170	144
BVM(I/X)2-160	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	21-1/4	13-5/8	6-7/8	2-7/8	37-7/8	8-1/2	143	140
BVM(I/X)2-170	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	22	15-1/4	8	3-3/8	40-5/8	10-5/8	171	145
BVM(I/X)2-170	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	22	13-5/8	6-7/8	2-7/8	38-5/8	8-1/2	144	141
BVM(I/X)2-180	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	22-3/4	15-1/4	8	3-3/8	41-3/8	10-5/8	172	146
BVM(I/X)2-180	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	22-3/4	15-1/4	8	3-3/8	41-3/8	10-5/8	145	142

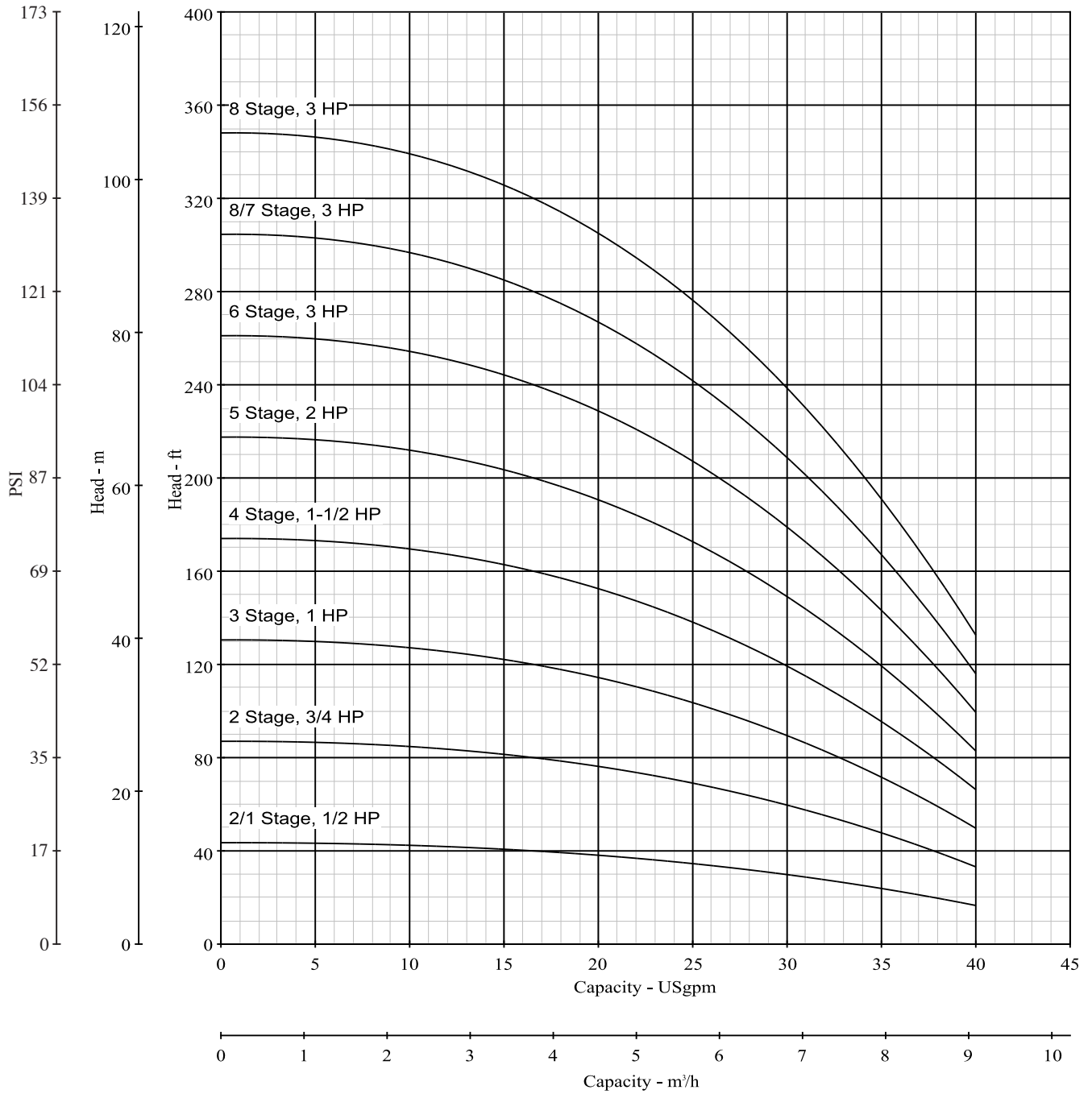
* Measurements represent the largest number possible for each model using standard efficiency motors.

† Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

BVM (I/X) 4 SERIES

Performance Curves – BVM (I/X) 4 Series

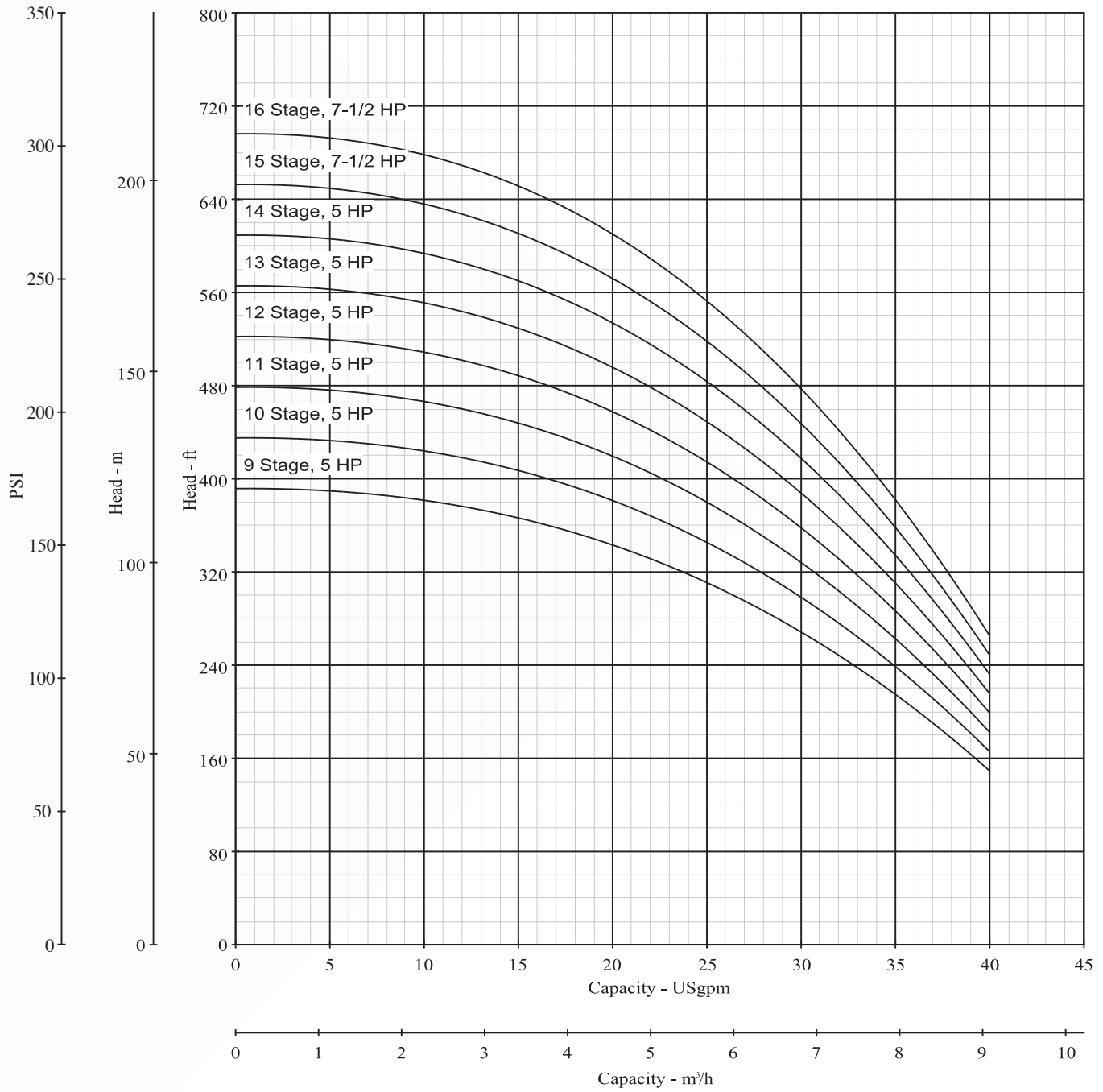
Nominal RPM: 3450
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 4 SERIES

Performance Curves – BVM (I/X) 4 Series

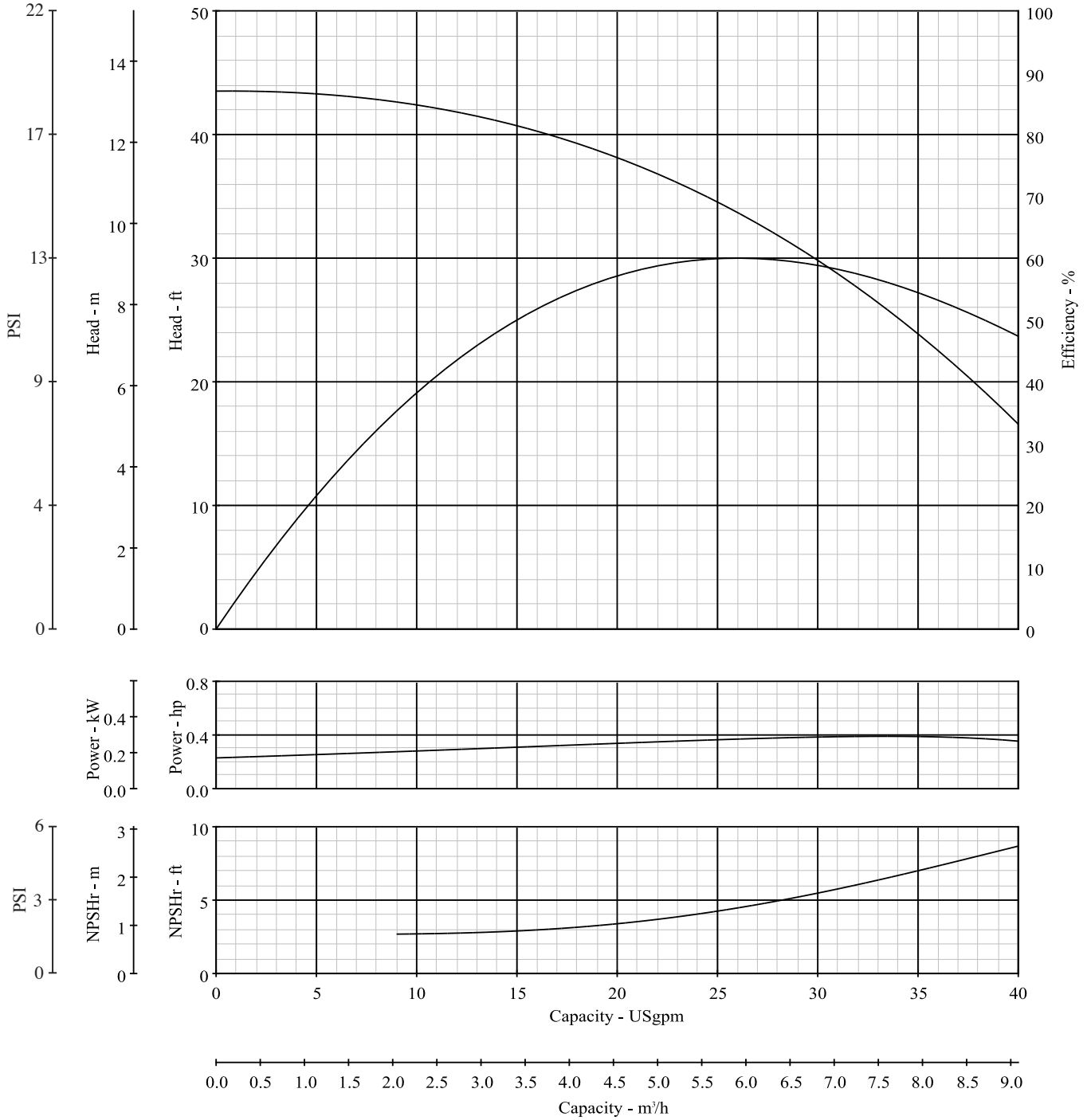
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 4 SERIES

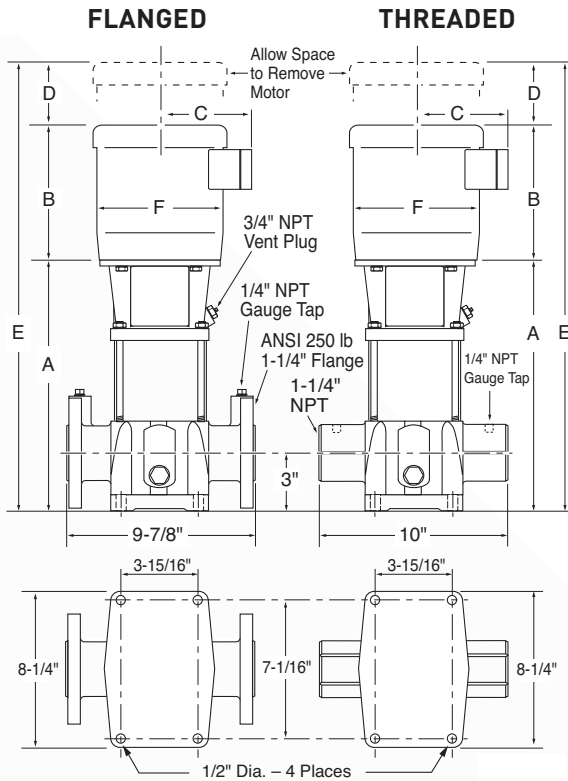
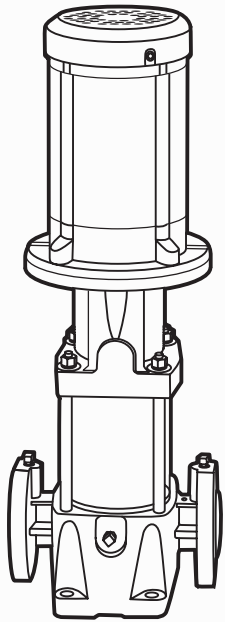
Single Stage Performance Data – BVM (I/X) 4 Series

Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM4 SERIES

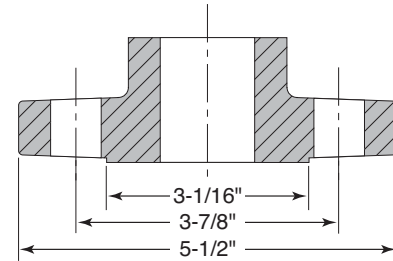
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 3 GPM
- FLOW RANGE:** 3 – 40 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.

