

4" HIGH CAPACITY PUMPS

FEATURES

- 4 performance ranges: 35, 45, 60, and 90 gpm
- Stainless steel discharge head and motor bracket
- High flow impellers and stages are glass-filled modified PPO for maximum efficiency
- Ceramic shaft sleeve and rubber discharge bearing eliminates sand wear
- Intermediate bearing for increased shaft stability
- Floating eye and hub seals for improved performance and efficiency
- Stainless steel hex pump shaft, shell, and shaft coupling
- High capacity upthrust assembly for protection during start-up and operation (45, 60, and 90 gpm models)
- Powered by Franklin's corrosion-resistant 4" submersible motors
- 2" NPT discharge



UL 778
 CSA 108
 NSF/ANSI 372
 NSF/ANSI 61 (Pump end only)

4" HIGH CAPACITY PUMPS - ORDERING INFORMATION

ORDERING INFORMATION

1 - 10 HP 4" Pump Ends							
GPM	HP	Stages	Model	Order No.		Dimensions (in) Pump End Only	Wt. (lbs)
				With Check Valve	Without Check Valve		
35	1	6	35FA1S4-PE	90653506	93613506	15.00	9
	1.5	8	35FA1S4-PE	90653508	93613508	17.50	10
	2	10	35FA2S4-PE	90653510	93613510	20.00	11
	3	14	35FA3S4-PE	90653514	93613514	25.00	13
	5	22	35FA5S4-PE	90653522	93613522	35.00	17
	7.5	34	35FA7S4-PE	90653534	93613534	52.17	25
45	10	42	35FA10S4-PE	90653542	93613542	62.23	31
	1.5	6	45FA1S4-PE	90654506	93614506	21.00	15
	2	8	45FA2S4-PE	90654508	93614508	25.50	16
	3	11	45FA3S4-PE	90654511	93614511	32.25	19
	5	18	45FA5S4-PE	90654518	93614518	47.75	25
	7.5	26	45FA7S4-PE	90654526	93614526	65.25	33
60	10	31	45FA10S4-PE	90654531	93614531	78.30	38
	2	6	60FA2S4-PE	90656006	93616006	21.00	15
	3	8	60FA3S4-PE	90656008	93616008	25.50	17
	5	13	60FA5S4-PE	90656013	93616013	36.75	21
	7.5	17	60FA7S4-PE	90656017	93616017	45.25	25
	10	24	60FA10S4-PE	90656024	93616024	61.00	31
90	2	5	90FA2S4-PE	90659005	93619005	22.56	15
	3	7	90FA3S4-PE	90659007	93619007	28.56	17
	5	12	90FA5S4-PE	90659012	93619012	43.56	21
	7.5	19	90FA7S4-PE	90659019	93619019	64.50	27
	10	24	90FA10S4-PE	90659020	93619020	79.25	31

NOTES: Discharge is 2" NPT. Maximum diameter across cable guard is 3.90" on all models.

1 - 1.5 HP Single-Phase Units (2-Wire)							
GPM	HP	Stages	Volts	Model	Order No.		Wt. (lbs)
					With Check Valve	Without Check Valve	
35	1	6	230	35FA1S4-2W230	90653606	93613606	33
	1.5	8		35FA1S4-2W230	90653608	93613608	41
45	1.5	6		45FA1S4-2W230	90654606	93614606	46

NOTES: All listed above have 2" NPT discharge. Order check valve separately. Pump and motor will be individually cartoned and require assembly.

1 - 1.5 HP Single-Phase Units (3-Wire)							
GPM	HP	Stages	Volts	Model	Order No.		Wt. (lbs)
					With Check Valve	Without Check Valve	
35	1	6	230	35FA1S4-3W230	90653706	93613706	33
	1.5	8		35FA1S4-3W230	90653608	93613708	39
45	1.5	6		45FA1S4-3W230	90654706	93614706	44

NOTES: All listed above have 2" NPT discharge. Order check valve separately. Pump and motor will be individually cartoned and require assembly.

