



*The heart of
your water system*

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4" Submersible pump (35-50-80 GPM)

INCLUDED: PUMP - MOTOR - LEAD - (CONTROL BOX with a 230 Volts MOTOR)

H.P.	G.P.M.	Stages	230 Volts - 1 phase			575 Volts - 3 phases		
			Part number	Model	Sugg. list price	Part number	Model	Sugg. list price
1	35	4	544-0010	4 FP-35-10-233	1 464.00			
1½	35	6	544-0050	4 FP-35-15-233	1 744.00	544-0070	4 FP-35-15-575	1 512.00
	50	4	544-0090	4 FP-50-15-233	1 698.00	544-0110	4 FP-50-15-575	1 461.00
2	35	7	544-0130	4 FP-35-20-233	1 982.00	544-0150	4 FP-35-20-575	1 576.00
	50	5	544-0170	4 FP-50-20-233	1 923.00	544-0190	4 FP-50-20-575	1 521.00
3	35	10	544-0210	4 FP-35-30-233	2 711.00	544-0230	4 FP-35-30-575	2 073.00
	50	7	544-0250	4 FP-50-30-233	2 569.00	544-0270	4 FP-50-30-575	1 907.00
	80	5	544-0290	4 FP-80-30-233	2 561.00	544-0310	4 FP-80-30-575	1 877.00
5	35	16	544-0330	4 FP-35-50-233	3 737.00	544-0350	4 FP-35-50-575	3 086.00
	50	10	544-0370	4 FP-50-50-233	3 504.00	544-0390	4 FP-50-50-575	2 847.00
	80	7	544-0410	4 FP-80-50-233	3 408.00	544-0430	4 FP-80-50-575	2 755.00
7½	35	27				544-0470	4 FP-35-75-575	3 821.00
	50	17				544-0510	4 FP-50-75-575	3 439.00
	80	14				544-0550	4 FP-80-75-575	3 428.00
10	35	36				544-0590	4 FP-35-100-575	5 228.00
	50	22				544-0630	4 FP-50-100-575	4 660.00
	80	19				544-0670	4 FP-80-100-575	4 712.00



PUMP END

ROTATING KIT

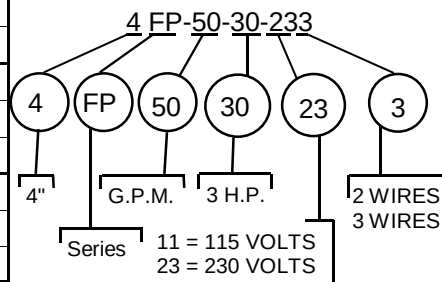
CHARACTERISTICS

H.P.	Part number	Model	Sugg. list price	Part number "4 FP"	Part number "4 FPP"	Sugg. list price
1	545-0010	4 FP-35-10	763.00	542-2012	542-2512	198.00
1½	545-0050	4 FP-35-15	835.00	542-2022	542-2522	269.00
	545-0090	4 FP-50-15	786.00	542-2102	542-2602	198.00
2	545-0130	4 FP-35-20	888.00	542-2032	542-2532	308.00
	545-0170	4 FP-50-20	819.00	542-2112	542-2612	231.00
3	545-0210	4 FP-35-30	1 036.00	542-2042	542-2542	431.00
	545-0250	4 FP-50-30	891.00	542-2122	542-2622	319.00
	545-0290	4 FP-80-30	859.00	542-2202	542-2702	258.00
5	545-0330	4 FP-35-50	1 499.00	542-2052	542-2552	673.00
	545-0370	4 FP-50-50	1 230.00	542-2132	542-2632	444.00
	545-0410	4 FP-80-50	1 170.00	542-2212	542-2712	338.00
7½	545-0450	4 FP-35-75	1 863.00	542-2062	542-2562	1 123.00
	545-0490	4 FP-50-75	1 486.00	542-2142	542-2642	728.00
	545-0530	4 FP-80-75	1 372.00	542-2222	542-2722	649.00
10	545-0570	4 FP-35-100	2 291.00	542-2072	542-2572	1 489.00
	545-0610	4 FP-50-100	1 721.00	542-2152	542-2652	928.00
	545-0650	4 FP-80-100	1 682.00	542-2232	542-2732	871.00

- ? Impellers and diffusers made of polycarbonate
- ? Pump shaft and shell made of 304 stainless steel
- ? Internal check valve included
- ? Discharge = 2"
- ? Maximum starts for in hour = 15

? Available (200 - 230 - 380 - 460 - 3 phases) on request

EXAMPLE OF MODEL NUMBER CODE



WARNING: These pumps may develop very high pressure. A pressure valve must be installed on the tank to avoid possible danger of the tank bursting that can cause property damage and/or personal injury or death.



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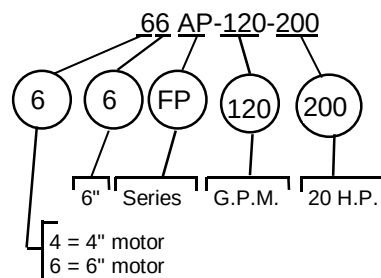
6" SUBMERSIBLE PUMPS (50 - 75 - 120 - 170 - 230 GPM)