1-1/4" ANSI. 250 lb. 4-Bolt Flange



Dimensions and Specifications – BVM 4 Series

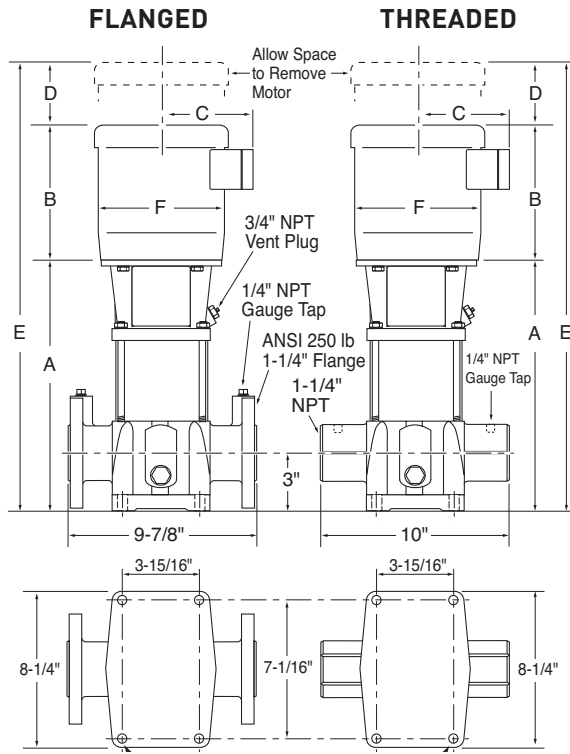
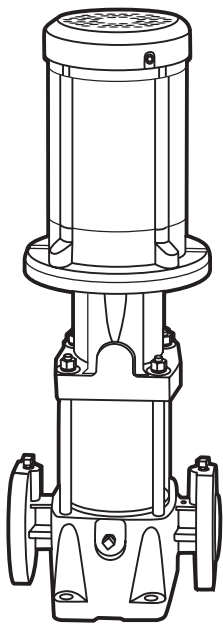
1/2 thru 2 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM4-20/1	0.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	79	77
BVM4-20/1	0.5	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	76	74
BVM4-20	0.75	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/8	9-7/8	4-7/8	2	23-2/8	6	83	85
BVM4-20	0.75	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/8	9-1/4	4-7/8	2	22-5/8	6	78	77
BVM4-30	1.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	12-3/8	11-1/8	5-1/4	2	25-5/8	7-1/8	94	87
BVM4-30	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	12-3/8	9-1/4	4-7/8	2	23-3/4	6	78	81
BVM4-40	1.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	13-1/2	11-1/8	5-5/8	2	26-5/8	7-1/8	101	96
BVM4-40	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	13-1/2	10-1/8	5-3/4	2-1/8	25-3/4	7-1/4	90	89
BVM4-50	2	1.15	1	208-230	56C	1-1/4	1-1/4	14-1/2	12	5-5/8	2	28-5/8	7-1/8	108	101
BVM4-50	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	14-1/2	11-1/8	5-3/4	2-1/8	27-3/4	7-1/4	98	92

* Measurements represent the largest number possible for each model using standard efficiency motors.

BVM4 SERIES

Cast Iron Construction



Technical Information

MINIMUM PUMPING RATES: 3 GPM

FLOW RANGE: 3 - 40 GPM

MINIMUM SUCTION PIPE SIZES:
1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE

MAXIMUM WORKING PRESSURE: 360 PSI

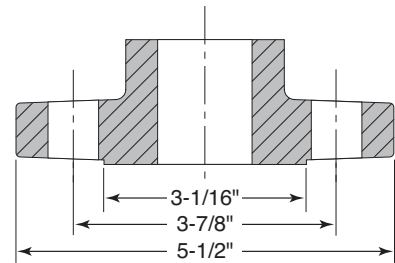
MAXIMUM AMBIENT TEMPERATURE: 104° F

LIQUID TEMPERATURE RANGE: +5° F TO +250° F

MOTOR OPTIONS: TEFC OR ODP

CONSTRUCTION MATERIALS: SEE PAGE 18.

1-1/4" ANSI. 250 lb. 4-Bolt Flange



Dimensions and Specifications – BVM 4 Series

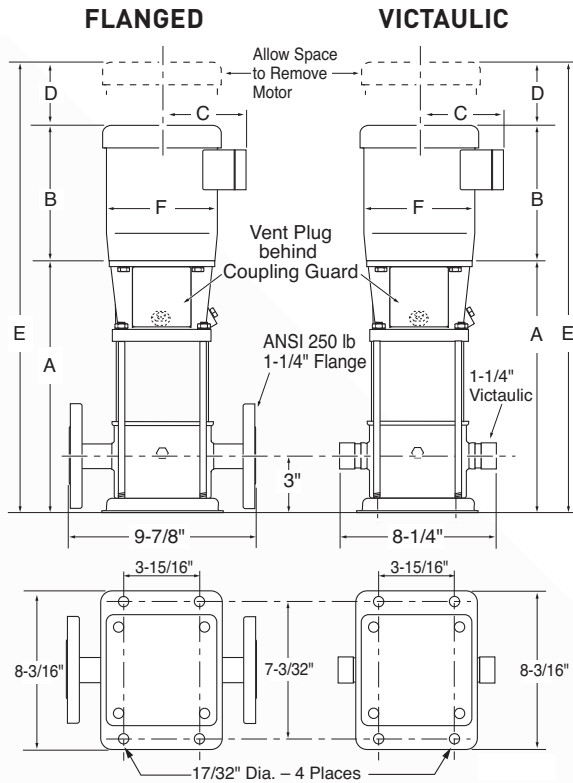
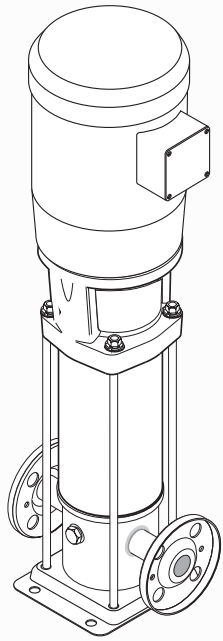
3 thru 7-1/2 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM4-60	3	1.15	1	208-230	182TC	1-1/4	1-1/4	16	13-5/8	6-7/8	2-3/4	32-3/8	8-1/2	141	132
BVM4-60	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	16	12-1/4	6-7/8	2-7/8	31-1/8	8-1/2	122	122
BVM4-80/7	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/8	13-5/8	6-7/8	2-3/4	34-1/2	8-1/2	143	134
BVM4-80/7	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/8	12-1/4	6-7/8	2-7/8	33-2/8	8-1/2	124	124
BVM4-80	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/8	13-5/8	6-7/8	2-3/4	34-1/2	8-1/2	146	137
BVM4-80	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/8	12-1/4	6-7/8	2-7/8	33-1/4	8-1/2	127	127
BVM4-90	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	19-1/8	15-1/4	8	3-3/8	37-3/4	10-5/8	181	155
BVM4-90	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	19-1/8	13-5/8	6-7/8	2-7/8	35-3/4	10-5/8	154	151
BVM4-100	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	20-1/4	15-1/4	8	3-3/8	38-7/8	10-5/8	183	157
BVM4-100	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	20-1/4	13-5/8	6-7/8	2-7/8	36-3/4	8-1/2	156	153
BVM4-110	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	21-1/4	15-1/4	8	3-3/8	39-7/8	10-5/8	184	158
BVM4-110	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	21-1/4	13-5/8	6-7/8	2-7/8	37-7/8	10-5/8	157	154
BVM4-120	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	22-3/8	15-1/4	8	3-3/8	41	10-5/8	186	160
BVM4-120	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	22-3/8	13-5/8	6-7/8	2-7/8	38-7/8	8-1/2	159	156
BVM4-130	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	23-3/8	15-1/4	8	3-3/8	42	10-5/8	187	161
BVM4-130	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	23-3/8	13-5/8	6-7/8	2-7/8	40	10-5/8	160	157
BVM4-140	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	24-1/2	15-1/4	8	3-3/8	43-1/8	10-5/8	189	163
BVM4-140	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	24-1/2	13-5/8	6-7/8	2-7/8	41	8-1/2	162	159
BVM4-150	7.5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	25-1/2	15-1/4	8	3-3/8	44-1/8	10-5/8	171	198
BVM4-150	7.5	1.15	3	208-230/460	213TCZ	1-1/4	1-1/4	25-1/2	12	7-7/8	3-3/8	41	10-5/8	189	178
BVM4-160	7.5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	26-5/8	15-1/4	8	3-3/8	45-1/4	10-5/8	172	199
BVM4-160	7.5	1.15	3	208-230/460	213TCZ	1-1/4	1-1/4	26-5/8	15-1/4	7-7/8	3-3/8	45-1/4	10-3/8	190	179

* Measurements represent the largest number possible for each model using standard efficiency motors.

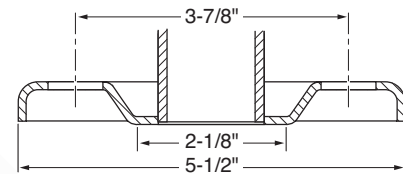
BVM (I/X) 4 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 3 GPM
- FLOW RANGE:** 3 – 40 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.



Dimensions and Specifications – BVM (I/X) 4 Series[†]

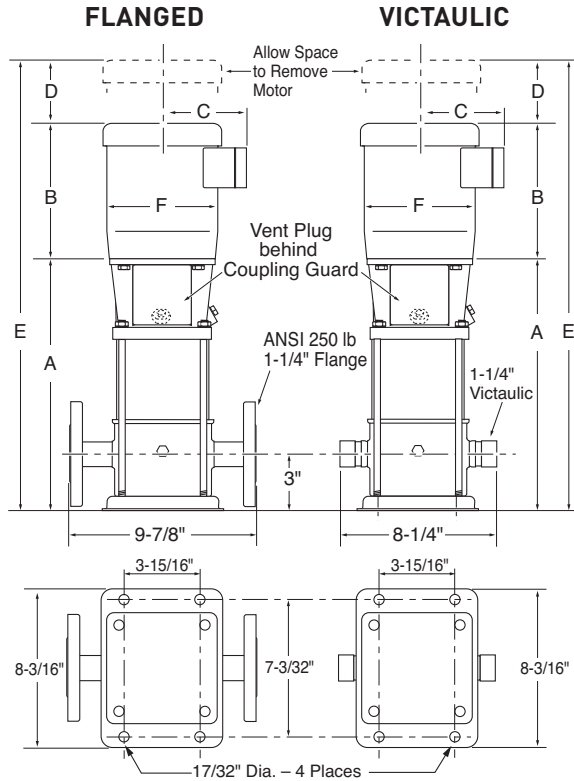
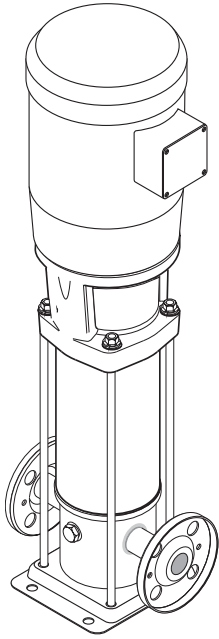
1/2 thru 2 HP

Model Number [†]	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)4-20/1	0.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/4	9-1/4	4-7/8	2	23	6	61	59
BVM(I/X)4-20/1	0.5	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/4	9-1/4	4-7/8	2	23	6	58	56
BVM(I/X)4-20	0.75	1.25	1	115/208-230	56C	1-1/4	1-1/4	11-3/4	9-7/8	4-7/8	2	23-5/8	6	69	71
BVM(I/X)4-20	0.75	1.25	3	208-230/460	56C	1-1/4	1-1/4	11-3/4	9-7/8	4-7/8	2	23-5/8	6	64	63
BVM(I/X)4-30	1.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	12-3/4	11-1/8	5-1/4	2	26	7-1/8	85	78
BVM(I/X)4-30	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	12-3/4	11-1/8	5-1/4	2	26	7-1/8	69	72
BVM(I/X)4-40	1.5	1.25	1	115/208-230	56C	1-1/4	1-1/4	13-7/8	11-1/8	5-3/4	2-1/8	27	7-1/4	92	87
BVM(I/X)4-40	1.5	1.15	3	208-230/460	56C	1-1/4	1-1/4	13-7/8	11-1/8	5-3/4	2-1/8	27	7-1/4	81	80
BVM(I/X)4-50	2	1.15	1	208-230	56C	1-1/4	1-1/4	14-7/8	12	5-3/4	2-1/8	29	7-1/4	99	92
BVM(I/X)4-50	2	1.15	3	208-230/460	56C	1-1/4	1-1/4	14-7/8	12	5-3/4	2-1/8	29	7-1/4	89	83

* Measurements represent the largest number possible for each model using standard efficiency motors.
[†] Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

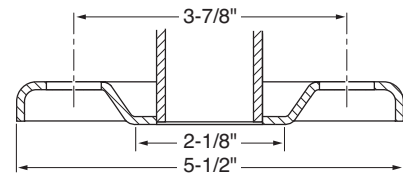
BVM (I/X) 4 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 3 GPM
- FLOW RANGE:** 3 – 40 GPM
- MINIMUM SUCTION PIPE SIZES:** 1-1/4" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 18.



Dimensions and Specifications – BVM (I/X) 4 Series[†]

3 thru 7-1/2 HP

Model Number [†]	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)4-60	3	1.15	1	208-230	182TC	1-1/4	1-1/4	16-3/8	13-5/8	6-7/8	2-7/8	32-7/8	8-1/2	132	123
BVM(I/X)4-60	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	16-3/8	13-5/8	6-7/8	2-7/8	32-7/8	8-1/2	113	113
BVM(I/X)4-80/7	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	134	125
BVM(I/X)4-80/7	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	115	115
BVM(I/X)4-80	3	1.15	1	208-230	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	137	128
BVM(I/X)4-80	3	1.15	3	208-230/460	182TC	1-1/4	1-1/4	18-1/2	13-5/8	6-7/8	2-7/8	35	8-1/2	118	118
BVM4(I/X)-90	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	19-1/2	15-1/4	8	3-3/8	38-1/8	10-5/8	172	146
BVM4(I/X)-90	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	19-1/2	13-5/8	6-7/8	2-7/8	36-1/8	10-5/8	145	142
BVM(I/X)4-100	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	20-5/8	15-1/4	8	3-3/8	39-1/4	10-5/8	174	148
BVM(I/X)4-100	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	20-5/8	15-1/4	8	3-3/8	39-1/4	10-5/8	147	144
BVM4(I/X)-110	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	21-5/8	15-1/4	8	3-3/8	40-1/4	10-5/8	175	149
BVM4(I/X)-110	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	21-5/8	13-5/8	6-7/8	2-7/8	38-1/4	10-5/8	148	145
BVM(I/X)4-120	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	22-3/4	15-1/4	8	3-3/8	41-3/8	10-5/8	177	151
BVM(I/X)4-120	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	22-3/4	15-1/4	8	3-3/8	41-3/8	10-5/8	150	147
BVM4(I/X)-130	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	23-3/4	15-1/4	8	3-3/8	42-3/8	10-5/8	178	152
BVM4(I/X)-130	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	23-3/4	13-5/8	6-7/8	2-7/8	40-3/8	10-5/8	151	148
BVM(I/X)4-140	5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	180	154
BVM(I/X)4-140	5	1.15	3	208-230/460	184TC	1-1/4	1-1/4	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	153	150
BVM4(I/X)-150	7.5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	25-7/8	15-1/4	8	3-3/8	44-1/2	10-5/8	162	189
BVM4(I/X)-150	7.5	1.15	3	208-230/460	213TCZ	1-1/4	1-1/4	25-7/8	12	7-7/8	3-3/8	41-3/8	10-5/8	180	169
BVM(I/X)4-160	7.5	1.15	1	208-230	213TCZ	1-1/4	1-1/4	27	15-1/4	8	3-3/8	45-3/8	10-5/8	163	190
BVM(I/X)4-160	7.5	1.15	3	208-230/460	213TCZ	1-1/4	1-1/4	27	15-1/4	8	3-3/8	45-3/8	10-5/8	181	170

* Measurements represent the largest number possible for each model using standard efficiency motors.

† Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

BVM (I/X) 2 & 4 SERIES

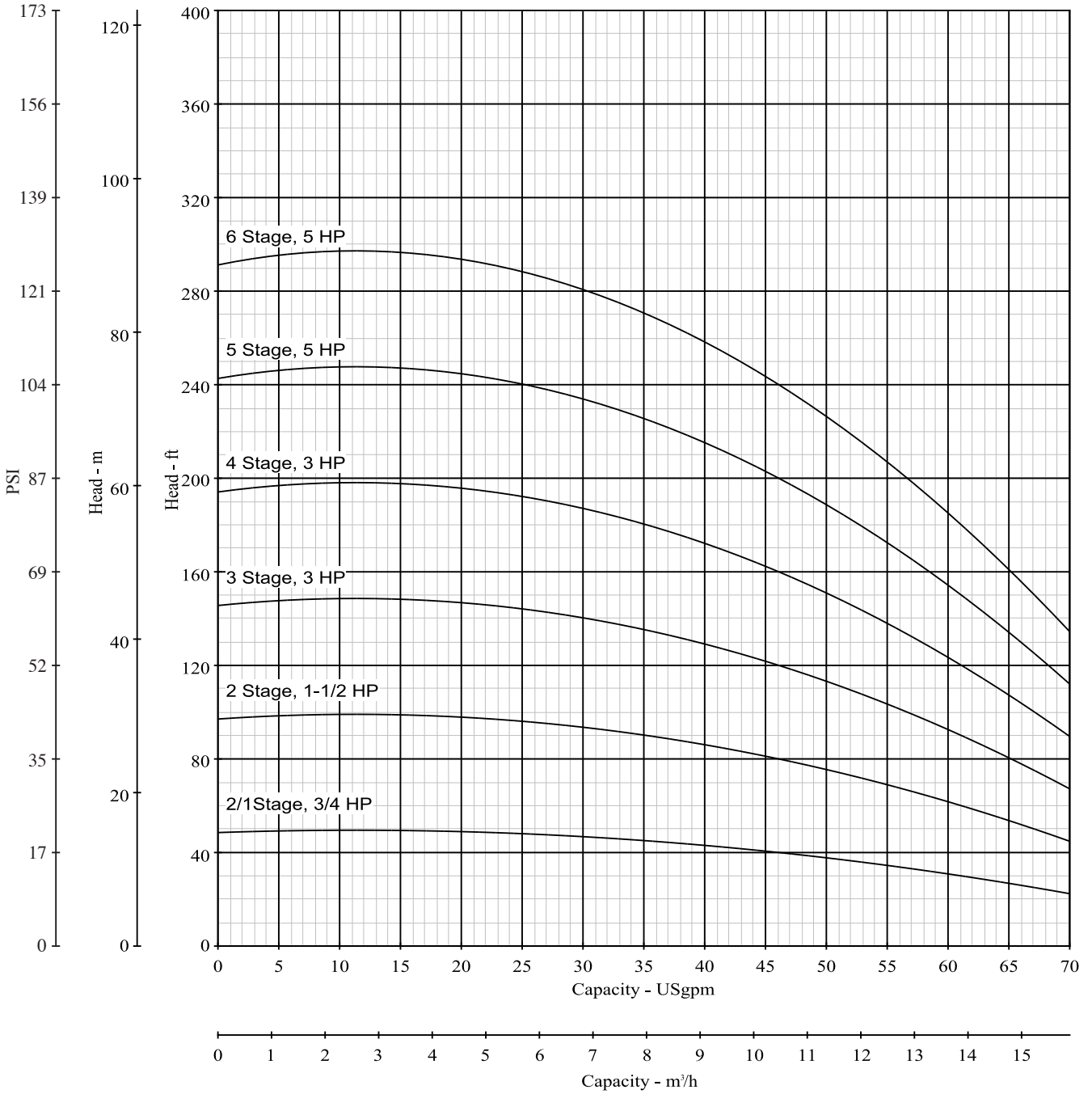
Construction Materials

Description	Cast Iron	304 Stainless Steel	316 Stainless Steel	Optional Accessories
Shaft	AISI 316 SS	AISI 316 SS	AISI 316 SS	
Impellers, Diffuser Chambers, Pump Sleeve, Suction Interconnector, and Shaft Seal Parts	AISI 304 SS	AISI 304 SS	AISI 316 SS	
Suction/discharge Motor bracket	Class 30 Cast Iron	304 SS Class 30 CI or 316 SS	316 SS Class 30 CI or 316 SS	
Motor Couplings	Class 30 Cast Iron	Class 30 Cast Iron	Class 30 Cast Iron	
Intermediate Chamber Bearings	Aluminum Oxide Ceramic	Aluminum Oxide Ceramic	Aluminum Oxide Ceramic	
Bearing Ring	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	
O-Rings	EPDM	EPDM	EPDM	Viton or Buna
Wear Rings	Teflon	Teflon	Teflon	
Sleeve O-Rings	EPDM	EPDM	EPDM	Viton or Buna
Shaft Spacers	AISI 316 SS	AISI 316 SS	AISI 316 SS	
Top Spring	AISI 316 SS	AISI 316 SS	AISI 316 SS	
Coupling Guard	AISI 302 SS	AISI 302 SS	AISI 302 SS	
Staybolts, Nuts & Washers	Zinc Plated Steel	Zinc Plated Steel	Zinc Plated Steel	
Mechanical Seal (High Pressure)				
<ul style="list-style-type: none"> • Stationary Face • Rotating Face • O-Rings • Upper and Lower Drivers • Spring 	Carbon Graphite Tungsten Carbide EPDM	Carbon Graphite Tungsten Carbide EPDM	Carbon Graphite Tungsten Carbide EPDM	Viton or Buna
	AISI 316 SS	AISI 316 SS	AISI 316 SS	
	AISI 316 SS	AISI 316 SS	AISI 316 SS	

BVM (I/X) 8 SERIES

Performance Curves – BVM (IX) 8 Series

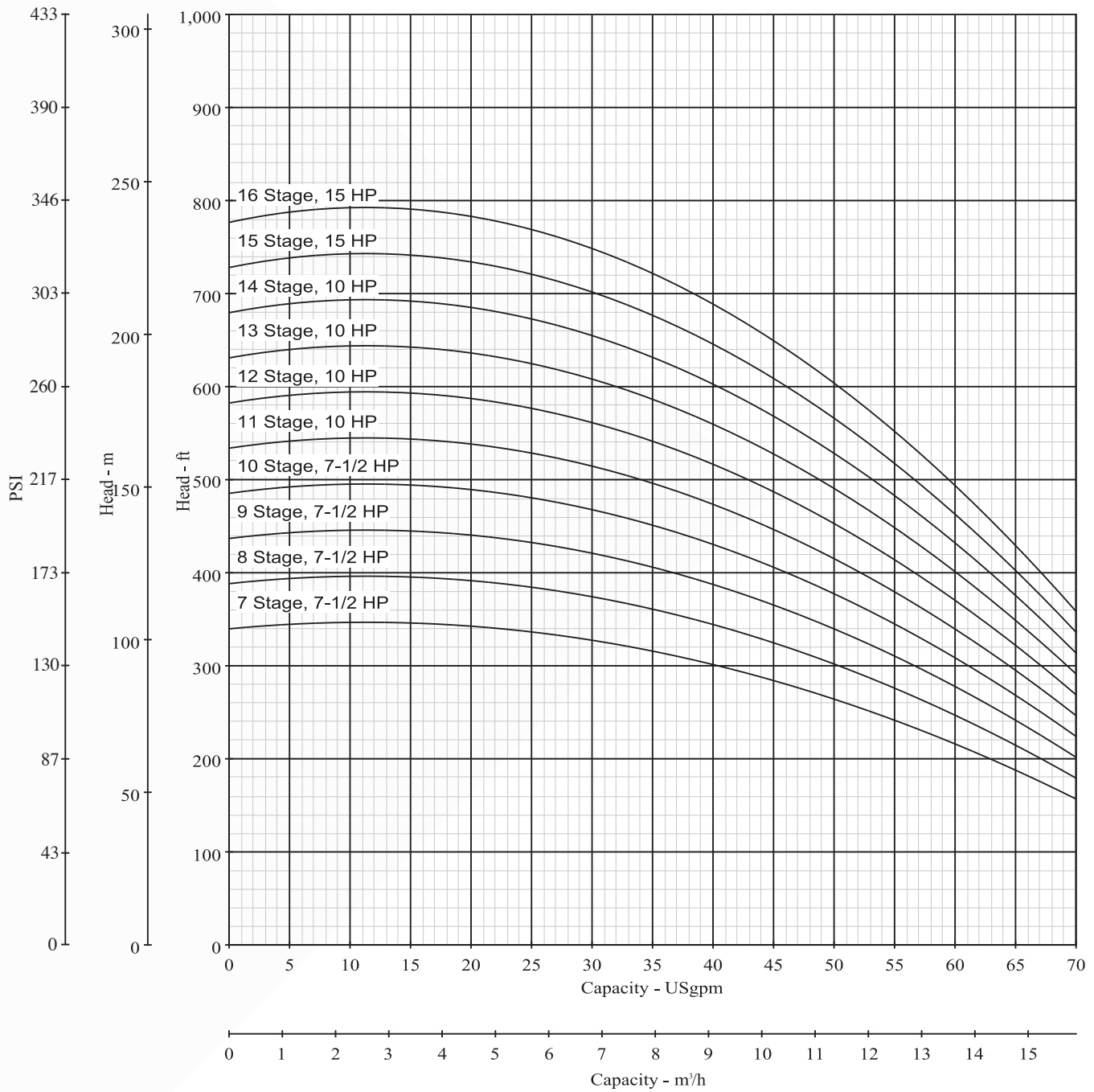
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 8 SERIES

Performance Curves – BVM (I/X) 8 Series

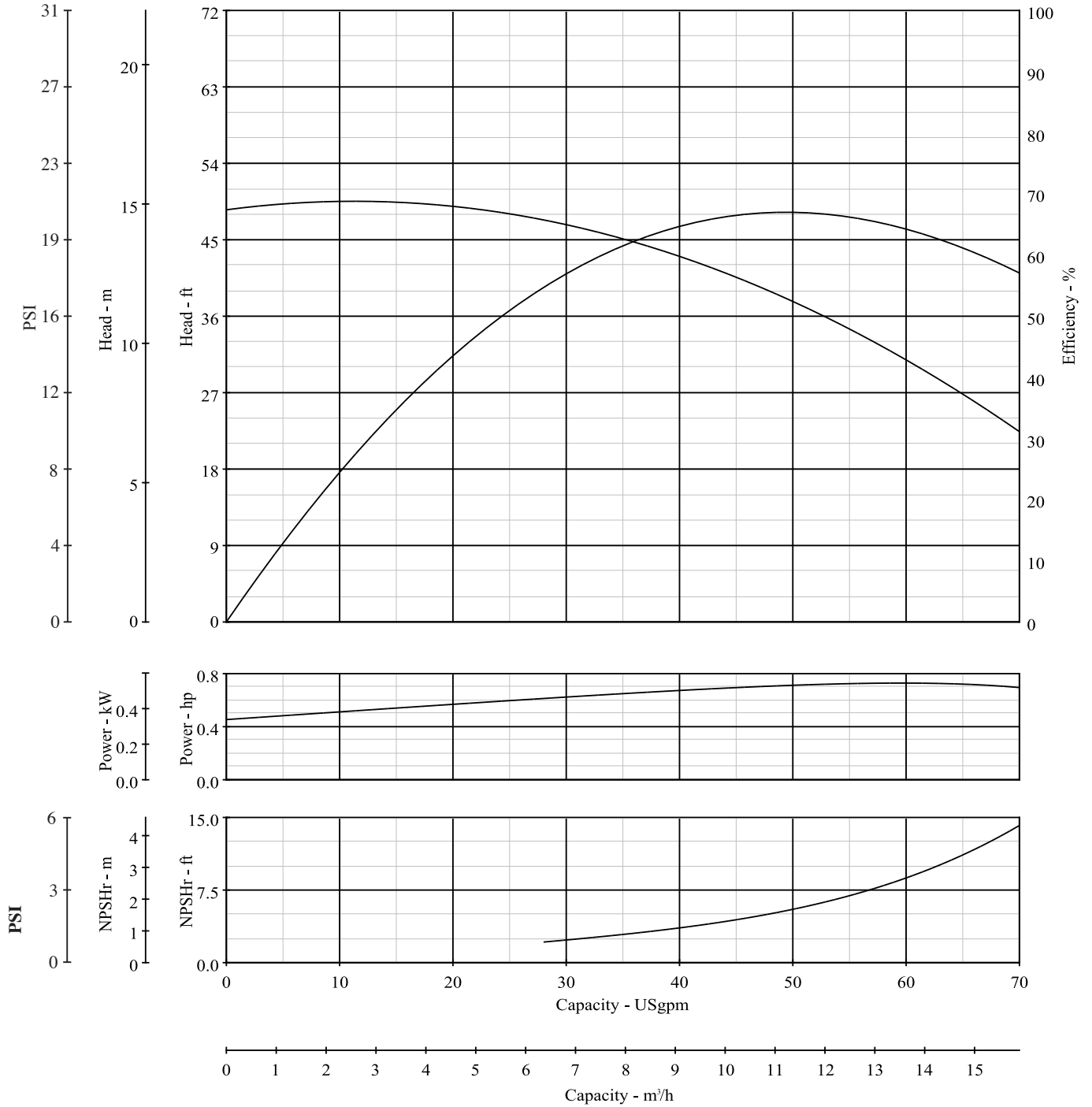
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 8 SERIES