4" HIGH CAPACITY PUMPS - 35 GPM

PERFORMANCE

The chart displays the performance of 4" high capacity pumps with a maximum flow of 35 GPM. The y-axis represents head in meters and feet, and the x-axis represents flow in GPM and M³/H. Efficiency is shown on the right y-axis. A shaded region indicates the best efficiency range, and a larger region indicates the pump operating range.

Pump Size (hp)	Flow (GPM)	Head (Feet)	Head (Meters)	Efficiency (%)
10 hp	0	1200	350	55
	40	1100	310	50
7.5 hp	0	950	270	45
	40	800	230	40
5 hp	0	650	190	35
	40	500	140	30
3 hp	0	400	110	25
	40	300	85	20
2 hp	0	280	75	18
	40	200	55	15
1.5 hp	0	220	60	14
	40	150	40	12
1 hp	0	150	40	10
	40	100	28	8

Operating Range: 20 GPM to 40 GPM
Best Efficiency Range: 20 GPM to 35 GPM

Inset Chart: A small chart shows a head of 50 feet at a flow of 2.5 GPM.

48

4" HIGH CAPACITY PUMPS - 35 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																			Shut-Off (ft)
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600		
1	0			44	40	34	28	22	13												
	10		43	39	33	27	21	11													
	20	43	38	32	26	20															
	30	37	31	26	19																
	40	30	25	18																	
	50	24	16																		
	60	14																			
	70																				
	80																				
Shut-off PSI		65	57	48	39	31	22	13	5												
1.5	0			45	43	40	36	31	27	23	18										
	10		45	42	39	35	31	27	23	16											
	20	45	42	38	34	30	26	22	15												
	30	41	38	34	30	26	21	14													
	40	37	33	29	25	20	12														
	50	32	29	24	19	10															
	60	28	24	18																	
	70	23	17																		
	80	16																			
Shut-off PSI		89	81	72	63	55	46	37	29	20	11										
2	0			45	43	40	37	34	31	27	24	19									
	10			45	43	40	37	34	31	27	24	11									
	20		45	43	40	37	33	30	27	24	20										
	30	44	42	39	36	33	30	26	23	19	12										
	40	42	39	36	32	29	26	22	18	11											
	50	39	35	32	29	25	22	17	10												
	60	35	31	28	25	21	16														
	70	31	28	24	21	15															
	80	27	24	20	14																
Shut-off PSI		116	107	99	90	81	73	64	55	47	38	16									
3	0					45	44	42	40	38	36	29	23	18							
	10					45	44	42	40	38	36	29	23	12							
	20					45	44	42	40	37	35	32	30	24	13						
	30			45	43	42	40	37	35	32	30	24	13								
	40		44	43	41	39	37	34	32	29	27	20									
	50	44	43	41	39	37	34	32	29	27	24	14									
	60	43	41	39	36	34	31	29	26	24	21										
	70	40	38	36	33	31	28	26	23	20	15										
	80	38	35	33	30	28	25	23	19	15											
Shut-off PSI		163	154	145	137	128	120	111	102	94	85	63	42	20							
5	0									45	44	42	39	35	32	28	24	18			
	10									45	44	42	39	35	32	28	24	18			
	20									45	44	43	40	37	34	30	26	21			
	30							45	45	44	43	42	39	35	32	28	24	18			
	40					45	44	44	43	42	41	37	34	30	27	22	14				
	50				45	44	44	43	42	40	39	36	32	29	25	19					
	60			45	44	43	42	41	40	39	38	34	31	27	22	15					
	70		45	44	43	42	41	40	39	37	36	32	29	25	19						
	80	45	44	43	42	41	40	38	37	36	34	31	27	23	15						
Shut-off PSI		268	259	250	242	233	224	216	207	198	190	168	146	125	103	81	60	38			

