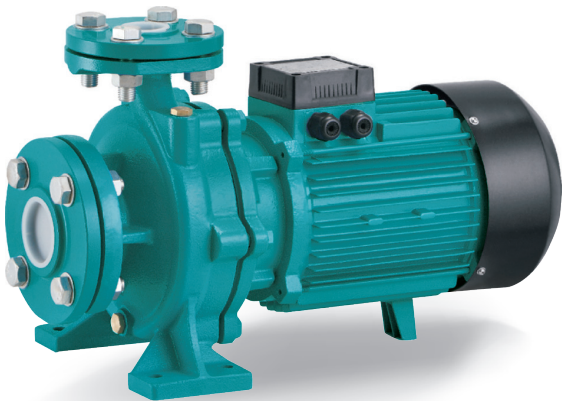




Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems

Operating conditions

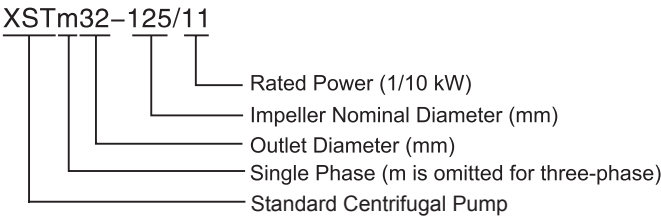
- Delivery: up to 220 m³/h
- Head: up to 95 m
- Liquid temperature:
Standard: -10°C to 85°C Upon request: -20°C to 120°C
- Maximum operating pressure: 12 bar (PN12)
Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304/HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max. ambient temperature: +40°C
- Overload protection

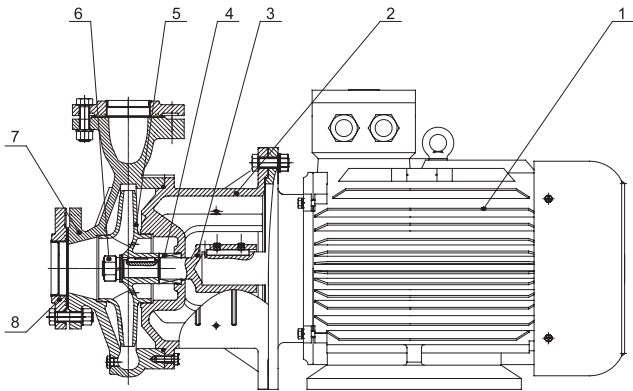
Accessories on request

- Galvanised iron threaded counter flanges
- Flanged tapered coupling
- Pump and motor sealing gasket



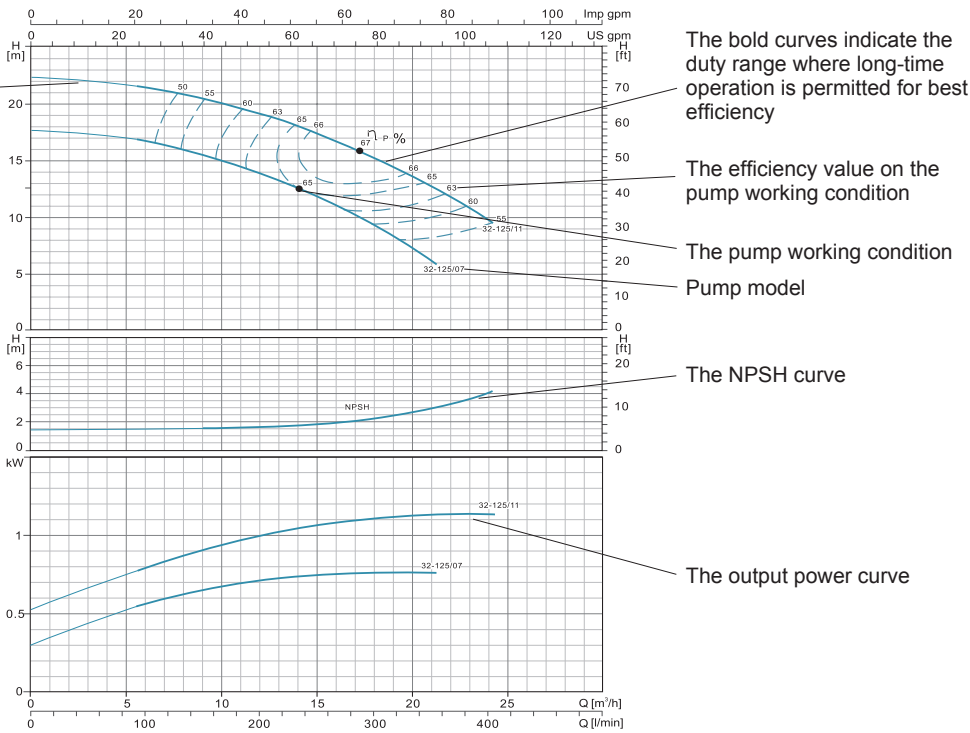
Materials Table

No.	Part	Material
1	Motor	
2	Support	HT 200
3	Pump shaft	Steel/AISI 304
4	Mechanical seal	Carbon/Silicon carbide
5	Impeller	HT 200/Stainless Steel
6	Nut	AISI 304
7	Pump body	HT 200
8	Flange	HT 200



How To Read The Curve Charts

The thin curves indicate the duty range where long-time operation is not allowed



Guidelines to Performance Curves

Tolerances to ISO 9906, Annex A.
Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s.
To avoid overheating of the motor, the pump should not be use against a high head for a long time.

Construction features

Single-impeller centrifugal pump featuring axial intake and radial discharge

Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467

Flanges in compliance with UNI 2236 and DIN 2532

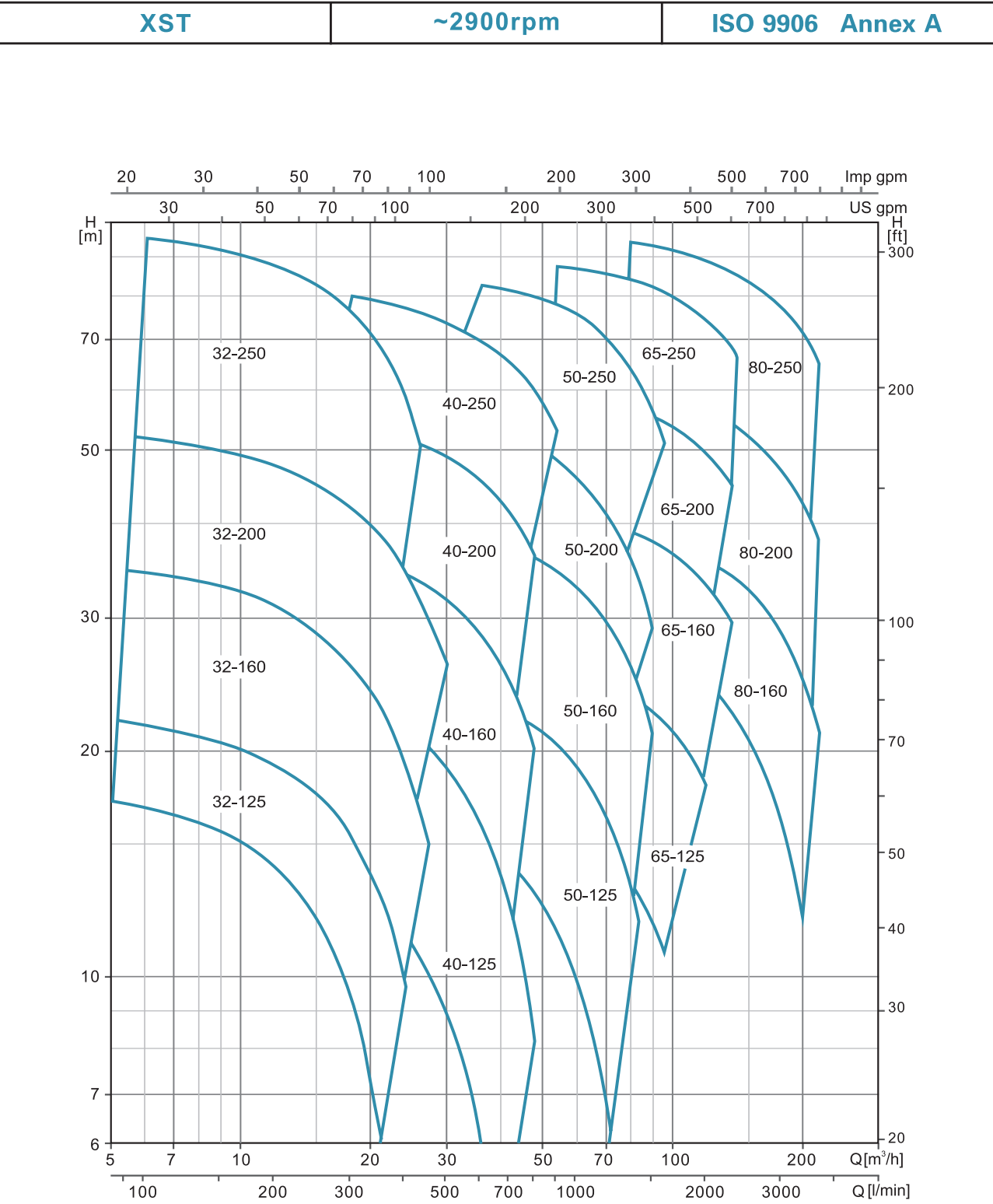
Rear entry (impeller, control valve and motor can be extracted without disconnecting the pump body from the pipes)

Technical Data

PUMP TYPE	POWER		l/min m³/h	Q=DELIVERY																			
	kW	HP		0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500	
				0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210	
32-125/07★	0.75	1	H(m)	17.5	16.7	15	12	9															
32-125/11★	1.1	1.5		22	21	19.7	16.5	14.5	9														
32-160/15★	1.5	2		25.4	23.7	22.5	18.5	15.8															
32-160/22★	2.2	3		31	29.6	28.5	24.5	22	15														
32-160/30★	3	4		35	34.3	34	28	25.5	19	15													
32-200/30★	3	4		44.2	43	39.8	35.2	32.2	24.6	19.8													
32-200/40★	4	5.5		54.5	52	50	45.5	41.9	35	30.3													
32-250/55★	5.5	7.5		79.5	74.7	71.8	63	56	37.5														
32-250/75★	7.5	10		99.5	95	91.8	83	76	57.8														
40-125/11	1.1	1.5		14.7				13.5	11.5	10.1	5.8												
40-125/15	1.5	2		18.1				17	15	13.9	9.6	6											
40-125/22	2.2	3		24.5				23.2	21.5	20.2	16	13	8.3										
40-160/30	3	4		31.8				29.5	27.5	26.3	21.5	17.5											
40-160/40	4	5.5		38				36	34	33	28.5	25	20.1										
40-200/55★	5.5	7.5		46				43.8	41.3	40.1	35	30											
40-200/75★	7.5	10		57				53.6	51.5	50	45	41	36.5										
40-250/92★	9.2	12.5		64				59	56.5	55	49.5	45	39.8										
40-250/110★	11	15		72				67.5	65	63.5	57.5	52.2	47										
40-250/150★	15	20		84.5				80	77.3	75.2	71	65	61										
50-125/22	2.2	3		17							15.4	14	12.8	11.5	6.5								
50-125/30	3	4		20							18.8	18	17	15.6	11								
50-125/40	4	5.5		24							23.1	23	21.5	20.3	15.8	11.8							
50-160/55	5.5	7.5		32							30.6	30	28	26.6	20.5	14.8							
50-160/75	7.5	10		40							38	37	36	34.4	29	24	21						
50-200/92★	9.2	12.5		50.5							46.8	45	43	40.9	32.5	25.7							
50-200/110★	11	15		57.5							53.5	52	50	47.5	40	33	29						
50-250/150★	15	20		68.5							64	63	61.5	59	50	41							
50-250/185★	18.5	25		77							73.2	72	70	68	60.5	51.5	47						
50-250/220★	22	30		86.3							83	81.5	80.8	78.7	70	61.9	57						
65-125/40	4	5.5		19									17.3	16.8	14.5	13	11.8						
65-125/55	5.5	7.5		23									21.3	20.9	19	17.5	16.7	13.7					
65-125/75	7.5	10		27									26	25.6	24.5	23	22.5	20	18				
65-160/92	9.2	12.5		33										31.5	30	28	27.1	24	21.5				
65-160/110	11	15		36										34.5	33	31.5	30.8	28	25.5				
65-160/150	15	20		42										41	40	38.5	37.8	35	33	29.5			
65-200/150	15	20		45.5										46	43.5	41	39.2	33					
65-200/185	18.5	25		53										53.5	51.2	48.3	47	41.5					
65-200/220	22	30		59										59.5	57.2	54	53	47	43.5				
65-200/185	18.5	25		41.2											42	41.2	40.6	38.2	36.5	34			
65-200/220	22	30		48												48	47.5	46	44	41			
65-200/330	30	40	59.5												59	58.5	58	56.2	54				
65-250/220	22	30	62											61.5	58.2	56.5	54	49	45				
65-250/300	30	40	76											75	73	71.5	69.5	64.5	61.5	54			
65-250/370	37	50	90											88.3	86.5	84	83	78	75	68			
80-160/110	11	15	27														27.3	26	24.5	22.5	16		
80-160/150	15	20	32.8														32.5	31.3	30.2	28.5	22.1		
80-160/185	18.5	25	39														38	36.8	36.7	33.8	28.8		
80-200/220	22	30	48														47.5	45.5	43.5	41	32.5		
80-200/300	30	45	60														59.5	58	57	54.5	47		
80-250/370	37	50	71.5														70.5	67.5	65.5	61.5	49.5		
80-250/450	45	61	80														80.5	78.5	76.5	73.4	63.2		
80-250/550	55	75	92.5														93.5	91.2	89.8	86.8	77.6		