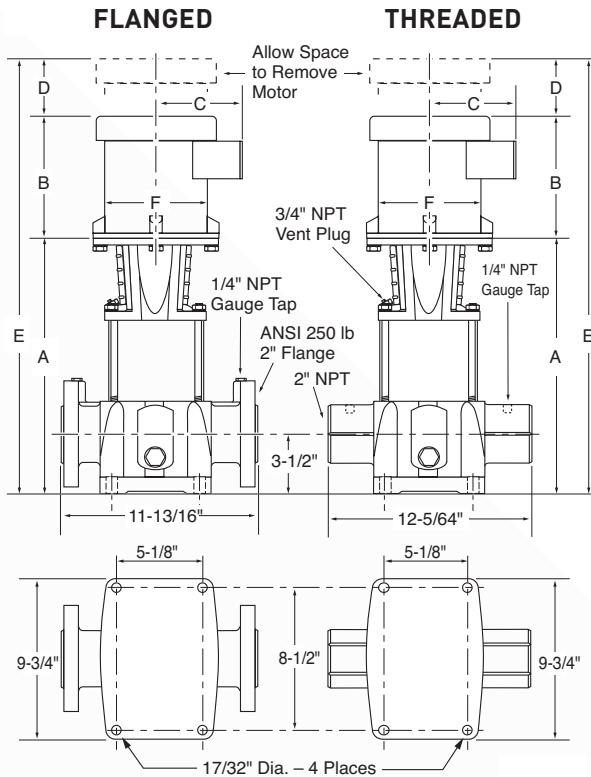
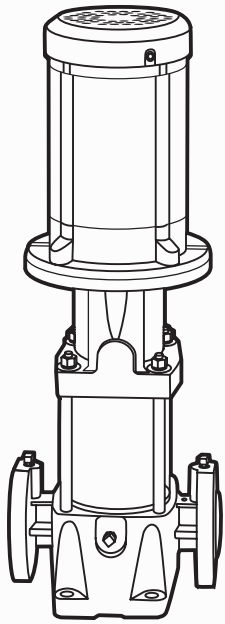
Single Stage Performance Data – BVM (I/X) 8 Series

Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM8 SERIES

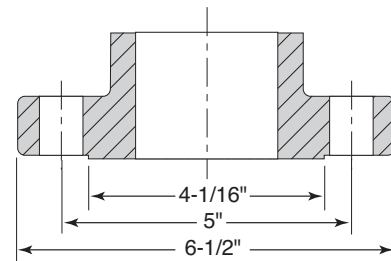
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 5.3 GPM
- FLOW RANGE:** 5.3 – 65 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.

2" ANSI 250 lb. 8-Bolt Flange



Dimensions and Specifications – BVM 8 Series

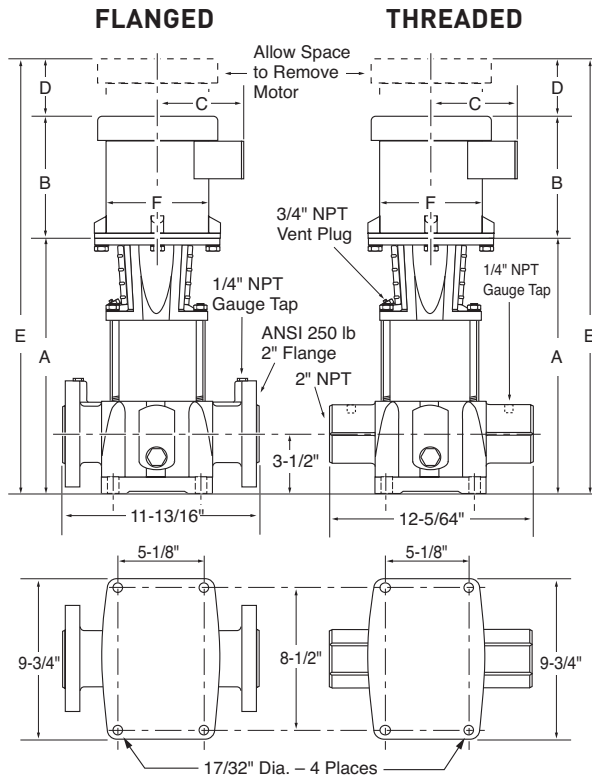
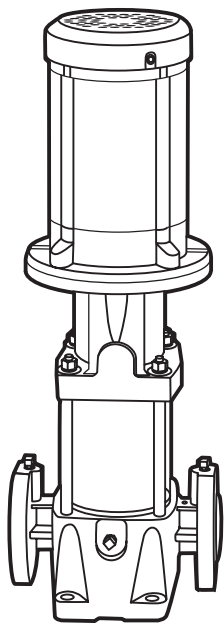
3/4 thru 5 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM8-20/1	0.75	1.25	1	115/208-230	56C	2	2	13-7/8	9-7/8	4-7/8	2	25-7/8	6	112	114
BVM8-20/1	0.75	1.25	3	208-230/460	56C	2	2	13-7/8	9-1/4	4-7/8	2	25-1/4	6	107	106
BVM8-20	1.5	1.25	1	115/208-230	56C	2	2	13-7/8	11-1/8	5-5/8	2	27-1/8	7-1/8	130	125
BVM8-20	1.5	1.15	3	208-230/460	56C	2	2	13-7/8	10-1/8	5-3/4	2-1/8	26-1/8	7-1/4	119	118
BVM8-30	3	1.15	1	208-230	182TC	2	2	16-5/8	13-5/8	6-7/8	2-3/4	33	8-1/2	182	173
BVM8-30	3	1.15	3	208-230/460	182TC	2	2	16-5/8	12-1/4	6-7/8	2-7/8	31-3/4	8-1/2	163	163
BVM8-40	3	1.15	1	208-230	182TC	2	2	17-3/4	13-5/8	6-7/8	2-3/4	34-1/4	8-1/2	184	175
BVM8-40	3	1.15	3	208-230/460	182TC	2	2	17-3/4	12-1/4	6-7/8	2-7/8	33	8-1/2	165	165
BVM8-50	5	1.15	1	208-230	213TCZ	2	2	19	15-1/4	8	3-3/8	37-5/8	10-5/8	217	191
BVM8-50	5	1.15	3	208-230/460	184TC	2	2	19	13-5/8	6-7/8	2-7/8	35-1/2	8-1/2	190	187
BVM8-60	5	1.15	1	208-230	213TCZ	2	2	20-1/8	15-1/4	8	3-3/8	38-7/8	10-5/8	221	195
BVM8-60	5	1.15	3	208-230/460	184TC	2	2	20-1/8	13-5/8	6-7/8	2-7/8	36-3/4	8-1/2	194	191
BVM8-70	5	1.15	1	208-230	213TCZ	2	2	20-1/8	15-1/4	8	3-3/8	38-7/8	10-5/8	224	198
BVM8-70	5	1.15	3	208-230/460	184TC	2	2	20-1/8	15-1/4	7-7/8	3-3/8	38-7/8	10-5/8	197	194

* Measurements represent the largest number possible for each model using standard efficiency motors.

BVM8 SERIES

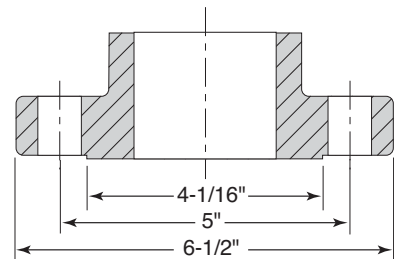
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 5.3 GPM
- FLOW RANGE:** 5.3 – 65 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.

2" ANSI. 250 lb. 8-Bolt Flange



Dimensions and Specifications – BVM 8 Series

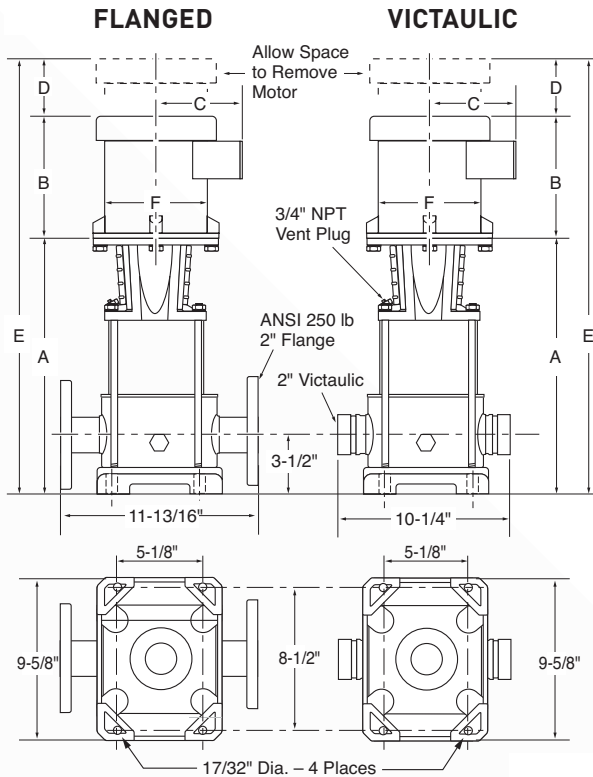
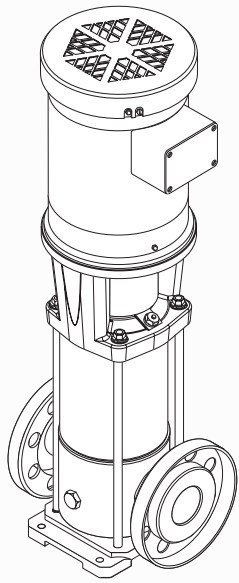
7-1/2 thru 15 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM8-80	7.5	1.15	1	208-230	213TC	2	2	22-1/2	15-1/4	8	3-3/8	41-1/8	10-5/8	206	223
BVM8-80	7.5	1.15	3	208-230/460	213TC	2	2	22-1/2	15-1/4	7-7/8	3-3/8	41-1/8	10-3/8	224	213
BVM8-90	7.5	1.15	1	208-230	213TC	2	2	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	207	234
BVM8-90	7.5	1.15	3	208-230/460	213TC	2	2	24-7/8	15-1/4	7 7/8	3-3/8	43-1/2	10-5/8	225	214
BVM8-100	7.5	1.15	1	208-230	213TC	2	2	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	208	235
BVM8-100	7.5	1.15	3	208-230/460	213TC	2	2	24-7/8	15-1/4	7-7/8	3-3/8	43-1/2	10-3/8	226	215
BVM8-110	10	1.15	1	208-230	215TC	2	2	27-1/4	16-3/8	8-3/4	3-3/8	47	10-5/8	285	265
BVM8-110	10	1.15	3	208-230/460	215TC	2	2	27-1/4	16-3/8	8	3-3/8	47	10-5/8	224	269
BVM8-120	10	1.15	1	208-230	215TC	2	2	27-1/4	16-3/8	8-3/4	3-3/8	47	10-5/8	286	266
BVM8-120	10	1.15	3	208-230/460	215TC	2	2	27-1/4	15-1/4	8	3-3/8	45-7/8	10-3/8	225	270
BVM8-130	10	1.15	1	208-230	215TC	2	2	27-1/4	16-3/8	8-3/4	3-3/8	47	10-5/8	287	267
BVM8-130	10	1.15	3	208-230/460	215TC	2	2	27-1/4	16-3/8	8	3-3/8	47	10-5/8	226	271
BVM8-140	10	1.15	1	208-230	215TC	2	2	29-5/8	16-3/8	8-3/4	3-3/8	49-3/8	10-5/8	288	268
BVM8-140	10	1.15	3	208-230/460	215TC	2	2	29-5/8	15-1/4	8	3-3/8	48-1/4	10-3/8	227	272
BVM8-150	15	1.15	3	230/460	254TC	2	2	32-1/2	19-5/8	9-1/2	4-1/4	56-3/8	13	354	351
BVM8-160	15	1.15	3	208-230/460	254TC	2	2	32-1/2	19-5/8	9-1/2	4-1/4	56-3/8	13	355	352

* Measurements represent the largest number possible for each model using standard efficiency motors.

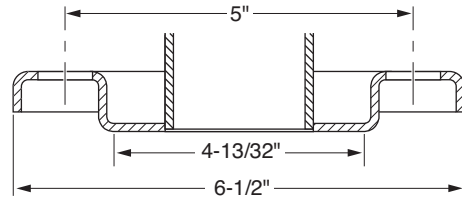
BVM (I/X) 8 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 5.3 GPM
- FLOW RANGE:** 5.3 – 65 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.



