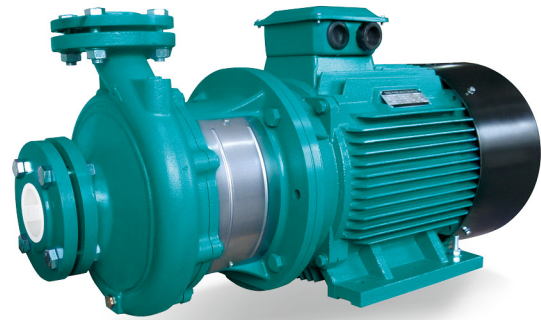


0.75kw~7.5kw



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 m<sup>3</sup>/h
- Head: up to 95 m
- Liquid temperature:
- Standard: -10°C to 85°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

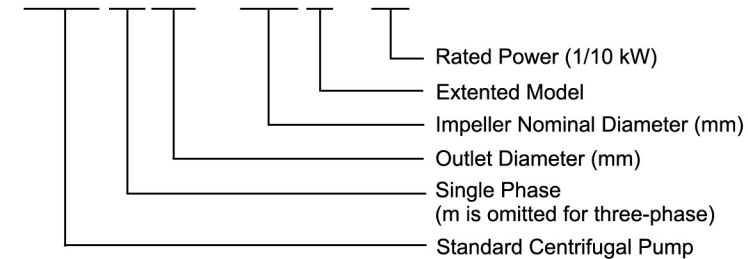
- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max.ambient temperature: +40°C
- Overload protection
- For model that ≥9.2kw: Equipped with IE2 motor, IE3 motor available on request.
- For model that ≤7.5kw, 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

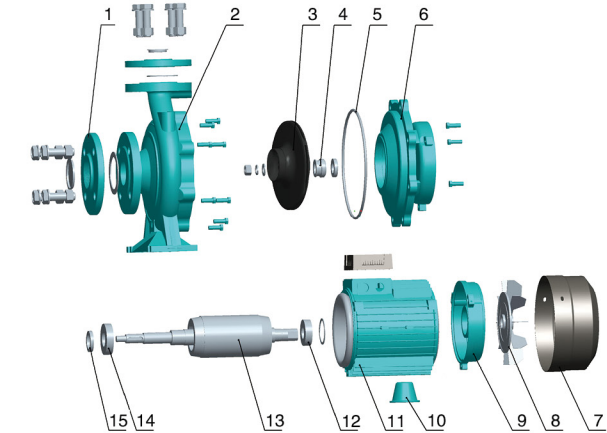
**XST m 32 – 125 K / 11**



### Materials Table

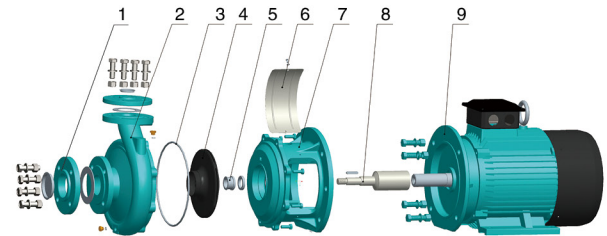
0.75kw~7.5kw

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	



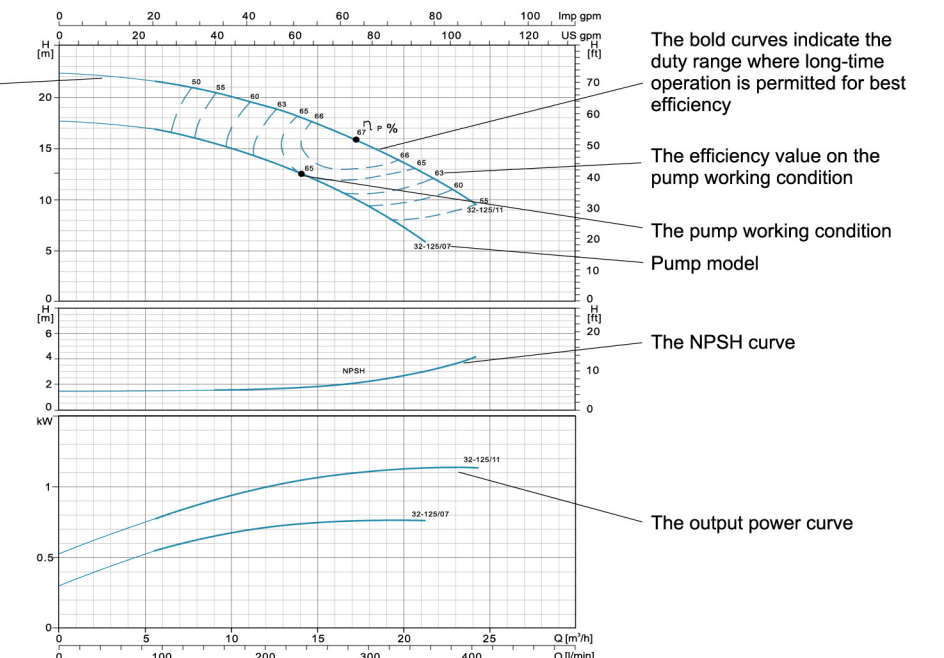
9.2kw~55kw

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°C and kinematic viscosity of 1 mm<sup>2</sup>/s. To avoid overheating of the motor, the pump should not be use against a high head for a long time.