			PUMP + 575 Volts - 3 phases MOTOR			PUMP END		
H.P.	G.P.M.	Stages	Part number	Model	Sugg. list price	Part number	Model	Sugg. list price
5	50	6	546-0900	46 AP-50-50-575	4 183.00	547-0900	46 AP-50-50	1 787.00
			546-0910	66 AP-50-50-575	4 183.00	547-0910	66 AP-50-50	1 787.00
	75	4	546-0920	46 AP-75-50-575	4 017.00	547-0920	46 AP-75-50	1 576.00
			546-0930	66 AP-75-50-575	4 017.00	547-0930	66 AP-75-50	1 576.00
7½	50	10	546-0940	46 AP-50-75-575	4 980.00	547-0940	46 AP-50-75	2 199.00
			546-0950	66 AP-50-75-575	4 980.00	547-0950	66 AP-50-75	2 199.00
	75	6	546-0960	46 AP-75-75-575	4 692.00	547-0960	46 AP-75-75	1 813.00
			546-0970	66 AP-75-75-575	4 692.00	547-0970	66 AP-75-75	1 813.00
	120	3	546-1010	46 AP-120-75-575	4 488.00	547-1010	46 AP-120-75	1 587.00
			546-1050	66 AP-120-75-575	4 488.00	547-1050	66 AP-120-75	1 587.00
	170	2	546-1090	46 AP-170-75-575	3 800.00	547-1090	46 AP-170-75	1 451.00
			546-1130	66 AP-170-75-575	4 451.00	547-1130	66 AP-170-75	1 451.00
10	50	12	546-1140	66 AP-50-100-575	5 665.00	547-1140	66 AP-50-100	2 480.00
	75	8	546-1150	66 AP-75-100-575	5 302.00	547-1150	66 AP-75-100	2 052.00
	120	5	546-1170	66 AP-120-100-575	4 989.00	547-1170	66 AP-120-100	1 817.00
	170	3	546-1210	66 AP-170-100-575	4 796.00	547-1210	66 AP-170-100	1 610.00
	230	3	546-1250	66 AP-230-100-575	4 690.00	547-1250	66 AP-230-100	1 602.00
15	50	17	546-1260	66 AP-50-150-575	6 578.00	547-1260	66 AP-50-150	3 058.00
	75	12	546-1270	66 AP-75-150-575	6 203.00	547-1270	66 AP-75-150	2 526.00
	120	7	546-1290	66 AP-120-150-575	5 788.00	547-1290	66 AP-120-150	2 148.00
	230	4	546-1370	66 AP-230-150-575	5 427.00	547-1370	66 AP-230-150	1 773.00
20	75	16	546-1390	66 AP-75-200-575	7 414.00	547-1390	66 AP-75-200	3 020.00
	120	10	546-1410	66 AP-120-200-575	7 130.00	547-1410	66 AP-120-200	2 616.00
	170	6	546-1450	66 AP-170-200-575	6 643.00	547-1450	66 AP-170-200	2 276.00
	230	6	546-1490	66 AP-230-200-575	6 643.00	547-1490	66 AP-230-200	2 278.00
25	75	20	546-1510	66 AP-75-250-575	8 451.00	547-1510	66 AP-75-250	3 636.00
	120	12	546-1530	66 AP-120-250-575	7 847.00	547-1530	66 AP-120-250	2 886.00
	170	8	546-1570	66 AP-170-250-575	7 381.00	547-1570	66 AP-170-250	2 505.00
	230	7	546-1610	66 AP-230-250-575	7 188.00	547-1610	66 AP-230-250	2 283.00
30	120	15	546-1650	66 AP-120-300-575	9 321.00	547-1650	66 AP-120-300	3 399.00
	170	9	546-1690	66 AP-170-300-575	8 721.00	547-1690	66 AP-170-300	2 799.00
	230	9	546-1730	66 AP-230-300-575	8 721.00	547-1730	66 AP-230-300	2 795.00
40	230	12	546-1840	66 AP-230-400-575	10 350.00	547-1840	66 AP-230-400	3 235.00

CHARACTERISTICS

- ? Impellers and diffusers made of Noryl
- ? Pump shaft and shell made of 304 stainless steel
- ? Internal check valve included
- ? Discharge = 3"
- ? Maximum starts for in hour = 15
- ? Available (200 - 230 - 380 - 460 - 3 phase) on request

EXAMPLE OF MODEL NUMBER CODE



WARNING: These pumps may develop very high pressure. A pressure valve must be installed on the tank to avoid possible danger of the tank bursting that can cause property damage and/or personal injury or death.



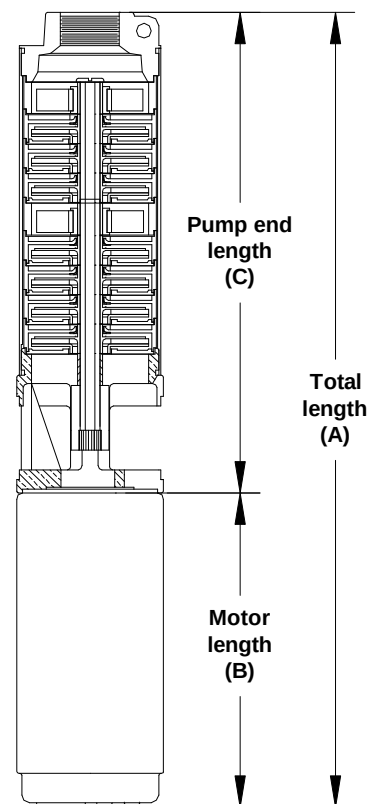
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4" (35-50-80 GPM) / 6" (50-75-120-170-230) SUBMERSIBLE PUMPS