Dimensions and Specifications – BVM (I/X) 8 Series[†]

3/4 thru 5 HP

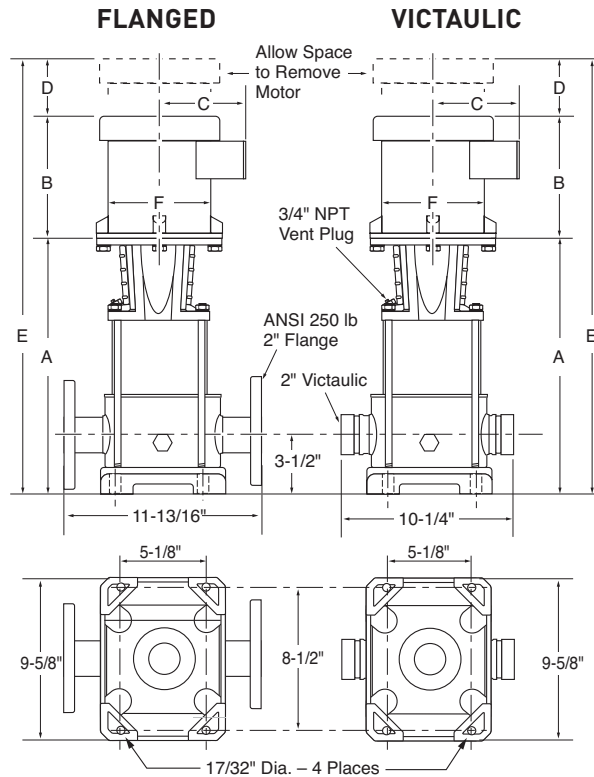
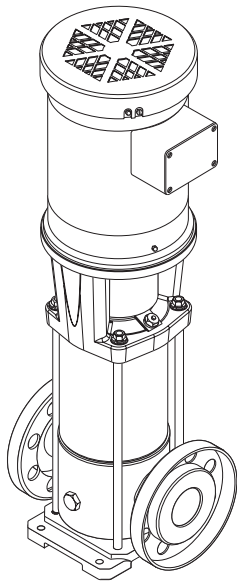
Model Number [†]	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)8-20/1	0.75	1.25	1	115/208-230	56C	2	2	13-7/8	9-7/8	4-7/8	2	25-7/8	6	72	74
BVM(I/X)8-20/1	0.75	1.25	3	208-230/460	56C	2	2	13-7/8	9-7/8	4-7/8	2	25-7/8	6	67	66
BVM(I/X)8-20	1.5	1.25	1	115/208-230	56C	2	2	13-7/8	11-1/8	5-3/4	2-1/8	27-1/8	7-1/4	90	85
BVM(I/X)8-20	1.5	1.15	3	208-230/460	56C	2	2	13-7/8	11-1/8	5-3/4	2-1/8	27-1/8	7-1/4	79	78
BVM(I/X)8-30	3	1.15	1	208-230	182TC	2	2	16-5/8	13-5/8	6-7/8	2-7/8	33-1/8	8-1/2	142	133
BVM(I/X)8-30	3	1.15	3	208-230/460	182TC	2	2	16-5/8	13-5/8	6-7/8	2-7/8	33-1/8	8-1/2	123	123
BVM(I/X)8-40	3	1.15	1	208-230	182TC	2	2	17-3/4	13-5/8	6-7/8	2-7/8	34-3/8	8-1/2	144	135
BVM(I/X)8-40	3	1.15	3	208-230/460	182TC	2	2	17-3/4	13-5/8	6-7/8	2-7/8	34-3/8	8-1/2	125	125
BVM(I/X)8-50	5	1.15	1	208-230	213TCZ	2	2	19	15-1/4	8	3-3/8	37-5/8	10-5/8	177	151
BVM(I/X)8-50	5	1.15	3	208-230/460	184TC	2	2	19	15-1/4	8	3-3/8	37-5/8	10-5/8	150	147
BVM(I/X)8-60	5	1.15	1	208-230	213TCZ	2	2	20-1/8	15-1/4	8	3-3/8	38-7/8	10-5/8	181	155
BVM(I/X)8-60	5	1.15	3	208-230/460	184TC	2	2	20-1/8	15-1/4	8	3-3/8	38-7/8	10-5/8	154	151
BVM(I/X)8-70	5	1.15	1	208-230	213TCZ	2	2	20-1/4	15-1/4	8	3-3/8	38-7/8	10-5/8	184	158
BVM(I/X)8-70	5	1.15	3	208-230/460	184TC	2	2	20-1/4	15-1/4	7-7/8	3-3/8	38-7/8	10-5/8	157	154

* Measurements represent the largest number possible for each model using standard efficiency motors.

† Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

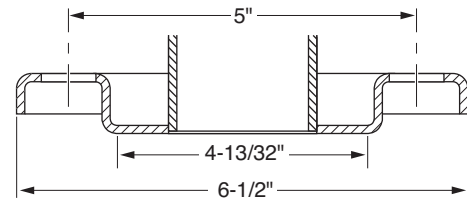
BVM (I/X) 8 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 5.3 GPM
- FLOW RANGE:** 5.3 – 65 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.



Dimensions and Specifications – BVM (I/X) 8 Series[†]

7-1/2 thru 15 HP

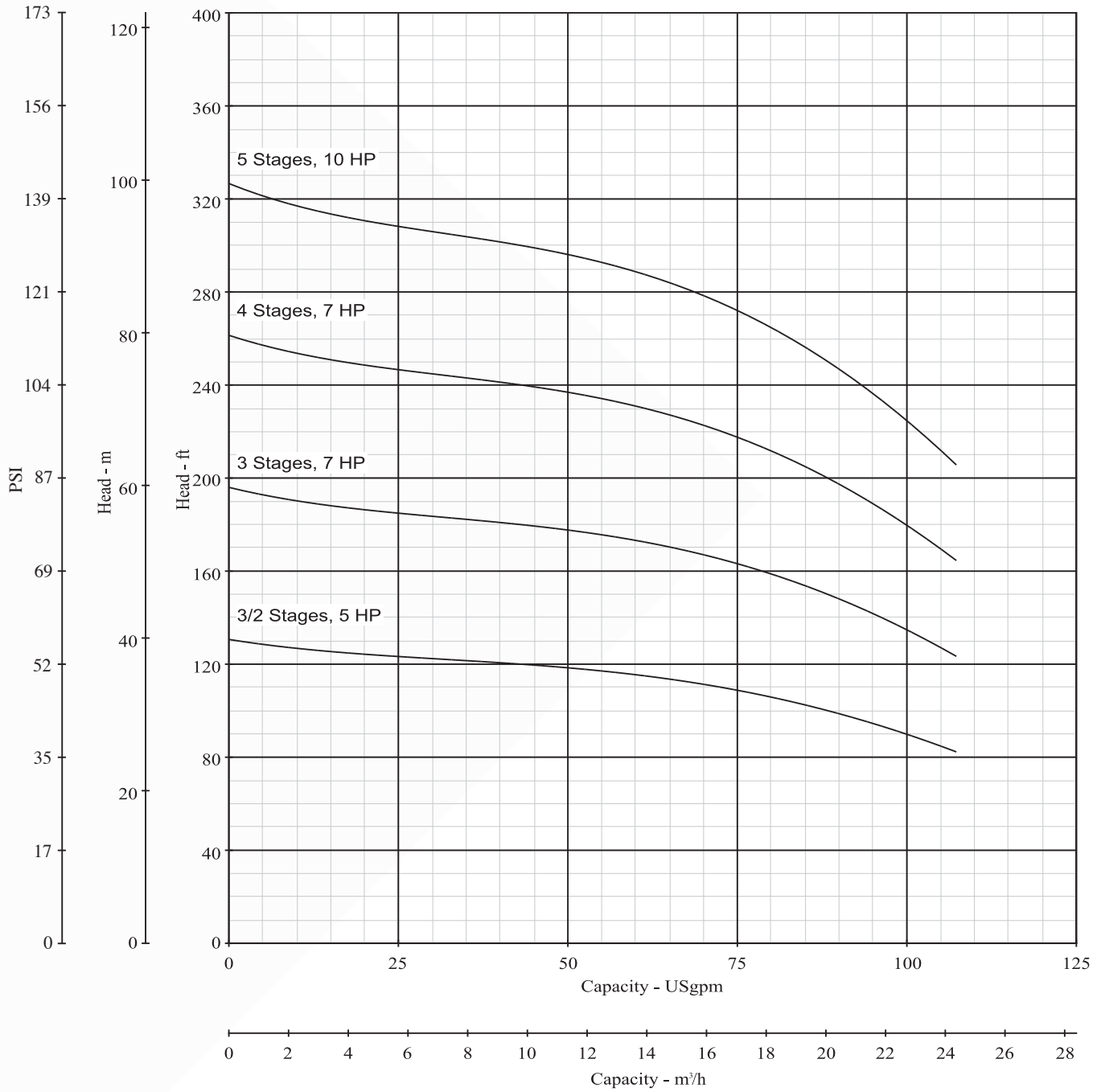
Model Number [†]	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)8-80	7.5	1.15	1	208-230	213TC	2	2	22-1/2	15-1/4	8	3-3/8	41-1/8	10-5/8	166	193
BVM(I/X)8-80	7.5	1.15	3	208-230/460	213TC	2	2	22-1/2	15-1/4	8	3-3/8	41-1/8	10-5/8	184	173
BVM(I/X)8-90	7.5	1.15	1	208-230	213TC	2	2	25	15 1/4	8	3-3/8	43-5/8	10-5/8	167	194
BVM(I/X)8-90	7.5	1.15	3	208-230/460	213TC	2	2	25	15 1/4	7-7/8	3-3/8	43-5/8	10-5/8	185	174
BVM(I/X)8-100	7.5	1.15	1	208-230	213TC	2	2	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	168	195
BVM(I/X)8-100	7.5	1.15	3	208-230/460	213TC	2	2	24-7/8	15-1/4	8	3-3/8	43-1/2	10-5/8	186	175
BVM(I/X)8-110	10	1.15	1	208-230	215TC	2	2	27-3/8	16-3/8	8-3/4	3-3/8	47-1/8	10-5/8	245	225
BVM(I/X)8-110	10	1.15	3	208-230/460	215TC	2	2	27-3/8	16-3/8	8	3-3/8	47-1/8	10-5/8	184	229
BVM(I/X)8-120	10	1.15	1	208-230	215TC	2	2	27-1/4	16-1/2	8-3/4	3-3/8	47-1/8	10-5/8	246	226
BVM(I/X)8-120	10	1.15	3	208-230/460	215TC	2	2	27-1/4	16-1/2	8-3/4	3-3/8	47-1/8	10-5/8	185	230
BVM(I/X)8-130	10	1.15	1	208-230	215TC	2	2	27-3/8	16-3/8	8-3/4	3-3/8	47-1/8	10-5/8	247	227
BVM(I/X)8-130	10	1.15	3	208-230/460	215TC	2	2	27-3/8	16-3/8	8	3-3/8	47-1/8	10-5/8	186	231
BVM(I/X)8-140	10	1.15	1	208-230	215TC	2	2	29-5/8	16-3/8	8-3/4	3-3/8	49-3/8	10-5/8	248	228
BVM(I/X)8-140	10	1.15	3	208-230/460	215TC	2	2	29-5/8	16-3/8	8-3/4	3-3/8	49-3/8	10-5/8	187	232
BVM(I/X)8-150	15	1.15	3	230/460	254TC	2	2	32-5/8	19-5/8	9-1/2	4-1/4	56-1/2	13	314	311
BVM(I/X)8-160	15	1.15	3	208-230/460	254TC	2	2	32-1/2	19-5/8	9-1/2	4-1/4	56-3/8	13	315	312

* Measurements represent the largest number possible for each model using standard efficiency motors.
[†] Includes BVM(I) models constructed of 304 Stainless Steel and BVM(X) models constructed of 316 Stainless Steel.

BVM (I/X) 16 SERIES

Performance Curves – BVM (I/X) 16 Series

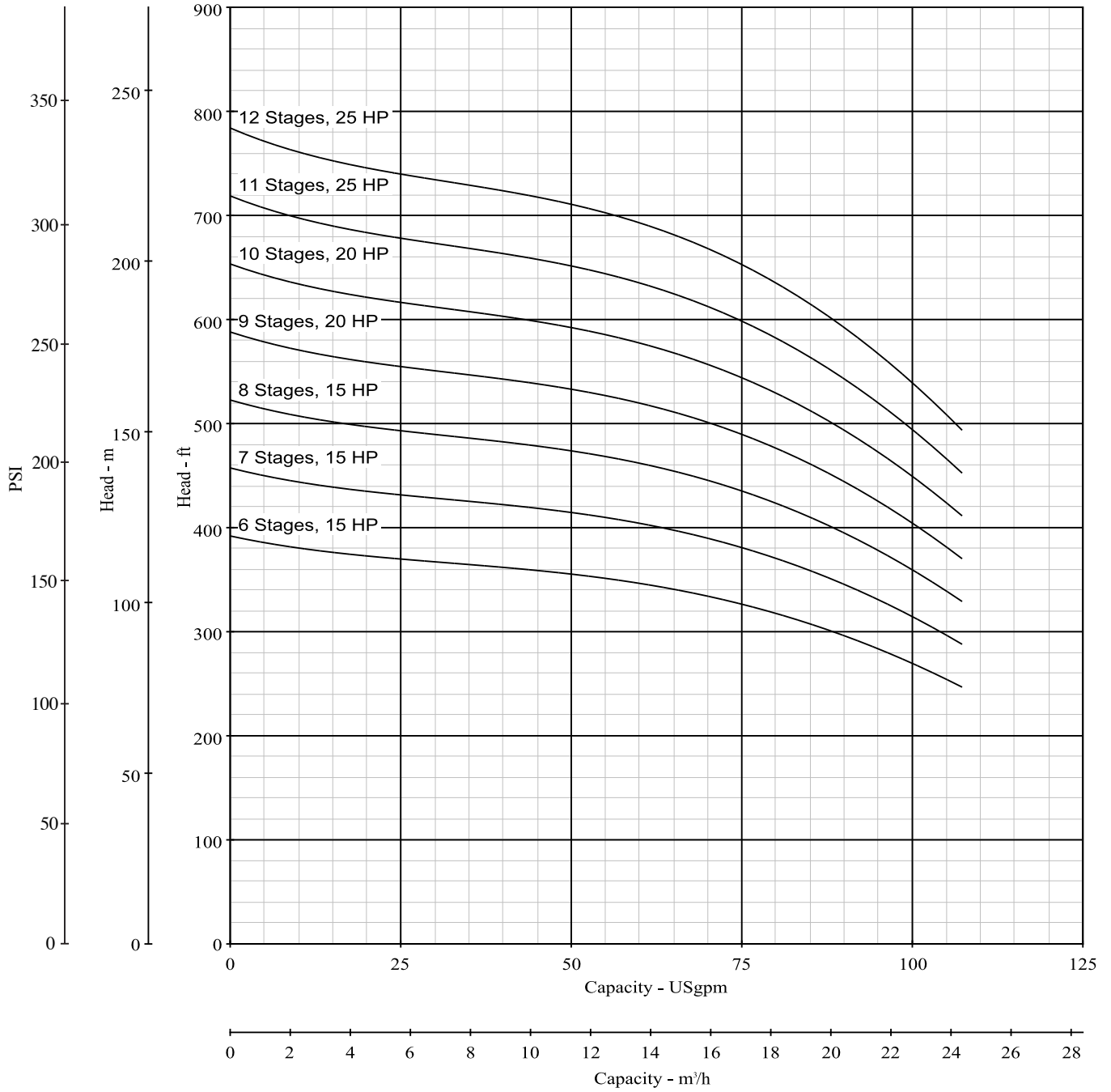
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 16 SERIES

