

CURVE SPECIFICATIONS

The specifications below qualify the curves shown on the following pages.

- The curves refer to effective speed of 3500 rpm for 2-pole asynchronous motors at 60 Hz.
- Measurements were carried out with clean water at 68 °F of temperature and with a kinematic viscosity of $\nu = 1 \text{ mm}^2/\text{s}$ (1 cSt)
- The NPSH curve is an average curve obtained under the same conditions as the performance curves.
- The recommended operating range for best efficiency is indicated by the continuous portion of each curve.

Symbols explanation:

Q = volume flow rate

H = total dynamic head (TDH)

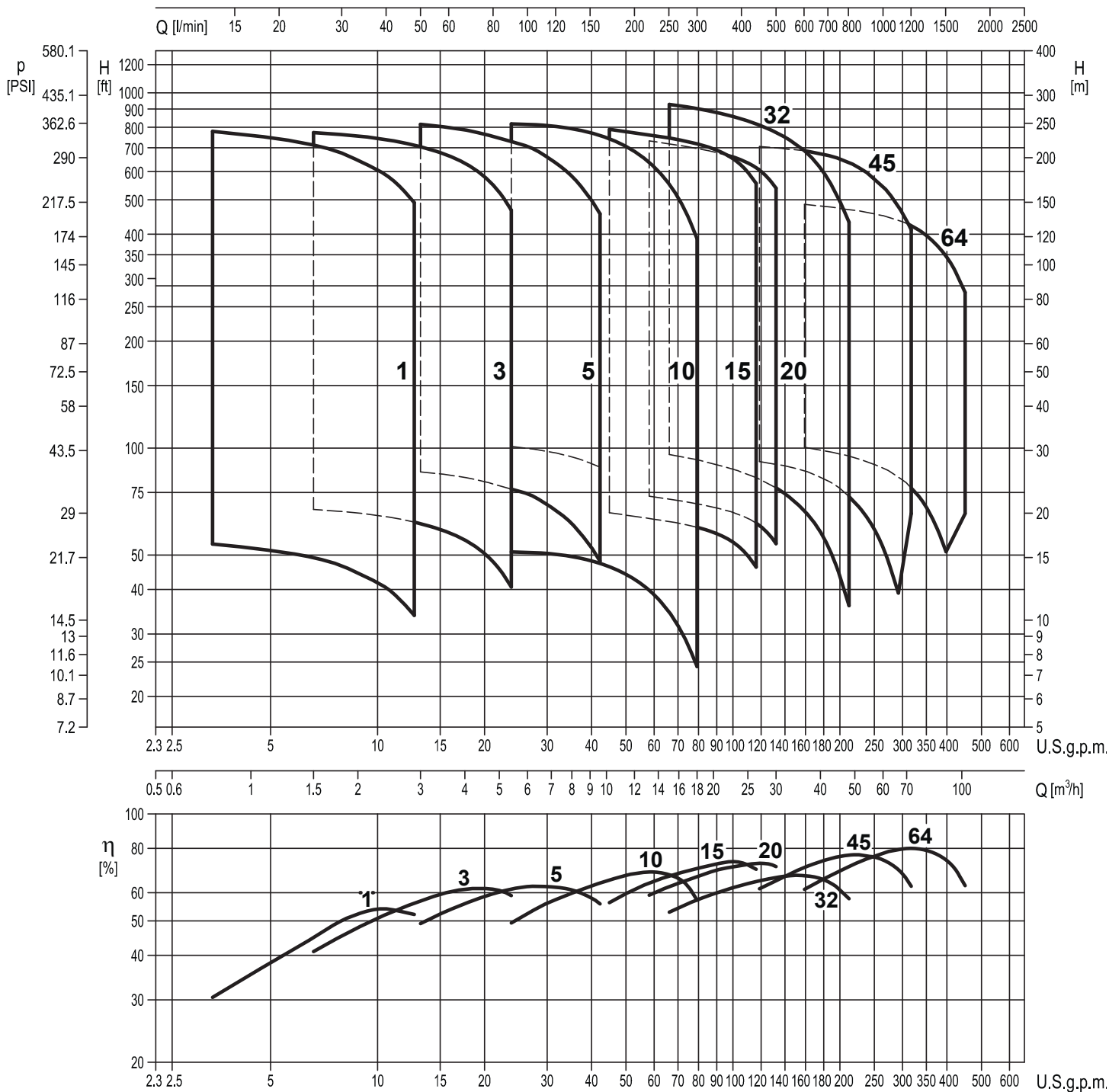
P2 = pump power input (shaft power)

