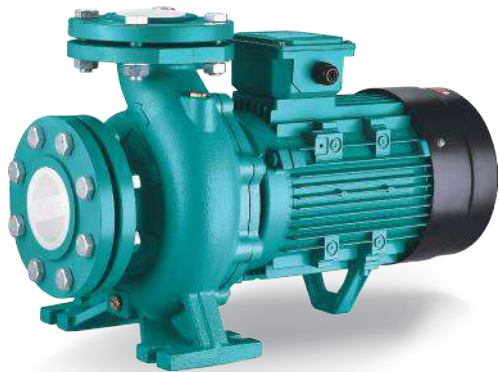
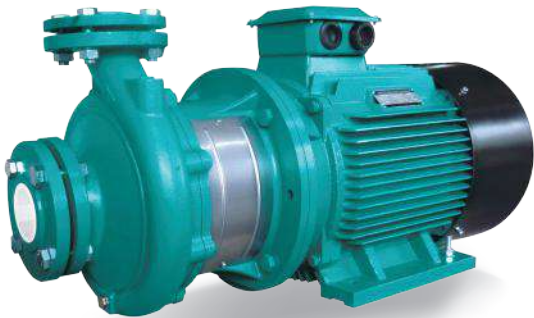




0.75kw~7.5kw



9.2kw~55kw

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 to 85
- 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

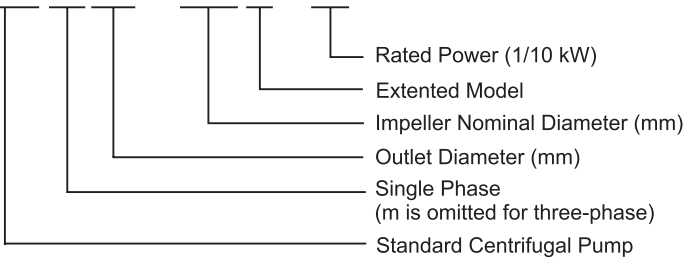
- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max.ambient temperature: +40
- Overload protection
- For model that ≥9.2kw: Equipped with IE2 motor, IE3 motor available on request.
- For model that ≤7.5kw, the following 4 models can equipped with IE3 motor.
- (XST40-160/30、XST40-160/40、XST50-160/55、XST50-160/75)

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, motor can be extracted without disconnecting the pump body from the pipes)

Identification Codes

XST m 32 - 125 K / 11



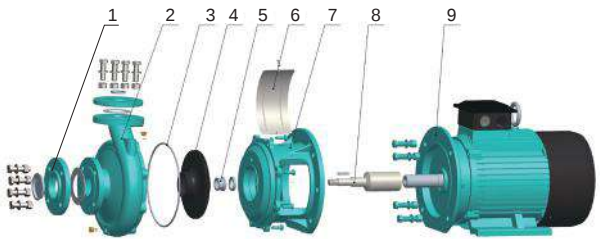
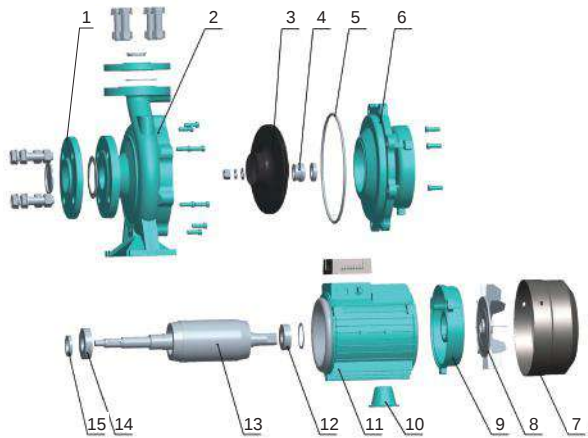
Materials Table

0.75kw~7.5kw

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Impeller	HT200 , AISI304
4	Mechanical seal	Carbon/Silicon carbide
5	O-ring	NBR
6	Pump support	HT200
7	Fan cover	08F
8	Fan	PP
9	Rear cover	ZL102
10	Support	HT200
11	Stator	
12	Bearing	
13	Rotor	
14	Bearing	
15	Oil seal	

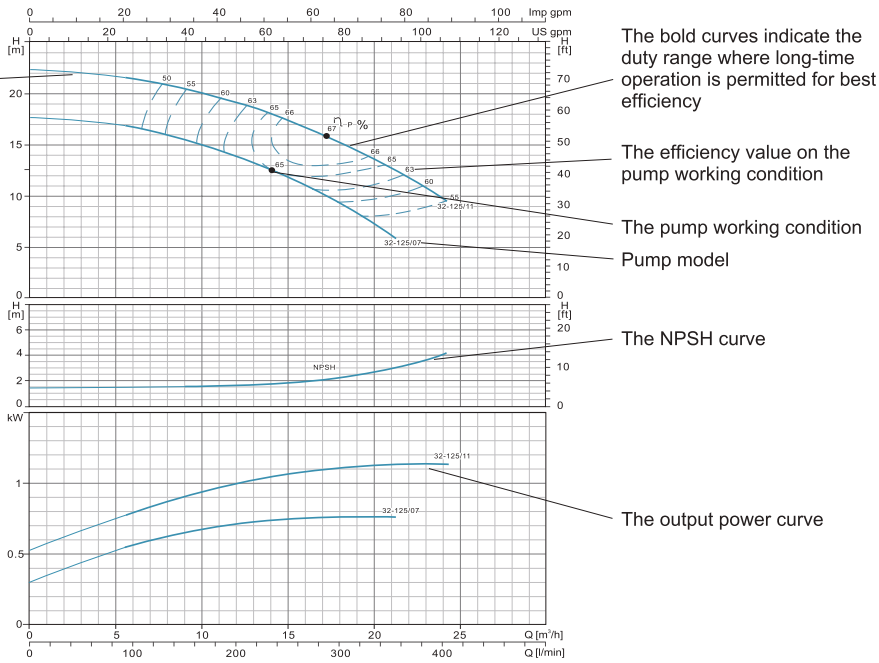
9.2kw~55kw

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	O-ring	NBR
4	Impeller	HT200 , AISI304
5	Mechanical seal	Carbon/Silicon carbide
6	Guarding plate	06Cr19Ni10
7	Pump support	HT200
8	Pump shaft	45/06Cr19Ni10
9	Motor	



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 and kinematic viscosity of 1 mm²/s. To avoid overheating of the motor, the pump should not be use against a high head for a long time.

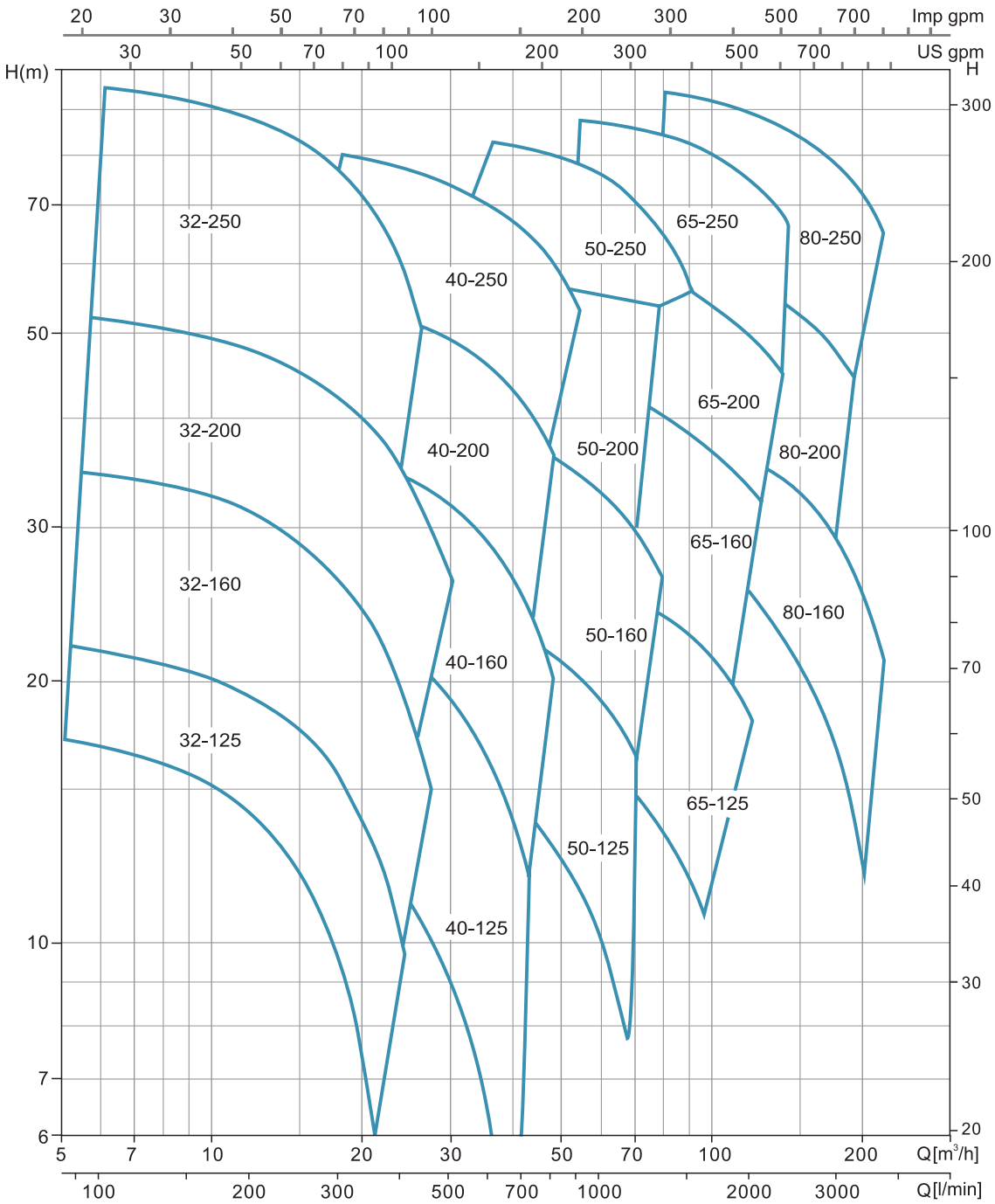
Technical Data

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
32-125/7*△	0.75	1	H (m)	17.5	16.7	15	12	9														
32-125/11*△	1.1	1.5		22	21	20.2	17	15	9													
32-160/15*△	1.5	2		24	23.7	22.5	19.5	16.2														
32-160/22*△	2.2	3		31	29.6	29	25.5	22.5	15													
32-160/30*△	3	4		34.5	33.5	33	29	26.5	20	16.5												
32-200/30*	3	4		43.2	42	40.5	35.2	32.2	24.6	19.8												
32-200/40*	4	5.5		52	50.5	50	45	41.9	35	30.3												
32-250/55**	5.5	7.5		79	74.7	71.8	63	56	37.5													
32-250/75**	7.5	10		95	92	89	82	75	57.8													
40-125/11△	1.1	1.5		14.7				13	11.5	10.1												
40-125/15△	1.5	2		18.1				17	15	13.9												
40-125/22△	2.2	3		24.5				23.2	21.5	20.2	16	12										
40-160/30	3	4		31.8				29	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		44				42	40	38	32	27										
40-200/75*	7.5	10		55				52	49	48	42	37	32									
40-250/92*	11	15		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		82				79	77.3	76.5	71	66	60.5									
50-125/22△	2.2	3		17							15.4	14	12.8	11.5								
50-125/30	3	4		20							18.8	18	17	15.6								
50-125/40	4	5.5		24							23.1	22.6	21.5	20.3	15.8							
50-160/55	5.5	7.5		32							30.6	30	28	26.6	20.5							
50-160/75	7.5	10		40							38	37	36	34.4	29							
50-200/92*	11	15		50.5							46.8	45	43	40.9	32.5							
50-200/110*	11	15		57.5							53.5	52	50	47.5	40							
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						
50-250/220*	22	30		86.3							83	81.5	80	78	70	61						
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	11	15		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			
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			
65-200K/185	18.5	25		41.2											42	41.2	40.6	38.2	36.5	34		
65-200K/220	22	30		48												48	47.5	46	44	41		
65-200K/300	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	70	69	64	61	54		
65-250/370	37	50	90											88	86	84	82	78	74	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	22.1	
80-160/185	18.5	25	39														38	36.8	35.7	33.8	28.8	
80-200/220	22	30	48														47.5	46	43.5	41	32.5	
80-200/300	30	40	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	60	82														80.5	78.5	76.5	72	62	
80-250/550	55	75	95														93.5	91.2	89.8	86.8	77.6	