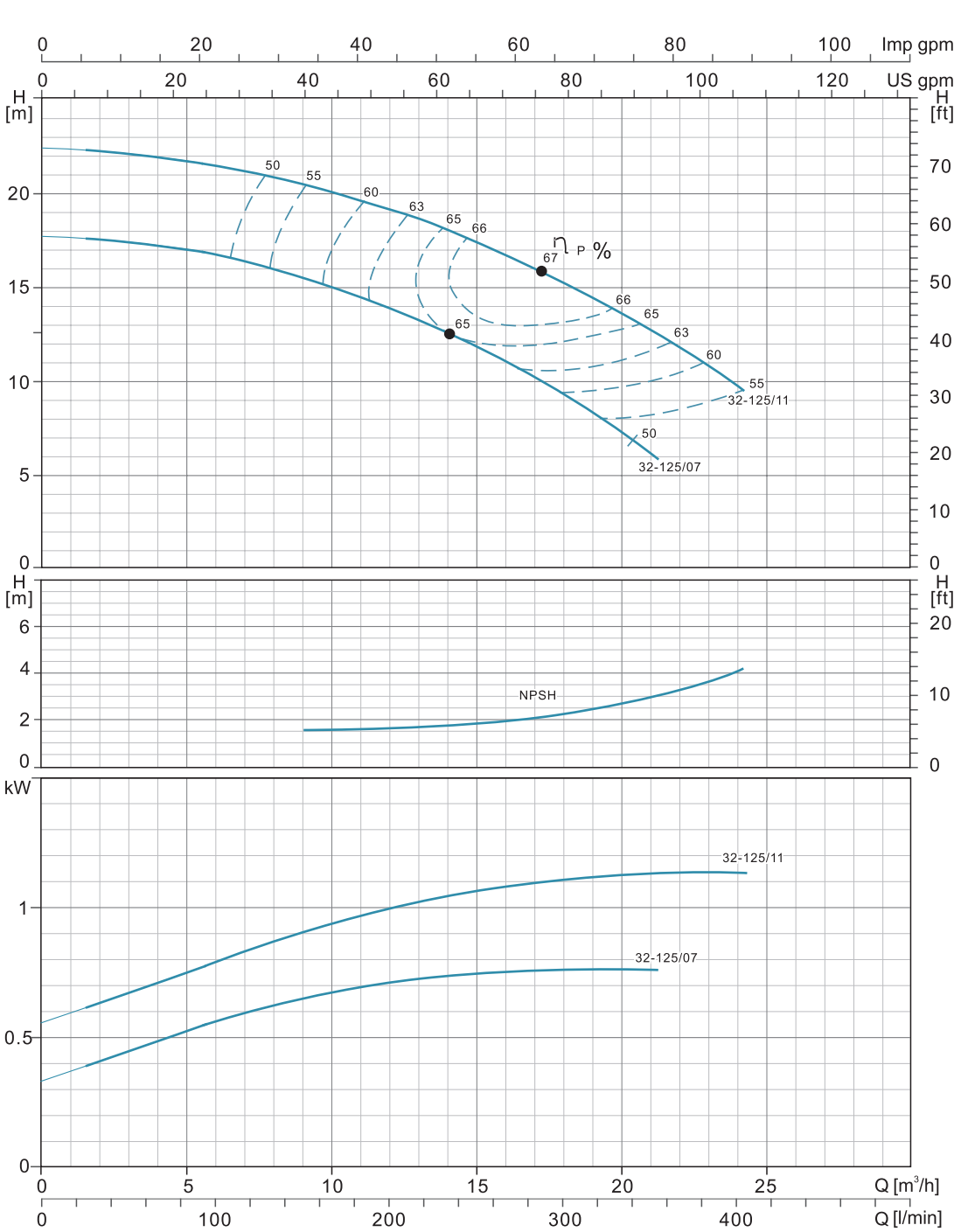
★= Stainless steel impeller

Characteristic Curves



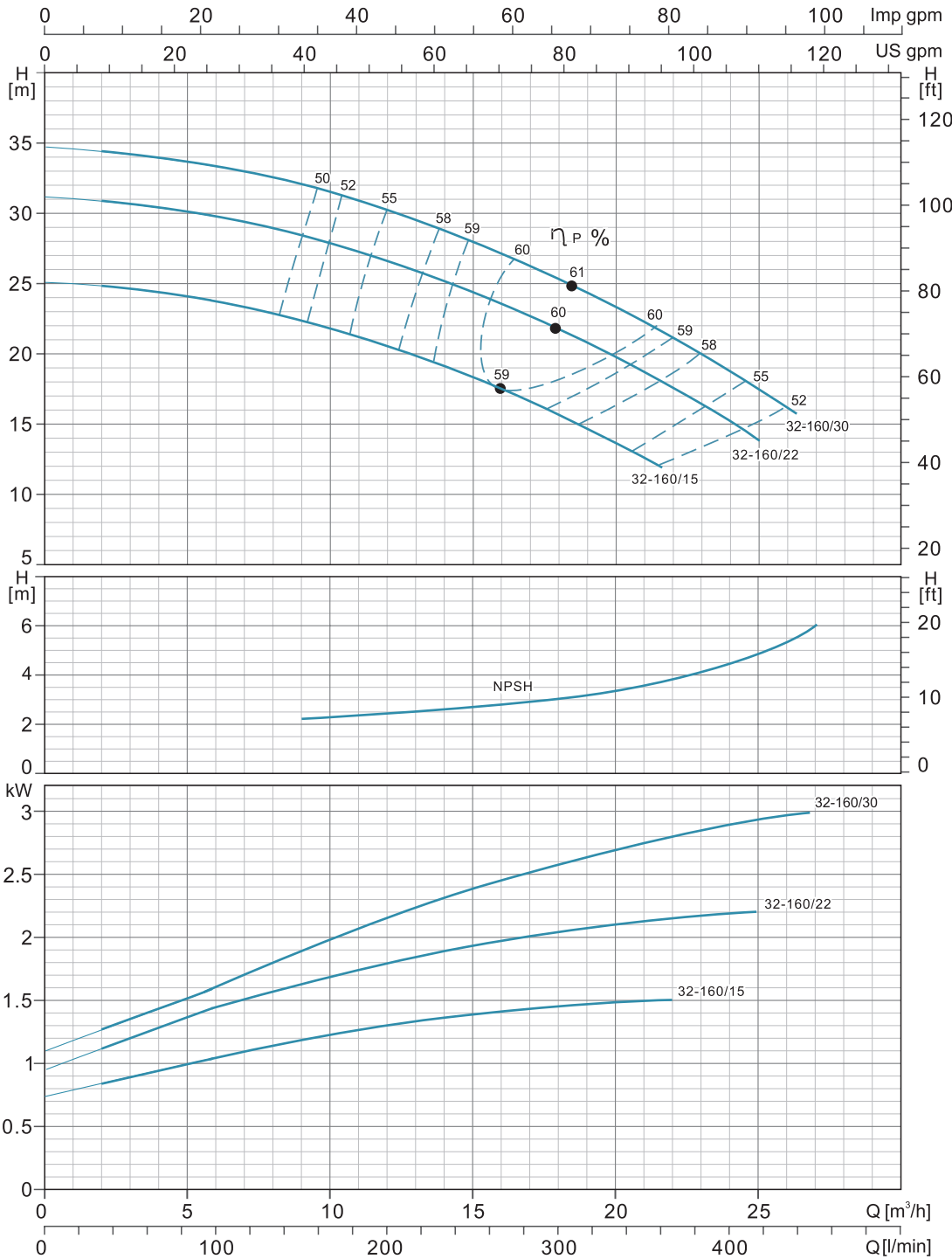
Hydraulic Performance Curves

XST32-125	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



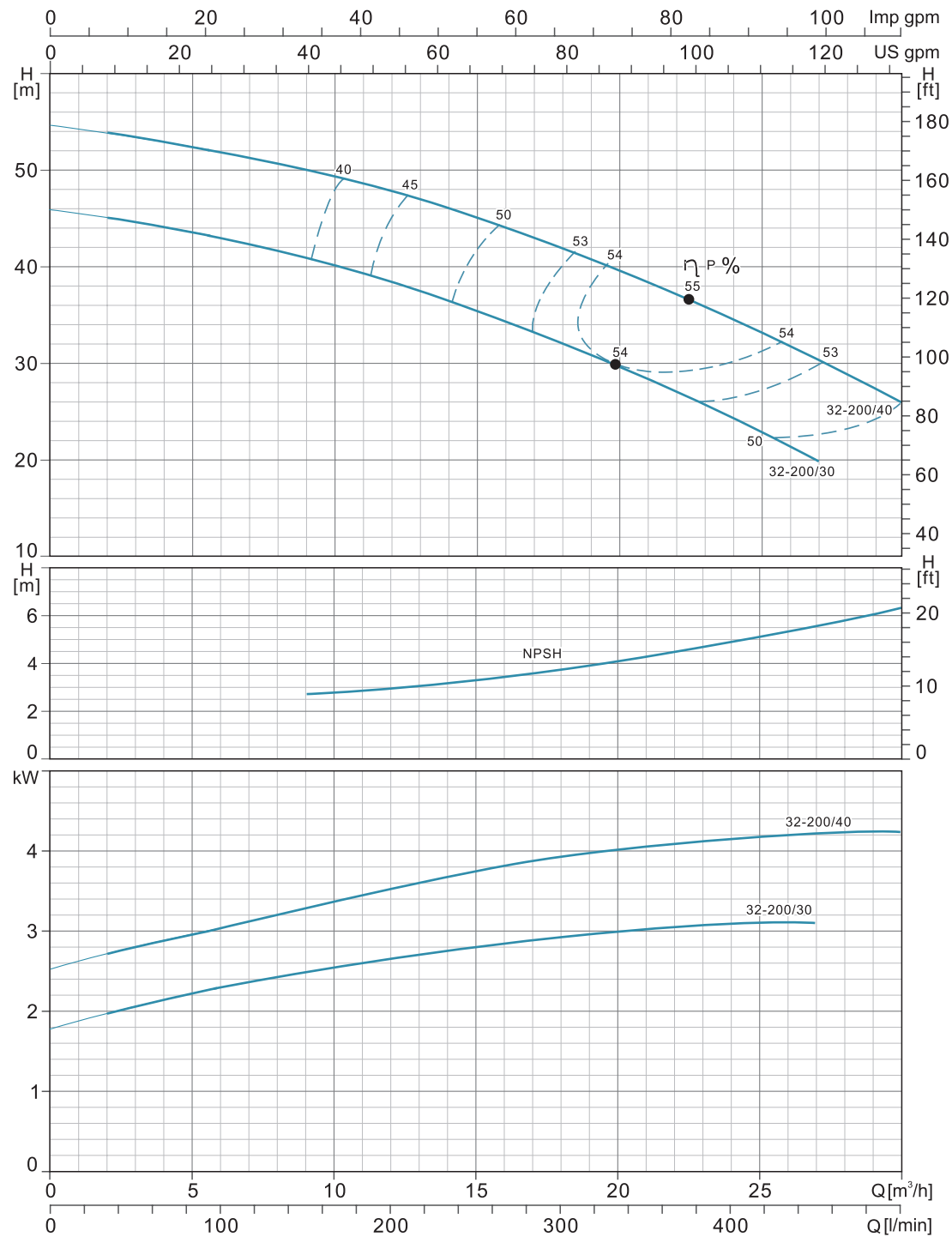
Hydraulic Performance Curves

XST32-160	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



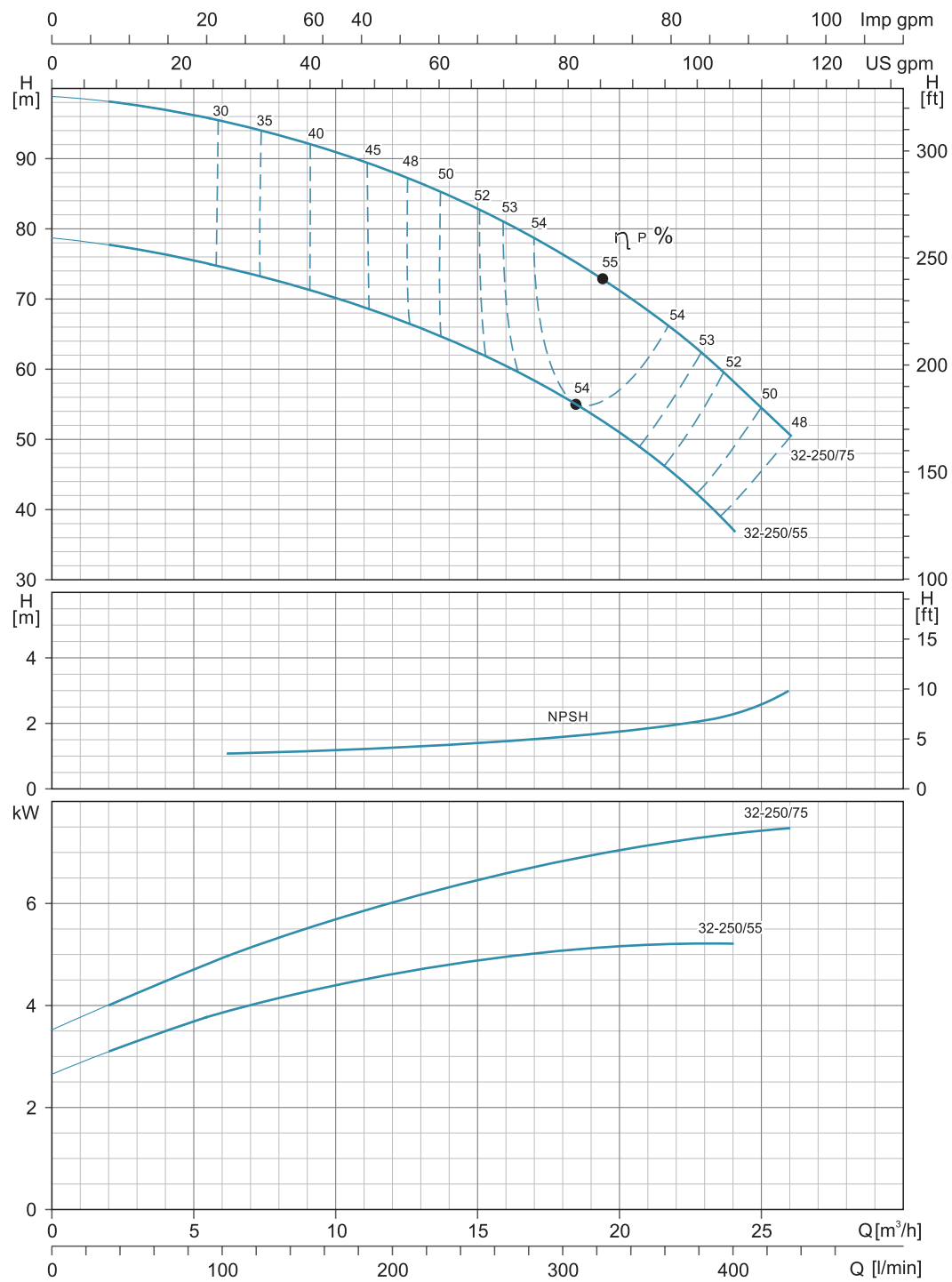
Hydraulic Performance Curves

XST32-200	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



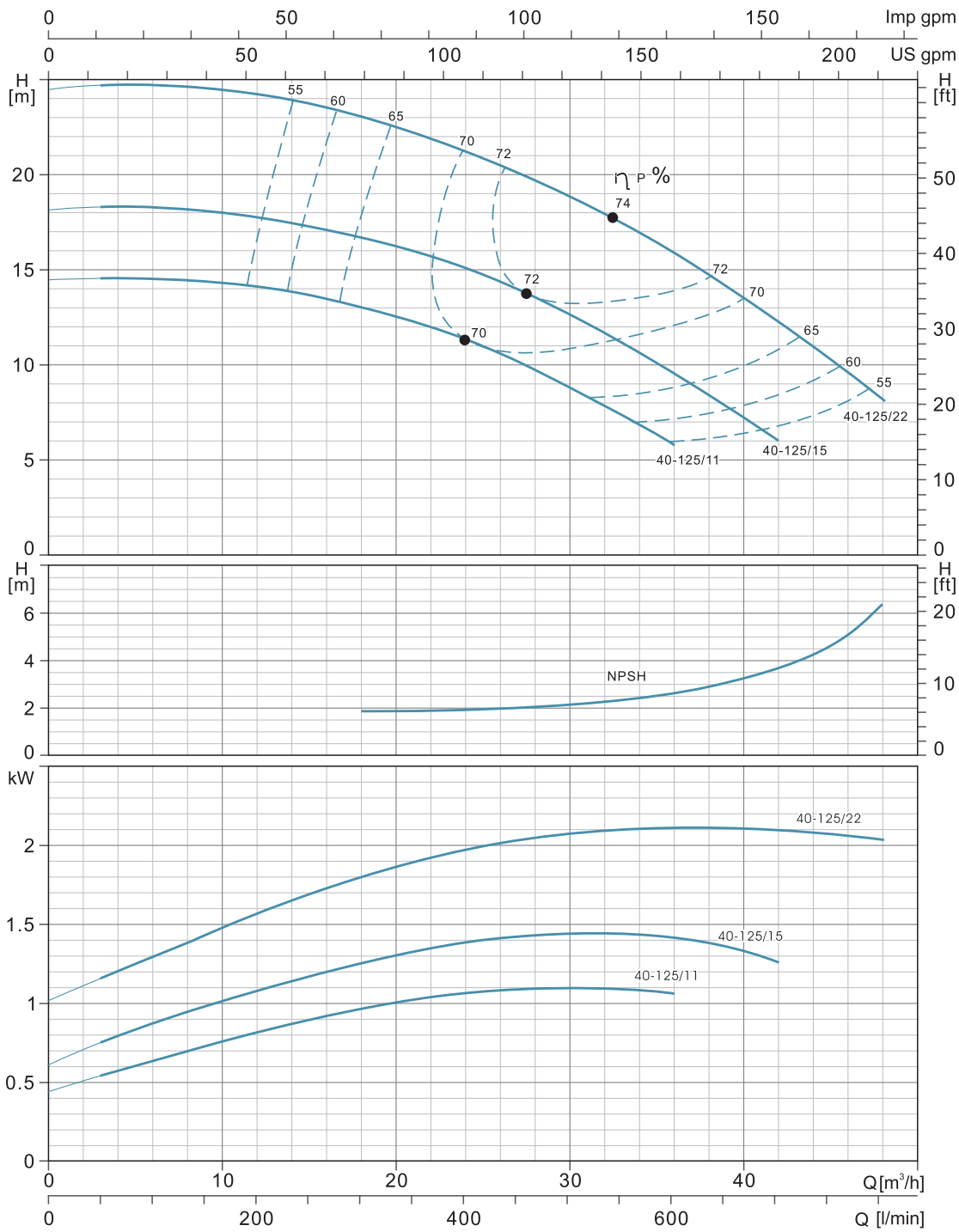
Hydraulic Performance Curves

XST32-250	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



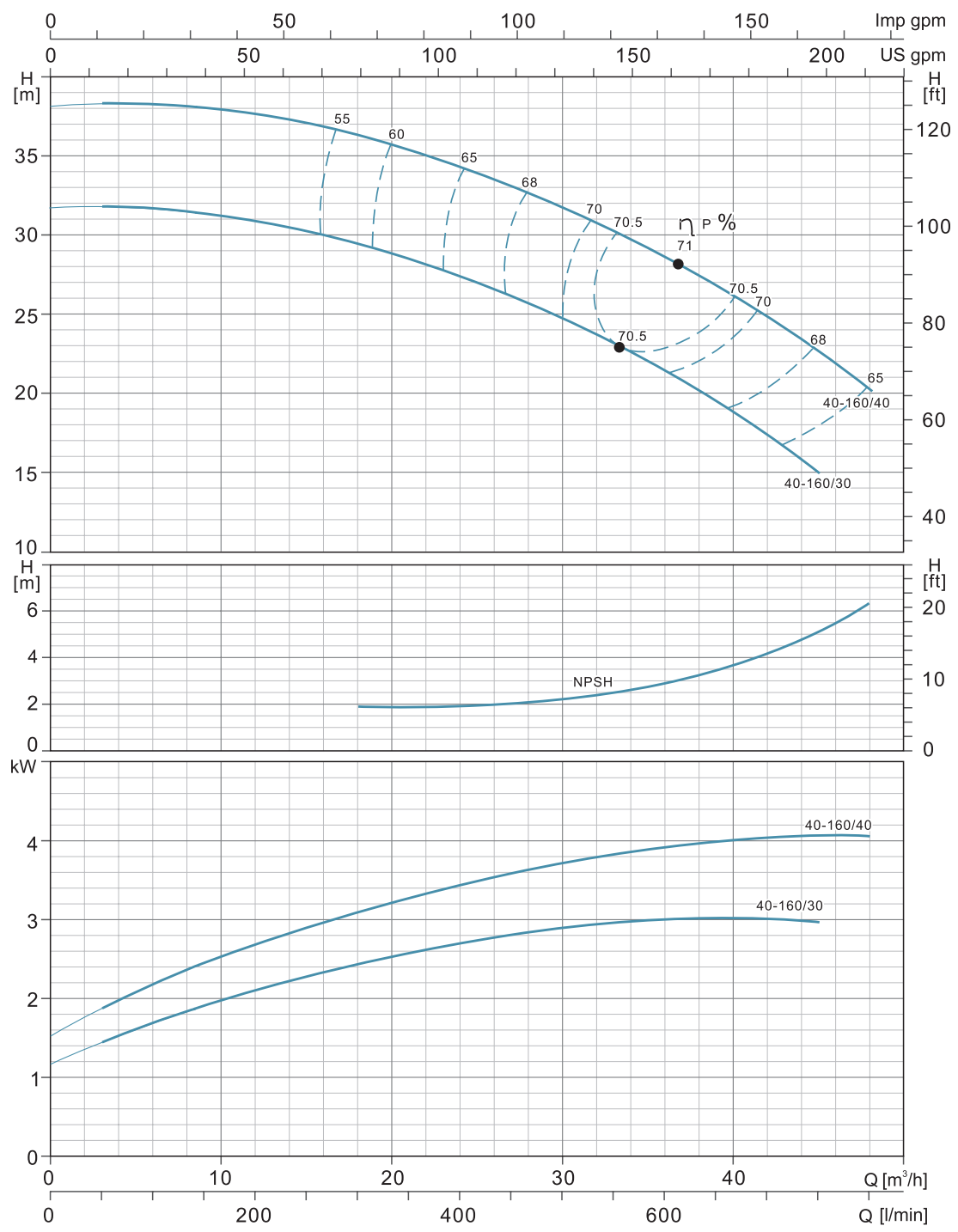
Hydraulic Performance Curves

XST40-125	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



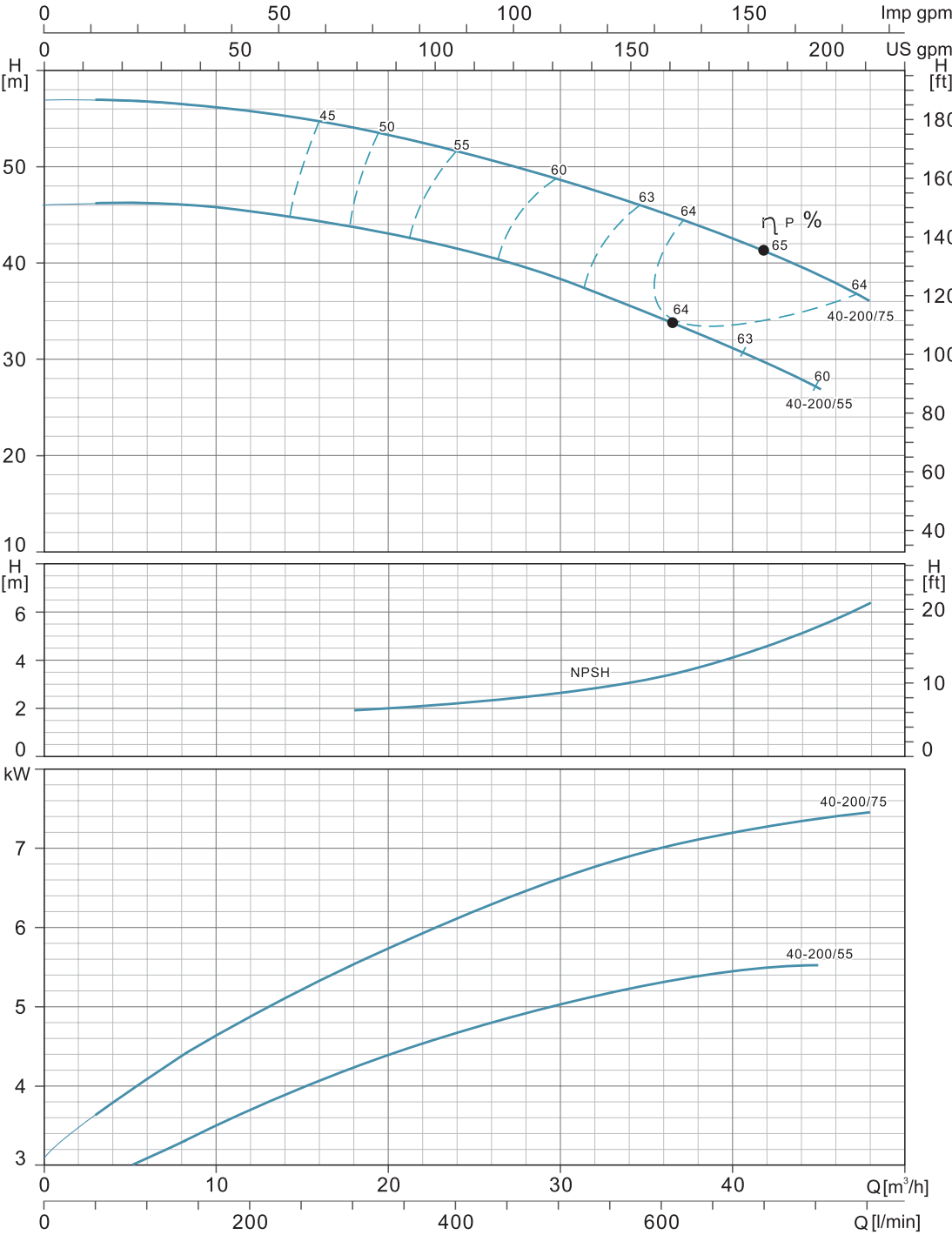
Hydraulic Performance Curves

XST40-160	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