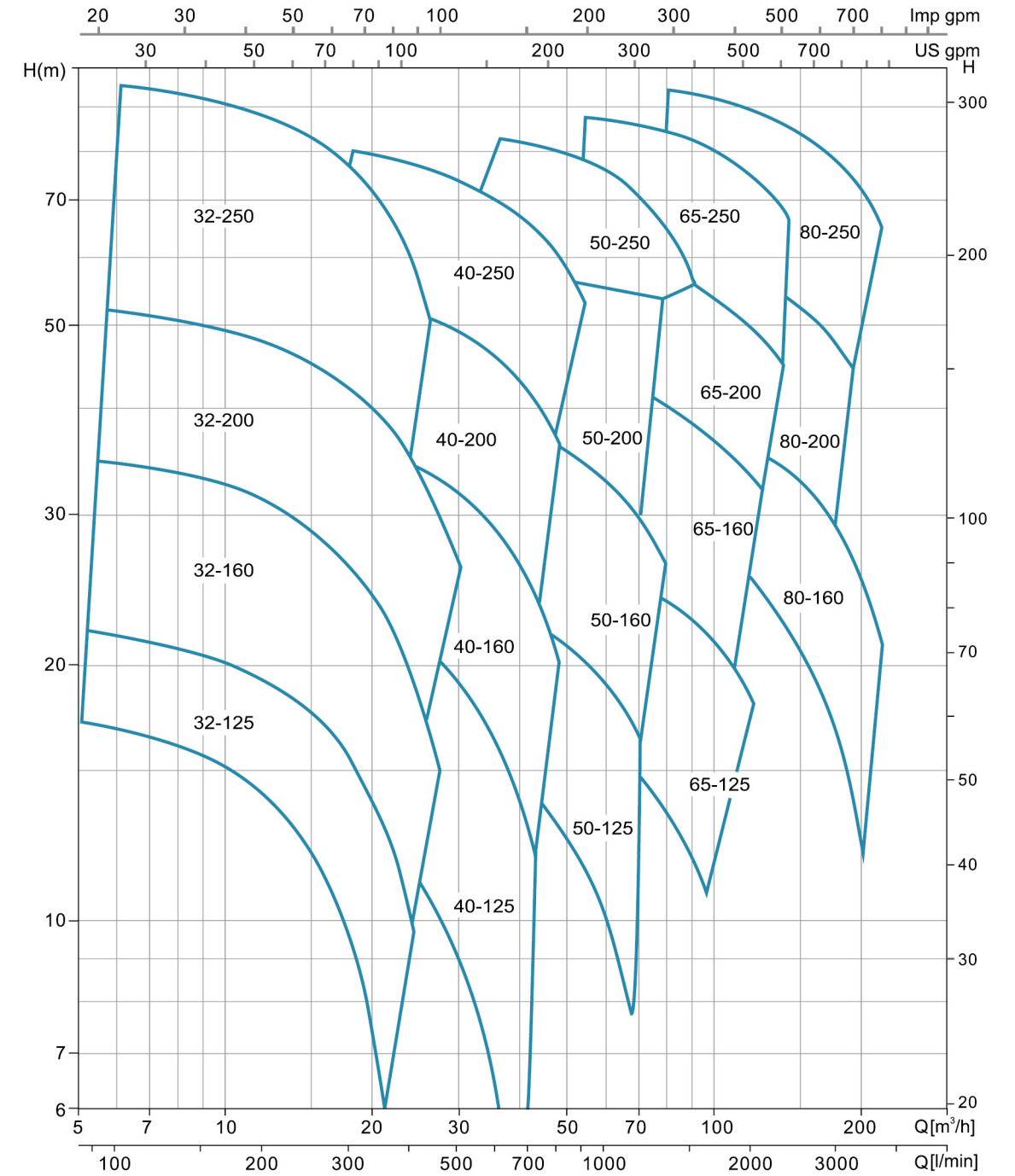
Technical Data

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* $\Delta$	0.75	1		17.5	16.7	15	12	9																
32-125/11* $\Delta$	1.1	1.5		22	21	20.2	17	15	9															
32-160/15* $\Delta$	1.5	2		24	23.7	22.5	19.5	16.2																
32-160/22* $\Delta$	2.2	3		31	29.6	29	25.5	22.5	15															
32-160/30* $\Delta$	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 $\Delta$	1.1	1.5		14.7				13	11.5	10.1														
40-125/15 $\Delta$	1.5	2		18.1				17	15	13.9														