* =AISI304 impeller ** =Double AISI304 impeller
Models marked with " " have both single phase and three phase type, other models only have three phase type

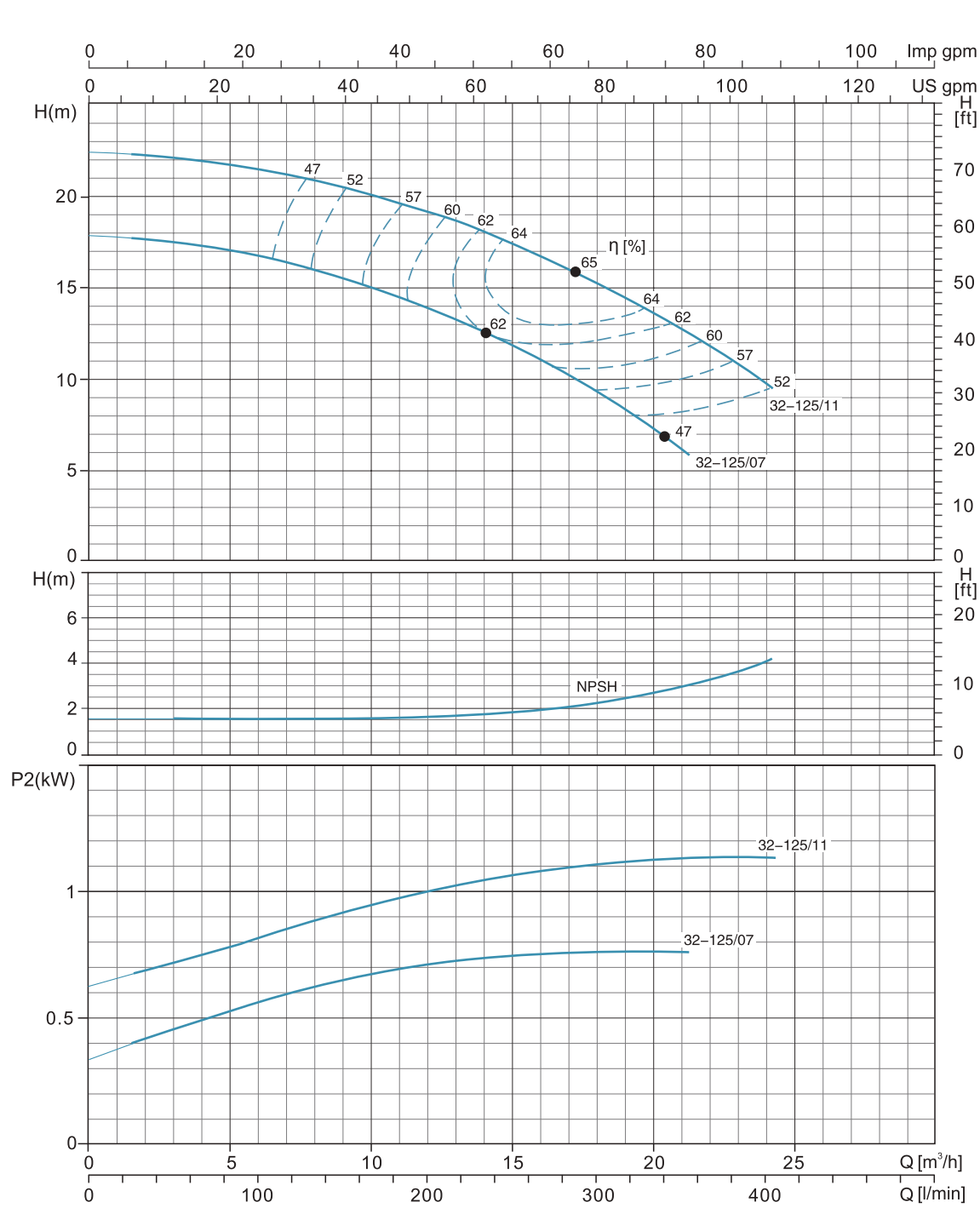
Characteristic Curves

XST	~2900rpm	ISO 9906 Annex A
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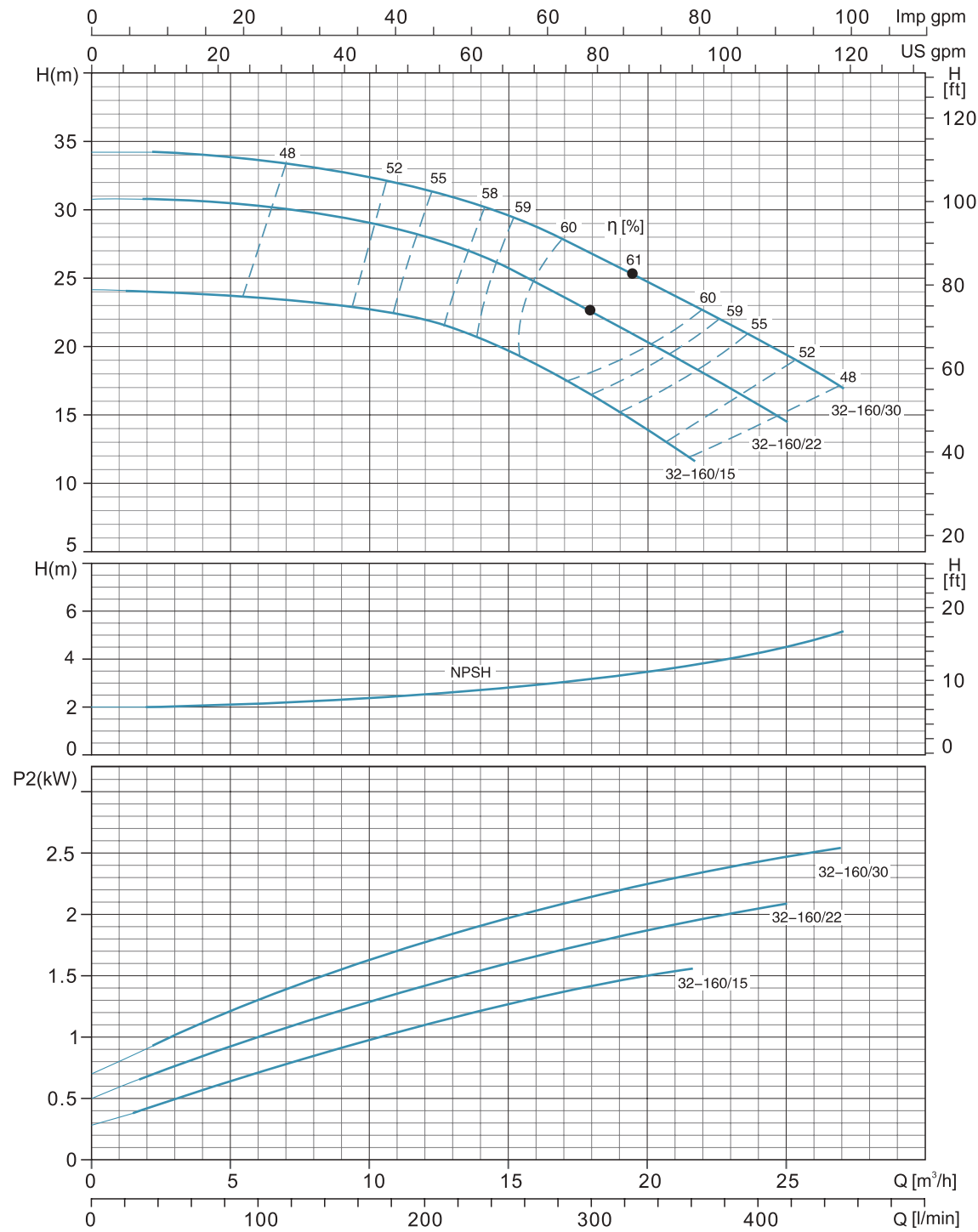
Hydraulic Performance Curves

XST(m)32-125	~2900rpm	ISO 9906 Annex A
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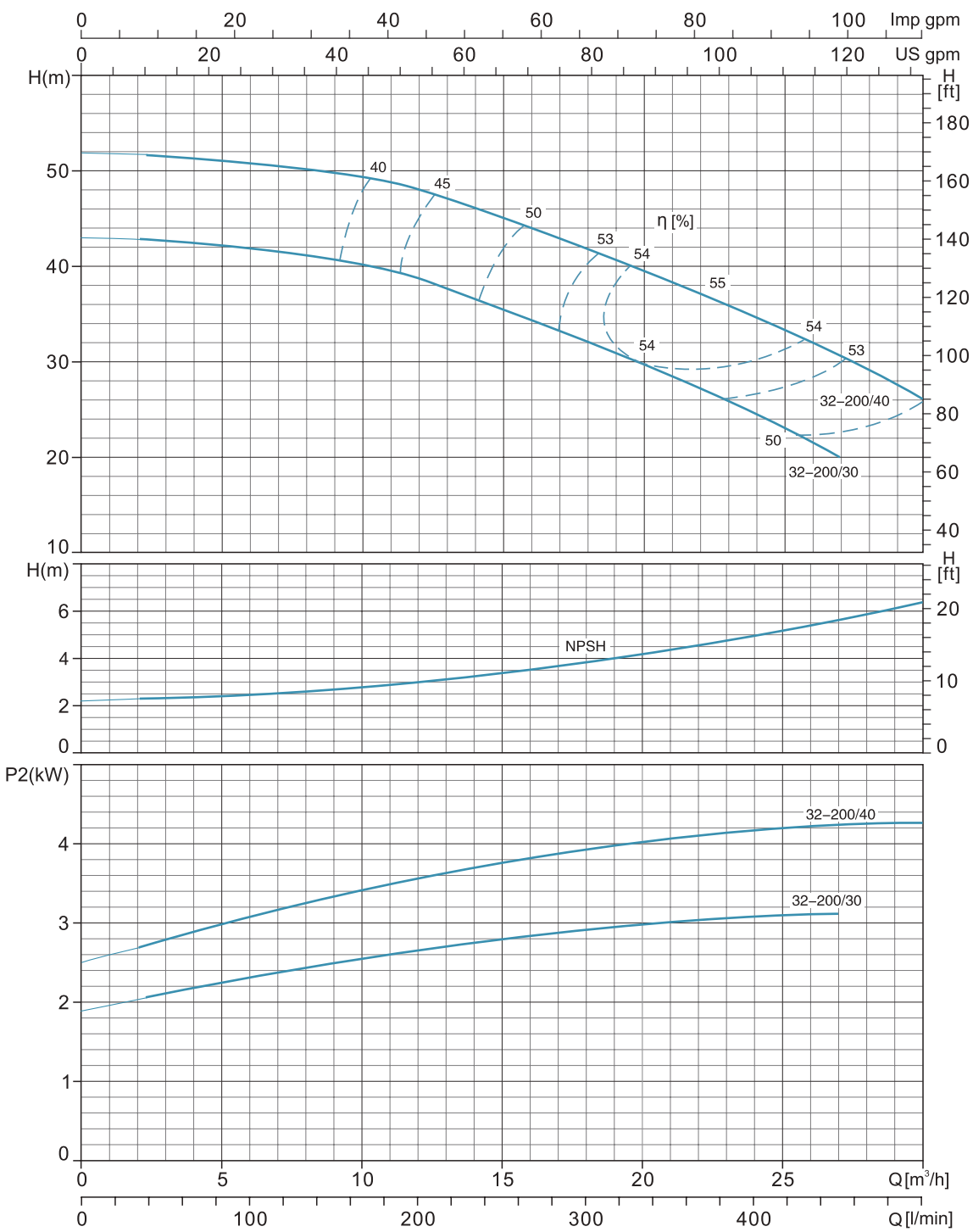
Hydraulic Performance Curves