HP	PSI	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
7.5	0								44	42	40	38	36	34	32	30	27	24	19	13
	10								45	43	41	39	38	36	33	31	29	26	22	17
	20								44	42	40	39	37	35	32	30	27	24	20	14
	30							45	43	41	40	38	36	34	31	29	26	22	17	11
	40							44	42	41	39	37	35	33	30	27	24	20	14	
	50						45	43	42	40	38	36	34	32	29	25	22	18	11	
	60				45	44	43	41	39	37	35	33	30	28	24	20	15			
	70		45	45	44	43	42	40	38	36	34	32	29	26	23	18	12			
	80	45	45	44	43	43	41	39	37	35	33	31	28	25	21	15				
Shut-off PSI		373	364	355	347	338	316	295	274	251	230	208	186	165	143	121	100	78	56	35

HP	PSI	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
10	0					45	44	43	41	40	38	36	35	33	31	30	28	25	22	17	11
	10					45	43	42	41	39	37	36	34	32	31	29	26	24	20	15	
	20				45	44	43	41	40	38	37	35	33	32	30	28	25	22	18	12	
	30				45	43	42	41	39	38	36	34	32	31	29	27	24	20	15		
	40			45	44	43	41	40	38	37	35	33	32	30	28	25	22	18	12		
	50			45	44	42	41	39	38	36	34	33	31	29	27	24	20	16			
	60		45	44	43	42	40	39	37	35	34	32	30	28	26	23	18	13			
	70		45	44	42	41	39	38	36	34	33	31	29	27	24	21	16				
	80	45	44	43	42	40	38	37	35	34	32	30	28	26	23	19	13				
Shut-off PSI		439	418	396	374	353	331	309	288	266	245	223	201	180	158	136	115	93	71	50	28

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performance shown is based on a pump without check valve.

4" HIGH CAPACITY PUMPS - 45 GPM

PERFORMANCE

The graph plots head (Meters/Feet) against flow (GPM/M³/H) for pumps of 1.5 HP, 2 HP, 3 HP, 5 HP, 7.5 HP, and 10 HP. A shaded region indicates the 'BEST EFFICIENCY RANGE' between approximately 30 and 50 GPM. A 'PUMP OPERATING RANGE' is indicated from 15 to 60 GPM. A callout box shows a 50 FT vertical lift at 2.5 GPM.

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																		Shut-Off (ft)		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600		650	
1.5	0				52	46	38	30	21													190
	10		55	51	45	37	26	20														
	20	54	50	43	35	27	18															
	30	49	42	34	26	16																
	40	41	33	24	15																	
	50	32	23																			
	60	22																				
Shut-off PSI		74	65	56	48	39	30	22	13													
2	0				55	51	46	41	36	30	23											250
	10			55	50	45	40	35	29	22												
	20		54	49	44	39	34	28	21													
	30	53	49	44	38	33	27	19														
	40	48	43	38	32	26	18															
	50	42	37	31	24	17																
	60	36	30	23	16																	
Shut-off PSI		99	91	82	74	65	56	48	39	30	22											