η = pump efficiency

NPSH = net positive suction head required by the pump



PERFORMANCE RANGE



SELECTION CHART

EVMSU(L)1-3-5

	Pump Type	Motor			Maximum working pressure (PSI)	Q=Capacity														
						gpm	0	2.9	3.3	3.4	6.6	10.6	12.7	13.2	19.8	23.8	31.7	42.3		
						m ³ /h	0	0.66	0.75	0.8	1.5	2.4	2.9	3.0	4.5	5.4	7.2	9.6		
H=Total manometric head in feet																				
1	EVMSU(L)1 2	0.37	0.5	56C	230	56.4	54.1	53.8	53.8	49.2	40.5	33.8	-	-	-	-	-	-	-	
	EVMSU(L)1 3	0.37	0.5	56C		84.6	81.2	80.8	80.7	73.8	60.7	50.9	-	-	-	-	-	-	-	-
	EVMSU(L)1 4	0.37	0.5	56C		113.2	108.2	107.7	107.3	98.4	80.9	67.6	-	-	-	-	-	-	-	-
	EVMSU(L)1 5	0.37	0.5	56C		141.4	134.5	134.5	134.2	123	101.1	83.3	-	-	-	-	-	-	-	-
	EVMSU(L)1 6	0.55	0.75	56C		169	164	162.4	161.1	147.6	121.3	101.7	-	-	-	-	-	-	-	-
	EVMSU(L)1 7	0.55	0.75	56C		198.5	188.6	188.6	188.6	172.2	141.1	118.4	-	-	-	-	-	-	-	-
	EVMSU(L)1 8	0.75	1	56C		226.4	216.5	214.9	214.9	196.9	162.4	136.2	-	-	-	-	-	-	-	-
	EVMSU(L)1 9	0.75	1	56C		254.3	242.8	241.1	241.1	221.5	182	152.6	-	-	-	-	-	-	-	-
	EVMSU(L)1 10	0.75	1	56C		282.2	270.6	269.2	269	246.1	200.1	169	-	-	-	-	-	-	-	-
	EVMSU(L)1 11	1.1	1.5	56C		310	296.9	296.9	295.3	270.7	223.1	187	-	-	-	-	-	-	-	-
	EVMSU(L)1 12	1.1	1.5	56C		339.2	324.7	323	321.5	295.3	242.8	203.4	-	-	-	-	-	-	-	-
	EVMSU(L)1 13	1.1	1.5	56C		367.5	351	351	349.1	319.9	262.5	219.8	-	-	-	-	-	-	-	-
	EVMSU(L)1 14	1.1	1.5	56C		395.7	380.6	377.3	376	344.2	283.8	237.9	-	-	-	-	-	-	-	-
	EVMSU(L)1 16	1.5	2	56C		452.1	432.9	429.8	429.8	393.4	323.2	270.7	-	-	-	-	-	-	-	-
	EVMSU(L)1 18	1.5	2	56C		508.5	488.8	485.6	483.3	442.6	364.2	305.1	-	-	-	-	-	-	-	-
	EVMSU(L)1 20	1.5	2	56C		565.3	541.3	538.1	537.1	491.5	403.5	338.6	-	-	-	-	-	-	-	-
	EVMSU(L)1 22	2.2	3	182TC		621.7	593.8	593.8	590.9	540.7	446.2	372.4	-	-	-	-	-	-	-	-
	EVMSU(L)1 24	2.2	3	182TC		678.1	649.6	646.3	643.0	589.9	485.6	406.5	-	-	-	-	-	-	-	-
	EVMSU(L)1 26	2.2	3	182TC		734.6	702.1	698.8	698.2	639.1	524.9	440.3	-	-	-	-	-	-	-	-
EVMSU(L)1 27	2.2	3	182TC	762.8	731.6	728.3	725.1	663.7	544.6	457	-	-	-	-	-	-	-	-		
EVMSU(L)1 29	2.2	3	182TC	819.6	784.1	780.8	778.9	712.9	587.3	491.1	-	-	-	-	-	-	-	-		
3	EVMSU(L)3 2	0.37	0.5	56C	230	70.2	-	69.5	69.5	67.3	63.9	62	61.4	50.9	40.7	-	-	-	-	
	EVMSU(L)3 3	0.55	0.75	56C		105.3	-	104.3	104.2	100.7	95.8	92.8	91.9	76.4	61	-	-	-	-	
	EVMSU(L)3 4	0.75	1	56C		141.1	-	139.4	139.4	134.5	127.7	123.7	122.7	101.7	81.4	-	-	-	-	
	EVMSU(L)3 5	0.75	1	56C		175.5	-	173.8	172.2	167.3	159.1	154.2	152.6	127.3	101.7	-	-	-	-	
	EVMSU(L)3 6	1.1	1.5	56C		211.6	-	208.3	208.3	201.8	191.9	185.4	183.7	152.6	122	-	-	-	-	
	EVMSU(L)3 7	1.1	1.5	56C		246.1	-	242.8	242.8	234.6	223.1	216.5	214.9	178.8	142.7	-	-	-	-	
	EVMSU(L)3 8	1.5	2	56C		280.5	-	277.2	277.2	269	254.3	247.7	244.4	203.4	162.4	-	-	-	-	
	EVMSU(L)3 9	1.5	2	56C		316.6	-	313.3	313.3	301.8	287.1	278.9	275.6	226.4	183.7	-	-	-	-	
	EVMSU(L)3 10	1.5	2	56C		351.7	-	347.8	347.8	334.6	319.9	310	306.8	254.3	203.4	-	-	-	-	
	EVMSU(L)3 11	2.2	3	182TC		386.8	-	383.9	380.6	369.4	351	340.2	337.3	280.5	223.1	-	-	-	-	
	EVMSU(L)3 12	2.2	3	182TC		421.9	-	416.7	416.7	402.9	383.9	371.4	367.8	305.1	244.4	-	-	-	-	
	EVMSU(L)3 13	2.2	3	182TC		457	-	452.8	452.8	436.7	416.7	402.2	398.6	330.7	264.1	-	-	-	-	
	EVMSU(L)3 14	2.2	3	182TC		492.1	-	485.6	485.6	470.1	446.2	433.1	429.1	356	283.8	-	-	-	-	
	EVMSU(L)3 15	2.2	3	182TC		527.2	-	521.7	521.7	503.6	479.0	464.2	459.6	381.6	305.1	-	-	-	-	
	EVMSU(L)3 16	3.7	5	184TC		562.7	-	557.7	554.5	537.4	511.8	495.1	490.5	406.8	324.8	-	-	-	-	
	EVMSU(L)3 17	3.7	5	184TC		597.8	-	590.6	590.6	570.9	544.6	525.9	521	432.4	345.5	-	-	-	-	
	EVMSU(L)3 19	3.7	5	184TC		668	-	659.4	659.4	638.1	607	587.9	582.3	483.3	386.2	-	-	-	-	
	EVMSU(L)3 20	3.7	5	184TC		703.1	-	695.5	695.5	671.6	639.8	618.8	613.2	508.5	406.5	-	-	-	-	
	EVMSU(L)3 21	3.7	5	184TC		738.2	-	731.6	728.3	705.1	669.3	649.6	643.7	534.1	426.8	-	-	-	-	
EVMSU(L)3 22	3.7	5	184TC	773.3	-	764.4	764.4	738.8	702.1	680.8	674.2	559.4	447.2	-	-	-	-			
EVMSU(L)3 23	3.7	5	184TC	808.7	-	800.5	797.2	772.3	734.9	711.6	705.1	585	467.5	-	-	-	-			
5	EVMSU(L)5 2	0.75	1	56C	230	90.6	-	-	-	-	87.4	86.1	85.6	80.7	76.8	66.9	47.9	-	-	
	EVMSU(L)5 3	1.1	1.5	56C		135.8	-	-	-	-	131.1	129.1	128.6	121.1	115.2	100.4	71.9	-	-	
	EVMSU(L)5 4	1.5	2	56C		180.4	-	-	-	-	175.5	172.2	172.2	160.8	154.2	133	96.1	-	-	
	EVMSU(L)5 5	2.2	3	182TC		226.4	-	-	-	-	218.2	214.9	214.9	201.8	190.3	167.3	120.1	-	-	
	EVMSU(L)5 6	2.2	3	182TC		272.3	-	-	-	-	260.8	260.8	257.5	242.8	229.7	200.1	144.4	-	-	
	EVMSU(L)5 7	3.7	5	184TC		316.6	-	-	-	-	306.8	300.2	300.2	282.2	269	234.6	167.3	-	-	
	EVMSU(L)5 8	3.7	5	184TC		362.2	-	-	-	-	351	344.3	342.8	323.2	306.8	267.4	191.9	-	-	
	EVMSU(L)5 9	3.7	5	184TC		407.5	-	-	-	-	393.7	387.1	385.8	363.2	345.1	300.2	216.5	-	-	
	EVMSU(L)5 10	3.7	5	184TC		452.8	-	-	-	-	436.4	429.8	428.8	403.5	383.5	334.3	239.5	-	-	
	EVMSU(L)5 11	3.7	5	184TC		498	-	-	-	-	482.3	472.4	471.8	443.9	421.9	367.5	264.1	-	-	
	EVMSU(L)5 12	5.5	7.5	213TC		543.3	-	-	-	-	524.9	515.1	514.4	484.3	460.3	400.9	288.7	-	-	
	EVMSU(L)5 13	5.5	7.5	213TC		588.6	-	-	-	-	567.6	561	557.4	524.6	498.7	434.4	311.7	-	-	
	EVMSU(L)5 14	5.5	7.5	213TC		633.9	-	-	-	-	613.5	603.7	600.4	565	537.1	467.8	336	-	-	
	EVMSU(L)5 15	5.5	7.5	213TC		679.1	-	-	-	-	656.2	646.3	643	605.3	575.5	501.3	360.2	-	-	
	EVMSU(L)5 16	5.5	7.5	213TC		724.4	-	-	-	-	698.8	689	686	645.3	613.8	534.8	384.2	-	-	
	EVMSU(L)5 17	5.5	7.5	213TC		769.7	-	-	-	-	744.8	731.7	729	685.7	651.9	568.2	408.1	-	-	
	EVMSU(L)5 19	7.5	10	215TC		860.2	-	-	-	-	830.1	816.9	814.6	766.4	728.7	634.8	456	-	-	