XST(m)32-160	~2900rpm	ISO 9906 Annex A
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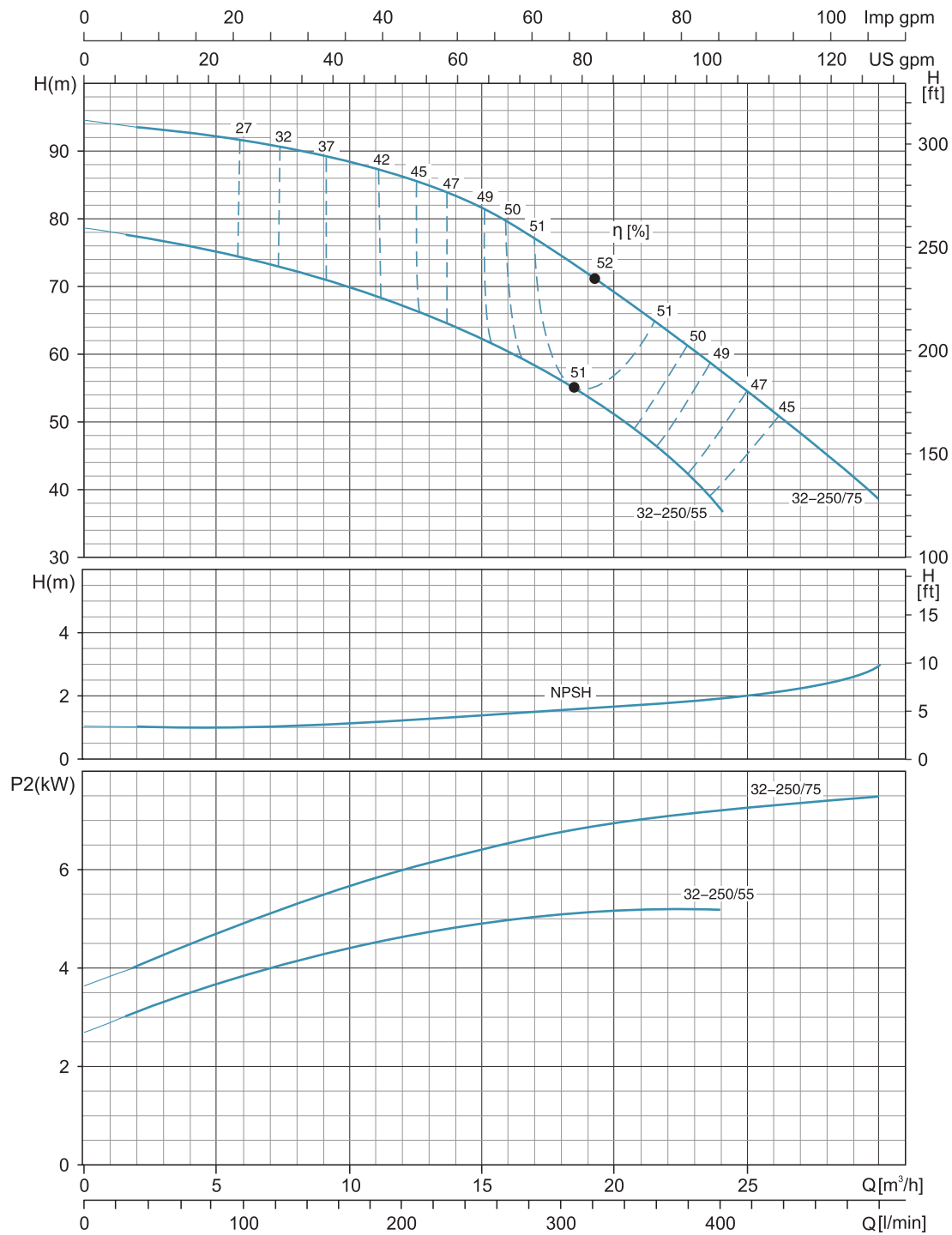
Hydraulic Performance Curves

XST32-200	~2900rpm	ISO 9906 Annex A
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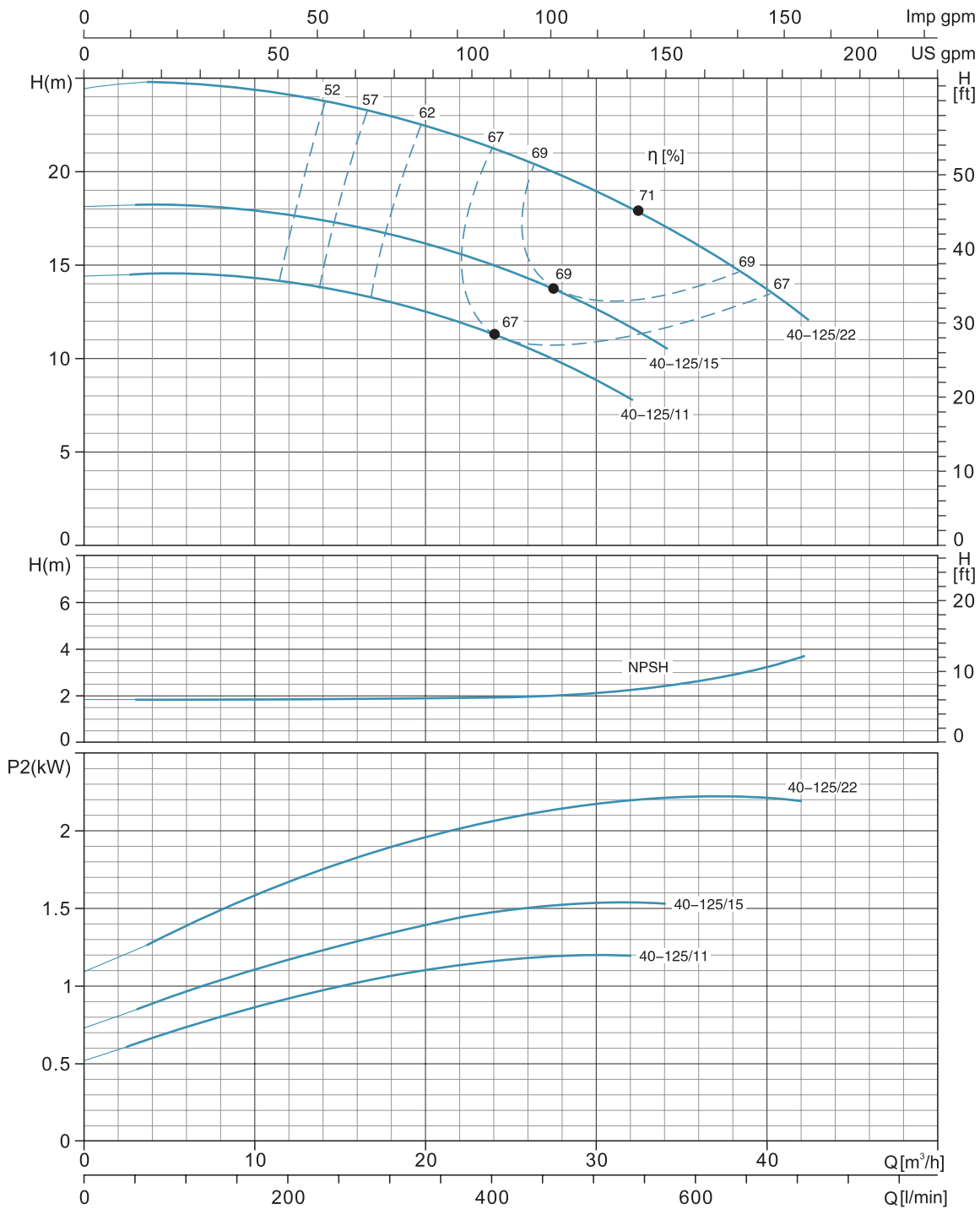
Hydraulic Performance Curves

XST32-250	~2900rpm	ISO 9906 Annex A
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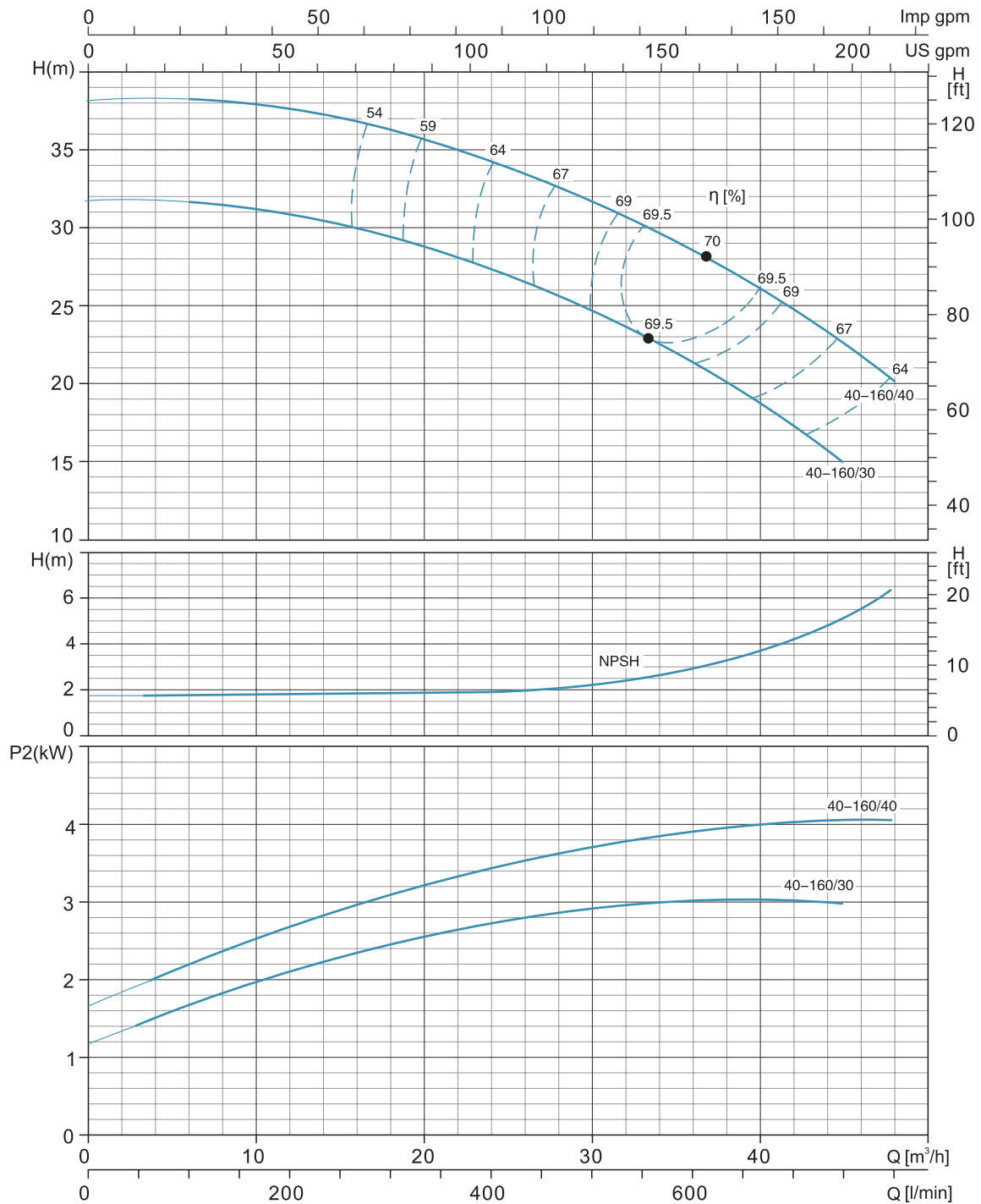
Hydraulic Performance Curves