Performance Curves – BVM (I/X) 16 Series

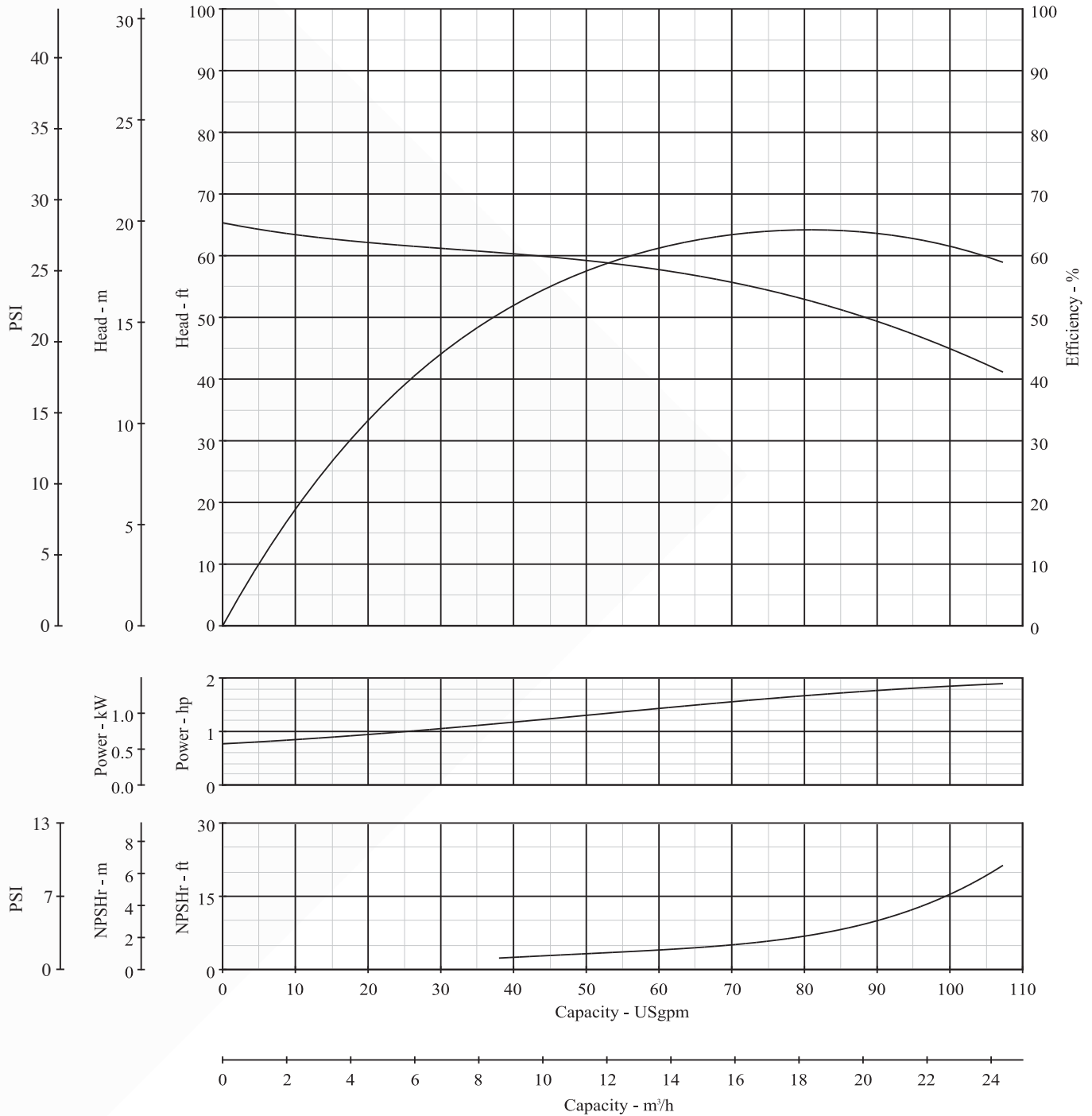
Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM (I/X) 16 SERIES

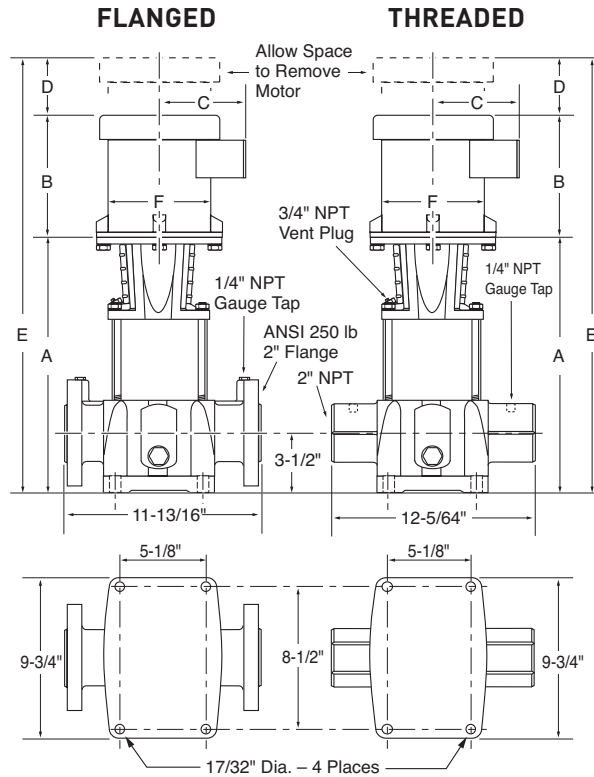
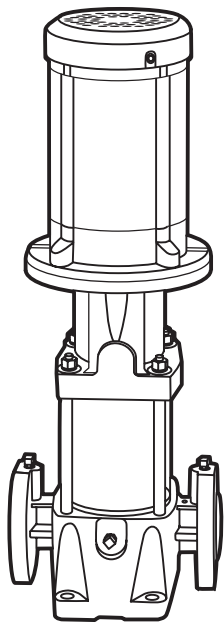
Single Stage Performance Data – BVM (I/X) 16 Series

Nominal RPM: **3450**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 360 PSI



BVM16 SERIES

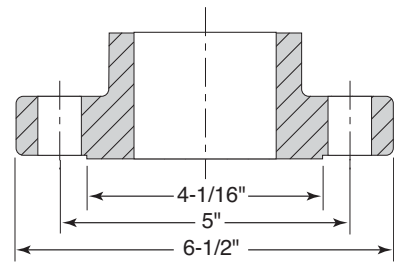
Cast Iron Construction



Technical Information

- MINIMUM PUMPING RATES:** 8.5 GPM
- FLOW RANGE:** 8.5 - 105 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.

2" ANSI. 250 lb. 8-Bolt Flange



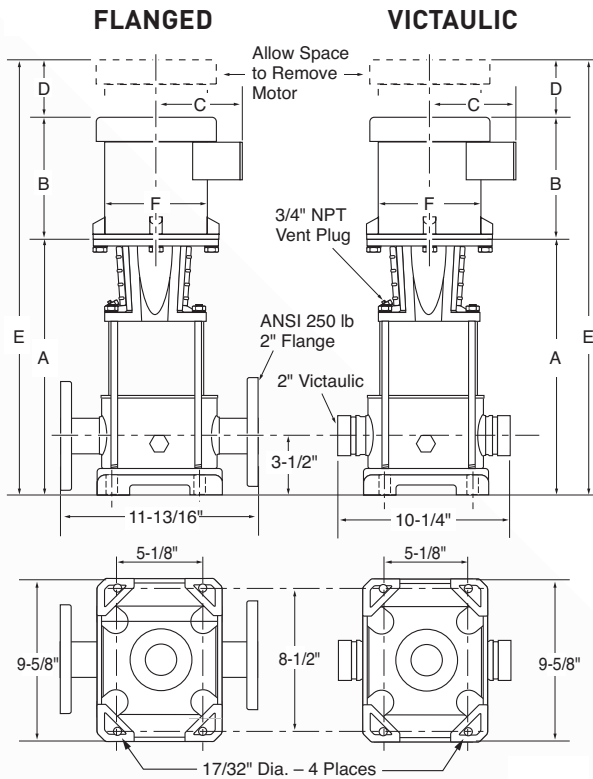
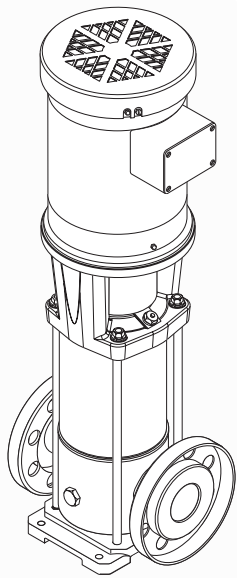
Dimensions and Specifications – BVM 16 Series 5 thru 25 HP

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM16-30/2	5	1.15	1	208-230	213TCZ	2	2	17-7/8	15-1/4	8	3-3/8	36-1/2	10-5/8	218	192
BVM16-30/2	5	1.15	3	208-230/460	184TC	2	2	17-7/8	13-5/8	6-7/8	2-7/8	34-3/8	8-1/2	191	188
BVM16-30	7.5	1.15	1	208-230	213TC	2	2	17-7/8	15-1/4	8	3-3/8	36-1/2	10-5/8	200	227
BVM16-30	7.5	1.15	3	208-230/460	213TC	2	2	17-7/8	15-1/4	7-1/2	3-3/8	36-1/2	10-3/8	218	207
BVM16-40	7.5	1.15	1	208-230	213TC	2	2	19-5/8	15-1/4	8	3-3/8	38-1/4	10-5/8	200	227
BVM16-40	7.5	1.15	3	208-230/460	213TC	2	2	19-5/8	15-1/4	7-7/8	3-3/8	38-1/4	10-3/8	218	207
BVM16-50	10	1.15	1	208-230	215TC	2	2	21-3/8	16-3/8	8-3/4	3-3/8	41-1/8	10-5/8	285	265
BVM16-50	10	1.15	3	208-230/460	215TC	2	2	21-3/8	15-1/4	8	3-3/8	40	10-3/8	224	269
BVM16-60	15	1.15	3	208-230/460	254TC	2	2	23-5/8	19-5/8	9-1/2	4-1/4	47-1/2	13	344	341
BVM16-70	15	1.15	3	208-230/460	254TC	2	2	25-3/8	19-5/8	9-1/2	4-1/4	49-1/4	13	347	344
BVM16-80	15	1.15	3	208-230/460	254TC	2	2	27-1/8	19-5/8	9-1/2	4-1/4	51-1/8	13	349	346
BVM16-90	20	1.15	3	230/460	254TC	2	2	28-1/2	21-3/4	9-1/8	4	54-1/4	11-1/2	416	351
BVM16-100	20	1.15	3	230/460	254TC	2	2	31-1/4	21-3/4	9-1/8	4	56	11-1/2	420	355
BVM16-110	25	1.15	3	230/460	284TSC	2	2	31-7/8	21-3/4	9-1/2	3-1/4	56-7/8	13	525	402
BVM16-120	25	1.15	3	230/460	284TSC	2	2	33-5/8	21-3/4	9-1/2	3-1/4	58-5/8	13	533	410

* Measurements represent the largest number possible for each model using standard efficiency motors.

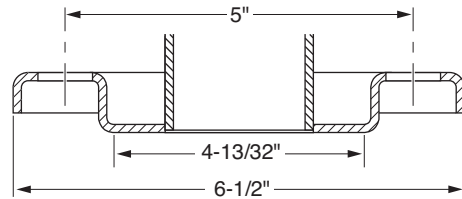
BVM (I/X) 16 SERIES

304 SS and 316 SS Construction



Technical Information

- MINIMUM PUMPING RATES:** 8.5 GPM
- FLOW RANGE:** 8.5 - 105 GPM
- MINIMUM SUCTION PIPE SIZES:** 2" NOMINAL DIAMETER, SCHEDULE 40 PIPE
- MAXIMUM WORKING PRESSURE:** 360 PSI
- MAXIMUM AMBIENT TEMPERATURE:** 104° F
- LIQUID TEMPERATURE RANGE:** +5° F TO +250° F
- MOTOR OPTIONS:** TEFC OR ODP
- CONSTRUCTION MATERIALS:** SEE PAGE 31.



Dimensions and Specifications – BVM (I/X) 16 Series†

5 thru 25 HP

Model Number†	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM(I/X)16-30/2	5	1.15	1	208-230	213TCZ	2	2	19-1/2	15-1/4	8	3-3/8	38-1/4	10-5/8	167	141
BVM(I/X)16-30/2	5	1.15	3	208-230/460	184TC	2	2	19-1/2	15-1/4	8	3-3/8	38-1/4	10-5/8	140	137
BVM(I/X)16-30	7.5	1.15	1	208-230	213TC	2	2	19-1/2	15-1/4	8	3-3/8	38-1/4	10-5/8	153	180
BVM(I/X)16-30	7.5	1.15	3	208-230/460	213TC	2	2	19-1/2	15-1/4	8	3-3/8	38-1/4	10-5/8	171	160
BVM(I/X)16-40	7.5	1.15	1	208-230	213TC	2	2	21-3/8	15-1/4	8	3-3/8	40	10-5/8	156	183
BVM(I/X)16-40	7.5	1.15	3	208-230/460	213TC	2	2	21-3/8	15-1/4	8	3-3/8	40	10-5/8	174	163
BVM(I/X)16-50	10	1.15	1	208-230	215TC	2	2	21-3/8	16-3/8	8-3/4	3-3/8	42-7/8	10-5/8	234	214
BVM(I/X)16-50	10	1.15	3	208-230/460	215TC	2	2	21-3/8	16-3/8	8-3/4	3-3/8	42-7/8	10-5/8	173	218
BVM(I/X)16-60	15	1.15	3	208-230/460	254TC	2	2	23-5/8	19-5/8	9-1/2	4-1/4	49-1/4	13	307	304
BVM(I/X)16-70	15	1.15	3	208-230/460	254TC	2	2	25-3/8	19-5/8	9-1/2	4-1/4	51	13	309	306
BVM(I/X)16-80	15	1.15	3	208-230/460	254TC	2	2	27-1/8	19-5/8	9-1/2	4-1/4	52-7/8	13	322	319
BVM(I/X)16-90	20	1.15	3	230/460	254TC	2	2	28-1/2	21-3/4	9 1/8	4	56	11-1/2	389	324
BVM(I/X)16-100	20	1.15	3	230/460	254TC	2	2	30-1/4	21-3/4	9-1/8	4	57-3/4	11-1/2	398	333
BVM(I/X)16-110	25	1.15	3	230/460	284TSC	2	2	32	21-3/4	9-1/2	3-1/4	58-3/4	13	503	380
BVM(I/X)16-120	25	1.15	3	230/460	284TSC	2	2	33-5/8	21-3/4	9-1/2	3-1/4	60-3/8	13	506	383

* Measurements represent the largest number possible for each model using standard efficiency motors.
 † Includes BVM1 models constructed of 304 Stainless Steel and BVMX models constructed of 316 Stainless Steel.