DIMENSIONS

								Shipping weight lbs (kg)	
Model	St.	Ph.	Pump dia. PO	Motor dia. PO	Total length (A) PO	Motor length (B) PO	Pump end length (C) PO	Pump + motor	Pump only
4 FP-35-10	4	1	3.85	3.75	23.7	11.8	11.9	31 (14)	5.7 (2.6)
4 FP-35-15	6	1	3.85	3.75	28.7	13.6	14.9	36 (16)	7.1 (3.2)
4 FP-35-15	6	3	3.85	3.75	26.7	11.8	14.9	32 (14)	
4 FP-35-20	7	1	3.85	3.75	31.6	15.1	16.5	40 (18)	8.0 (3.6)
4 FP-35-20	7	3	3.85	3.75	40.1	13.6	16.5	37 (17)	
4 FP-35-30	10	1	3.85	3.75	44.6	23.6	21.0	65 (29)	10.0 (4.5)
4 FP-35-30	10	3	3.85	3.75	41.6	20.6	21.0	54 (24)	
4 FP-35-50	16	1	3.85	3.75	58.6	29.6	29.0	87 (39)	16.6 (7.5)
4 FP-35-50	16	3	3.85	3.75	52.6	23.6	29.0	72 (33)	
4 FP-35-75	27	3	3.85	3.75	75.0	28.2	46.8	92 (42)	22 (10)
4 FP-35-100	36	3	3.85	3.75	90.8	30.4	60.4	104 (47)	29 (13)
4 FP-50-15	4	1	3.85	3.75	25.5	13.6	11.9	35 (16)	5.7 (2.6)
4 FP-50-15	4	3	3.85	3.75	23.7	11.8	11.9	31 (14)	
4 FP-50-20	5	1	3.85	3.75	28.5	15.1	13.4	38 (17)	6.4 (2.9)
4 FP-50-20	5	3	3.85	3.75	27.0	13.6	13.4	35 (16)	
4 FP-50-30	7	1	3.85	3.75	40.1	23.6	16.5	63 (28)	7.7 (3.5)
4 FP-50-30	7	3	3.85	3.75	37.1	20.6	16.5	52 (23)	
4 FP-50-50	10	1	3.85	3.75	49.2	29.6	19.6	82 (37)	12.1 (5.5)
4 FP-50-50	10	3	3.85	3.75	43.2	23.6	19.6	67 (30)	
4 FP-50-75	17	3	3.85	3.75	59.8	28.2	31.6	85 (38)	15 (7)
4 FP-50-100	22	3	3.85	3.75	69.6	30.4	39.2	94 (42)	19 (8)
4 FP-80-30	5	1	3.85	3.75	37.9	23.6	14.3	62 (28)	6.6 (3.0)
4 FP-80-30	5	3	3.85	3.75	34.9	20.6	14.3	51 (23)	
4 FP-80-50	7	1	3.85	3.75	46.2	29.6	16.6	81 (36)	10.6 (4.8)
4 FP-80-50	7	3	3.85	3.75	40.2	23.6	16.6	66 (30)	
4 FP-80-75	14	3	3.85	3.75	57.7	28.2	29.5	84 (38)	14 (6)
4 FP-80-100	19	3	3.85	3.75	68.3	30.4	37.9	93 (42)	18 (8)
46 AP-50-50	6	3	5.31	5.44	42.3	22.2	20.1	75 (34)	20 (9)
66 AP-50-50	6	3	5.31	5.44	43.0	22.9	20.1	121 (55)	
46 AP-50-75	10	3	5.31	5.44	54.3	28.2	26.1	96 (44)	26 (12)
66 AP-50-75	10	3	5.31	5.44	50.3	24.2	26.1	134 (61)	
66 AP-50-100	12	3	5.31	5.44	54.5	25.4	29.1	145 (66)	29 (13)
66 AP-50-150	17	3	5.31	5.44	64.5	28.0	36.5	166 (76)	37 (17)
46 AP-75-50	4	3	5.31	5.44	39.3	22.2	17.1	73 (33)	17 (8)
66 AP-75-50	4	3	5.31	5.44	40.0	22.9	17.1	118 (54)	
46 AP-75-75	6	3	5.31	5.44	48.3	28.2	20.1	90 (41)	20 (9)
66 AP-75-75	6	3	5.31	5.44	44.3	24.2	20.1	128 (58)	
66 AP-75-100	8	3	5.31	5.44	48.5	25.4	23.1	138 (63)	22 (10)
66 AP-75-150	12	3	5.31	5.44	57.1	28.0	29.1	158 (72)	29 (13)
66 AP-75-200	16	3	5.31	5.44	65.6	30.6	35.0	180 (82)	32 (16)
66 AP-75-250	20	3	5.31	5.44	74.1	33.1	41.0	197 (90)	41 (19)
46 AP-120-75	3	3	5.31	5.44	46.1	28.2	17.9	89 (40)	19 (8)
66 AP-120-75	3	3	5.31	5.44	42.1	24.2	17.9	127 (57)	
66 AP-120-100	5	3	5.31	5.44	47.8	25.4	22.4	137 (62)	21 (10)
66 AP-120-150	7	3	5.31	5.44	54.9	28.0	26.9	154 (70)	25 (12)
66 AP-120-200	10	3	5.31	5.44	64.1	30.6	33.5	177 (80)	32 (15)
66 AP-120-250	12	3	5.31	5.44	71.1	33.1	38.0	192 (87)	36 (16)
66 AP-120-300	15	3	5.31	5.44	80.5	35.7	44.8	215 (97)	41 (19)
46 AP-170-75	2	3	5.31	5.44	44.1	28.2	15.9	85 (38)	15 (7)
66 AP-170-75	2	3	5.31	5.44	40.1	24.2	15.9	123 (56)	
66 AP-170-100	3	3	5.31	5.44	43.6	25.4	18.2	133 (60)	17 (8)
66 AP-170-200	6	3	5.31	5.44	55.9	30.6	25.3	168 (76)	23 (10)
66 AP-170-250	8	3	5.31	5.44	63.1	33.1	30.0	183 (83)	27 (12)
66 AP-170-300	9	3	5.31	5.44	68.1	35.7	32.4	203 (92)	29 (13)
66 AP-230-100	3	3	5.31	5.44	43.6	25.4	18.2	133 (60)	17 (8)
66 AP-230-150	4	3	5.31	5.44	48.6	28.0	20.6	148 (67)	19 (8)
66 AP-230-200	6	3	5.31	5.44	55.9	30.6	25.3	168 (76)	23 (10)
66 AP-230-250	7	3	5.31	5.44	60.7	33.1	27.6	181 (82)	25 (11)
66 AP-230-300	9	3	5.31	5.44	68.1	35.7	32.4	203 (92)	29 (13)
66 AP-230-400	12	3	5.31	5.44	80.2	40.8	39.4	238 (108)	36 (16)