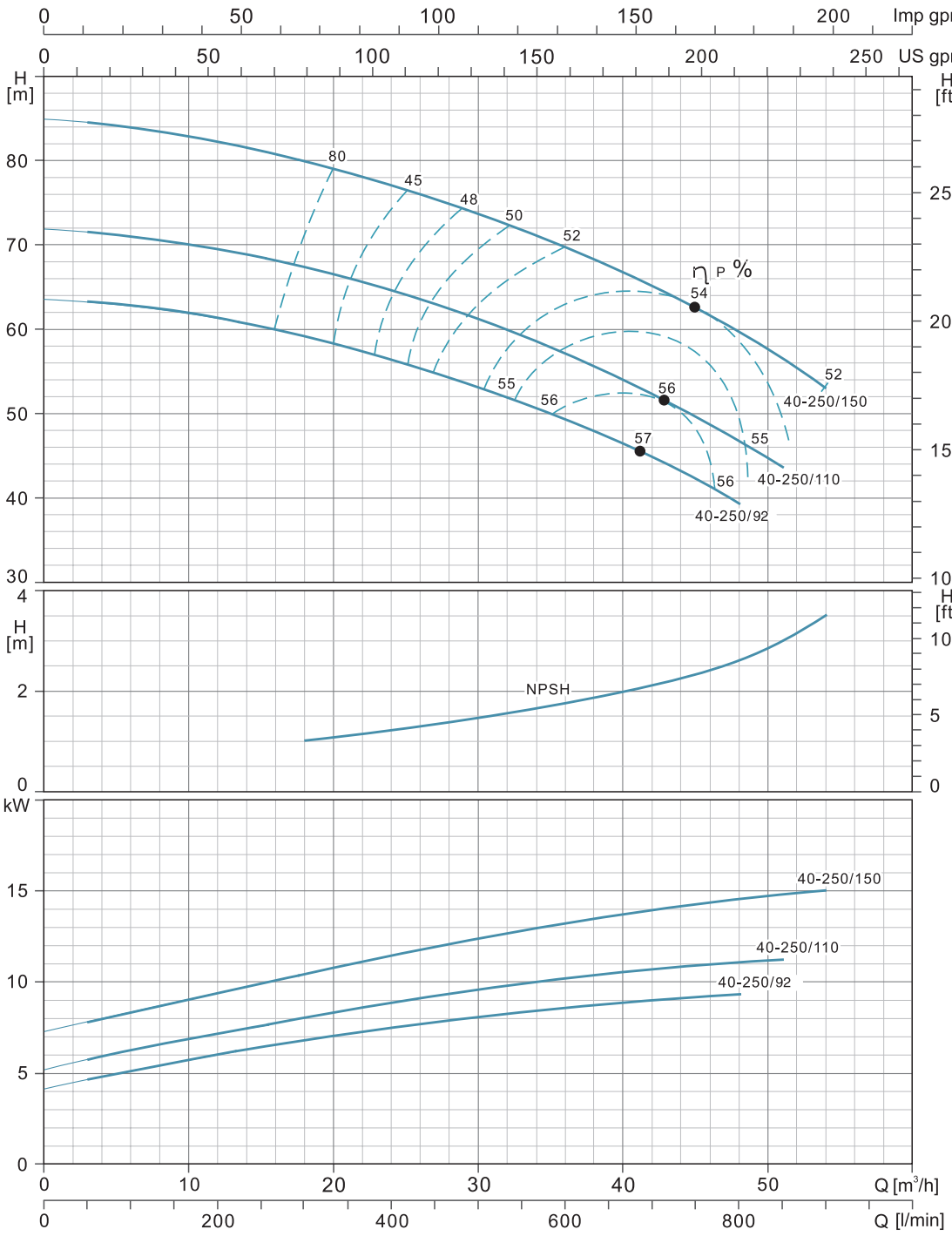
Hydraulic Performance Curves

XST40-200	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



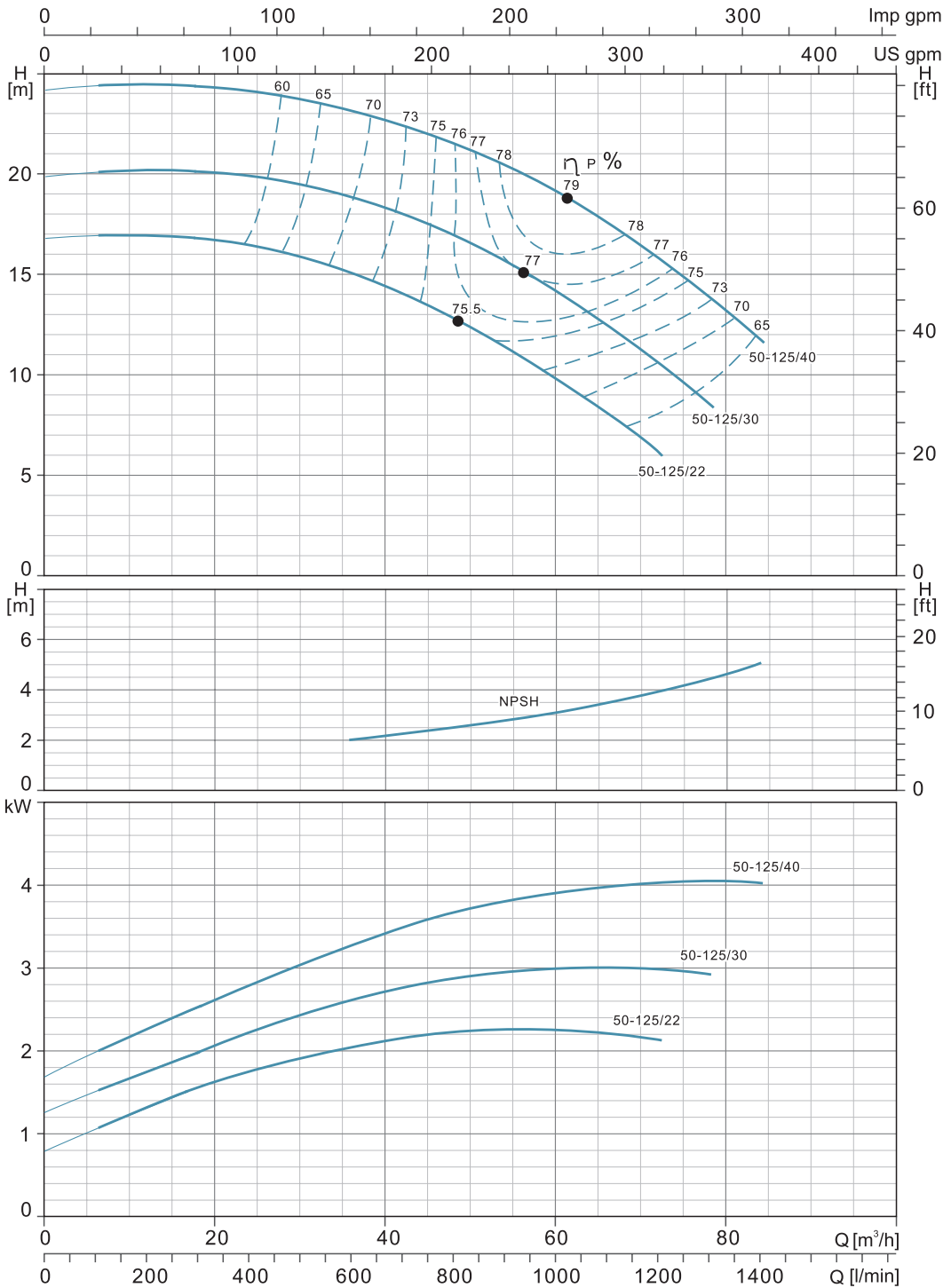
Hydraulic Performance Curves

XST40-250	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



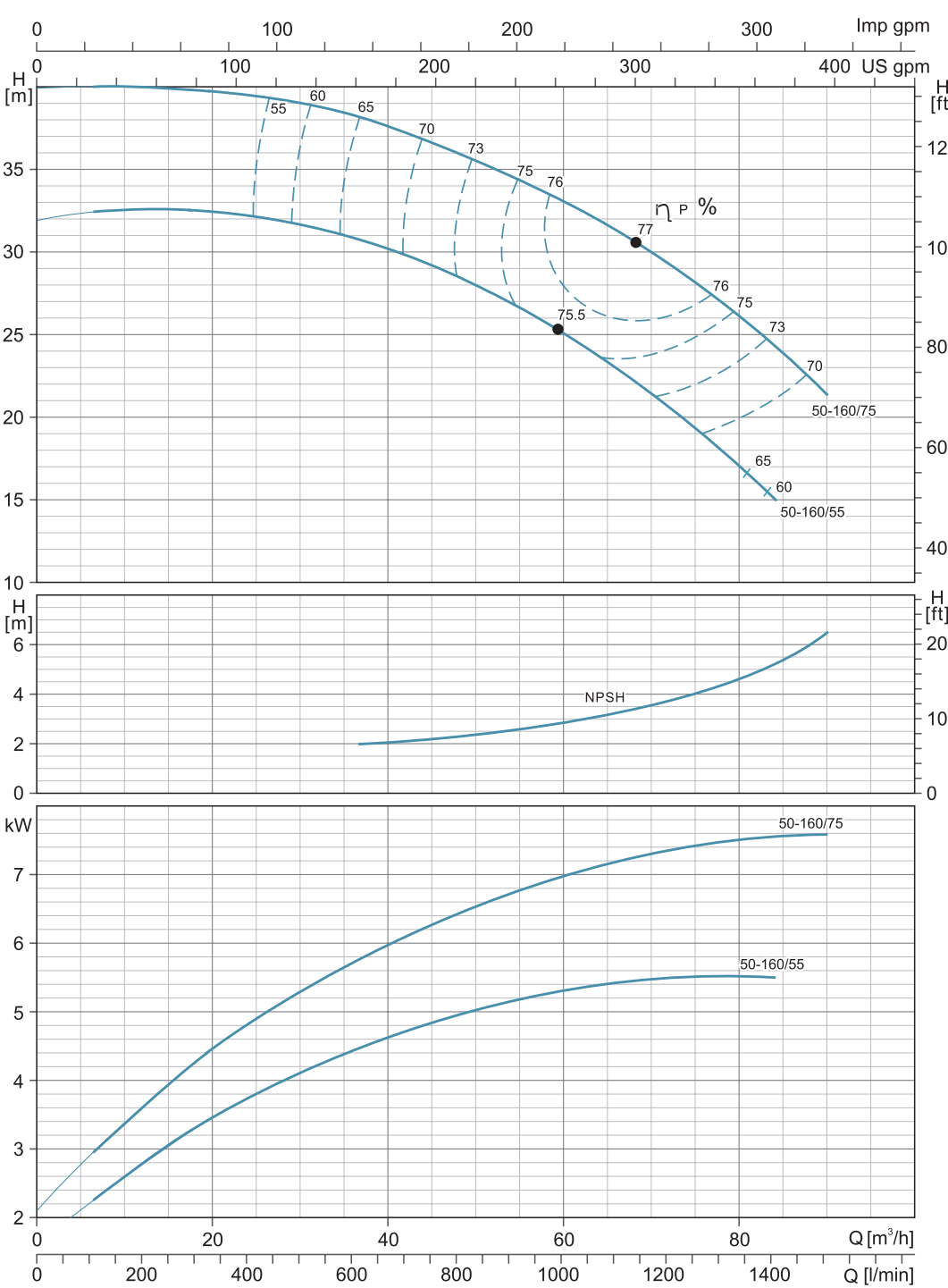
Hydraulic Performance Curves

XST50-125	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



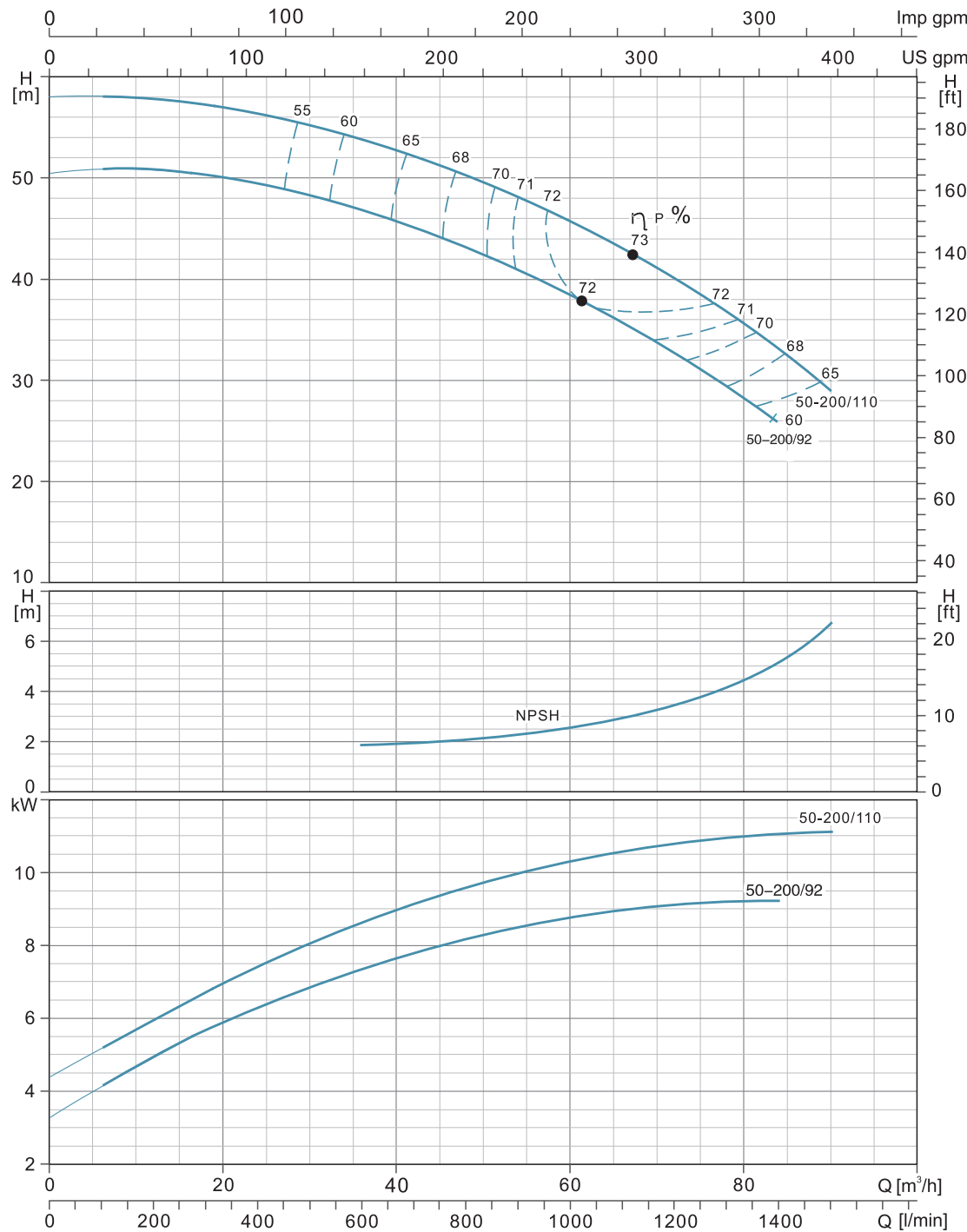
Hydraulic Performance Curves

XST50-160	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



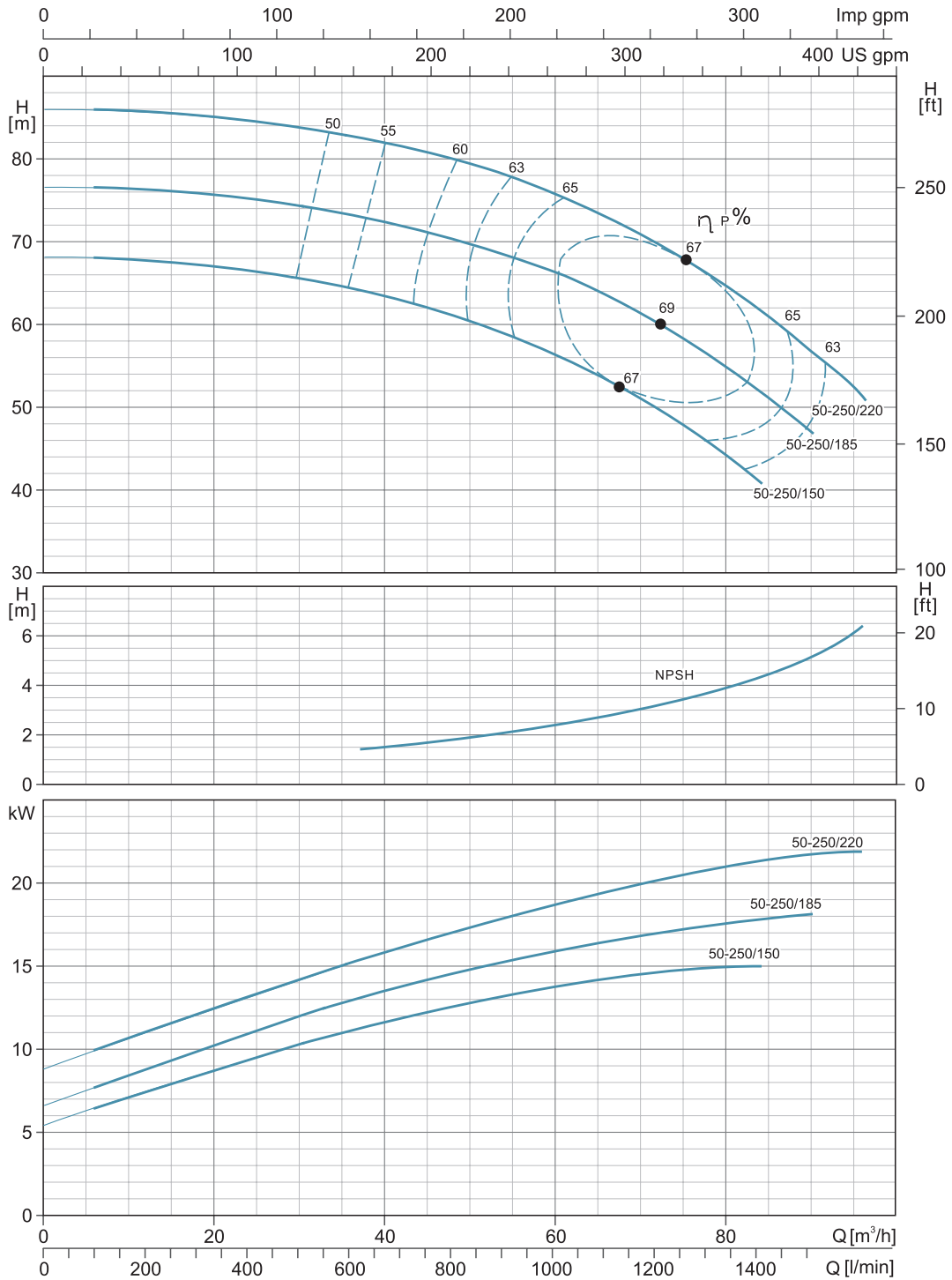
Hydraulic Performance Curves

XST50-200	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



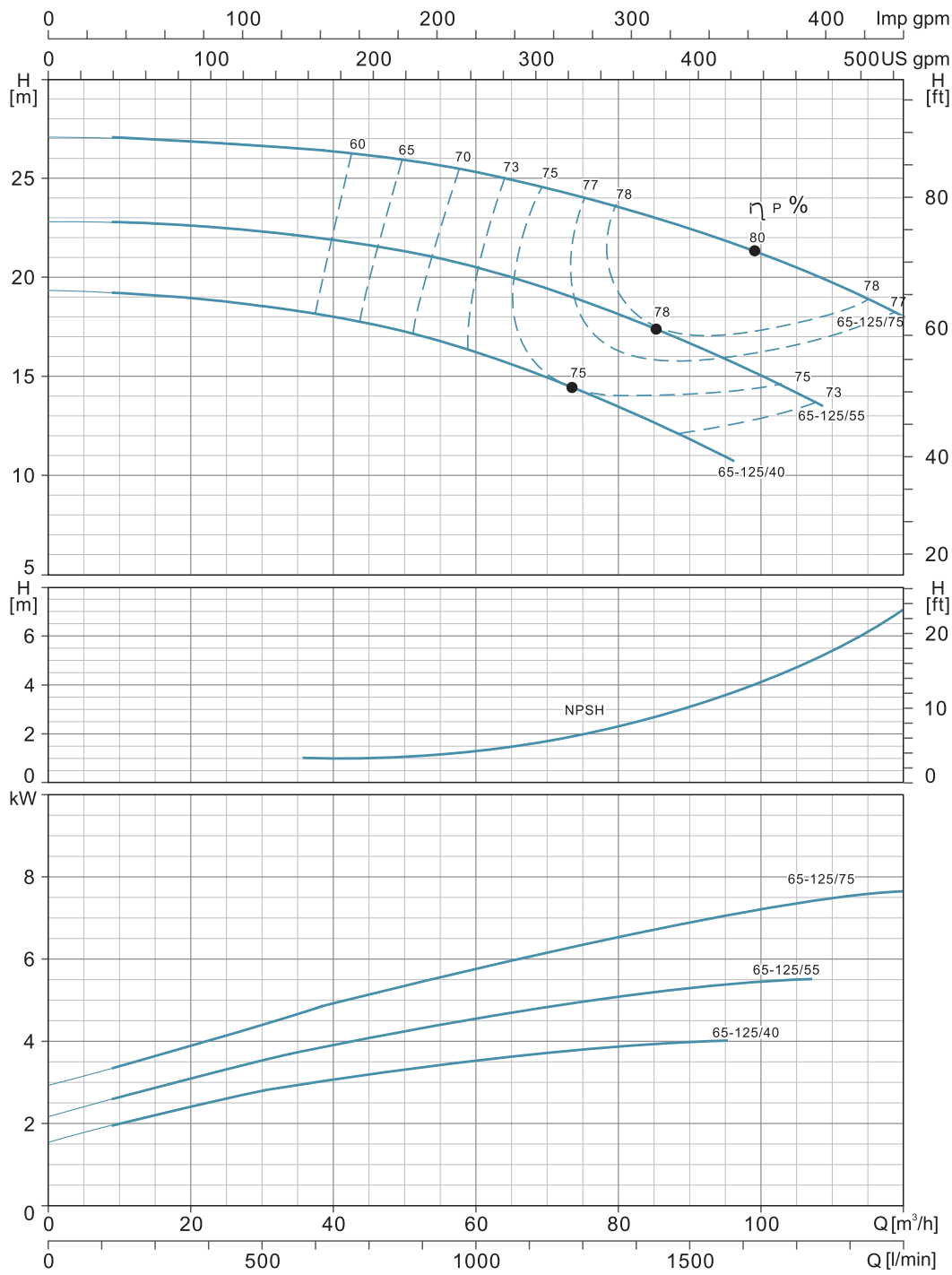
Hydraulic Performance Curves

XST50-250	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



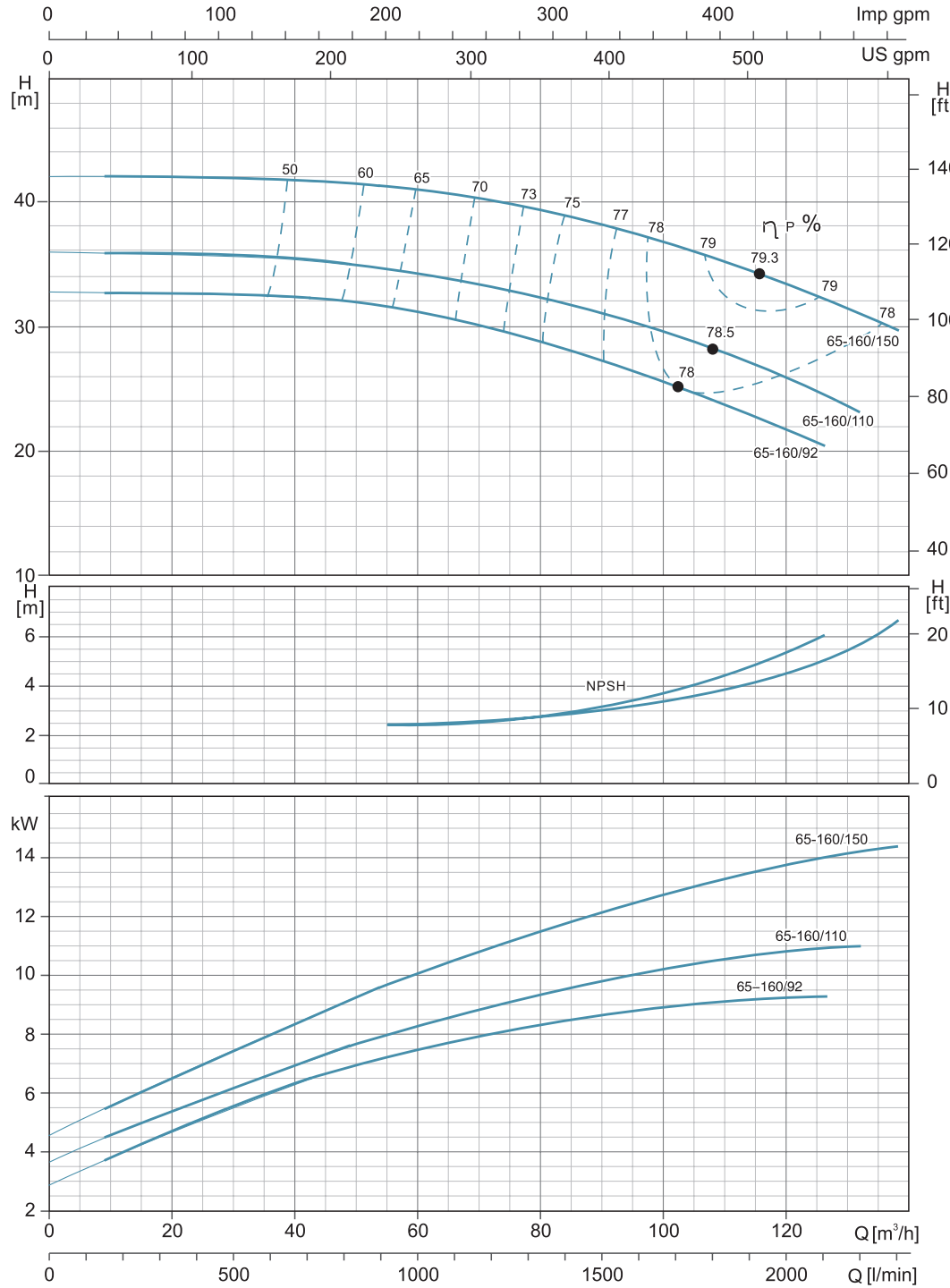
Hydraulic Performance Curves

XST65-125	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