BVM (I/X) 8 & 16 SERIES

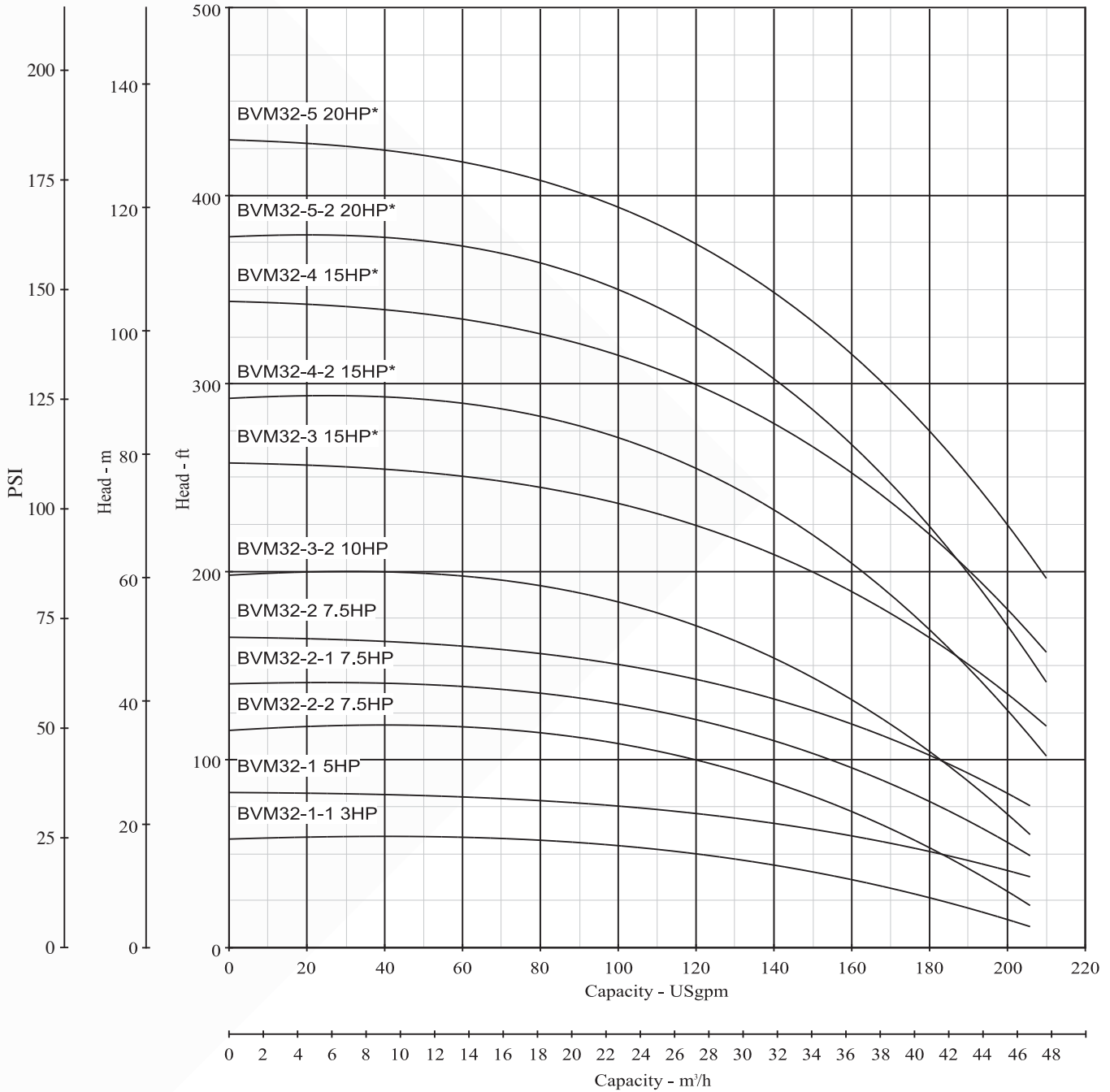
Construction Materials

Description	Cast Iron	304 Stainless Steel	316 Stainless Steel	Optional Accessories
Shaft	AISI 431 SS	AISI 431 SS	AISI 316 SS	
Impellers, Diffuser Chambers, Pump Sleeve, Suction Interconnector, and Shaft Seal Parts	AISI 304 SS	AISI 304 SS	AISI 316 SS	
Suction/discharge Motor bracket	Class 30 Cast Iron	304 SS Class 30 CI or 316 SS	316 SS Class 30 CI or 316 SS	
Motor Couplings	Class 30 Cast Iron	Class 30 Cast Iron	Class 30 Cast Iron	
Intermediate Chamber Bearings	Aluminum Oxide Ceramic	Aluminum Oxide Ceramic	Aluminum Oxide Ceramic	
Bearing Ring	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	
O-Rings	EPDM	EPDM	EPDM	Viton or Buna-N
Wear Rings	Teflon	Teflon	Teflon	
Sleeve O-Rings	EPDM	EPDM	EPDM	Viton or Buna-N
Shaft Spacers	AISI 316 SS	AISI 316 SS	AISI 316 SS	
Top Spring	AISI 316 SS	AISI 316 SS	AISI 316 SS	
Coupling Guard	AISI 302 SS	AISI 302 SS	AISI 302 SS	
Staybolts, Nuts & Washers	Zinc Plated Steel	Zinc Plated Steel	Zinc Plated Steel	
Mechanical Seal (High Pressure)				
• Stationary Face	Carbon Graphite	Carbon Graphite	Carbon Graphite	
• Rotating Face	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	
• O-Rings	EPDM	EPDM	EPDM	Viton or Buna-N
• Upper and Lower Drivers	AISI 316 SS	AISI 316 SS	AISI 316 SS	
• Spring	AISI 316 SS	AISI 316 SS	AISI 316 SS	

BVM32 SERIES

Performance Curves – BVM 32 Series

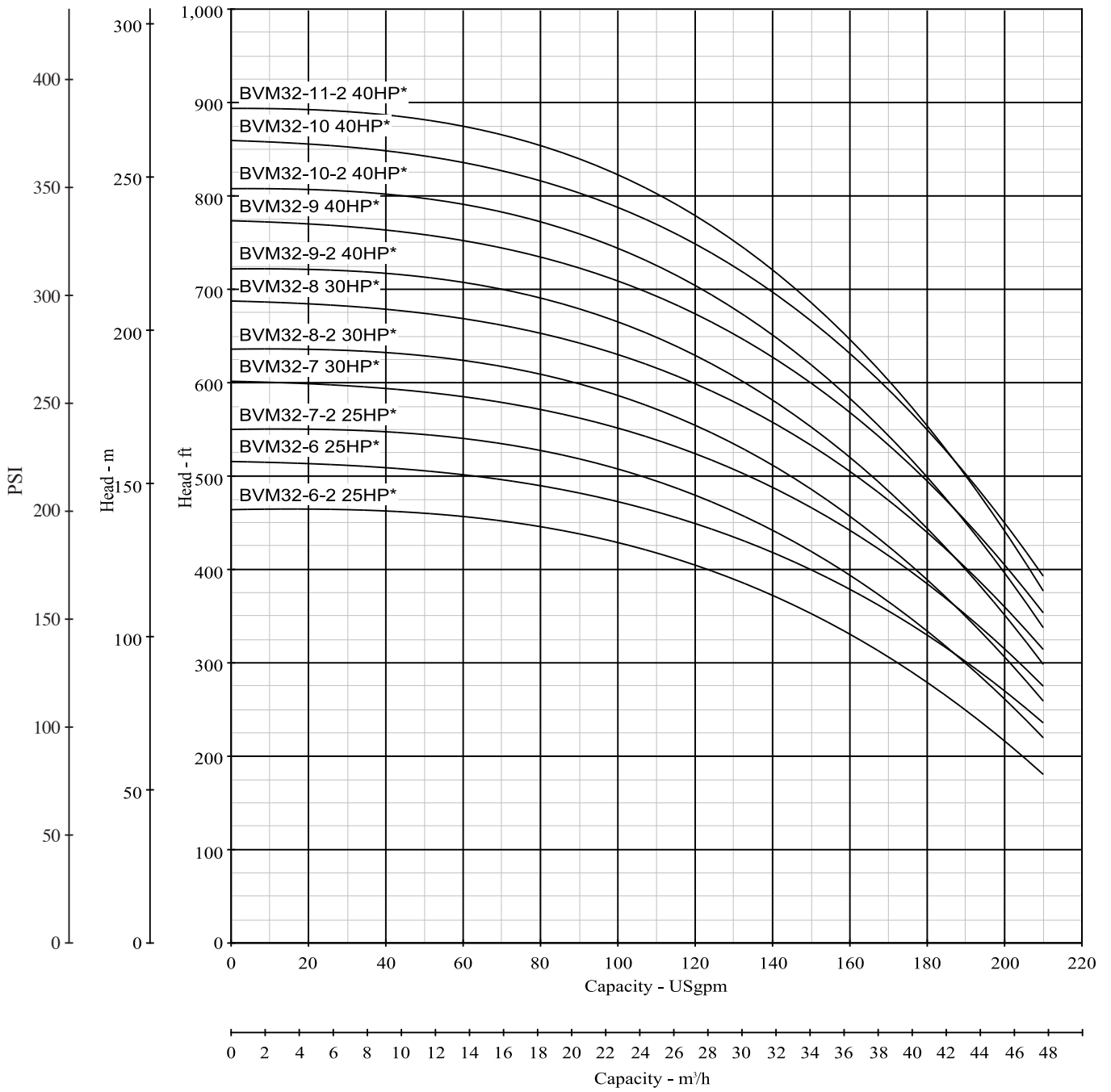
Nominal RPM: **3450 (*3520)**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 435 PSI



BVM32 SERIES

Performance Curves – BVM 32 Series

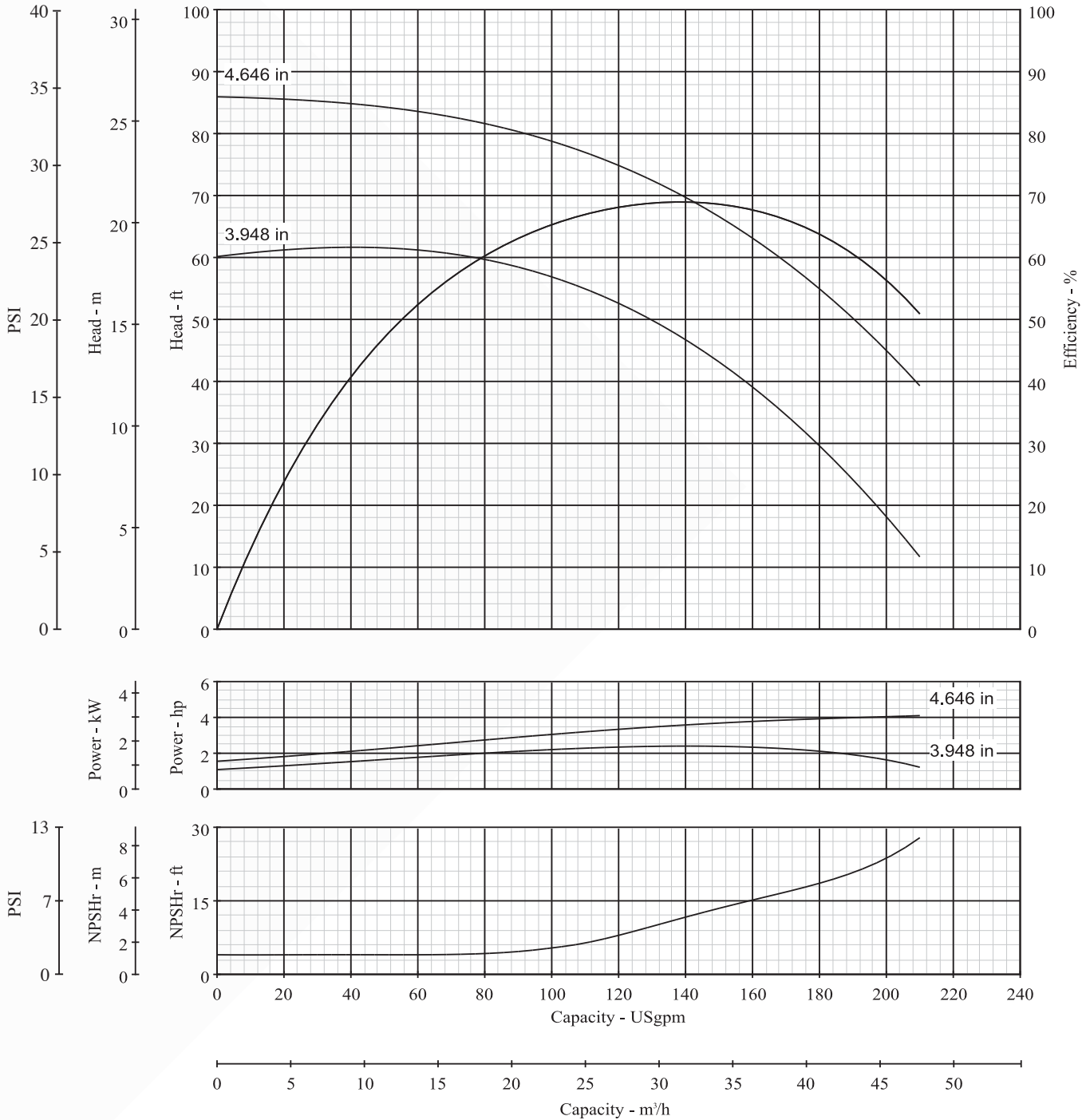
Nominal RPM: **3450 (*3520)**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 435 PSI



BVM32 SERIES

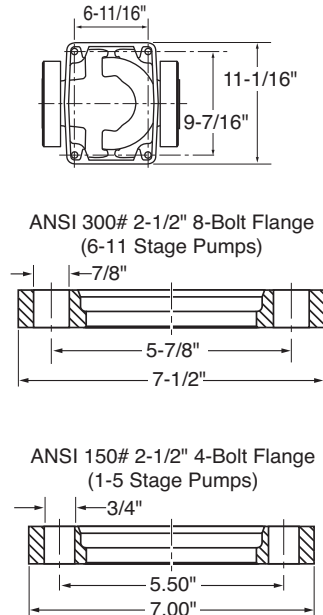
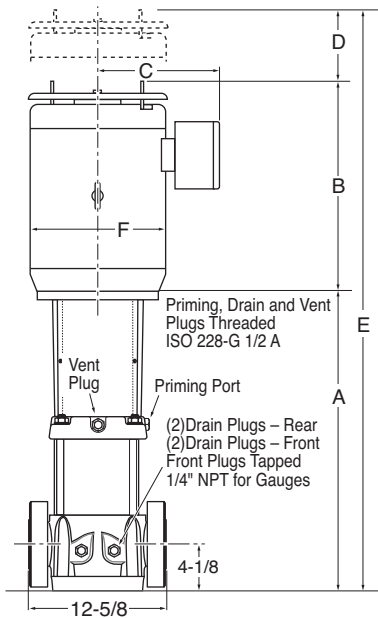
Single Stage Performance Data Curves – BVM 32 Series

Nominal RPM: **3520**
 Based on Fresh Water@68 deg. F.
 Maximum Working Pressure: 230 PSI



BVM32 SERIES

Cast Iron Construction



Technical Information

MINIMUM PUMPING RATES:
 UP TO 175° F - 15 GPM
 175° F TO 250° F - 35 GPM

FLOW RANGE: 15 - 210 GPM

MINIMUM SUCTION PIPE SIZES:
 2-1/2" NOMINAL DIAMETER, SCHEDULE 40 PIPE

MAXIMUM WORKING PRESSURE: 435 PSI

MAXIMUM AMBIENT TEMPERATURE: 104° F

LIQUID TEMPERATURE RANGE: +5° F TO +250° F

MOTOR OPTIONS: TEFC OR ODP
 SINGLE OR THREE PHASE
 FOR OTHER OPTIONS,
 CONSULT FACTORY.