Model also available in 143TC/145TC frame

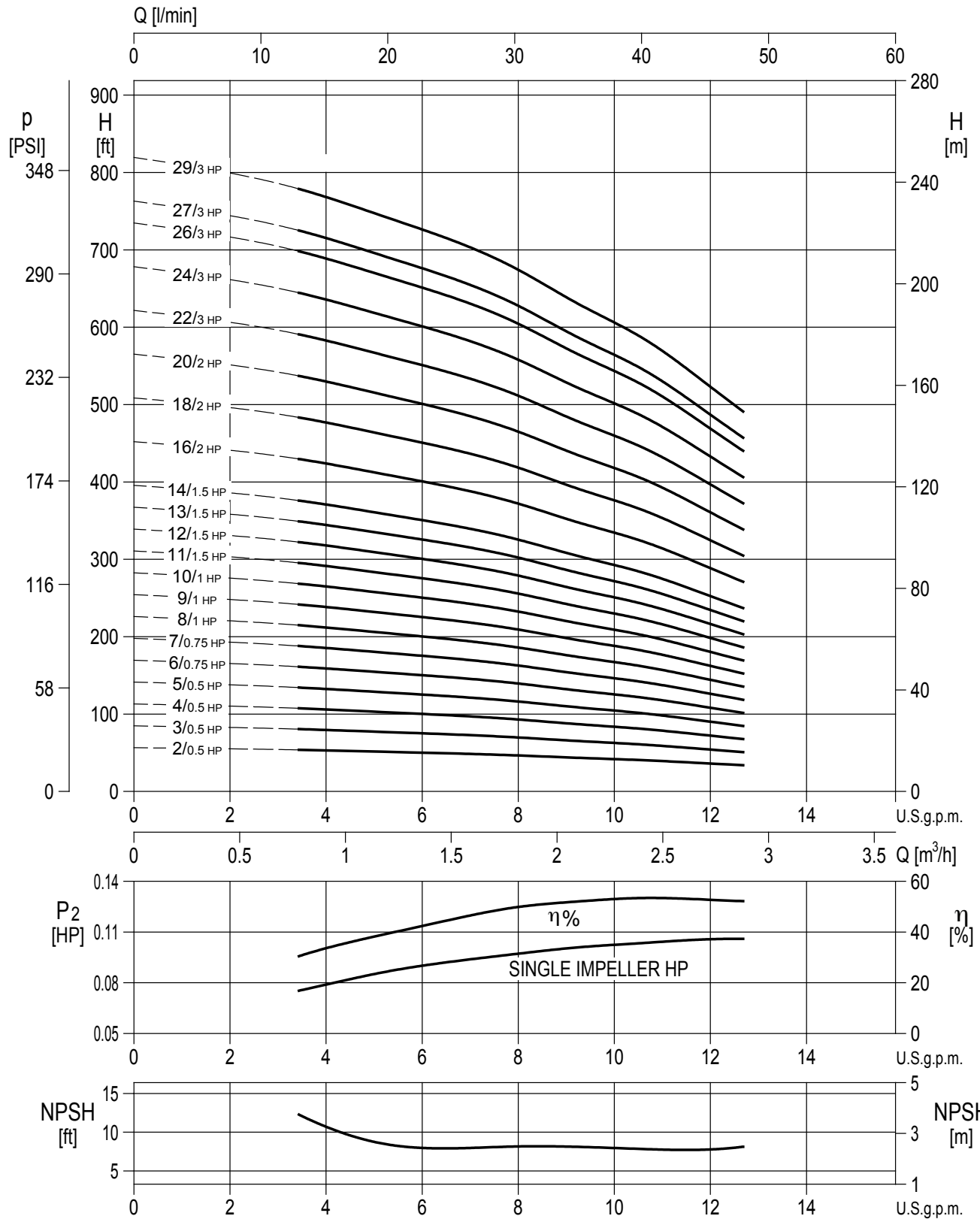
PERFORMANCE CURVES

EVMSU1 1/2HP - 3HP

EVMSU1 2 - EVMSU1 29

Nominal Speed: 3500 RPM

300# ANSI Compatible 1 1/4" 4-Bolt



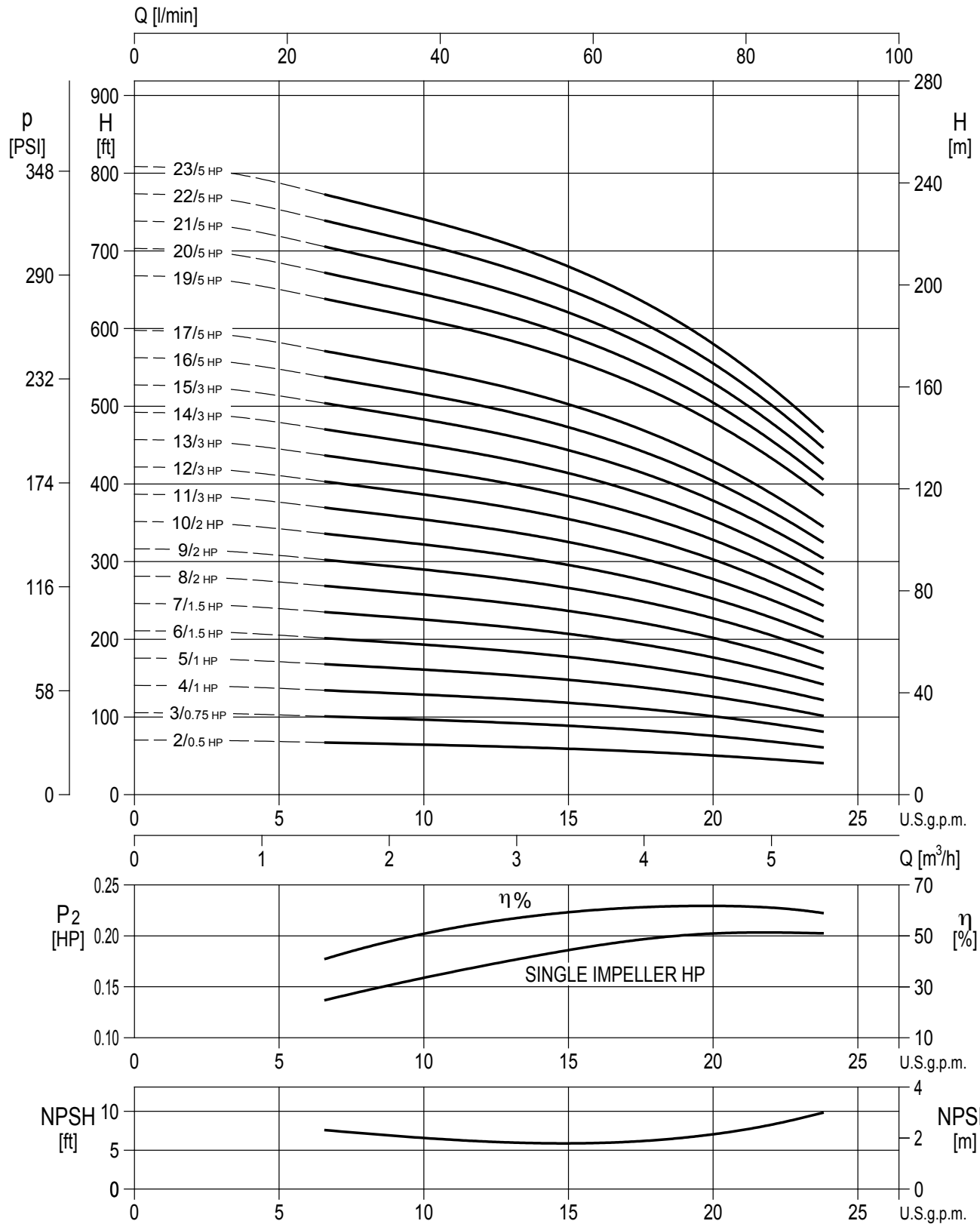
PERFORMANCE CURVES