50

4" HIGH CAPACITY PUMPS - 45 GPM

PERFORMANCE

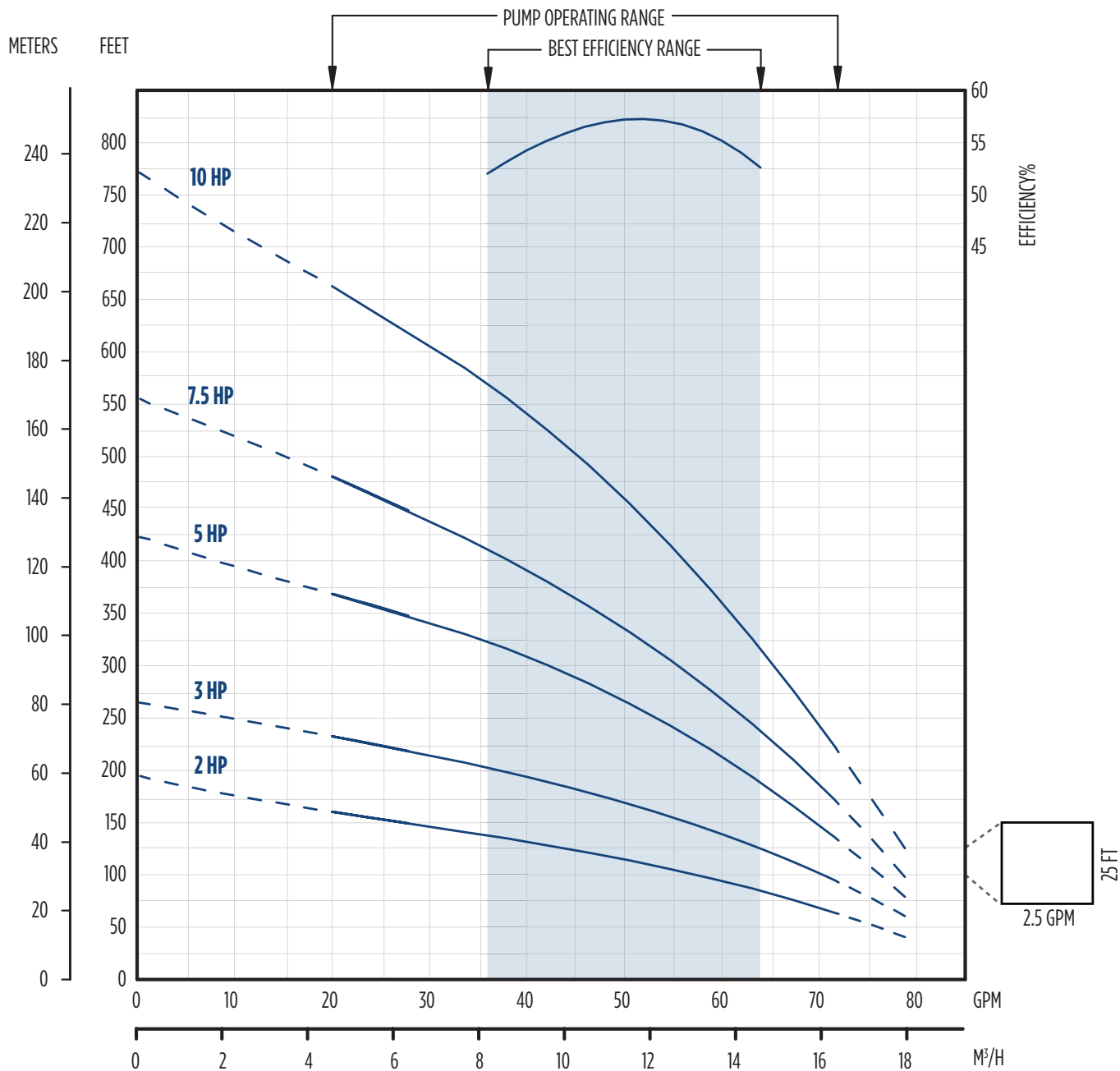
HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																			Shut-Off (ft)
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	
3	0						53	49	46	42	38	27									
	10				55	52	49	45	41	37	33	21									
	20			55	52	48	45	41	37	32	26										
	30		54	51	47	44	40	35	31	26	21	15									
	40	54	51	47	44	40	35	31	26	21	15										
	50	50	47	43	39	35	30	25	20												
	60	46	42	38	34	30	25	19													
	70	42	38	33	29	24	18														
	80	37	33	28	23	17															
	90	32	27	22	16																
	100	27	21	16																	
Shut-off PSI		137	129	120	111	103	94	85	77	68	60	38									
5	0									54	52	48	43	38	32	26	17				
	10							55	54	52	50	46	41	36	30	22					
	20						55	53	52	50	48	43	38	33	26	18					
	30					55	53	51	50	48	46	41	36	30	23						
	40				55	53	51	49	47	46	44	39	33	27	19						
	50			54	53	51	49	47	45	43	42	36	31	23							
	60		54	52	51	49	47	45	43	41	39	34	27	19							
	70	54	52	50	48	47	45	43	41	39	37	31	24	15							
	80	52	50	48	46	44	43	41	39	36	34	28	20								
	90	50	48	46	44	42	40	38	36	34	31	25	16								
	100	48	46	44	42	40	38	36	34	31	28	21									
	110	45	44	42	40	38	35	33	31	28	25	17									
	120	43	41	39	37	35	33	30	28	25	21										
	130	41	39	37	35	32	30	27	24	21	17										
	140	39	37	34	32	29	27	24	20	17											
	150	36	34	32	29	26	23	20	16												
	160	28	25	22	18																
Shut-off PSI		240	232	223	214	206	197	188	180	171	162	141	119	97	76	54	32				
7.5	0										55	52	49	45	41	37	33	28	23	17	
	10										55	54	51	47	44	39	35	30	26	20	
	20									55	54	53	49	46	42	37	33	28	23	17	
	30								55	54	52	51	48	44	40	35	31	26	21	15	
	40							55	54	52	51	49	46	42	38	33	29	24	18		
	50					54	53	52	51	49	48	44	40	36	31	26	21	15			
	60				55	54	53	52	50	49	48	44	40	36	31	26	21	15			
	70			55	54	53	52	50	49	48	46	42	38	34	29	24	18				
	80		55	54	53	52	50	49	47	46	44	40	36	32	27	21	16				
	90	55	54	53	51	50	49	47	46	44	43	38	34	29	24	19					
	100	54	52	51	50	48	47	45	44	42	41	36	32	27	22	16					
	110	52	51	50	48	47	45	44	42	40	39	34	30	25	19						
	120	51	49	48	47	45	43	42	40	39	37	32	27	22	17						
	130	49	48	46	45	43	42	40	38	37	35	30	25	20							
	140	48	46	45	43	41	40	38	36	34	33	28	23	17							
	150	46	44	43	41	39	38	38	34	32	30	26	20								
	160	40	39	37	35	33	31	30	28	26	24	18									
Shut-off PSI		331	323	314	305	297	288	279	271	262	254	232	210	189	167	145	124	102	80	59	