XST(m)40-125	~2900rpm	ISO 9906 Annex A
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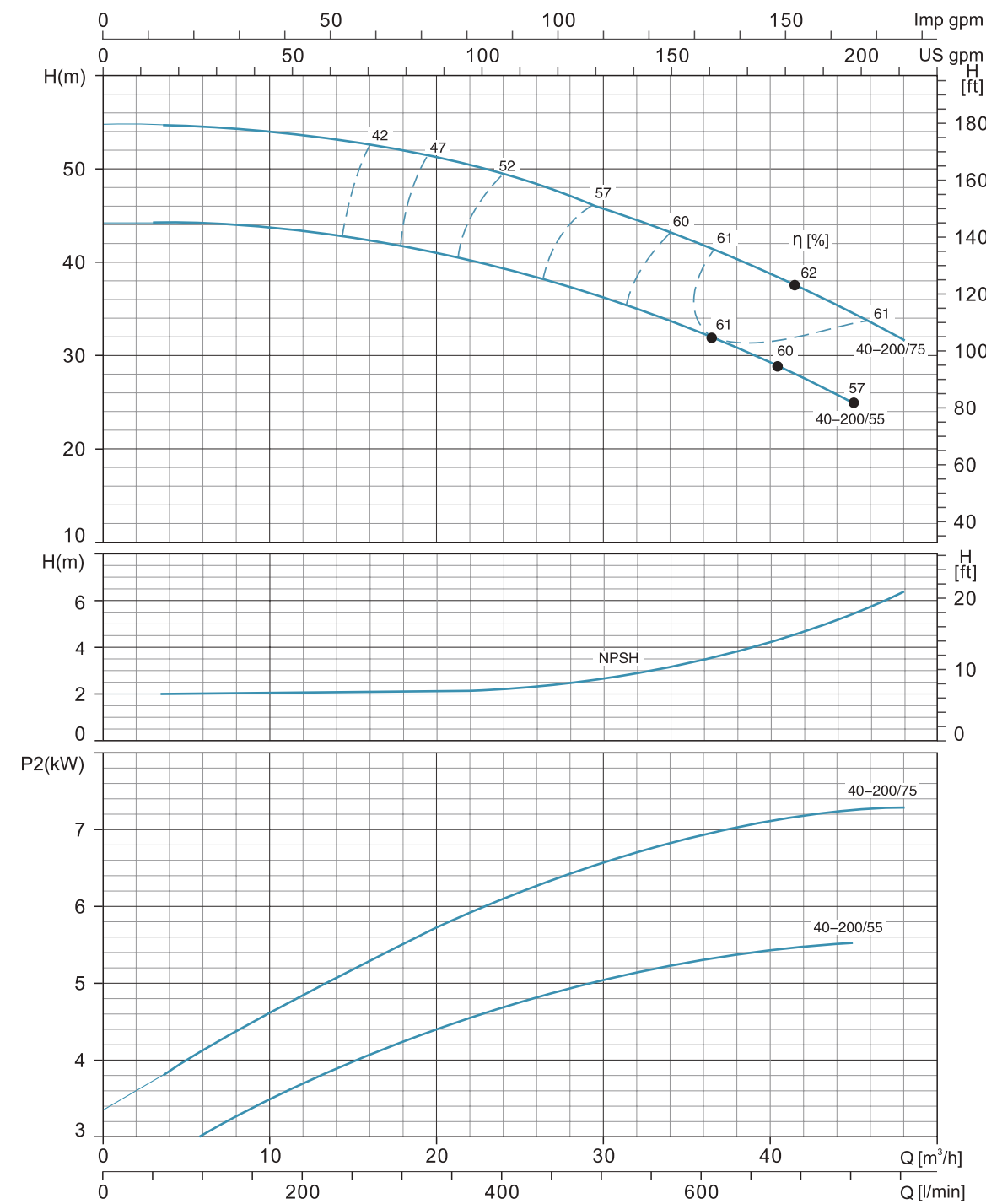
Hydraulic Performance Curves

XST40-160	~2900rpm	ISO 9906 Annex A
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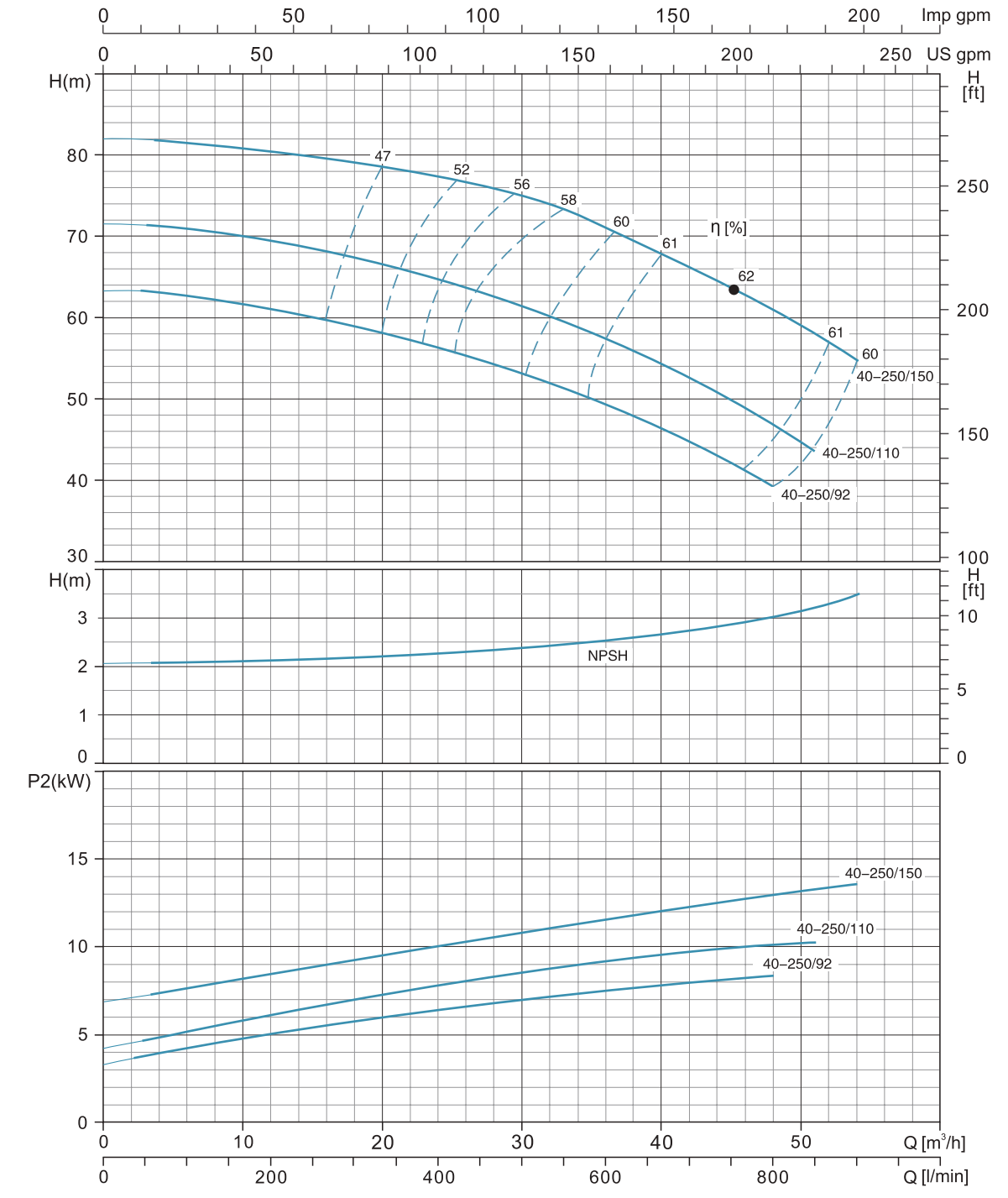
Hydraulic Performance Curves

XST40-200	~2900rpm	ISO 9906 Annex A
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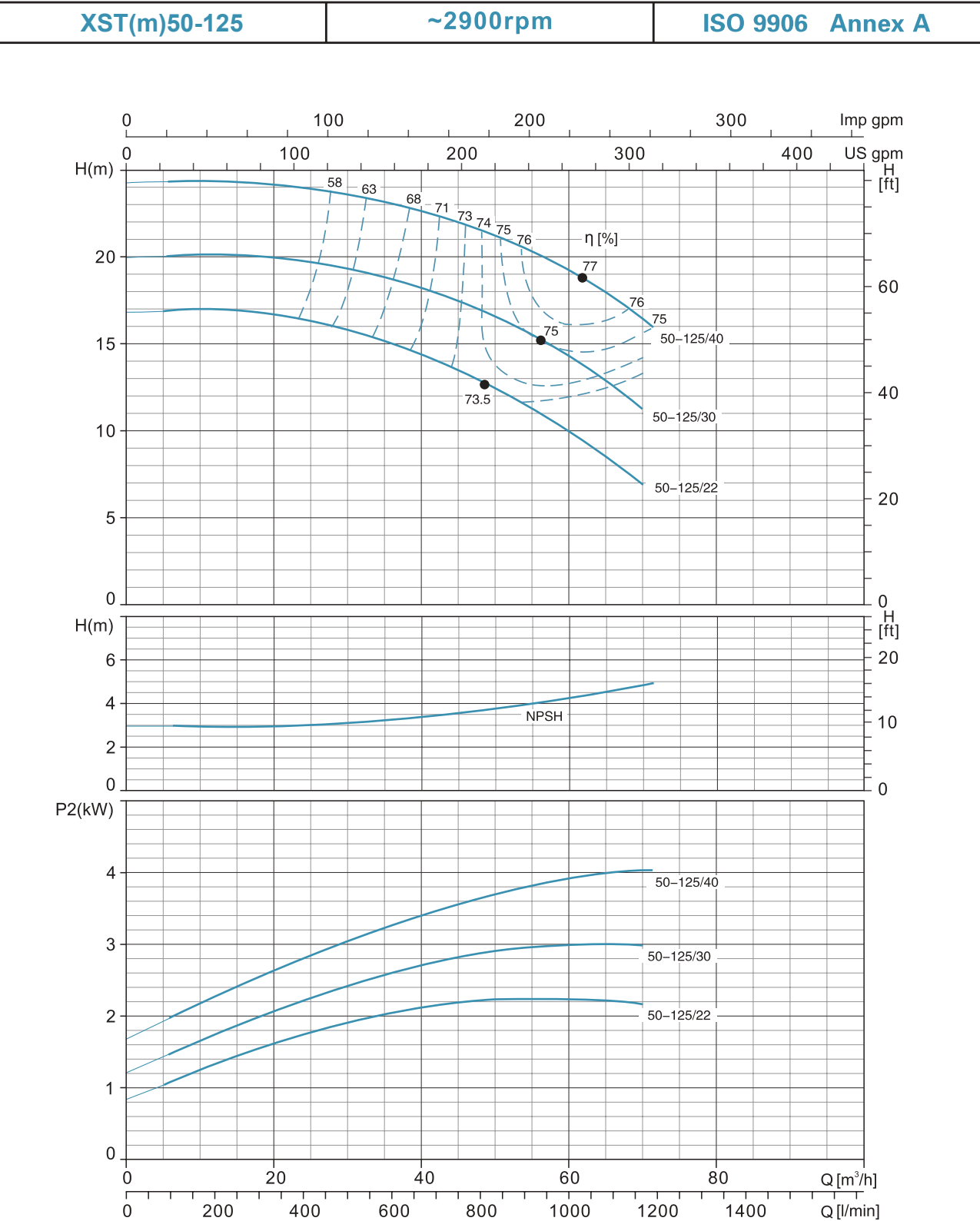