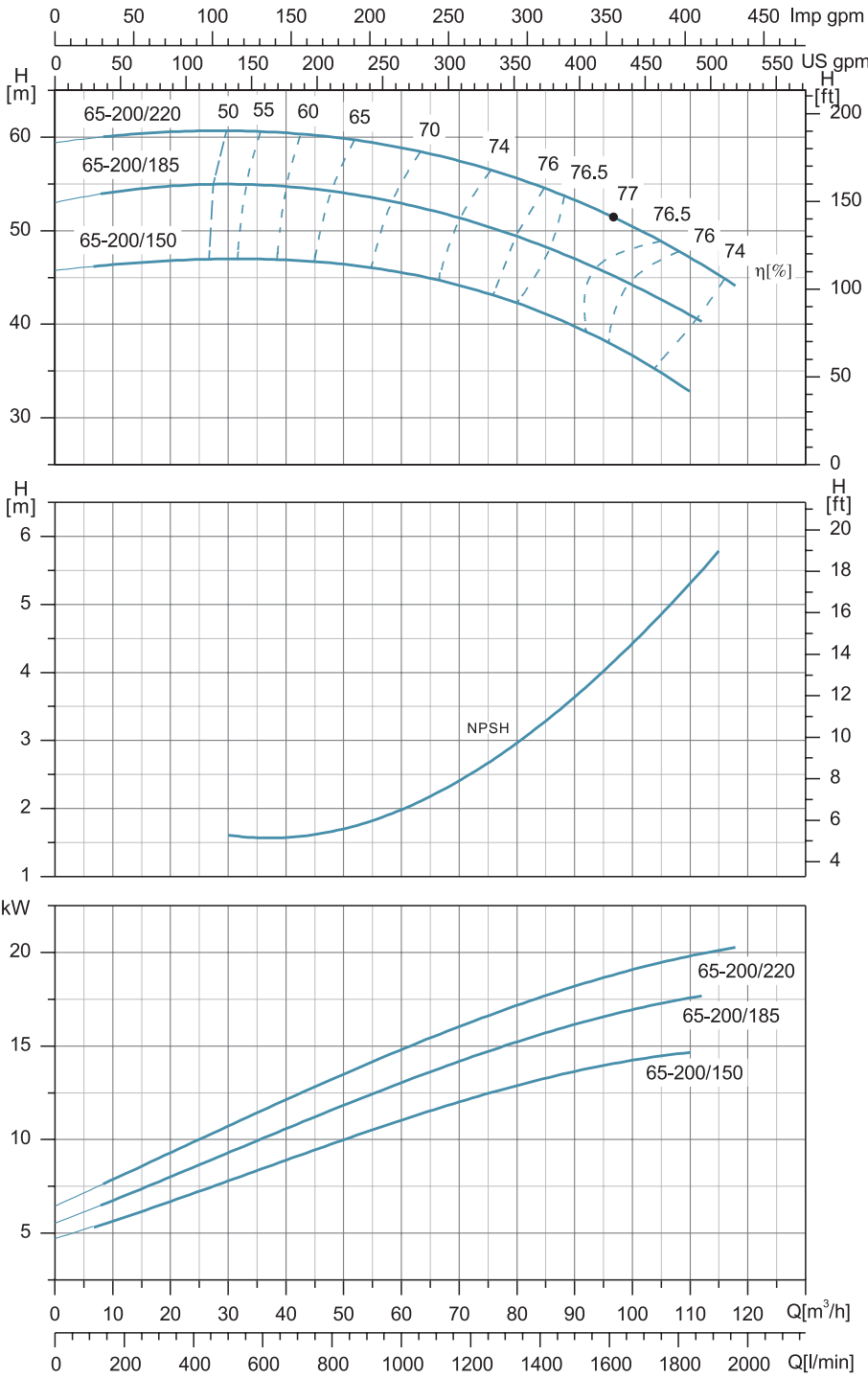
Hydraulic Performance Curves

XST65-160	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



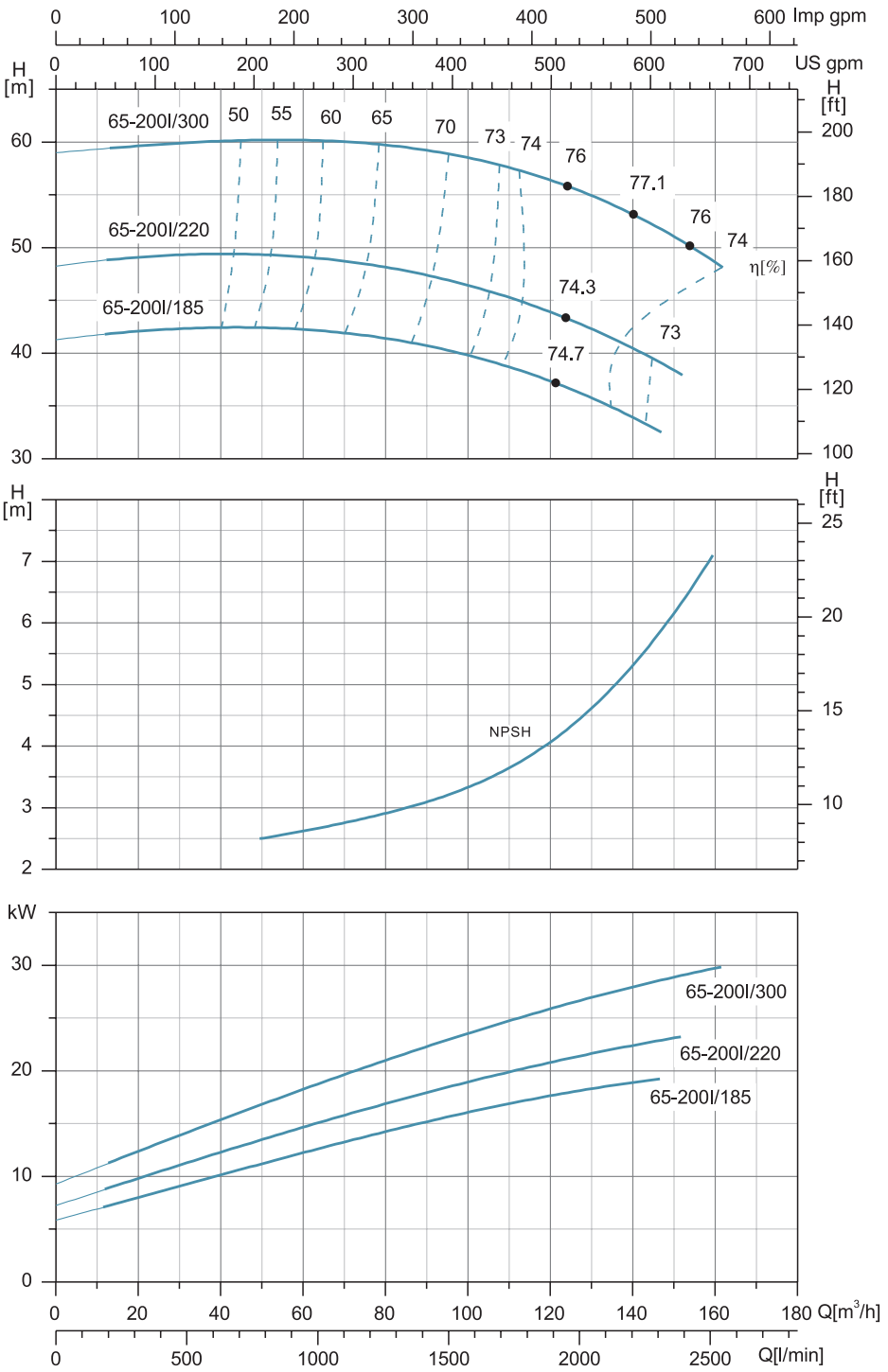
Hydraulic Performance Curves

XST65-200	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



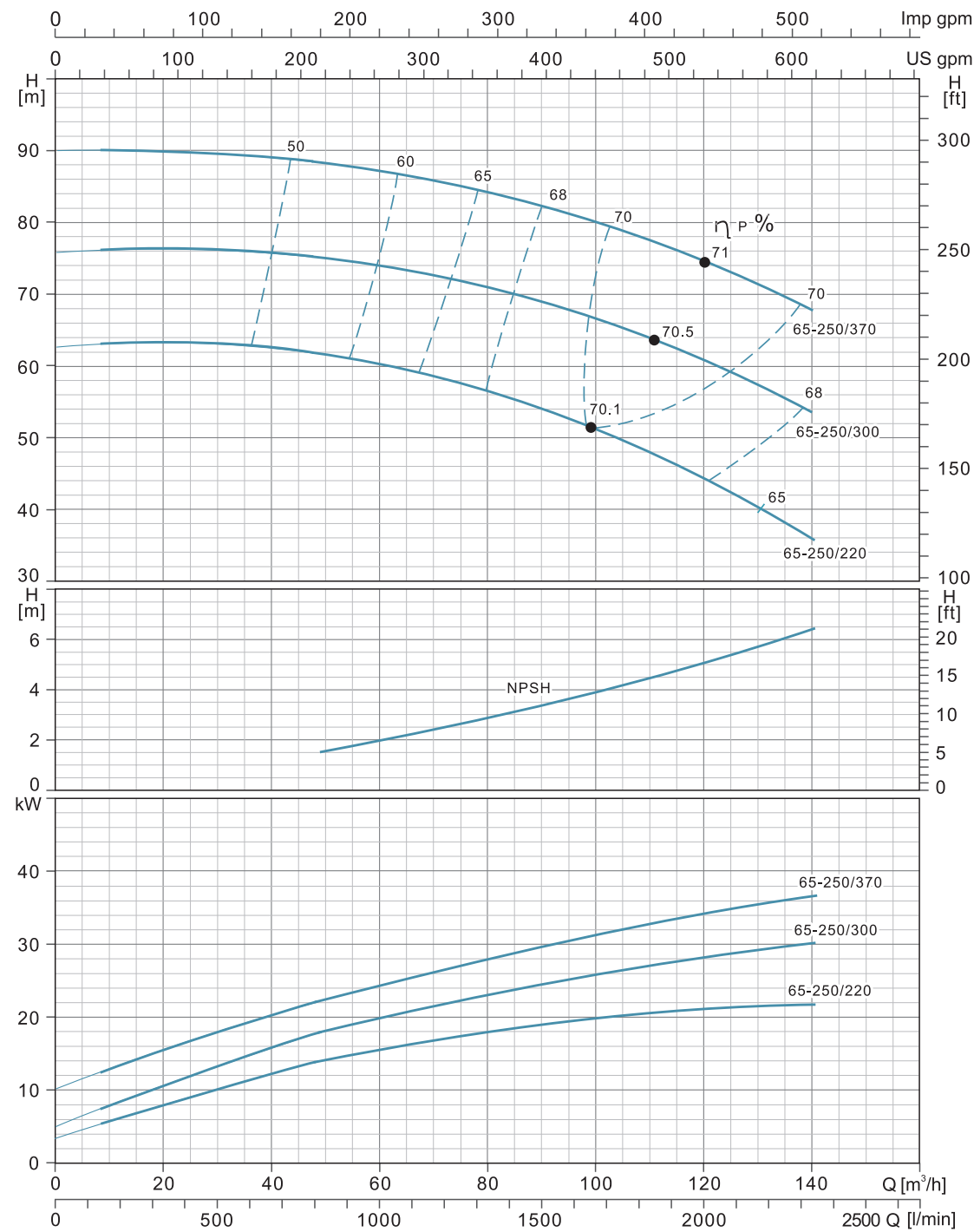
Hydraulic Performance Curves

XST65-200I	~2900rpm	ISO 9906 Annex A
------------	----------	------------------



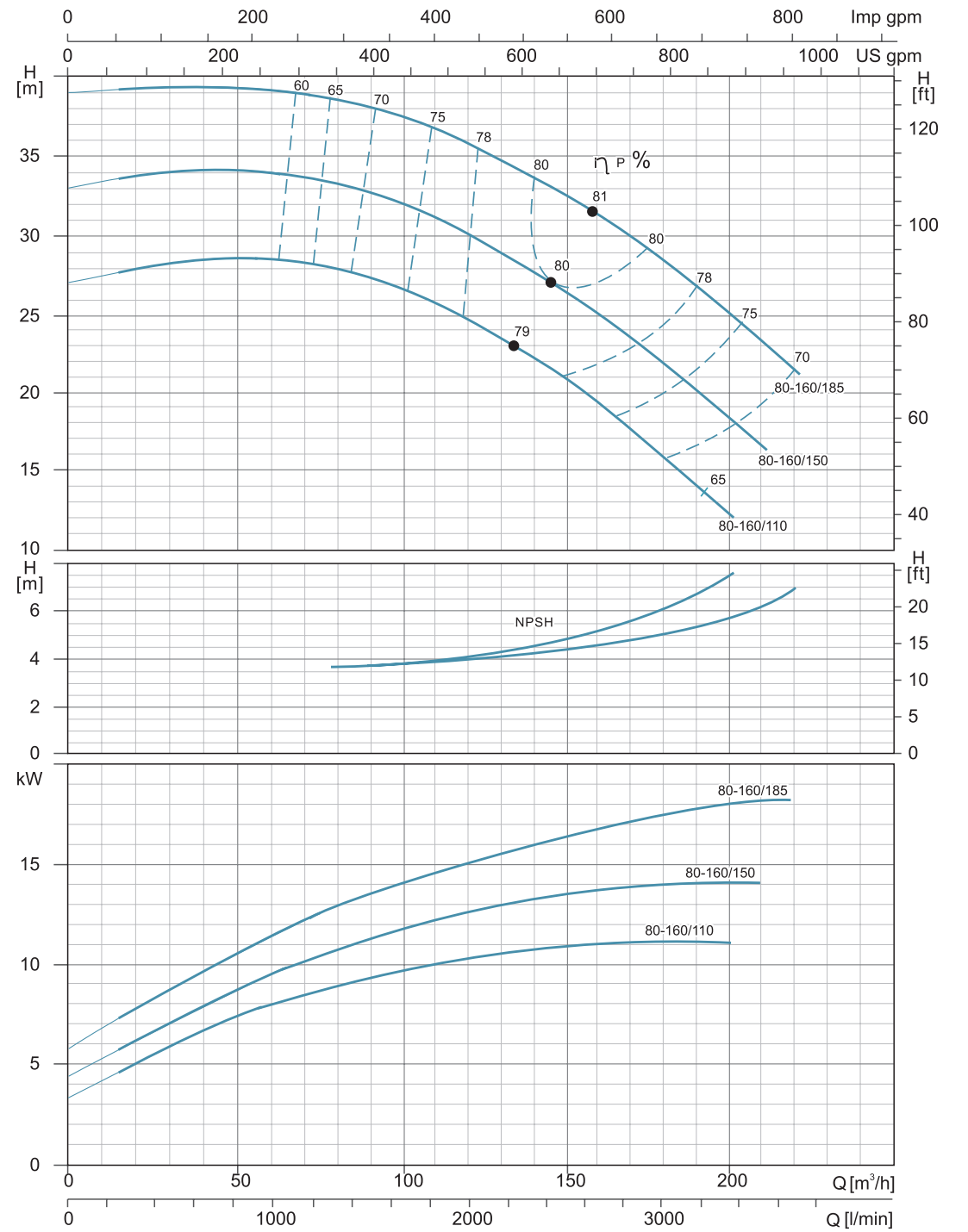
Hydraulic Performance Curves

XST65-250	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



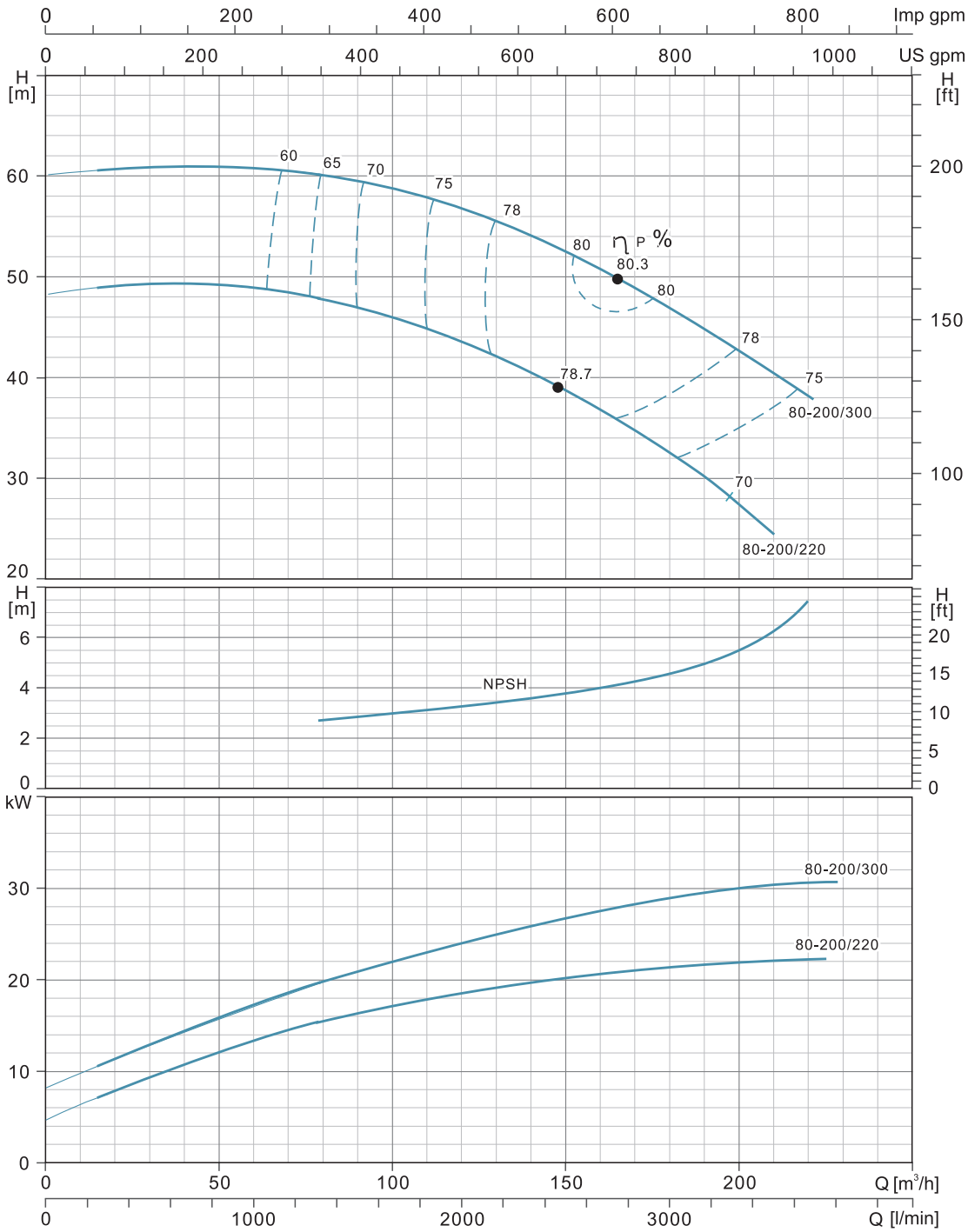
Hydraulic Performance Curves

XST80-160	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



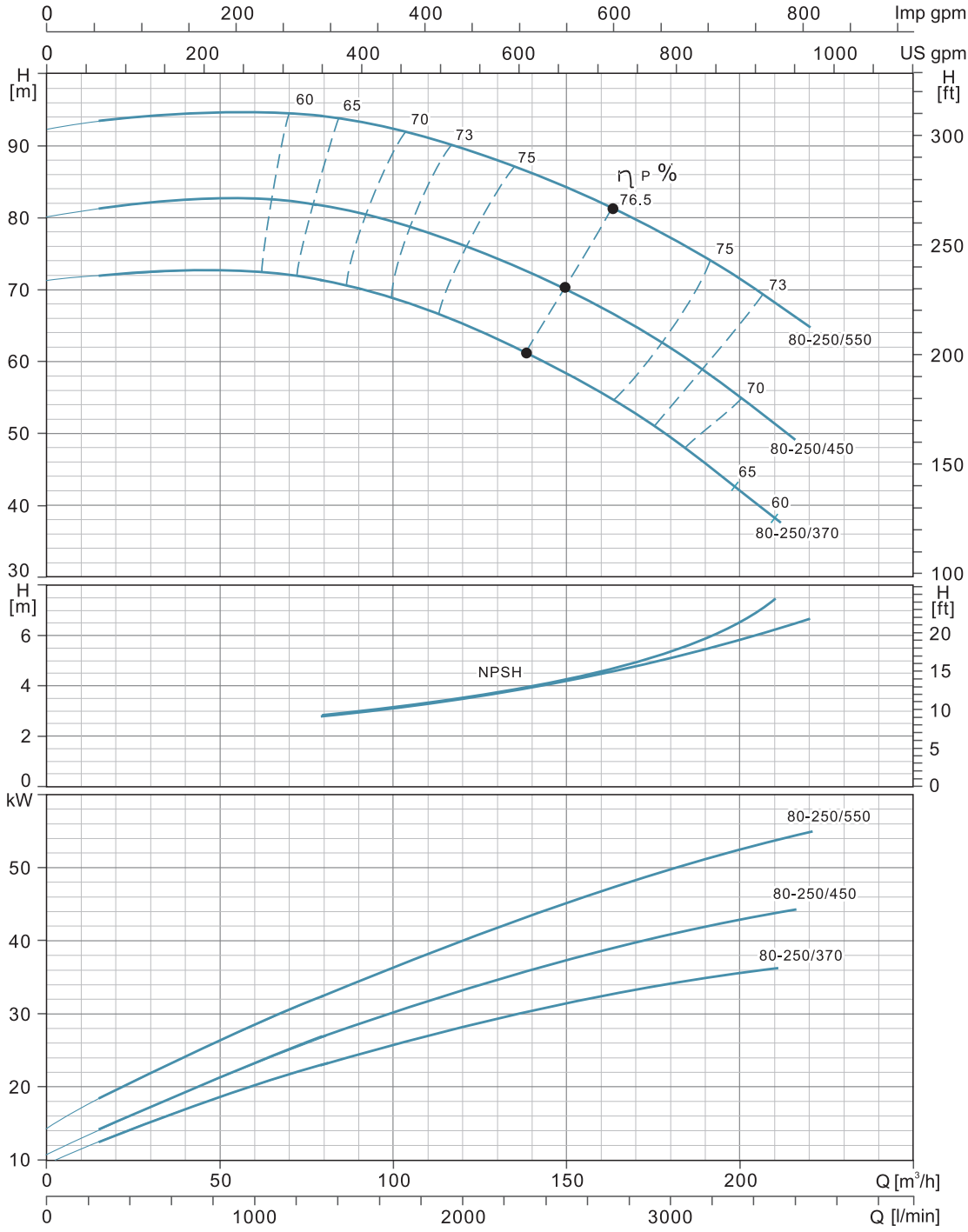
Hydraulic Performance Curves

XST80-200	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------

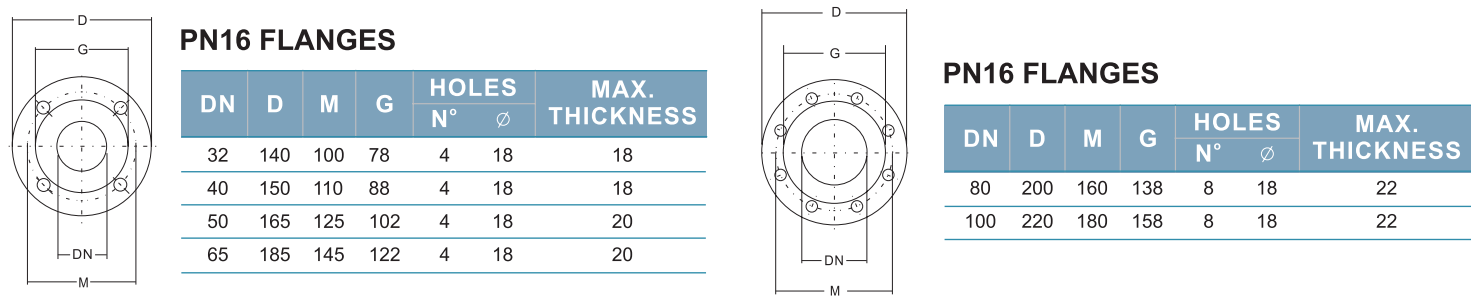


Hydraulic Performance Curves