EVMSU3 1/2HP - 5HP

EVMSU3 2 - EVMSU3 23

Nominal Speed: 3500 RPM

300# ANSI Compatible 1 1/4" 4-Bolt



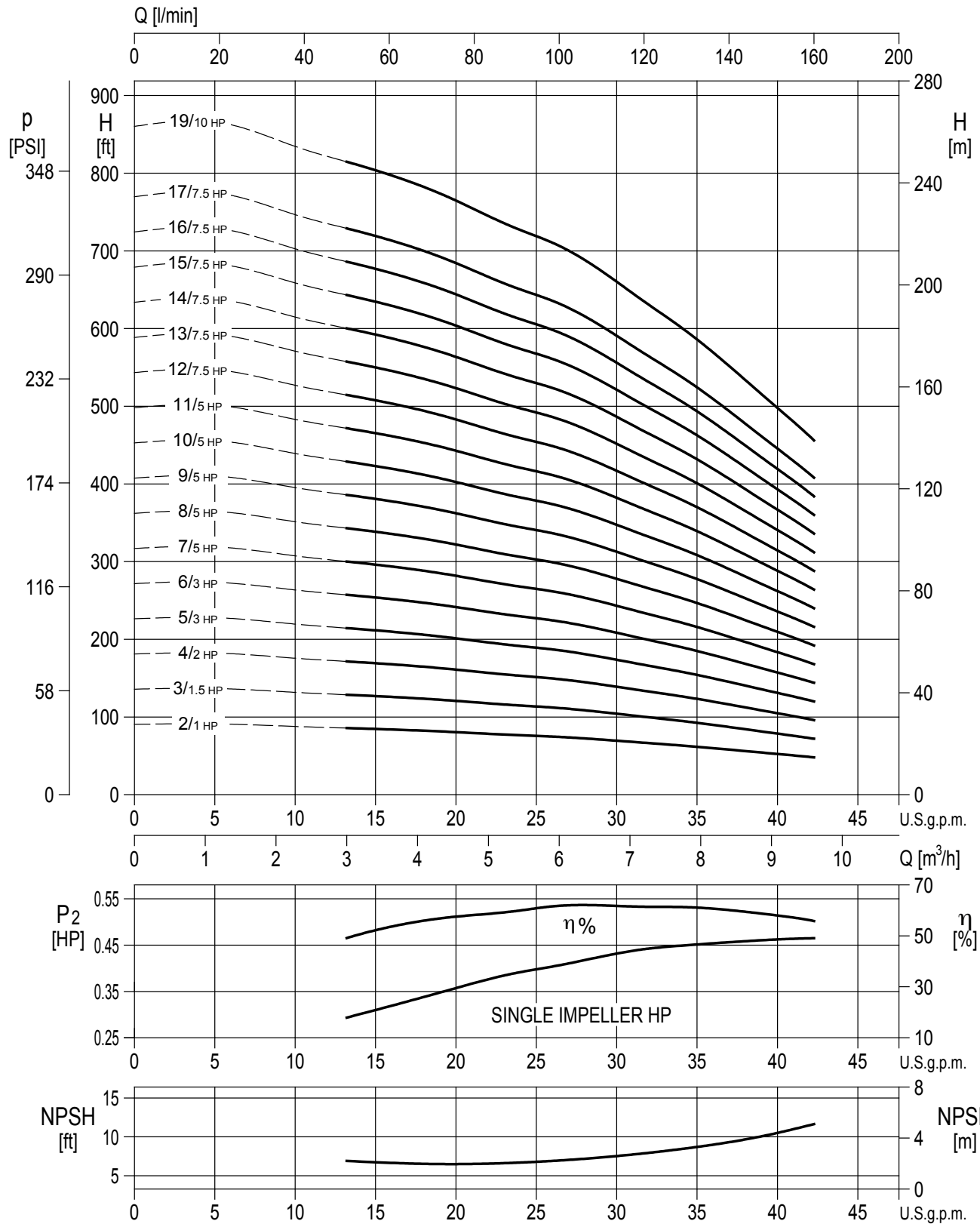
PERFORMANCE CURVES

EVMSU5 1HP - 10HP

EVMSU5 2 - EVMSU5 19

Nominal Speed: 3500 RPM

300# ANSI Compatible 1 1/4" 4-Bolt