CONSTRUCTION MATERIALS: SEE PAGE 36.

Dimensions and Specifications – BVM32 Series

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						Weight (ODP)	Weight (TEFC)
								A	B	C	D	E	F		
BVM32-1-1	3	1.15	1	208-230	182TC	2-1/2	2-1/2	22.74	13.63	6.88	2.88	39.24	8.50	191	187
BVM32-1-1	3	1.15	3	208-230/460	182TC	2-1/2	2-1/2	22.74	13.63	6.88	2.88	39.24	8.50	191	187
BVM32-1	5	1.15	1	208-230	184TC	2-1/2	2-1/2	22.74	15.25	8.00	3.38	41.37	10.63	205	199
BVM32-1	5	1.15	3	208-230/460	213TCZ	2-1/2	2-1/2	22.74	15.25	8.00	3.38	41.37	10.63	205	199
BVM32-2-2	7.5	1.15	1	208-230	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-2-2	7.5	1.15	3	208-230/460	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-2-1	7.5	1.15	1	208-230	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-2-1	7.5	1.15	3	208-230/460	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-2	7.5	1.15	1	208-230	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-2	7.5	1.15	3	208-230/460	213TC	2-1/2	2-1/2	27.49	15.25	8.00	3.38	46.12	10.63	228	231
BVM32-3-2	10	1.15	1	208-230	215TC	2-1/2	2-1/2	30.24	16.38	8.75	3.38	49.99	10.63	252	268
BVM32-3-2	10	1.15	3	208-230/460	215TC	2-1/2	2-1/2	30.24	16.38	8.75	3.38	49.99	10.63	252	268
BVM32-3	15	1.15	3	208-230/460	254TC	2-1/2	2-1/2	30.24	19.63	9.50	4.25	54.12	13.00	344	355
BVM32-4-2	15	1.15	3	208-230/460	254TC	2-1/2	2-1/2	33.00	19.63	9.50	4.25	56.88	13.00	353	364
BVM32-4	15	1.15	3	208-230/460	254TC	2-1/2	2-1/2	33.00	19.63	9.50	4.25	56.88	13.00	353	364
BVM32-5-2	20	1.15	3	230/460	254TC	2-1/2	2-1/2	35.75	21.75	9.13	4.00	61.50	11.50	362	388
BVM32-5	20	1.15	3	230/460	254TC	2-1/2	2-1/2	35.75	21.75	9.13	4.00	61.50	11.50	362	388
BVM32-6-2	25	1.15	3	230/460	284TSC	2-1/2	2-1/2	38.51	21.75	9.13	3.25	63.51	13.00	385	458
BVM32-6	25	1.15	3	230/460	284TSC	2-1/2	2-1/2	38.51	21.75	9.13	3.25	63.51	13.00	385	458
BVM32-7-2	25	1.15	3	230/460	284TSC	2-1/2	2-1/2	41.25	21.75	9.13	3.25	66.25	13.00	394	467
BVM32-7	30	1.15	3	230/460	284TSC	2-1/2	2-1/2	41.25	22.94	13.11	3.25	67.44	14.88	419	545
BVM32-8-2	30	1.15	3	230/460	284TSC	2-1/2	2-1/2	44.02	22.94	13.11	3.25	70.21	14.88	428	554
BVM32-8	30	1.15	3	230/460	284TSC	2-1/2	2-1/2	44.02	22.94	13.11	3.25	70.21	14.88	428	554
BVM32-9-2	40	1.15	3	230/460	286TSC	2-1/2	2-1/2	46.78	22.94	13.13	3.25	72.97	14.91	497	602
BVM32-9	40	1.15	3	230/460	286TSC	2-1/2	2-1/2	46.78	22.94	13.13	3.25	72.97	14.91	497	602
BVM32-10-2	40	1.15	3	230/460	286TSC	2-1/2	2-1/2	49.53	22.94	13.13	3.25	75.72	14.91	506	611
BVM32-10	40	1.15	3	230/460	286TSC	2-1/2	2-1/2	49.53	22.94	13.13	3.25	75.72	14.91	506	611
BVM32-11-2	40	1.15	3	230/460	286TSC	2-1/2	2-1/2	52.29	22.94	13.13	3.25	78.48	14.91	515	620

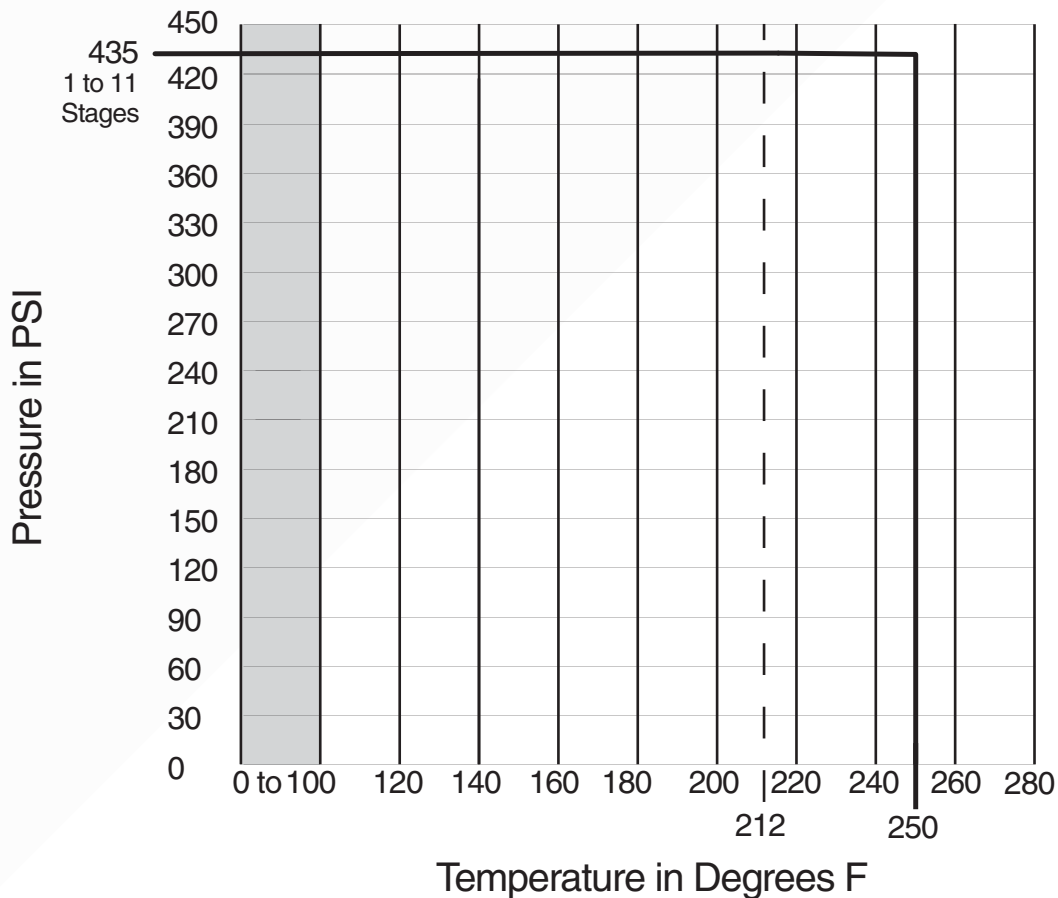
* Measurements represent the largest number possible for each model using standard efficiency motors.

BVM32 SERIES

Materials of Construction

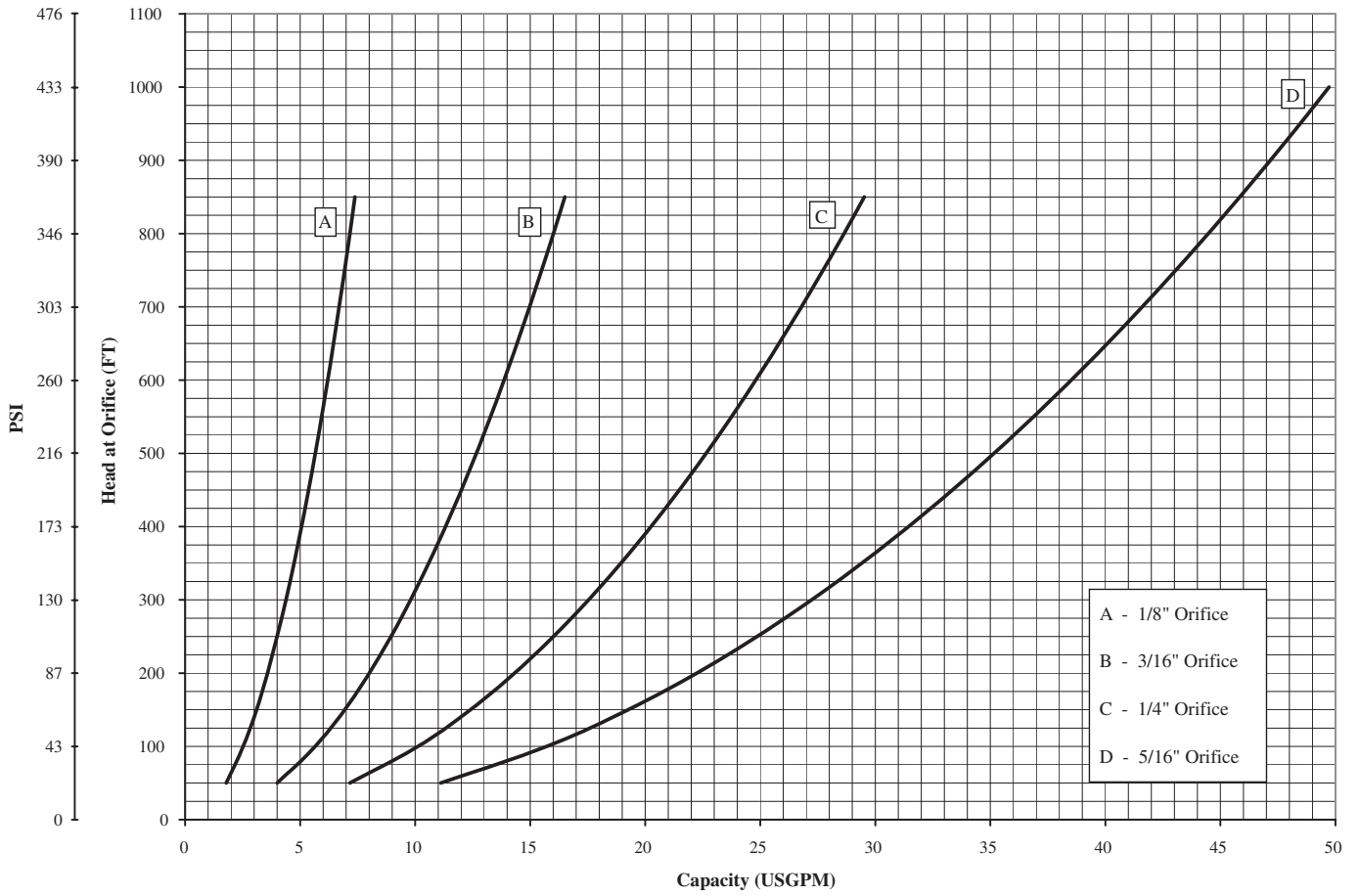
Description	Material	Description	Material
Shaft	AISI 431 SS	Lower Shaft	
Impellers		Stabilizer Bearing	Tungsten Carbide
Diffuser Chambers, Pump Sleeve		O-Rings	EPDM opt:Viton, Buna-N
Split Cones and Split Cone Nuts, and Suction Interconnector	AISI 304 SS	Neck Rings	Teflon
Motor Stool	Class 30 Cast Iron	Coupling Guard	AISI 304 SS
Suction/discharge, Pump Head, and Motor Couplings	80-55-06 Ductile Iron	Staybolts, Nuts & Washers	Zinc Plated Steel
Intermediate Bearings	Leadless Tin Bronze	Mechanical Seal	
Diffuser Sleeves	Graphite	• Stationary Face	Tungsten Carbide
Bearing Ring		• Rotating Face	
		• O-Rings	Tungsten Carbide
		• Upper and Lower Drivers	EPDM opt:Viton, Buna-N
		• Spring	AISI 304 SS or Better
		Seal Carrier	AISI 316 SS
			UNIC 40 Epoxy Coated Steel

Permissible Operating Pressure Curves



BVM SERIES

Bypass Orifice Sizing



Limited Warranty

BERKELEY warrants to the original consumer purchaser ("Purchaser" or "You") of the products listed below, that they will be free from defects in material and workmanship for the Warranty Period shown below.

Product	Warranty Period
Water Systems:	
Water Systems Products — jet pumps, small centrifugal pumps, submersible pumps and related accessories	whichever occurs first: 12 months from date of original installation, or 18 months from date of manufacture
Pro-Source™ Composite Tanks	5 years from date of original installation
Pro-Source™ Steel Pressure Tanks	5 years from date of original installation
Pro-Source™ Epoxy-Lined Tanks	3 years from date of original installation
Sump/Sewage/Effluent Products	12 months from date of original installation, or 18 months from date of manufacture
Agricultural/Commercial:	
Centrifugals – close-coupled motor drive, frame mount, SAE mount, engine drive, VMS, SSCX, SSHM, solids handling, submersible solids handling	12 months from date of original installation, or 24 months from date of manufacture
Submersible Turbines, 6" diameter and larger	12 months from date of original installation, or 24 months from date of manufacture

Our limited warranty will not apply to any product that, in our sole judgement, has been subject to negligence, misapplication, improper installation, or improper maintenance. Without limiting the foregoing, operating a three phase motor with single phase power through a phase converter will void the warranty. Note also that three phase motors must be protected by three-leg, ambient compensated, extra-quick trip overload relays of the recommended size or the warranty is void.

Your only remedy, and BERKELEY's only duty, is that BERKELEY repair or replace defective products (at BERKELEY's choice). You must pay all labor and shipping charges associated with this warranty and must request warranty service through the installing dealer as soon as a problem is discovered. No request for service will be accepted if received after the Warranty Period has expired. This warranty is not transferable.

BERKELEY SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING LIMITED WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING LIMITED WARRANTIES SHALL NOT EXTEND BEYOND THE DURATION PROVIDED HEREIN.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on the duration of an implied warranty, so the above limitations or exclusions may not apply to You. This warranty gives You specific legal rights and You may also have other rights which vary from state to state.

This Limited Warranty is effective June 1, 2011 and replaces all undated warranties and warranties dated before June 1, 2011.

In the U.S.: BERKELEY, 293 Wright St., Delavan, WI 53115

In Canada: 269 Trillium Dr., Kitchener, Ontario N2G 4W5



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.