Hydraulic Performance Curves

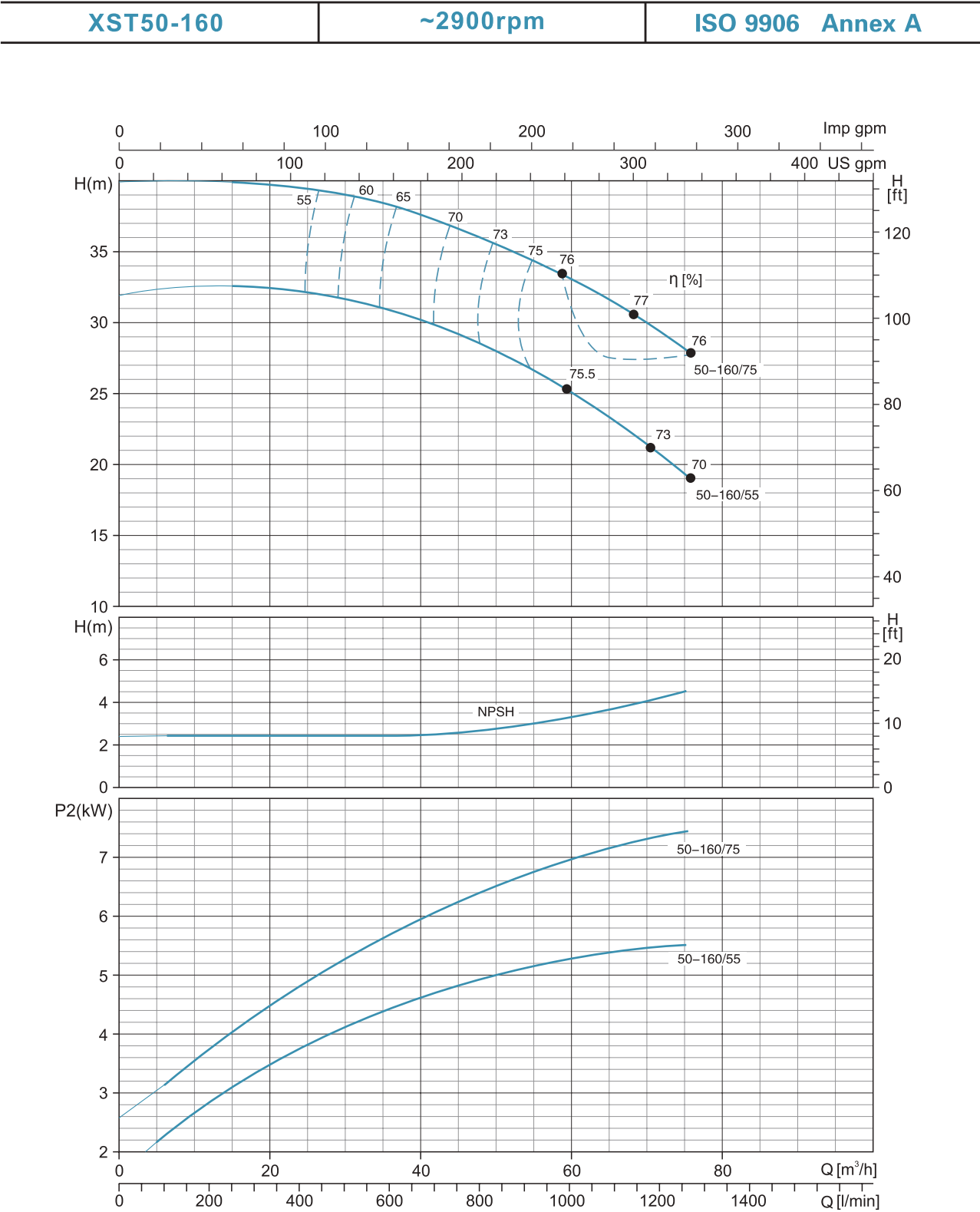
XST40-250	~2900rpm	ISO 9906 Annex A
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Hydraulic Performance Curves

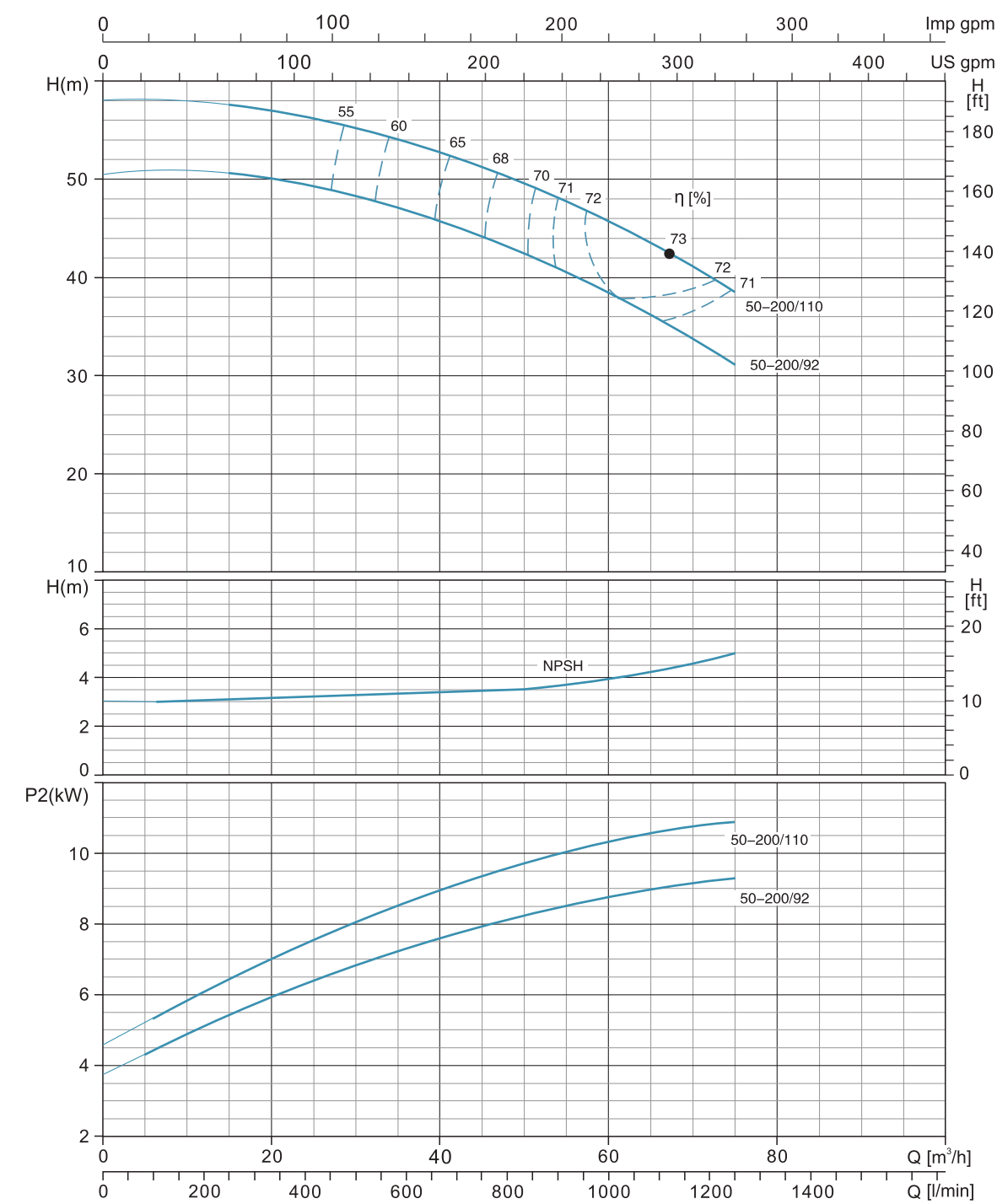


Hydraulic Performance Curves



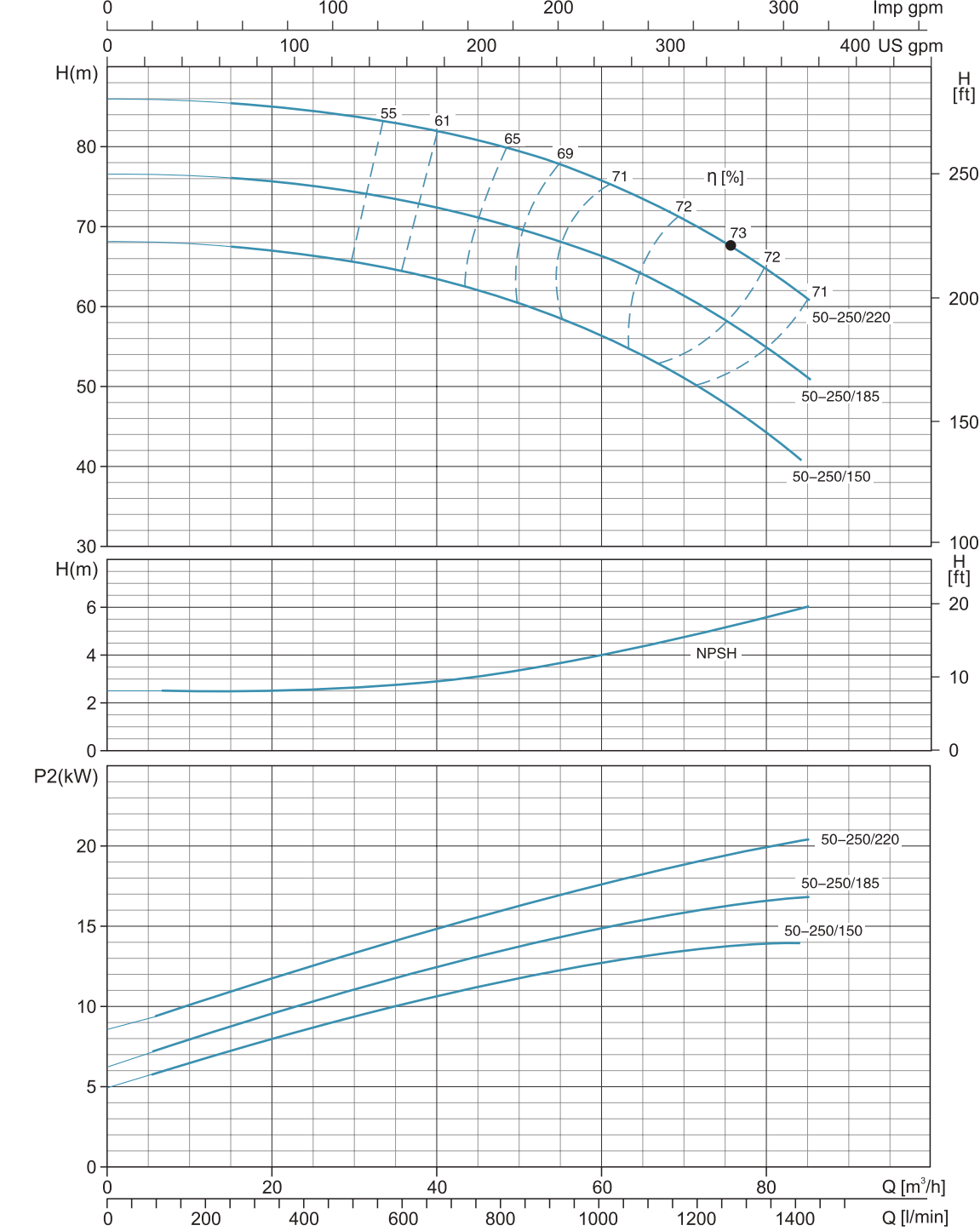
Hydraulic Performance Curves

XST50-200	~2900rpm	ISO 9906 Annex A
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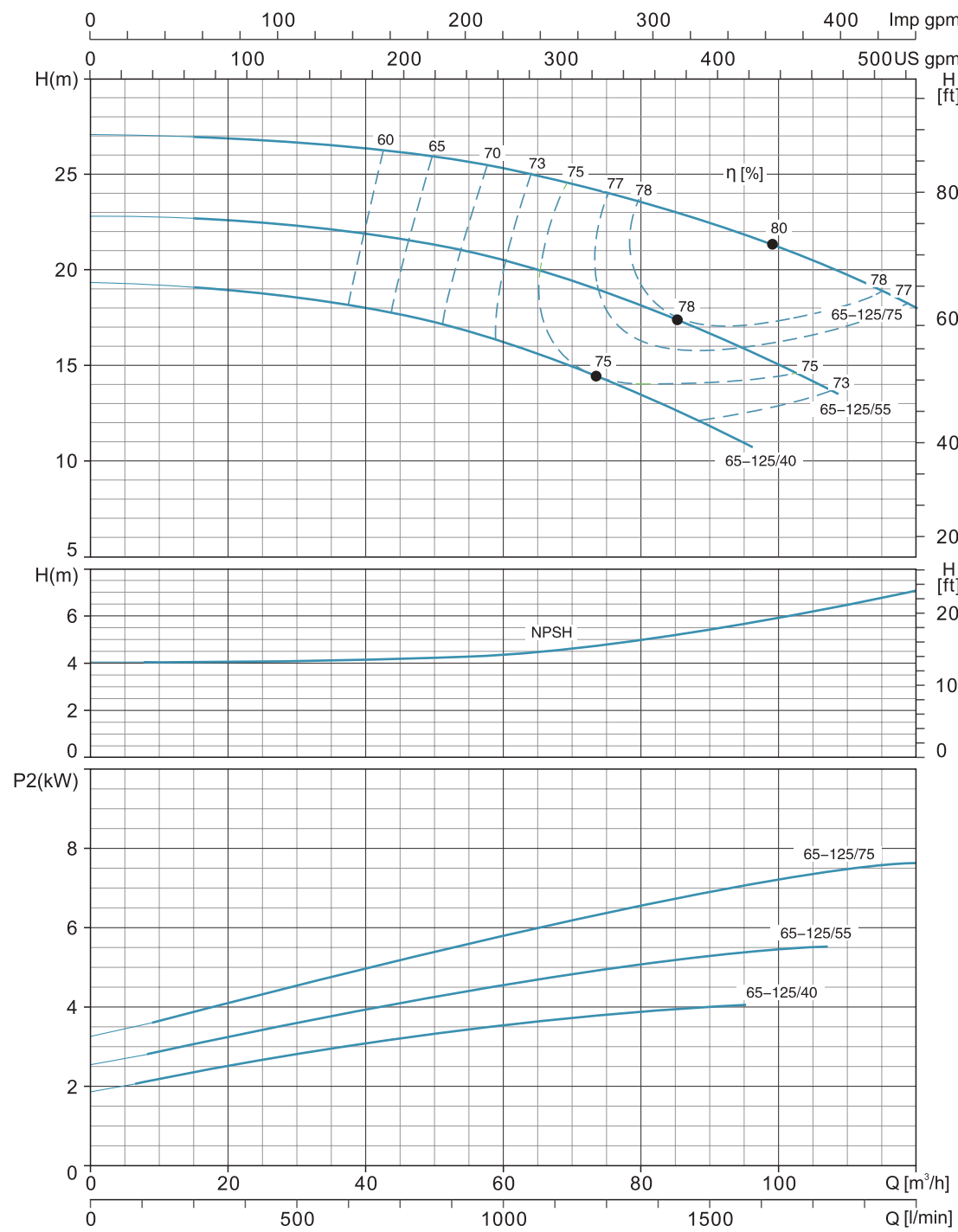
Hydraulic Performance Curves