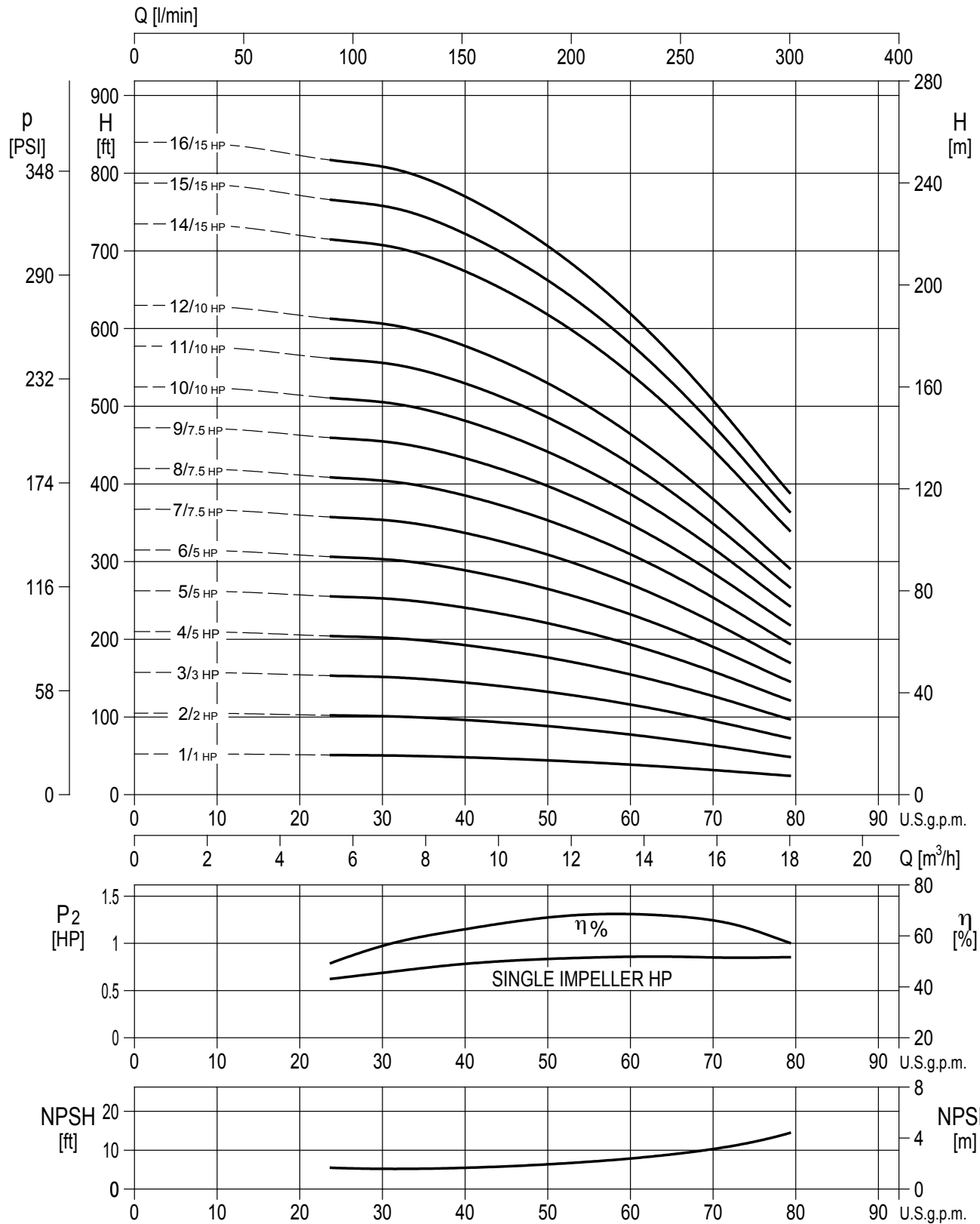
PERFORMANCE CURVES

EVMSU10 1HP - 15HP

EVMSU10 1 - EVMSU10 16

Nominal Speed: 3500 RPM

300# ANSI Compatible 2" 8-Bolt



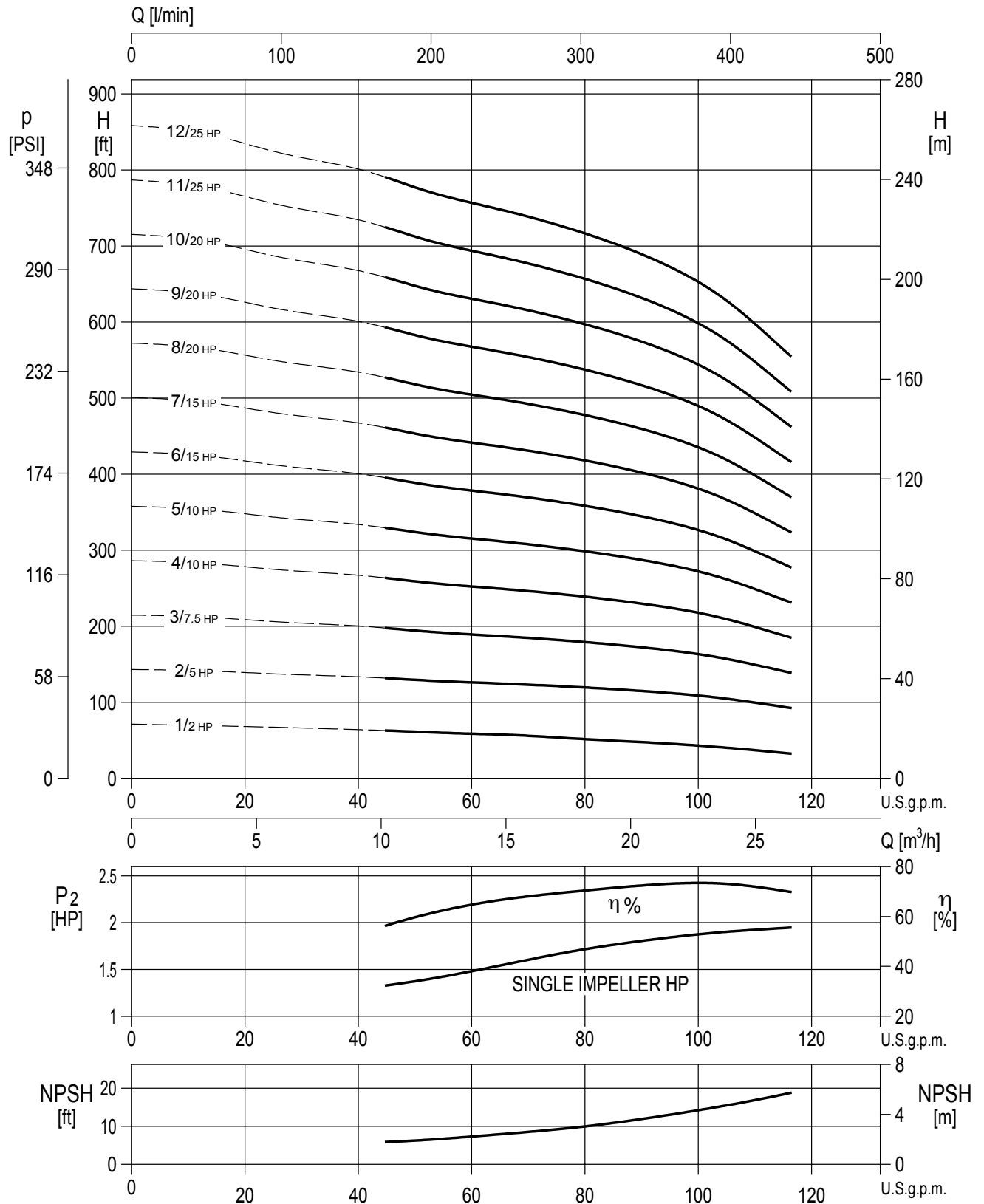
PERFORMANCE CURVES

EVMSU15 2HP - 25HP