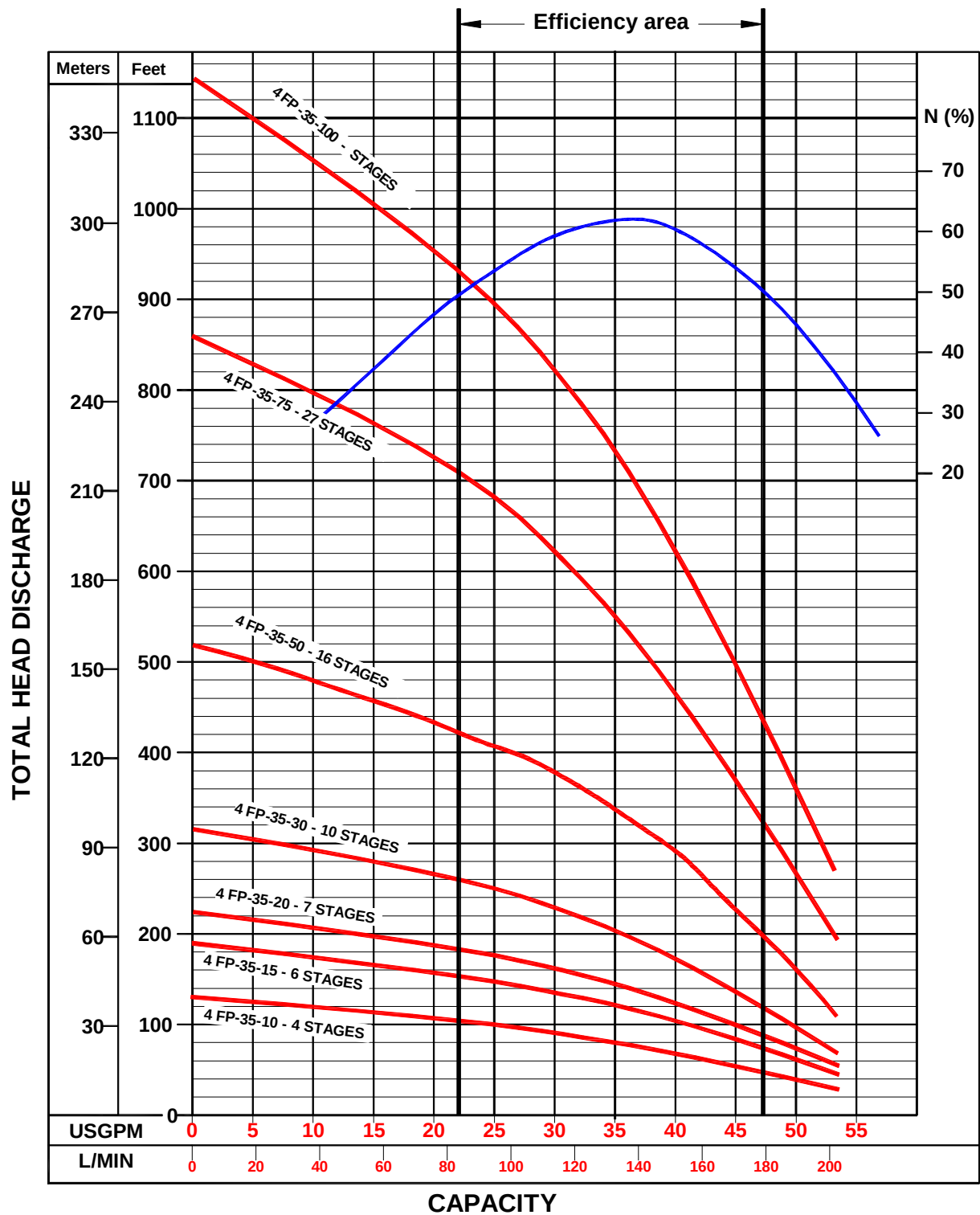




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4" PUMPING CURVES 35 G.P.M.





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PERFORMANCE CHART 35 G.P.M.

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM									Shut off	
		P.S.I.	20	40	60	80	100	120	140	160	FEET	P.S.I.
4 FP-35-10 4 Stages	1	20	42	36	21						127	55
		30	36	19								
4 FP-35-15 6 Stages	1½	20	47	45	39	36	27	18			190	82
		30	45	38	35	26	15					
		40	38	33	26	13						
4 FP-35-20 7 Stages	2	20	49	47	43	40	33	28	22	8	223	97
		30	47	42	37	33	23	21	12			
		40	42	37	35	26	21	8				
		50	37	32	25	17	7					
		60	32	25	16							

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM										Shut off	
		P.S.I.	50	75	100	125	150	175	200	225	250	FEET	P.S.I.
4 FP-35-30 10 Stages	3	20	50	47	44	40	37	32	27	20	10	318	138
		30	47	45	40	37	33	27	20	12			
		40	45	41	38	33	28	21	13				
		50	41	38	34	28	22	16					
		60	38	33	28	22	15						
		70	33	27	21	17							

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM														Shut off	
		P.S.I.	100	150	200	250	300	350	400	450	500	400	450	500	550	FEET	P.S.I.
4 FP-35-50 16 Stages	5	30		46	42	37	31	23	13							520	225
		40	48	44	40	35	28	19	8								
		50	46	42	37	32	24	14									
		60	44	40	35	29	19	8									
		70	43	38	33	25	15										
4 FP-35-75 27 Stages	7½	30			50	47	45	43	40	38	34	32	26	21	15	859	359
		40			47	46	45	42	39	36	33	30	24	19	10		
		50		50	46	45	43	40	38	34	32	26	21	15			
		60		48	46	45	42	39	36	33	29	25	20	13			
		70	50	46	45	43	41	38	35	32	26	21	15				

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM										Shut off	
		P.S.I.	200	300	400	500	600	700	800	900	1000	FEET	P.S.I.
4 FP-35-100 Stages	10	20		50	45	43	39	34	28	20	10	1144	496
		30	52	48	45	42	36	33	26	19			
		40	51	48	45	41	36	32	25	18			
		50	50	47	44	40	36	30	23	15			
		60	50	46	43	39	34	28	20				