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650		700	750	800
10	0										55	53	50	48	45	42	39	35	31	27	22	16		
	10										54	52	49	47	44	41	37	33	29	24	19			
	20										53	51	48	45	42	39	36	32	27	22	16			
	30										54	52	49	47	44	41	37	34	30	25	19			
	40										53	51	48	45	43	39	36	32	27	22	17			
	50									55	52	50	47	44	41	38	34	30	25	20				
	60							55	55	54	51	48	46	43	40	36	32	28	23	17				
	70					55	54	53	52	50	47	44	41	38	34	30	26	20	14					
	80					55	54	53	52	51	49	46	43	40	36	32	28	23	18					
	90					55	54	53	52	51	50	47	45	42	38	35	31	26	21	15				
	100				55	54	53	52	51	50	49	46	43	40	37	33	28	24	18					
	110			55	54	53	52	51	50	49	48	45	42	39	35	31	26	21	15					
	120		55	54	53	52	51	50	49	47	46	43	40	37	33	29	24	19						
	130	54	53	52	51	50	49	48	47	46	45	42	39	35	31	27	22	16						
	140	53	52	51	50	49	48	47	46	45	44	41	37	33	29	24	19							
	150	52	51	50	49	48	47	46	45	44	42	39	36	32	27	22	16							
	160	49	48	46	45	44	43	42	40	39	38	34	30	25	20									
Shut-off PSI		410	402	393	385	376	367	359	350	341	333	311	289	268	246	224	201	179	158	136	115	93	71	50

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performances for former XP models are the same as 45 gpm models. Performance shown is based on a pump without check valve.