EVMSU15 1 - EVMSU15 12

Nominal Speed: 3500 RPM

300# ANSI Compatible 2" 8-Bolt



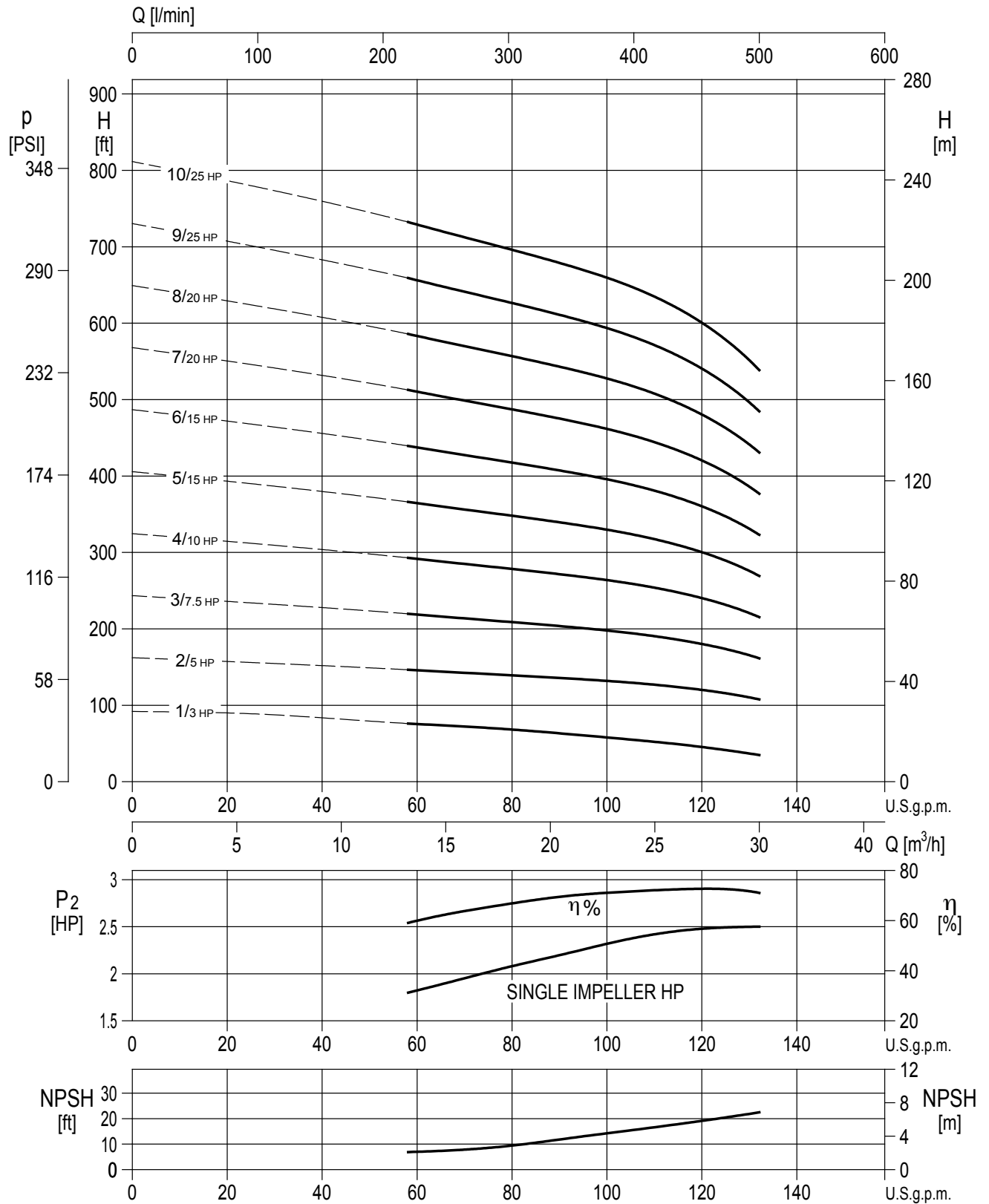
PERFORMANCE CURVES

EVMSU20 3HP - 25HP

EVMSU20 1 - EVMSU20 10

Nominal Speed: 3500 RPM

300# ANSI Compatible 2" 8-Bolt



EVMU(G)(L)