Numbers in ***italic-bold*** indicate the maximum efficiency zone

To convert **feet** to **meters** multiply by 0.3048

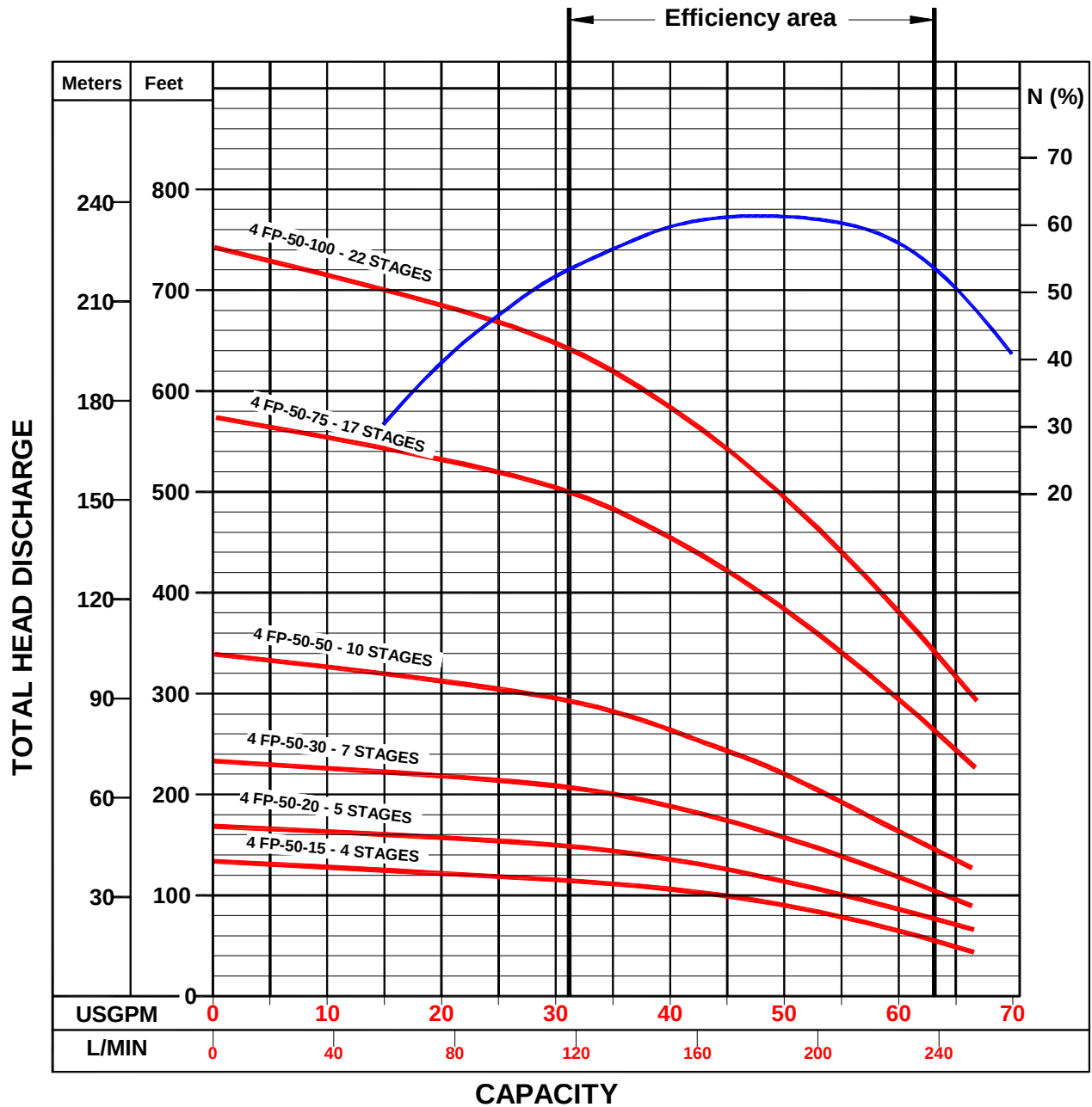
To convert **U.S. gallon** to **liters** multiply by 3.785



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4" PUMPING CURVES 50 G.P.M.





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PERFORMANCE CHART 50 G.P.M.

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM									Shut off	
		P.S.I.	20	40	60	80	100	120	140	160	FEET	P.S.I.
4 FP-50-15 4 Stages	1½	20	60	54	42	24					135	58
		30	53	39	19							
4 FP-50-20 5 Stages	2	30	66	60	52	49	35	18			167	72
		40	63	51	46	32	15					
		50	52	44	30							
		60	40	30								
4 FP-50-30 7 Stages	3	30	68	63	60	55	49	43	33	17	236	102
		40	61	59	54	47	42	30				
		50	56	52	46	40	29					
		60	53	45	37	25						

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM														Shut off	
		P.S.I.	50	100	150	200	250	300	350	400	450	500	550	600	FEET	P.S.I.	
4 FP-50-50 10 Stages	5	30	71	58	50	38	23								340	148	
		40	64	56	46	36											
		50	59	51	39	21											
		60	56	46	36												
		70	52	41	21												
																574	248
4 FP-50-75 17 Stages	7½	30			67	62	58	54	47	40	28						
		40		69	65	60	56	51	45	35	18						
		50	71	67	62	58	54	48	40	28							
		60	70	65	61	56	51	45	36	19							
		70	69	64	59	54	49	41	30								
																741	321
4 FP-50-100 22 Stages	10	30				68	65	61	57	54	50	44	38	27			
		40			69	66	63	60	56	51	47	41	35	20			
		50			68	65	61	58	55	50	45	38	29				
		60			66	63	60	56	53	48	43	35	24				
		70			65	61	58	54	50	45	38	30					

Numbers in ***italic-bold*** indicate the maximum efficiency zone
 To convert **feet** to **meters** multiply by 0.3048
 To convert **U.S. gallon** to **liters** multiply by 3.785



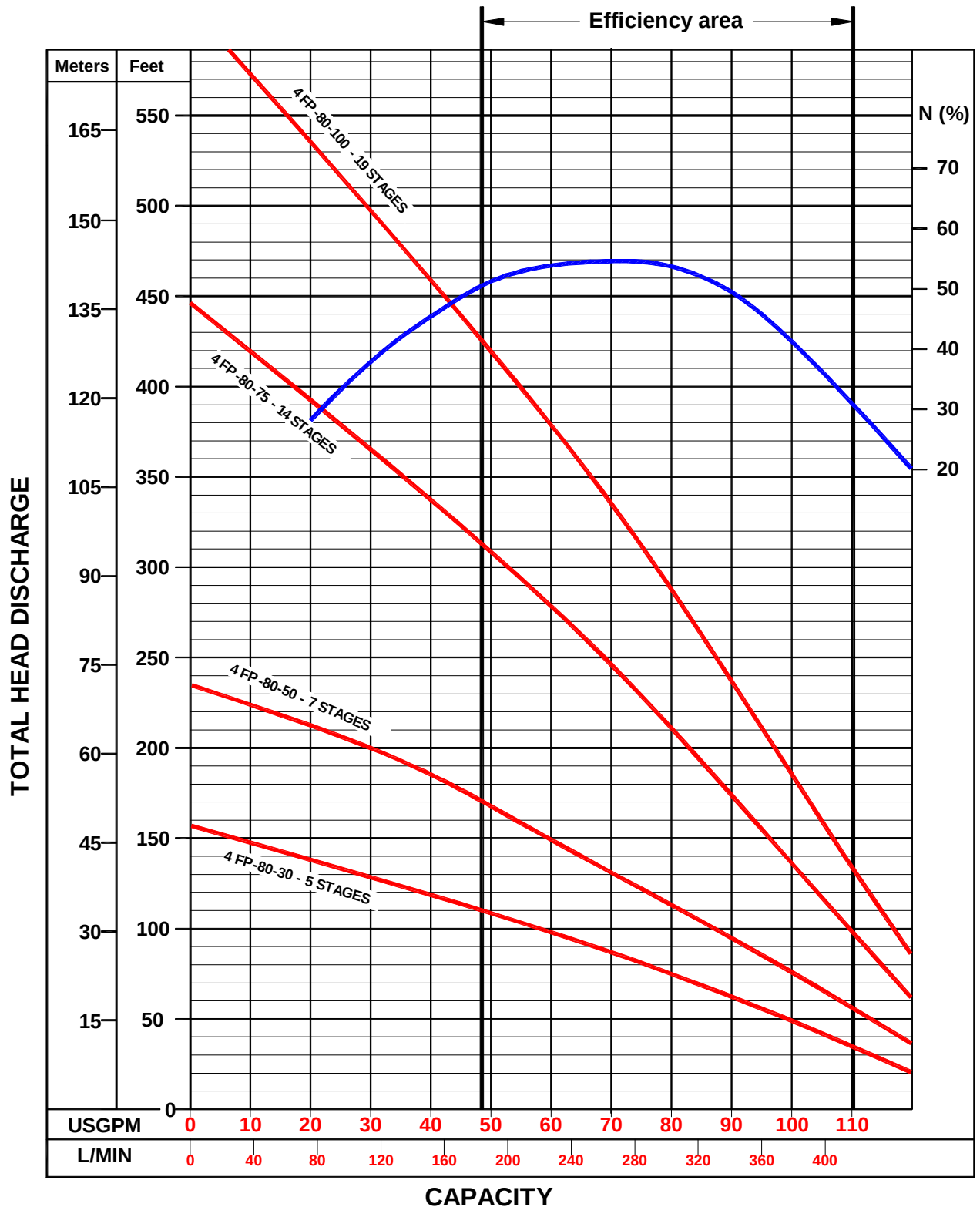
The heart of
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4" PUMPING CURVES 80 G.P.M.