XST50-250	~2900rpm	ISO 9906 Annex A
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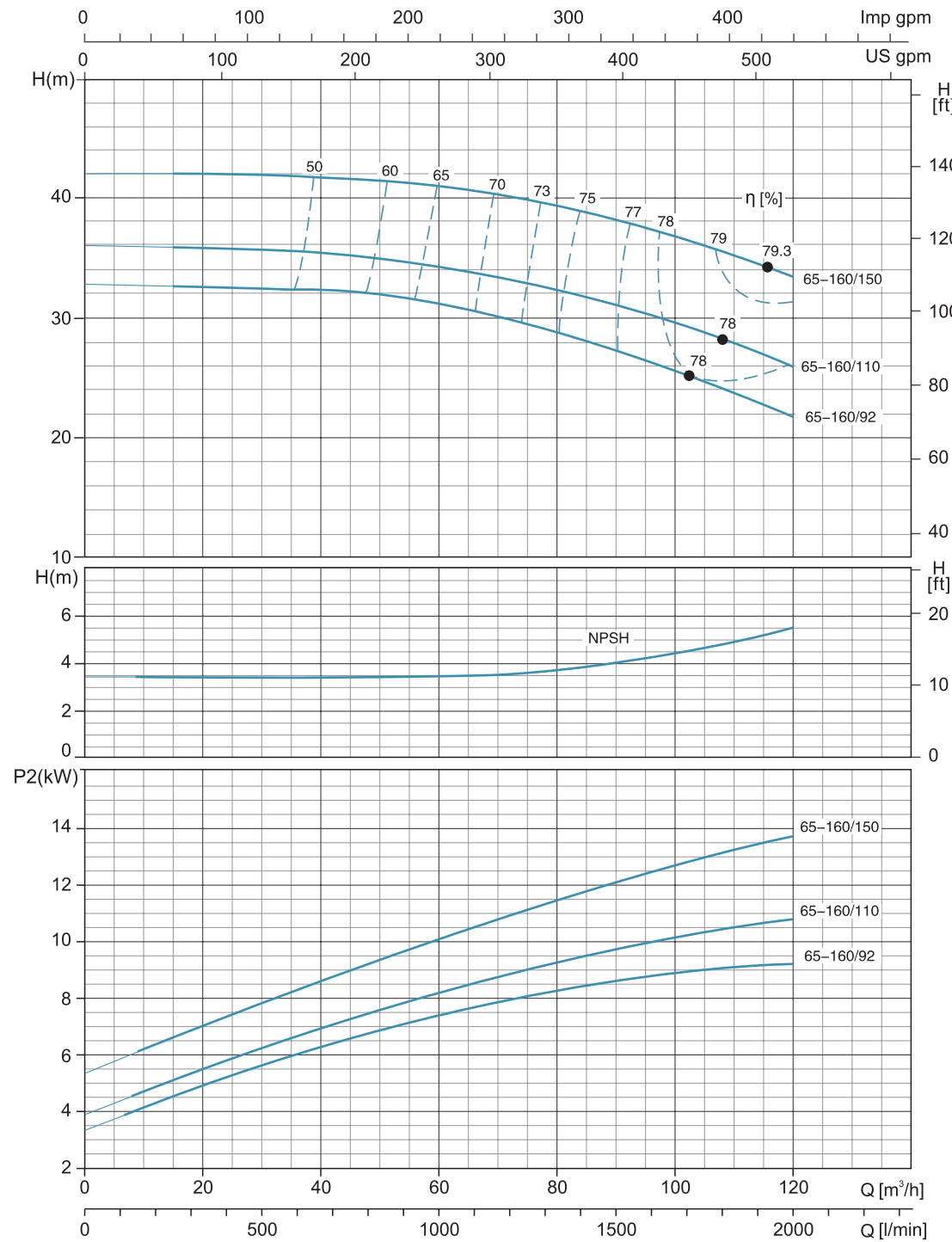
Hydraulic Performance Curves

XST65-125	~2900rpm	ISO 9906 Annex A
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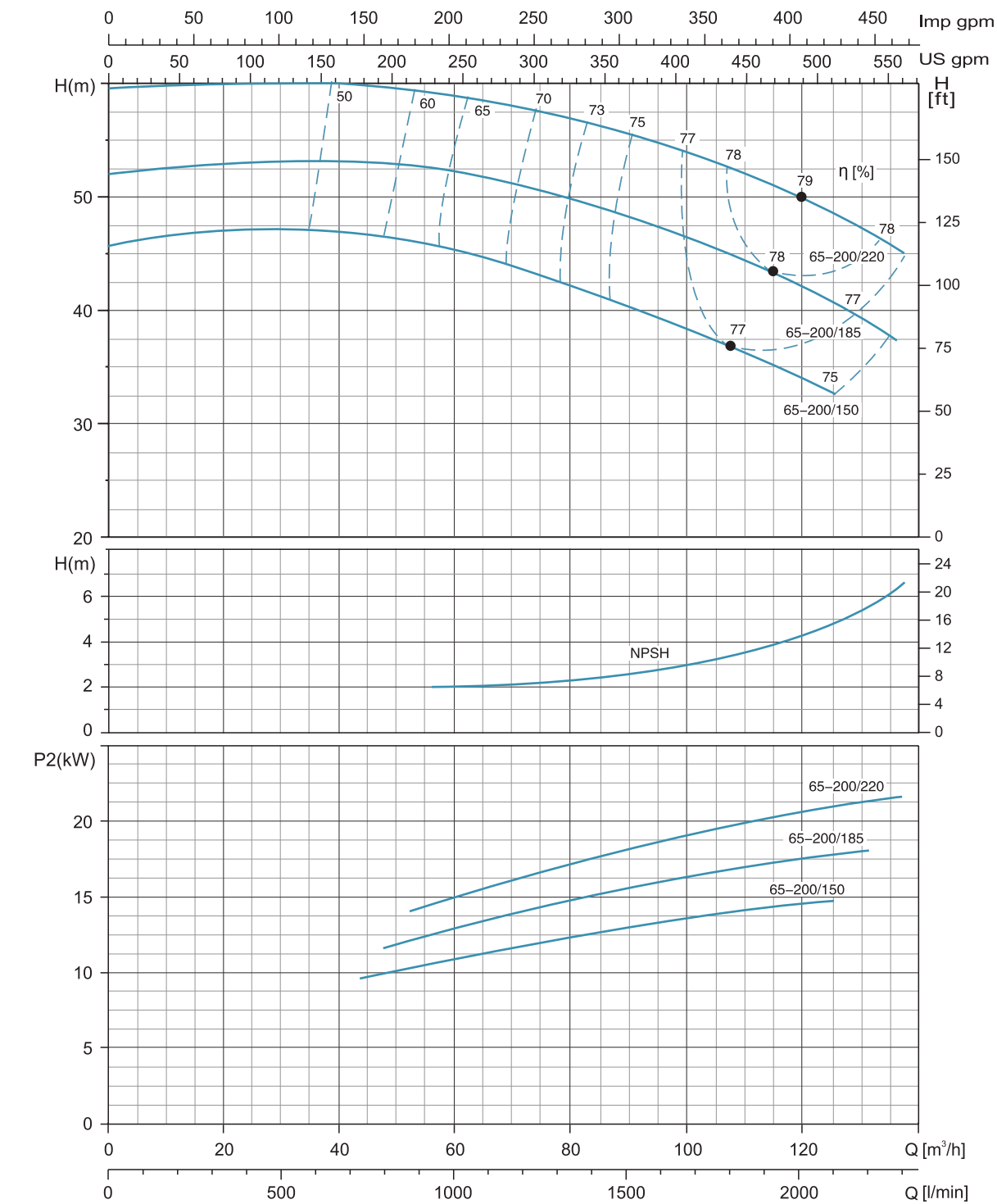
Hydraulic Performance Curves

XST65-160	~2900rpm	ISO 9906 Annex A
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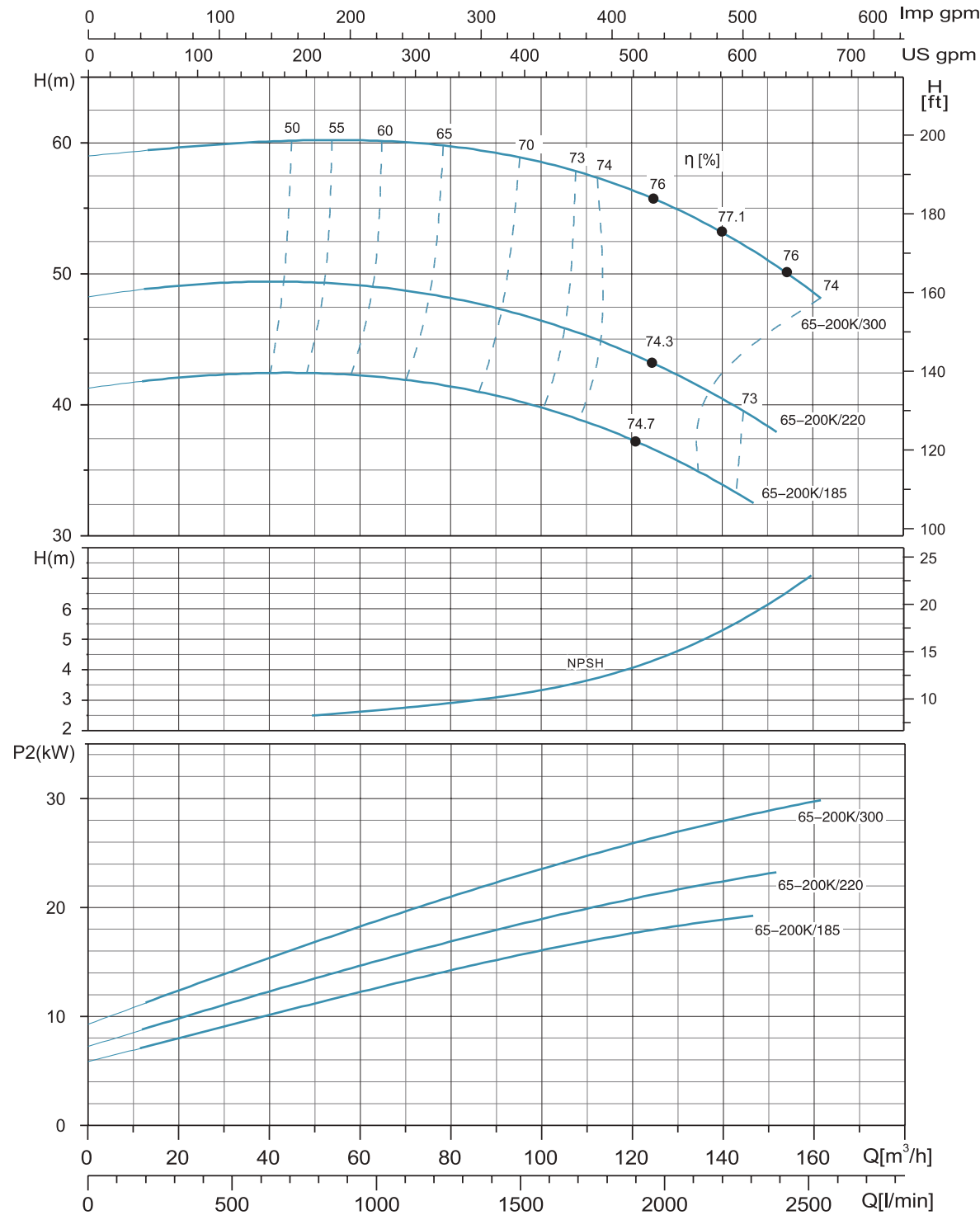
Hydraulic Performance Curves