Stainless Steel Vertical Multistage Pump

PERFORMANCE CURVES

EVMU32 5HP - 40HP

EVMU32 1 – EVMU32 4-3

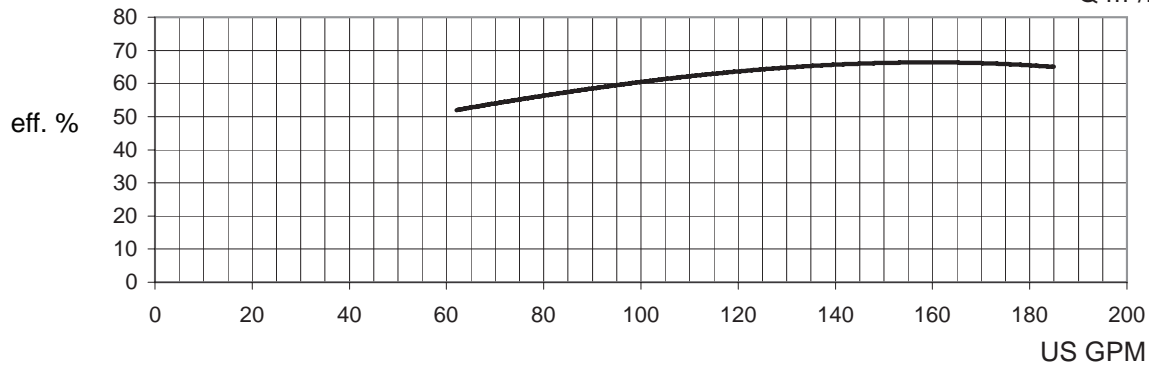
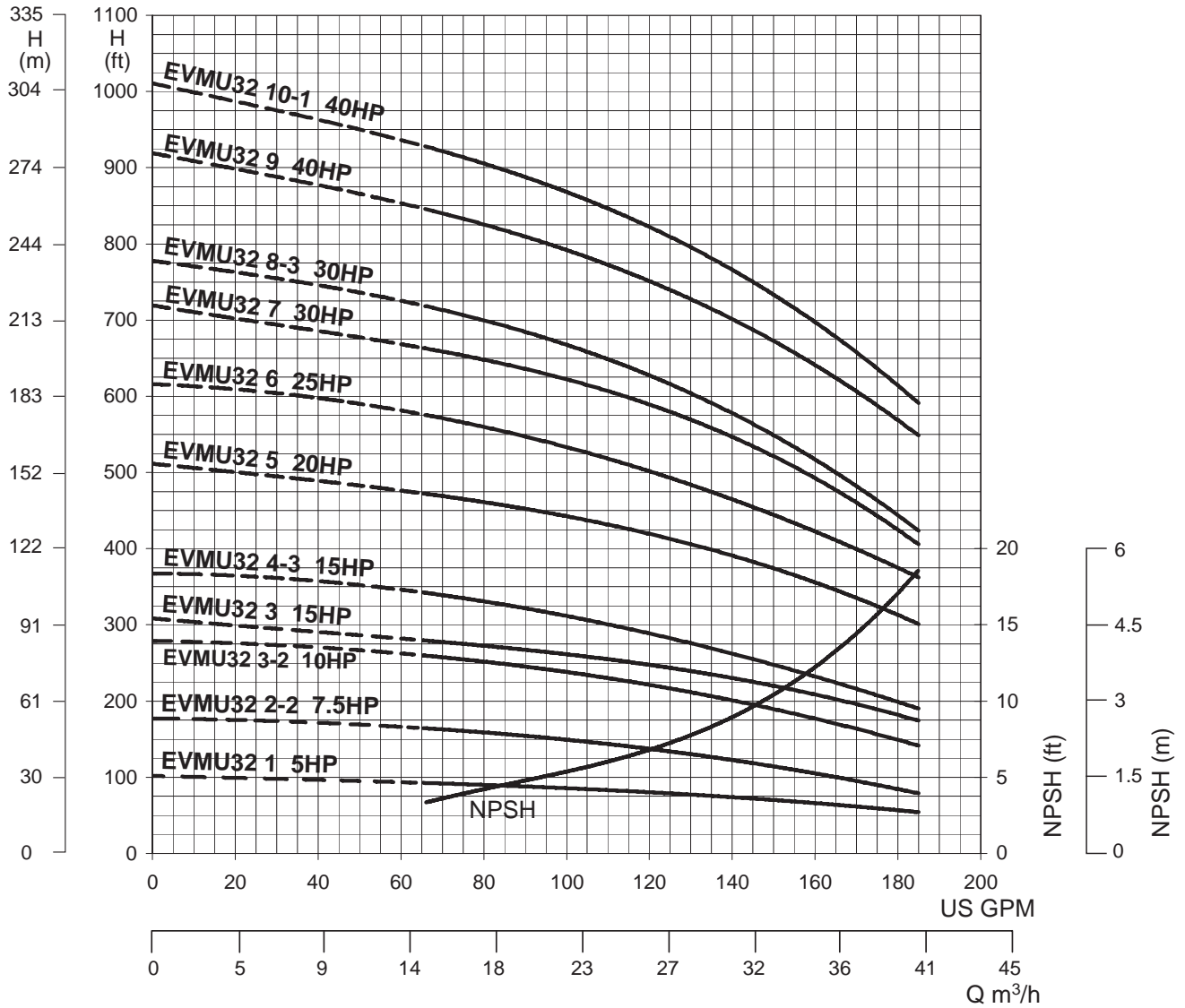
Nominal Speed: 3450 RPM

150# ANSI Compatible 2½" 4-Bolt

EVMU32 5 – EVMU32 10-1

Nominal Speed: 3450 RPM

300# ANSI Compatible 2½" 8-Bolt



Water Temperature: 20° C (68° F)



EVMU(G)(L)