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PERFORMANCE CHART 80 G.P.M.

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM										Shut off	
		P.S.I.	20	30	40	50	60	70	80	160	180	FEET	P.S.I.
4 FP-80-30 5 Stages	3	20	88	83	74	66	58	49	34			157	68
		30	70	62	52	43							
		40	52	39	30								
4 FP-80-50 7 Stages	5	30	95	90	87	79	73	68	62	57	50	240	104
		40	87	79	73	68	62	57	50	45			
		50	70	65	59	54	48	43	37				
		60	56	51	45	40	33						
		70	45	40	33								

MODEL	MOTOR H.P.	Water depth in FEET capacity in GPM														Shut off	
		P.S.I.	50	75	100	125	150	175	200	225	250	275	300	350	400	FEET	P.S.I.
4 FP-80-75 14 Stages	7½	30	104	100	94	87	80	73	64	57	48	40	30			446	193
		40	100	94	89	80	72	66	59	48	40	30					
		50	96	88	81	74	68	59	50	41	32						
		60	88	81	75	68	60	51	41	33							
		70	81	73	67	59	52	40	33								
4 FP-80-100 19 Stages	10	30	114	108	102	99	95	90	85	82	76	71	64	52	37	603	261
		40	109	105	99	95	91	86	81	76	71	64	58	46	32		
		50	104	99	96	91	87	81	76	72	65	58	52	40			
		60	100	95	92	86	81	77	72	66	60	52	49	35			
		70	95	92	86	81	76	72	66	60	54	48	40				

Numbers in ***italic-bold*** indicate the maximum efficiency zone
 To convert **feet** to **meters** multiply by 0.3048
 To convert **U.S. gallon** to **liters** multiply by 3.785



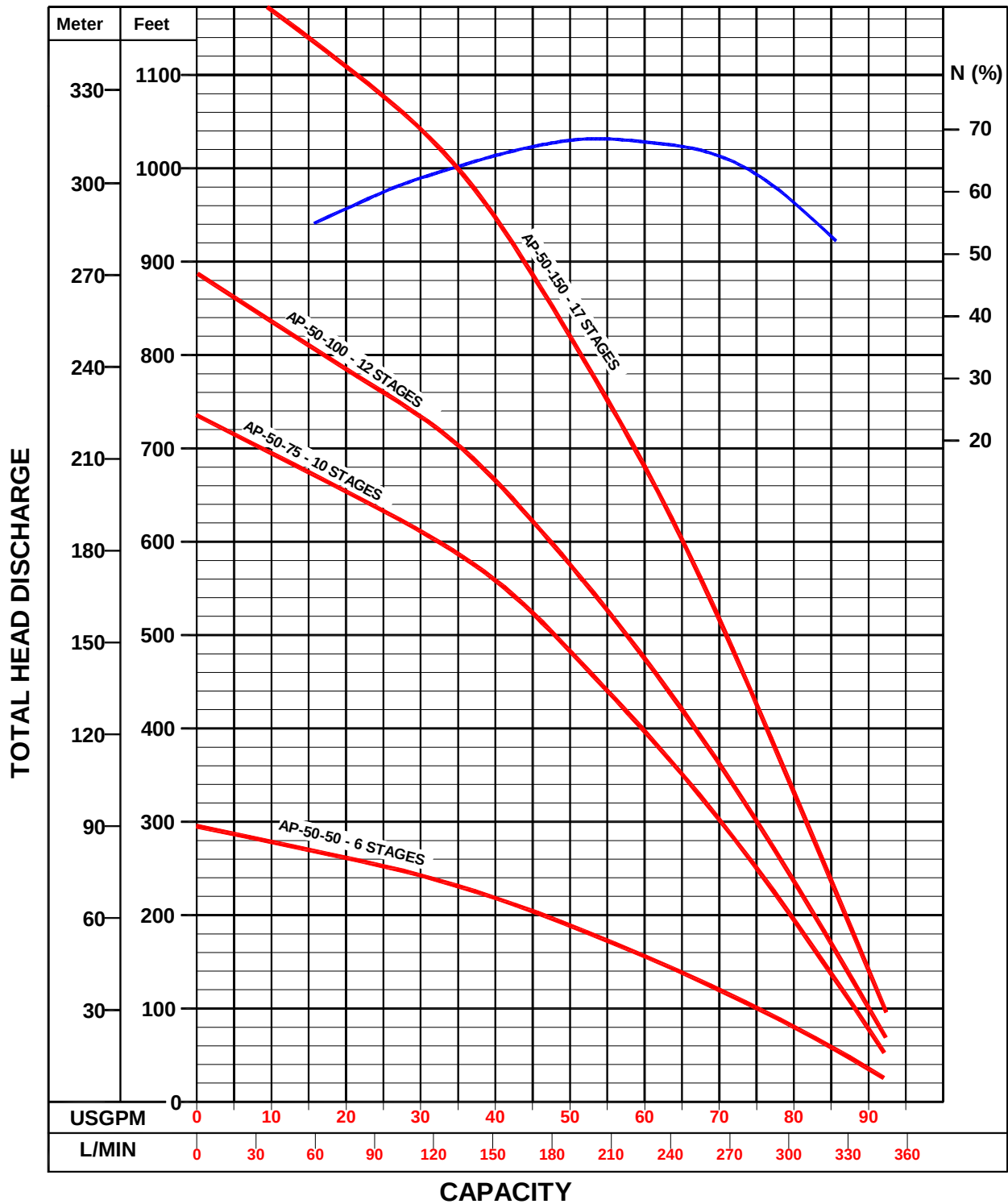
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6" PUMPING CURVES 50 G.P.M. "AP" Series