4" HIGH CAPACITY PUMPS - 60 GPM

PERFORMANCE



4" HIGH CAPACITY PUMPS - 60 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																	Shut-Off (ft)		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550			
2	0				66	57	47	35	21											195	
	10			65	56	45	33	18													
	20	71	63	54	43	30															
	30	62	52	41	28																
	40	51	40	26																	
	50	38	24																		
	60	22																			
Shut-off PSI		76	67	58	50	41	32	24	15												
3	0				69	65	59	62	44	35	25									265	
	10				64	56	51	43	34	24											
	20		73	69	64	56	51	43	34	24											
	30	72	68	63	57	50	42	32	22												
	40	67	62	56	49	40	31	20													
	50	61	55	48	39	29															
	60	54	46	37	28																
Shut-off PSI		106	97	89	80	71	63	54	45	37	28										
5	0						70	68	65	62	54	42	27						425		
	10						70	68	65	62	59	49	36								
	20					70	67	64	61	58	54	43	28								
	30			72	69	67	64	61	57	54	50	37	20								
	40		72	69	68	63	60	57	53	49	44	29									
	50	71	69	66	63	60	56	53	48	43	38	21									
	60	68	65	62	59	56	52	48	43	37	31										
	70	65	62	59	55	51	47	42	36	30	23										
	80	61	58	55	51	46	41	35	28	21											
	90	58	54	50	45	40	34	27	20												
	100	54	49	45	39	33	26														
Shut-off PSI		175	167	158	149	141	132	123	115	106	97	76	54	32							

HP	PSI	20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	Shut-Off (ft)
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	
7.5	0									71	68	63	56	48	38	27					555
	10							72	70	68	66	59	52	43	33	22					
	20						72	70	68	65	63	56	48	39	28						
	30					72	70	67	65	63	60	53	44	34	23						
	40				71	69	67	65	62	60	57	49	40	29							
	50			71	69	67	64	62	59	56	53	45	35	24							
	60		71	69	66	64	61	59	56	53	49	40	30								
	70	70	68	66	64	61	58	55	52	48	45	36	25								
	80	68	66	63	61	58	55	52	48	45	41	31									
	90	65	63	60	57	54	51	48	44	41	37	26									
	100	62	60	57	54	51	47	44	40	36	32	20									
	110	59	57	53	50	47	43	39	35	31	26										
	120	56	53	50	46	43	39	35	30	26	21										
	130	52	49	46	42	38	34	30	25	20											
	140	49	45	41	37	33	29	24	19												
	150	45	41	37	33	28	24														
	160	31	26	21																	
Shut-off PSI		232	223	214	206	197	188	180	171	162	154	132	110	89	67	45					
10	0										71	69	65	61	57	51	45	39	31	22	772
	10								72	71	69	66	63	59	54	49	42	35	27		
	20								72	71	69	68	64	59	55	49	43	36	28		
	30							72	71	69	68	64	59	55	49	43	36	28			
	40						72	70	69	67	66	62	57	52	46	40	32	24			
	50					72	70	69	67	66	64	60	55	50	43	36	28				
	60				72	70	68	67	65	64	62	58	53	47	40	33	24				
	70			71	70	68	67	65	64	62	60	55	50	44	37	29	20				
	80		71	70	68	66	65	63	62	60	58	53	47	41	33	25					
	90	71	69	68	66	65	63	61	60	58	56	51	44	37	29	21					
	100	69	68	66	64	63	61	59	57	56	53	48	41	34	26						
	110	67	66	64	62	61	59	57	55	53	51	45	38	30	22						
	120	65	64	62	61	59	57	55	53	51	48	42	34	26							
	130	64	62	60	58	57	55	52	51	48	45	39	31	22							
	140	62	60	58	56	54	52	50	48	45	42	35	27								
	150	60	58	56	54	52	50	47	45	42	39	31	23								
	160	53	51	48	46	43	41	38	35	31	28										
Shut-off PSI		326	317	308	300	291	282	274	265	256	248	226	204	183	161	139	118	96	74	53	

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performances for former XP models are the same as 45 gpm models. Performance shown is based on a pump without check valve.