Stainless Steel Vertical Multistage Pump

PERFORMANCE CURVES

EVMU45 7.5HP - 50HP

EVMU45 1-1 – EVMU45 3

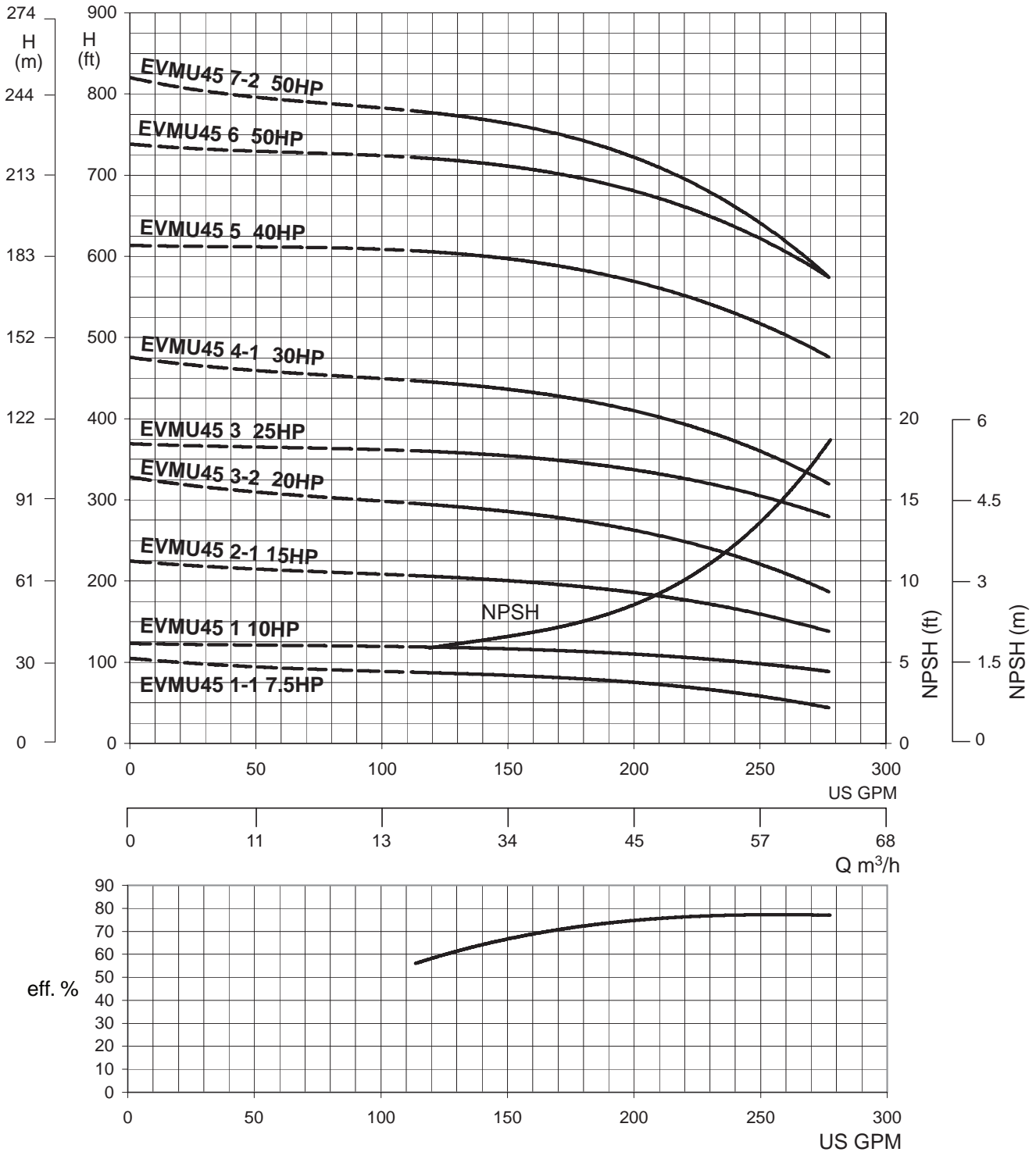
Nominal Speed: 3450 RPM

150# ANSI Compatible 3" 4-Bolt

EVMU45 4-1 – EVMU45 7-2

Nominal Speed: 3450 RPM

300# ANSI Compatible 3" 8-Bolt



Water Temperature: 20° C (68° F)



EVMU(G)(L)

Stainless Steel Vertical Multistage Pump

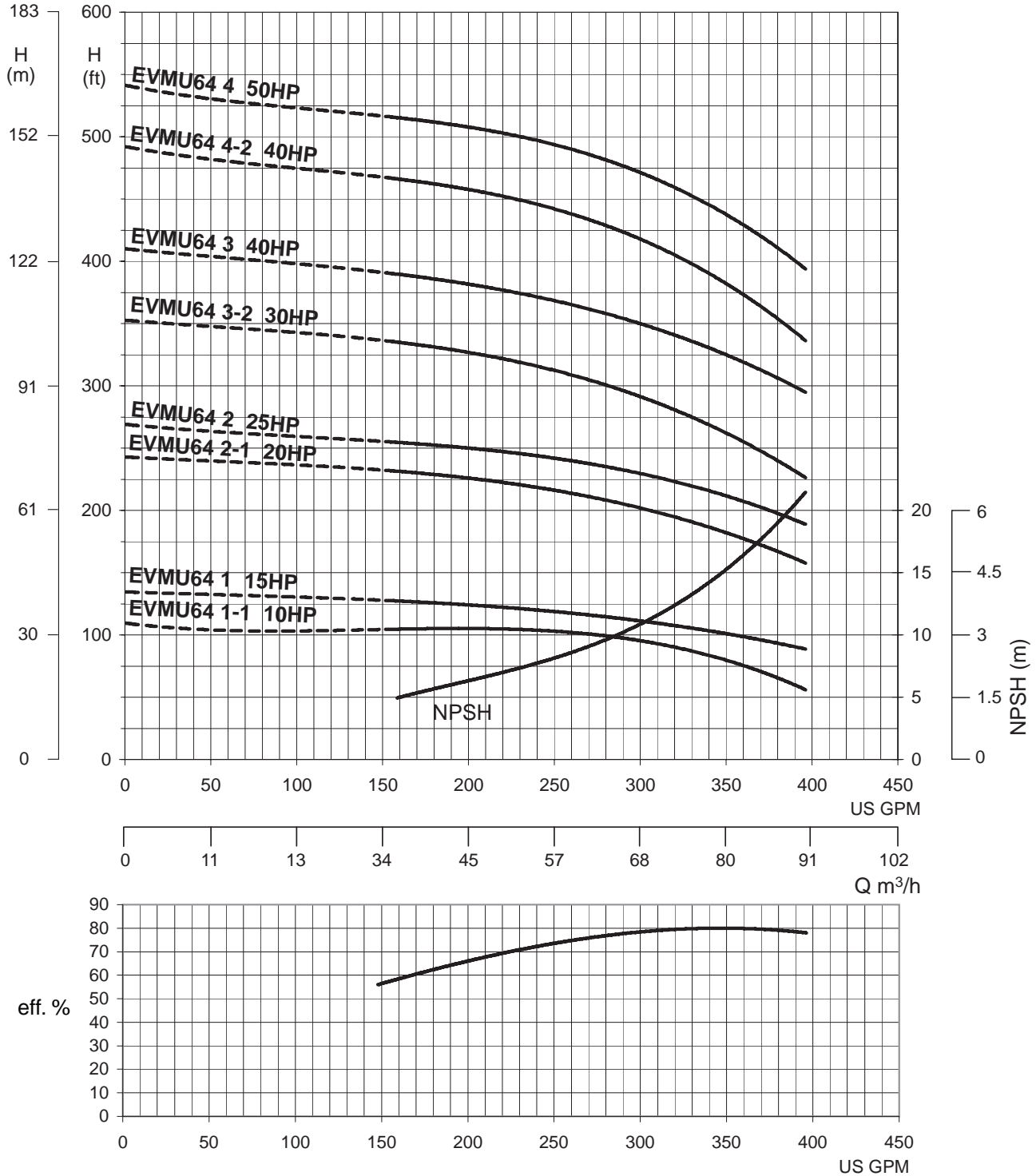
PERFORMANCE CURVES

EVMU64 10HP - 50HP

EVMU64 1-1 – EVMU64 4

Nominal Speed: 3450 RPM

300# ANSI Compatible 4" 8-Bolt



Water Temperature: 20° C (68° F)