XST80-250	~2900rpm	ISO 9906 Annex A
-----------	----------	------------------



Flange Dimensions

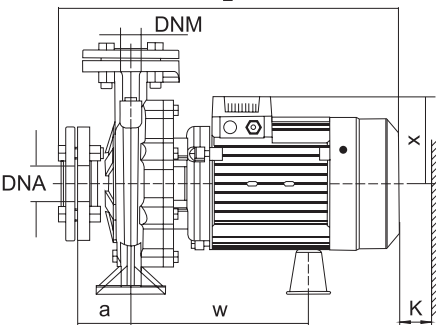
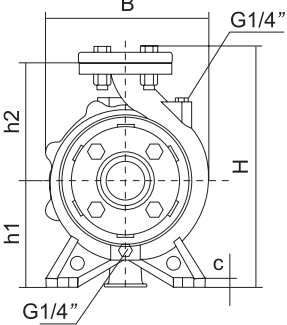
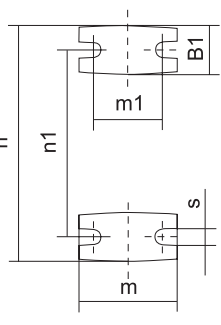


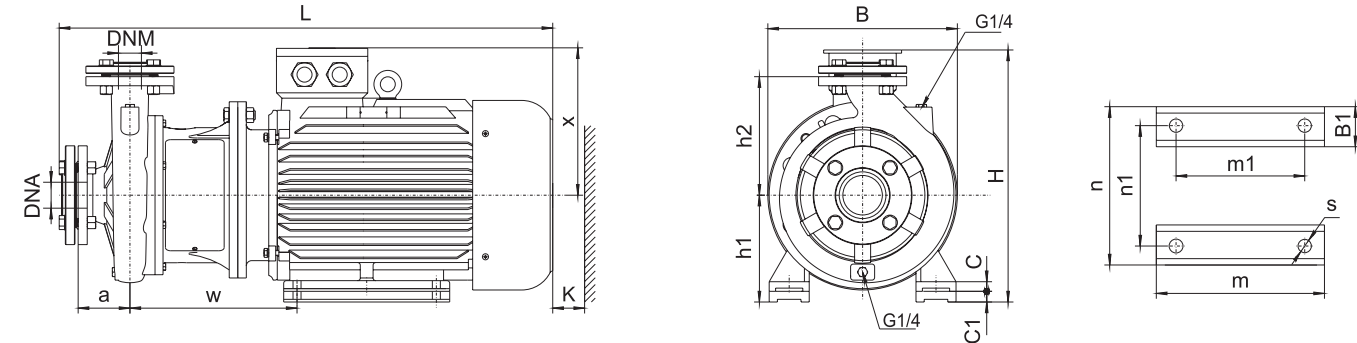
Installation Sketch

up to 7.5 kW included

Installation Sketch

From 7.5 kW

																																																								
PUMP TYPE	DNM	DNA	a	h2	w	x	B1	c	h1	m	m1	n	n1	s	B	H	L	K																																						
32-125/7	32	50	80	223	113	140	48	12	112	100	70	190	140	17	192	281	427	85																																						
32-125/11				231	122	160	50	16	132			240	190	14	240	320	430	95																																						
32-160/15				226	141																																																			
32-160/22				258	127	180	48	12																																																
32-160/30					155	264	180	198	60	15	160		272	212	17	308	386	610	640	60																																				