4" HIGH CAPACITY PUMPS - 90 GPM

PERFORMANCE

The chart displays the performance characteristics of five different pump models. The left y-axis shows head in meters (0-180) and feet (0-600). The right y-axis shows efficiency in percent (45-60). The bottom x-axis shows flow rate in GPM (0-140) and M³/H (0-32). The top x-axis is unlabeled but corresponds to the GPM scale. A shaded region indicates the 'BEST EFFICIENCY RANGE' from approximately 55 to 110 GPM. A larger shaded region indicates the 'PUMP OPERATING RANGE' from approximately 55 to 125 GPM. A callout box shows a 25 FT head at 5 GPM flow rate.

Flow Rate (GPM)	2 HP Head (ft)	3 HP Head (ft)	5 HP Head (ft)	7.5 HP Head (ft)	10 HP Head (ft)
0	120	150	280	420	560
10	120	150	280	420	560
20	115	145	275	410	550
30	110	140	270	400	540
40	105	135	265	390	530
50	100	130	260	380	520
60	95	125	255	370	510
70	90	120	250	360	500
80	85	115	245	350	490
90	80	110	240	340	480
100	75	105	235	330	470
110	70	100	230	320	460
120	65	95	225	310	450
130	60	90	220	300	440

54

4" HIGH CAPACITY PUMPS - 90 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	Shut-Off (ft)	
2	0		113	92	67	48														120
	10	110	88	64	45															
	20	84	61	40																
	30	58	35																	
	40																			
	50																			
60																				
Shut-off PSI		43	35	26	17	9														
3	0			110	96	79	64	49												167
	10		108	93	76	61	46													
	20	106	90	74	59	43														
	30	88	71	57	39															
	40	69	55	35																
	50	53	30																	
60																				
Shut-off PSI		64	55	46	38	29	20	12												
5	0				113	106	96	85	74	64	41									285
	10				112	104	94	83	72	63	55									
	20				111	103	92	81	71	62	53	44								
	30		110	101	91	80	69	60	52	42										
	40	100	100	89	78	68	59	51	40											
	50	98	87	76	66	58	49	38												
	60	85	75	65	56	48	35													
	70	73	63	55	46	33														
	80	62	54	45	30															
	90	53	43																	
100	41																			
Shut-off PSI		115	106	97	89	80	71	63	54	45	37	15								
7.5	0						116	112	107	101	94	76	60	46						425
	10					115	111	108	100	93	86	68	54	38						
	20				115	110	105	99	92	85	77	61	47							
	30			114	109	104	98	91	83	76	70	55	40							
	40		113	109	103	96	90	82	75	69	62	49								
	50	113	108	102	95	88	81	74	68	61	56	41								
	60	107	101	94	87	80	73	67	61	55	50	31								
	70	100	93	86	79	72	66	60	54	49	42									
	80	92	85	78	71	65	59	53	48	41	33									
	90	84	77	70	64	58	53	47	40	31										
	100	76	69	63	57	52	46	39												
	110	68	62	56	51	45	38													
	120	61	55	50	44	36														
	130	55	49	43	35															
	140	48	42	33																
	150	41	32																	
160																				
Shut-off PSI		175	167	158	149	141	132	123	115	106	97	76	54	32						

HP	PSI	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	Shut-Off (ft)
10	0					122	119	116	113	109	106	99	91	83	75	65	54	42	35	11		565
	10				122	119	116	112	109	106	102	95	87	78	69	59	48	34	25			
	20			121	118	115	111	108	105	101	98	90	82	73	64	53	40	24	13			
	30		121	118	115	111	108	104	101	97	94	86	77	68	57	46	31	11				
	40	120	117	114	111	107	104	100	97	93	89	81	72	62	51	38	21					
	50	117	114	110	107	103	100	96	92	88	84	76	66	56	44	29	7					
	60	113	110	106	103	99	96	92	88	84	79	70	60	49	35	18						
	70	109	106	102	99	95	91	87	83	79	74	65	54	41	26	2						
	80	105	102	98	94	91	87	82	78	74	69	59	47	33	14							
Shut-off PSI		236	227	219	210	201	193	184	175	167	158	141	123	106	89	71	54	37	28	6		

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performance shown is based on a pump without check valve.