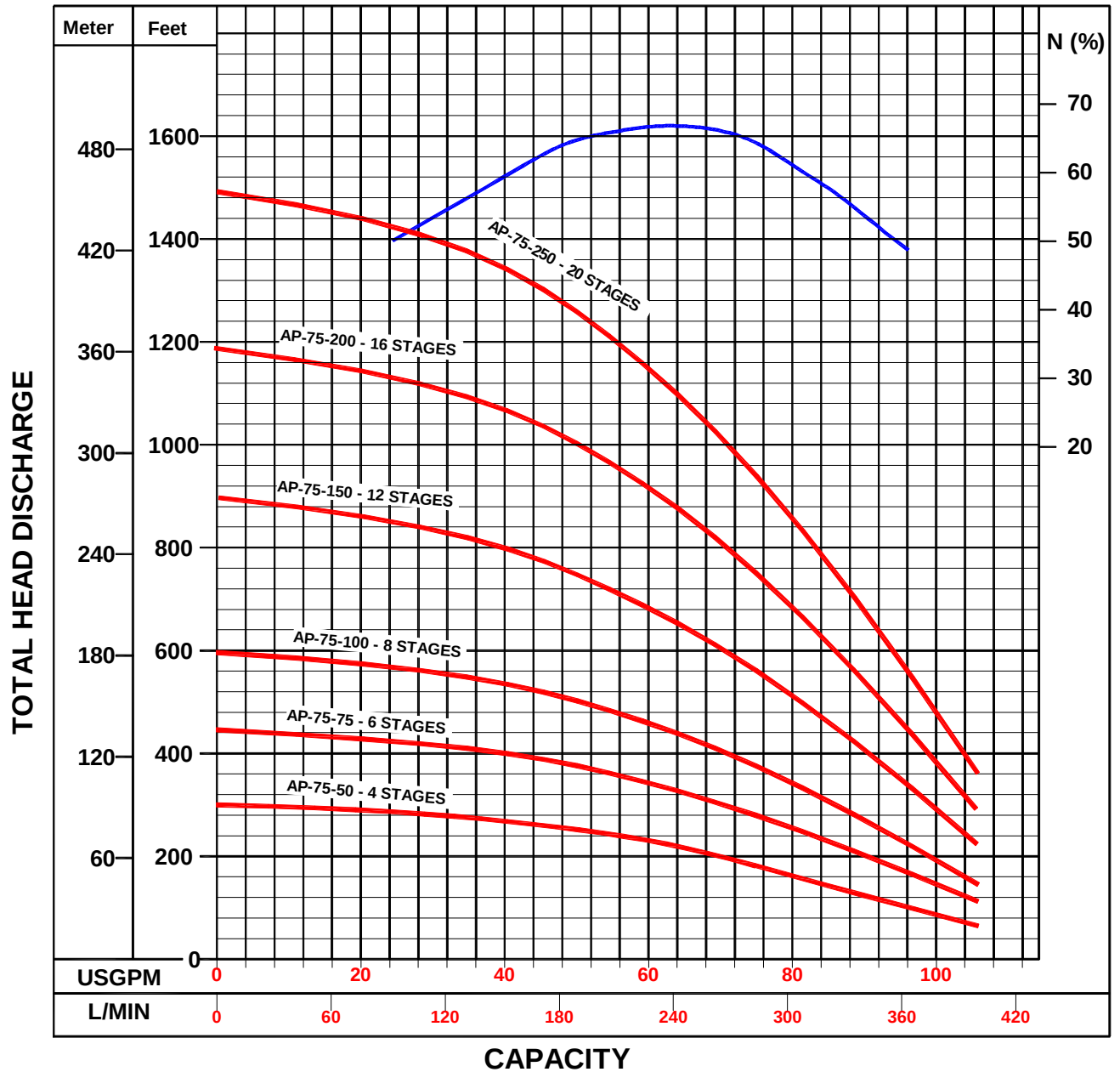




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6" PUMPING CURVES 75 G.P.M. "AP" Series