32-200/30																																																								
32-200/40																																																								
32-250/55																																																								
32-250/75																																																								
40-125/11	40	65	80	255	127	140	45	12	112	100	70	210	160	17	218	282	489	95																																						
40-125/15				238	127	168	48		132			240	190		249	330	494	105																																						
40-125/22																																																								
40-160/30																																																								
40-160/40					100	259	180	180	50	160	264	212	275		370	553	583																																							
40-200/55																																																								
40-200/75																																																								
50-125/22			50	65	100	262	127	160	50	12	132	100	70		240	190	17	243	322	518	110																																			
50-125/30	262	180				180	52	160	264		212			272	370	556		586																																						
50-125/40																																																								
50-160/55																																																								
50-160/75																																																								
65-125/40	65	80	100	265	180	180	68	14	160	125	95	280	212		283	372		564																																						
65-125/55																																																								
65-125/75																																																								



PUMP TYPE	DNM	DNA	a	h2	w	x	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K
40-250/92	40	65	100	310	260	225	65	20	20	180	260	210	320	254	14.5	350	440	845	110
40-250/110																			
40-250/150																			
50-200/992																			
50-200/110	50	65	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	120
50-250/150																			
50-250/185																			
50-250/220																			
65-160/92	65	80	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	125
65-160/110																			
65-160/150																			
65-200/150																			
65-200/185	65	80	100	310	260	225	70	25	-	180	304	254	355	279	14.5	355	440	895	110
65-200/220																			
65-200/300																			
65-250/220																			
65-250/300	80	100	125	315	260	225	65	20	-	160	260	210	320	254	14.5	355	440	895	120
65-250/370																			
80/160-110																			
80-160/150																			
80-160/185	80	100	125	315	260	225	65	20	-	160	260	210	320	254	14.5	355	440	895	120
80-200/220																			
80-200/300																			
80-250/370																			
80-150/450	80	100	125	315	260	225	65	20	-	160	260	210	320	254	14.5	355	440	895	120
80-250/550																			
80-150/450																			
80-250/550																			