XST65-200	~2900rpm	ISO 9906 Annex A
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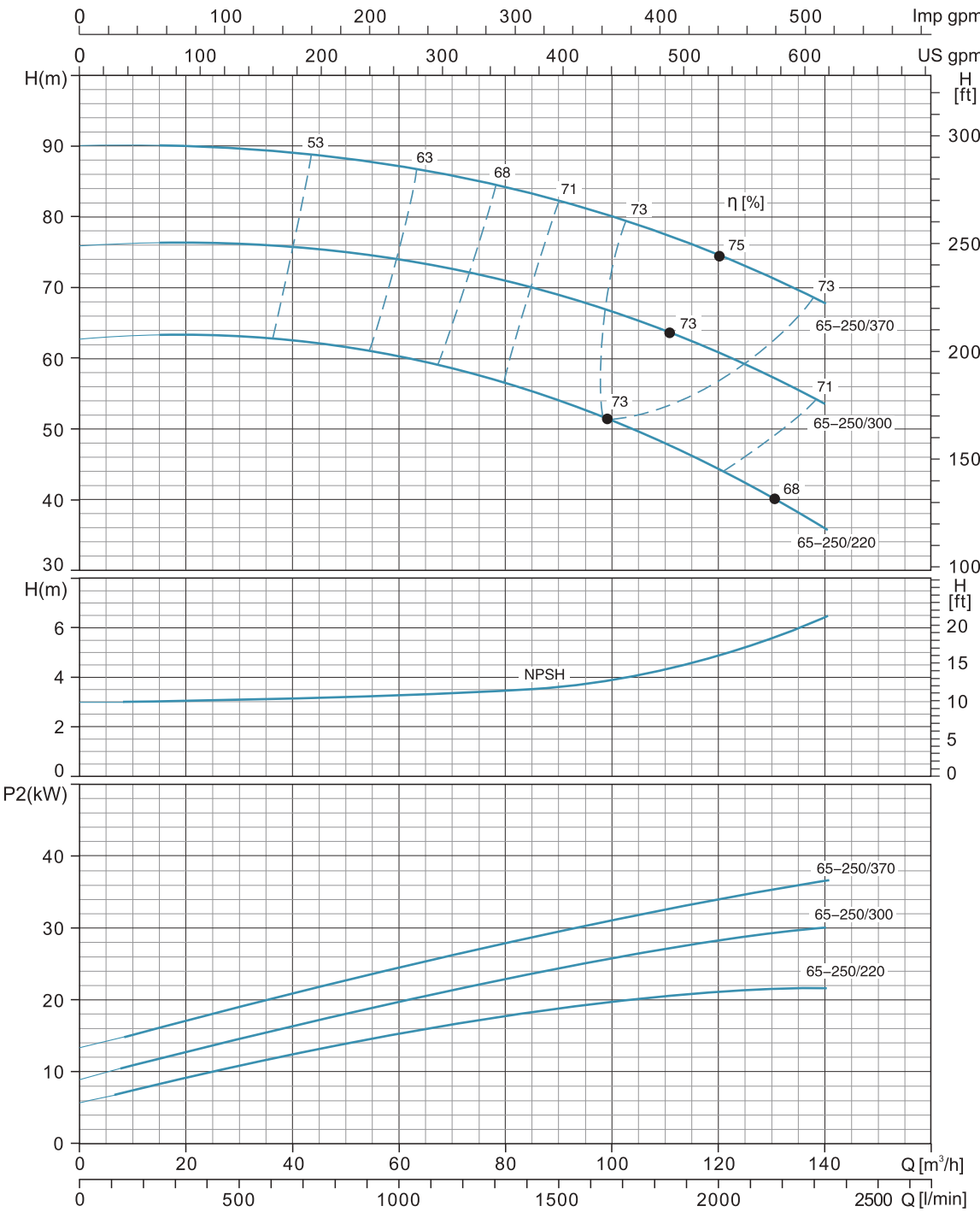
Hydraulic Performance Curves

XST65-200K	~2900rpm	ISO 9906 Annex A
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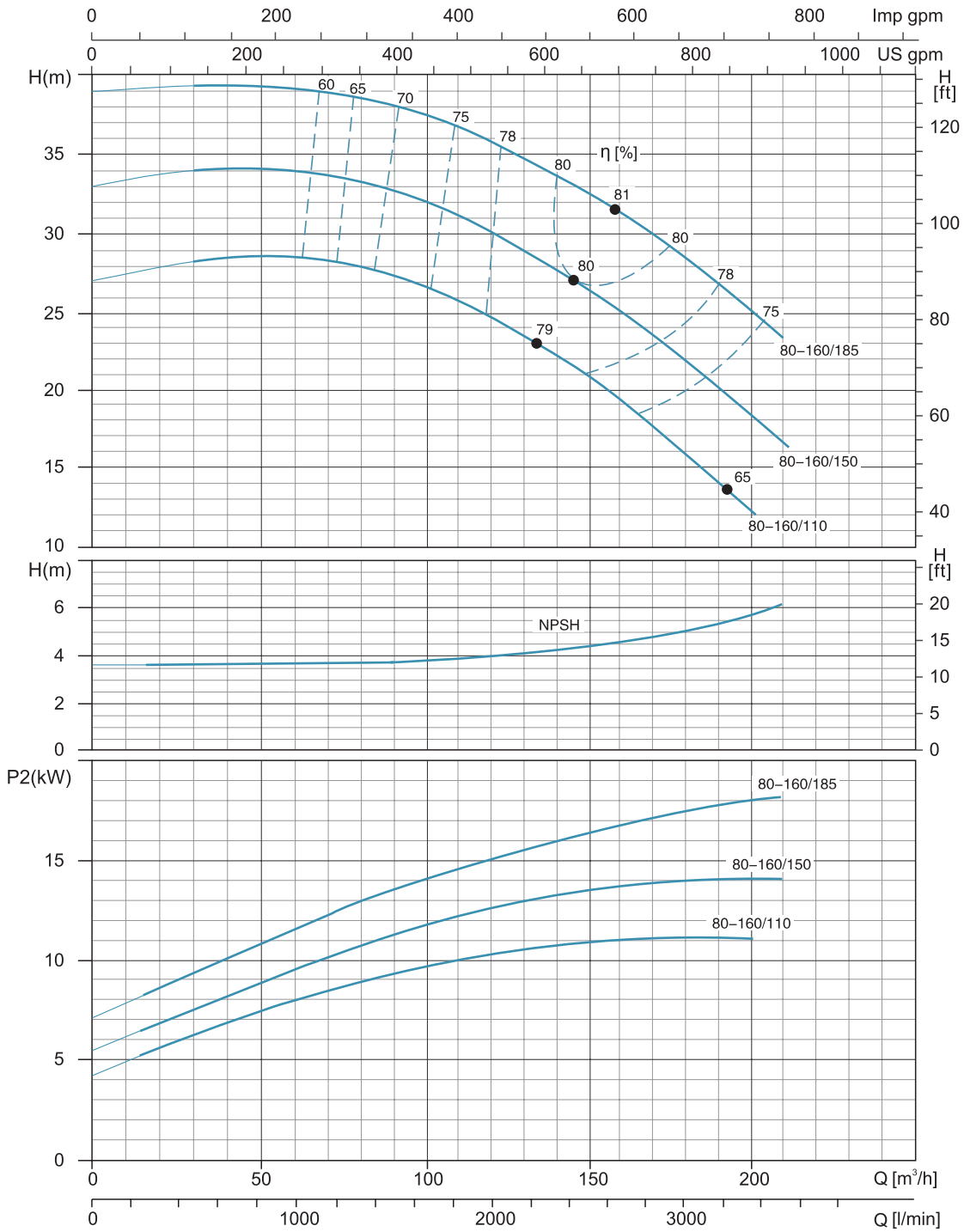
Hydraulic Performance Curves

XST65-250	~2900rpm	ISO 9906 Annex A
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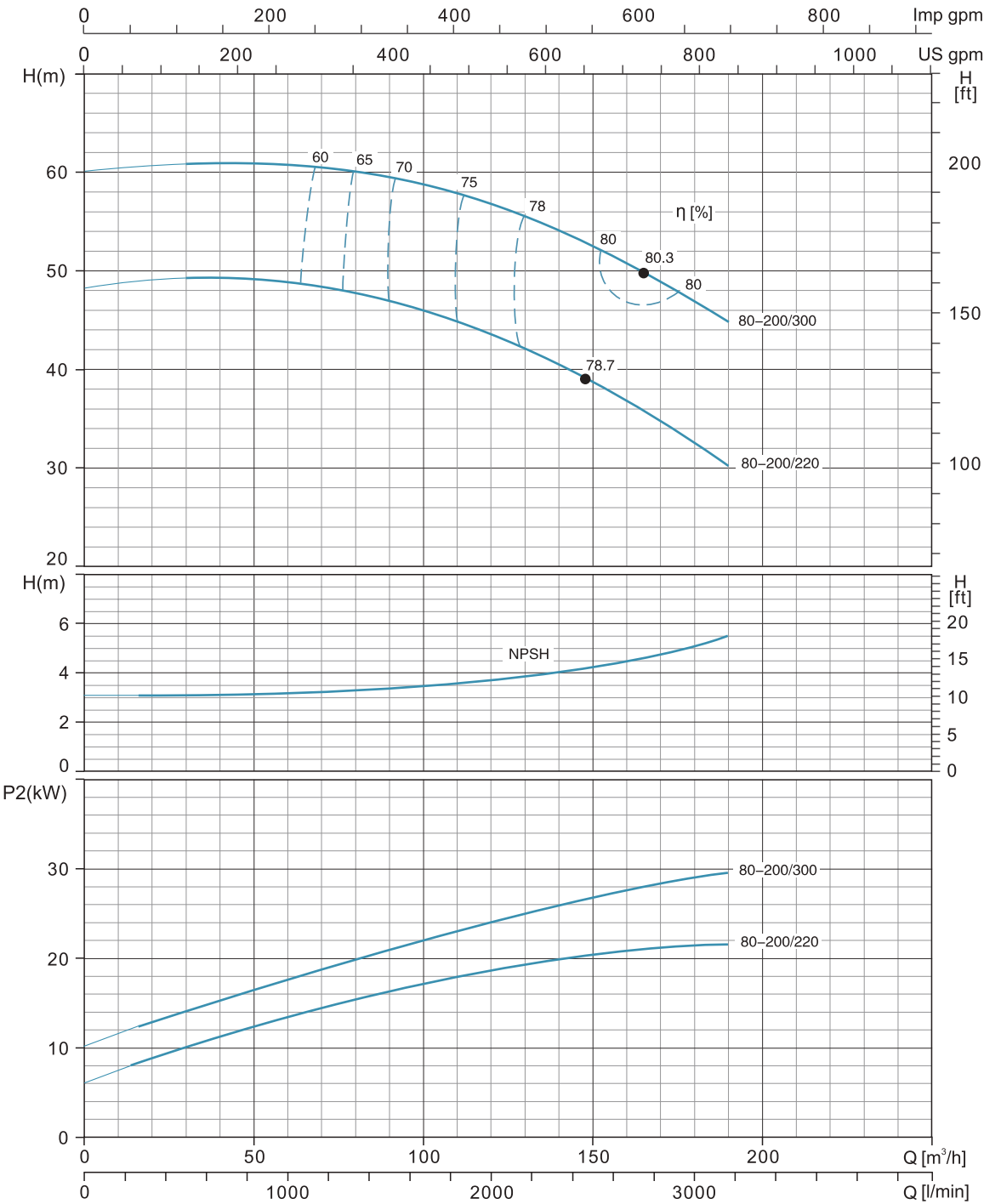
Hydraulic Performance Curves