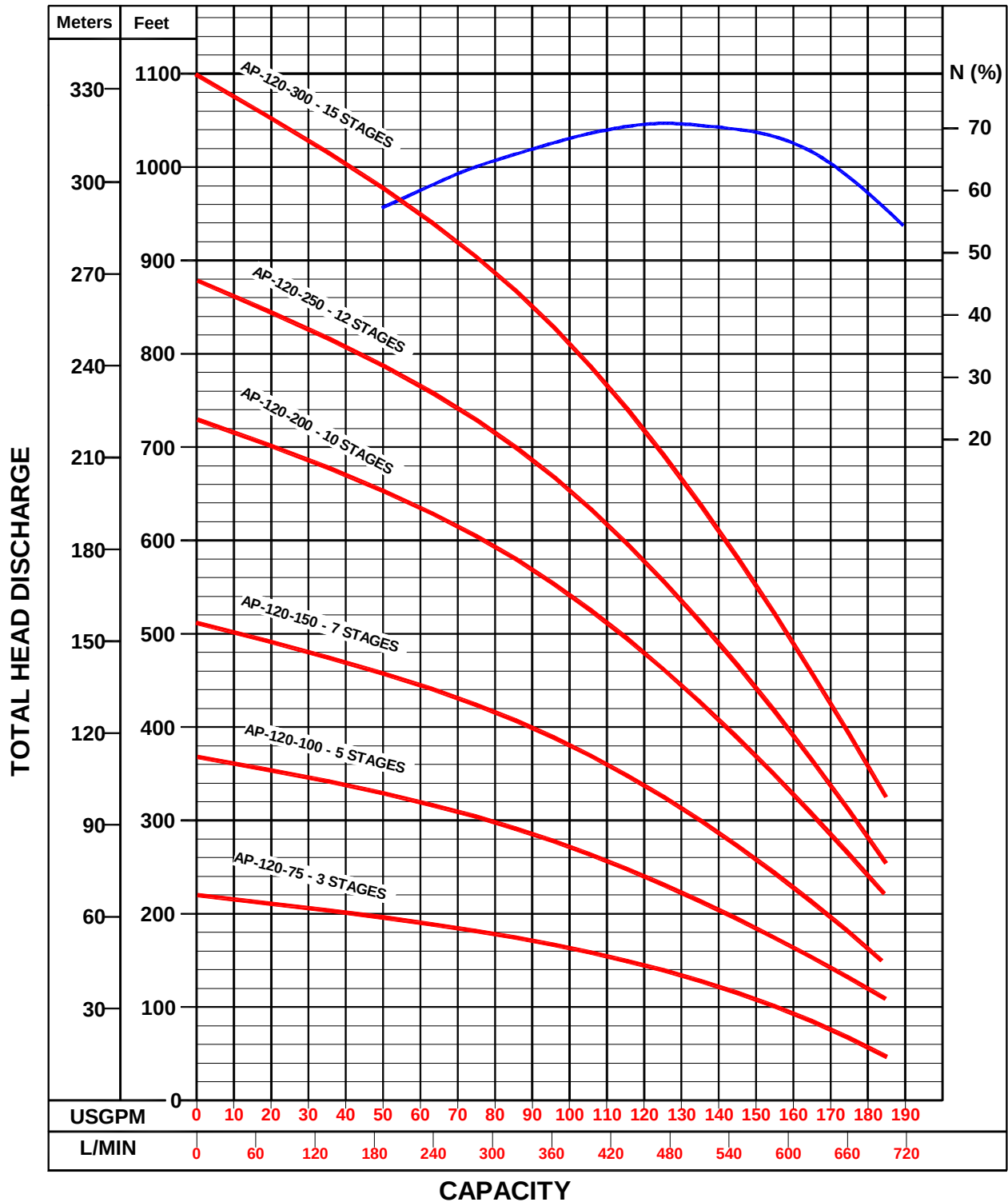




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6" PUMPING CURVES 120 G.P.M.

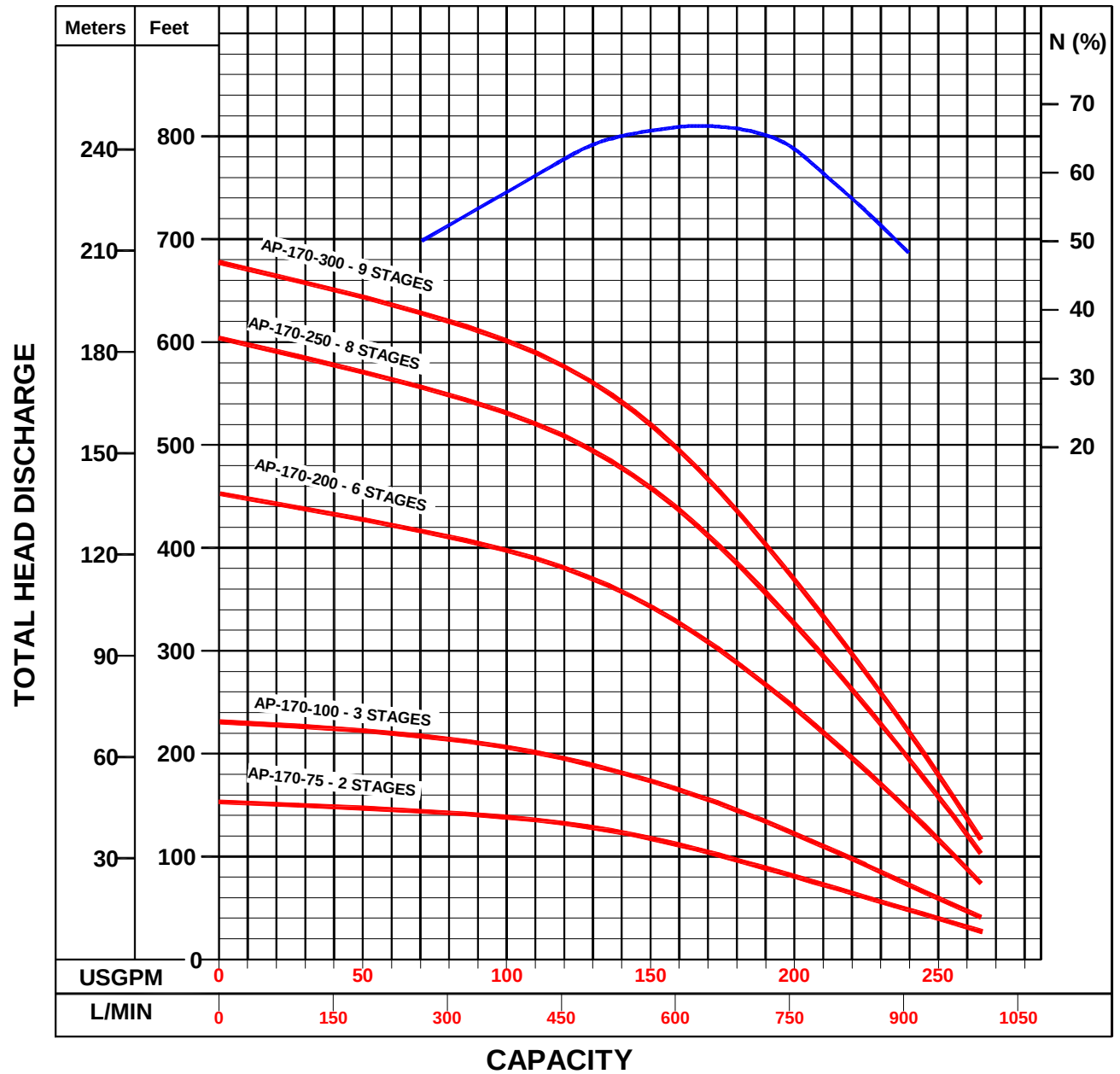




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6" PUMPING CURVES 170 G.P.M.





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6" PUMPING CURVES 230 G.P.M.