XST80-160	~2900rpm	ISO 9906 Annex A
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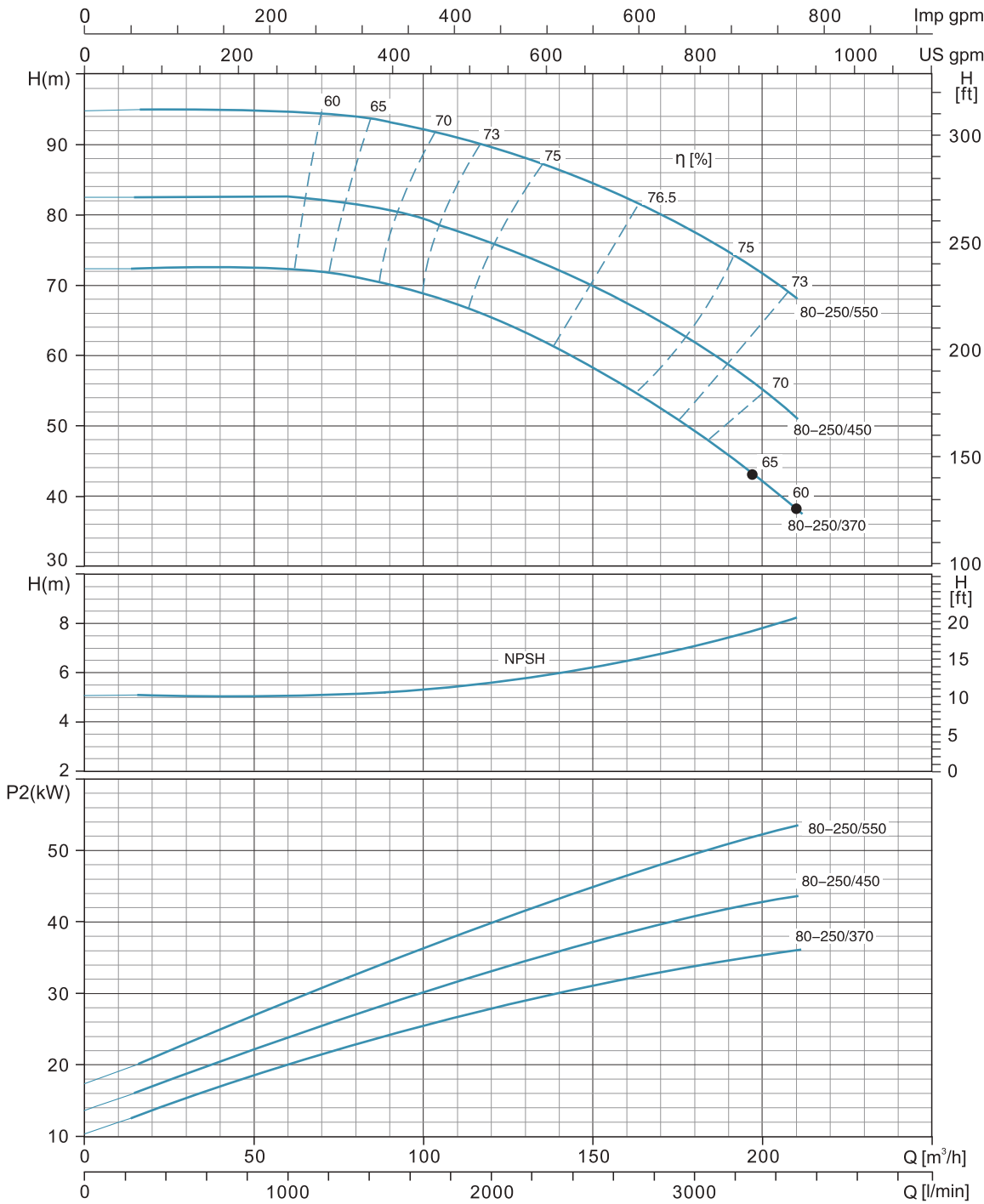
Hydraulic Performance Curves

XST80-200	~2900rpm	ISO 9906 Annex A
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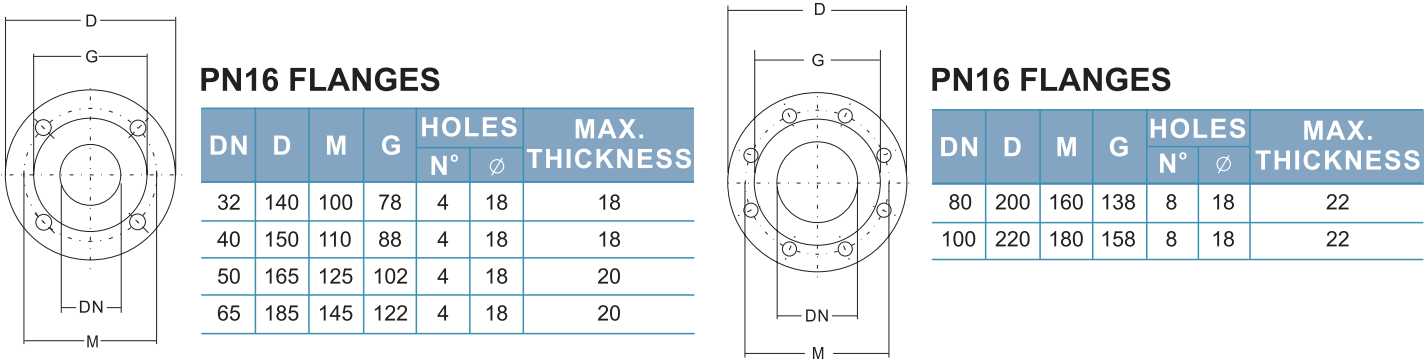


Hydraulic Performance Curves

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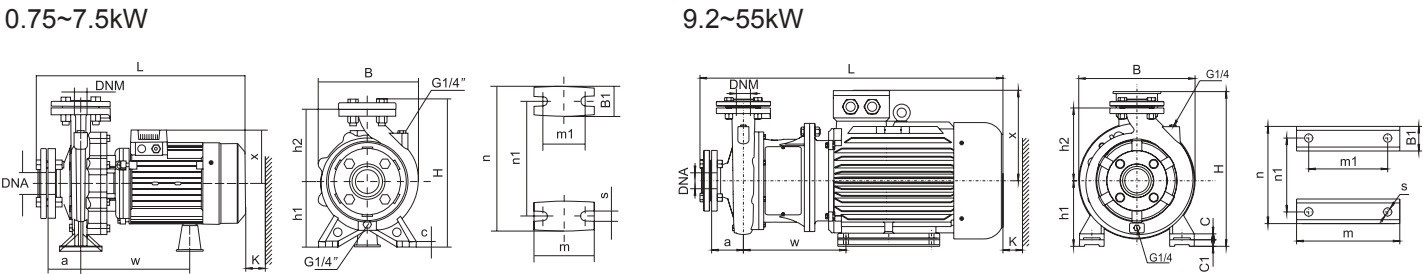
Flange Dimensions



Bearing

Model	Bearing Number	Model	Bearing Number
XSTm32-125/7	6304+6204	XST40-200/75	6306+6206
XST32-125/7	6304+6204	XST50-160/75	6306+6206
XSTm32-125/11	6304+6204	XST65-125/75	6306+6206
XST32-125/11	6304+6204	XST40-250/92	6309+6309
XSTm40-125/11	6205+6205	XST50-200/92	6309+6309
XST40-125/11	6205+6205	XST65-160/92	6309+6309
XSTm32-160/15	6205+6204	XST40-250/110	6309+6309
XST32-160/15	6205+6204	XST50-200/110	6309+6309
XSTm40-125/15	6205+6205	XST65-160/110	6309+6309
XST40-125/15	6205+6205	XST80-160/110	6309+6309
XSTm32-160/22	6205+6205	XST40-250/150	6309+6309
XST32-160/22	6205+6204	XST50-250/150	6309+6309
XSTm40-125/22	6305+6205	XST65-160/150	6309+6309
XSTm50-125/22	6305+6205	XST65-200/150	6309+6309
XST40-125/22	6305+6205	XST80-160/150	6309+6309
XST50-125/22	6206+6205	XST50-250/185	6309+6309
XSTm32-160/30	6205+6205	XST65-200/185	6309+6309
XST32-160/30	6205+6205	XST80-160/185	6309+6309
XST32-200/30	6206+6205	XST65-200K/185	6309+6309
XST40-160/30	6206+6205	XST50-250/220	6311+6311
XST50-125/30	6206+6205	XST65-200/220	6311+6311
XST32-200/40	6206+6205	XST65-250/220	6311+6311
XST40-160/40	6206+6205	XST80-200/220	6311+6311
XST50-125/40	6206+6205	XST65-200K/220	6311+6311
XST65-125/40	6306+6206	XST65-250/300	6312+6312
XST32-250/55	6306+6206	XST80-200/300	6312+6312
XST40-200/55	6306+6206	XST65-200K/300	6312+6312
XST50-160/55	6306+6206	XST65-250/370	6312+6312
XST65-125/55	6306+6206	XST80-250/370	6314+6314
XST32-250/75	6306+6206	XST80-250/450	6314+6314
		XST80-250/550	6314+6314

Installation Sketch



Model	DNM	DNA	a	w	x	h2	B1	C	C1	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	15	192	281	427	85						
32-125/11				231	123	160	50	16		132			240	190	14	240	321	430	95						
32-160/15																									
32-160/22																									
32-160/30			266	141	180	48	12	160		272			212	308	386	610 640	60								
32-200/30			258	127	180	48	12																		
32-200/40																									
32-250/55			40	65	80	255	127	140		45			12	112	100	70	210	160	15	218	282	489	95		
40-125/15	238	168				48		132	240	190	249	330		494											
40-125/22																									
40-160/30																									
40-160/40	259	180			180	50	160	264	212	275	370	553 583		105											
40-200/55																									
40-200/75																									
50-125/22																	50	100						262	127
50-125/30																									
50-125/40																									
50-160/55																									
50-160/75	265	180	180	68	14	160	283	372	564 594	110															
65-125/40																									
65-125/55																									
65-125/75																									
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				200	65	20	-	160	260	210	320	254	420	845						120					
40-250/150																									
50-200/92				50	65	100	310	260	225	65	20	20	180	304						254	14.5	350	440	895	110
50-200/110																									
50-250/150							323	275	70	25	-	311	241	355						279			455	925	
50-250/185																									
50-250/220				65	80	100	310	260	200	65	20	-	160	260						210	320	254	14.5	350	420
65-160/92	225	70	22												-	311	241	355	279						
65-160/110									225	70	22	-	311	241						355	279	440			895
65-160/150	225	70	22												-	311	241	355	279						
65-200/150							225	70	22	-	311	241	355	279						440	895				
65-200/185	225	70	22												-	311	241	355	279			440		895	
65-200/220							225	70	22	-	311	241	355	279						440	895				
65-200K/185	225	70	22												-	311	241	355	279			440		895	
65-200K/220							225	70	22	-	311	241	355	279						440	895				
65-200K/300	225	70	22												-	311	241	355	279			440	895		
65-250/220							225	70	22	-	311	241	355	279						440	895				
65-250/300	225	70	22												-	311	241	355	279			440	895		
65-250/370							225	70	22	-	311	241	355	279						440	895				
80-160/110	80	100	125												315	260	225	65	20			-	160	260	210
80-160/150							250	70	25	180	311	241	355	279						355	461				
80-160/185																	250	70	25				180	311	241
80-200/220				280	75	28	225	404	311	435	356	18.5	450	555						1098					
80-200/300															280	75	28	225	404		311		435	356	18.5
80-250/370				280	75	28	225	404	311	435	356	18.5	450	555						1098					
80-250/450															280	75	28	225	404		311		435	356	18.5
80-250/550				280	75	28	225	404	311	435	356	18.5	450	555						1098					