40-125/22 $\Delta$	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 $\Delta$	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	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							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	16.7					
80-160/185	18.5	25		39										38	36.8	35.7	33.8	28.8	23.5					
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	38					
80-250/450	45	60		82										80.5	78.5	76.5	72	62	51					
80-250/550	55	75		95										93.5	91.2	89.8	86.8	77.6	68.3					

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

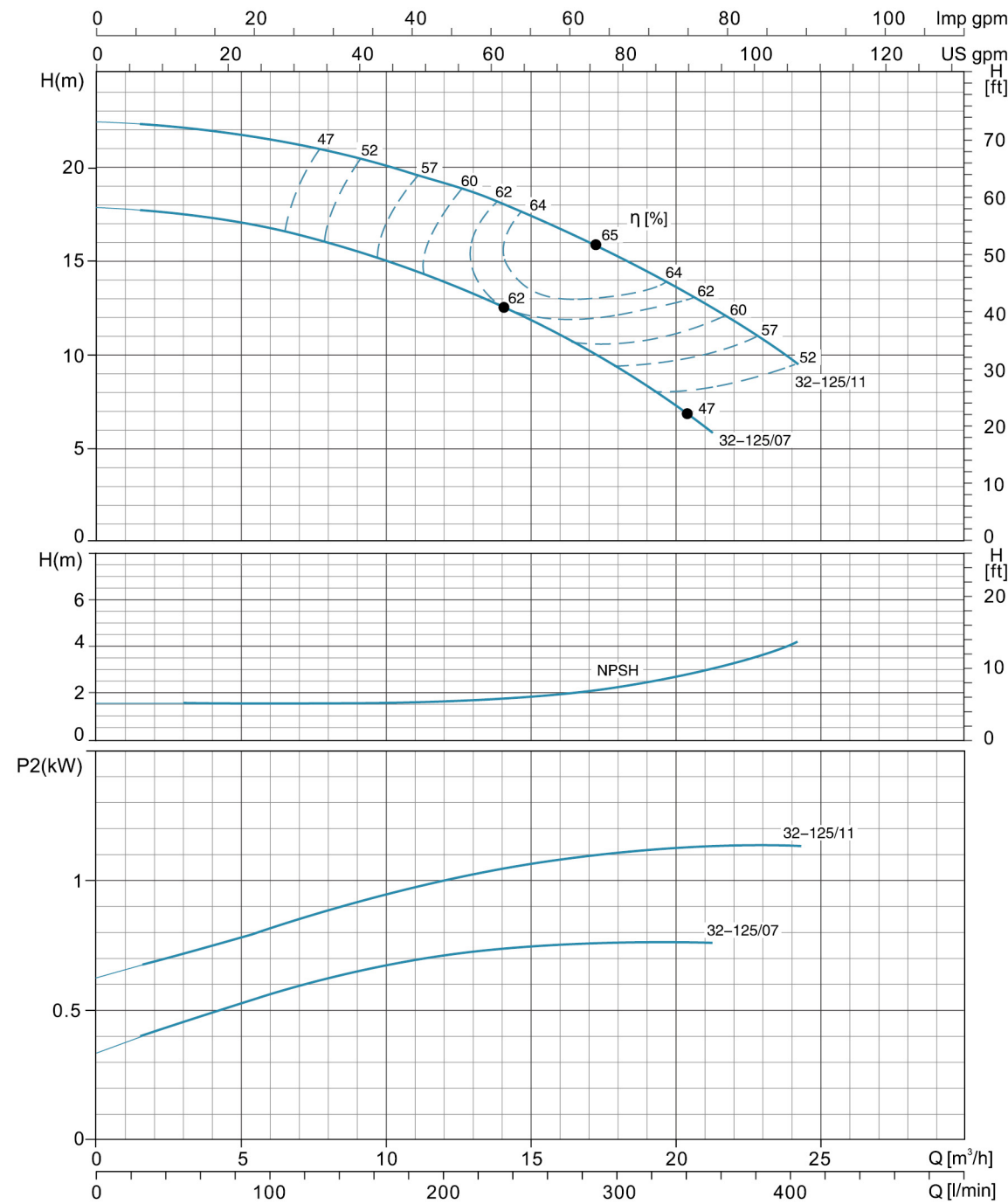
Characteristic Curves

XST	~2900rpm	ISO 9906 Annex A
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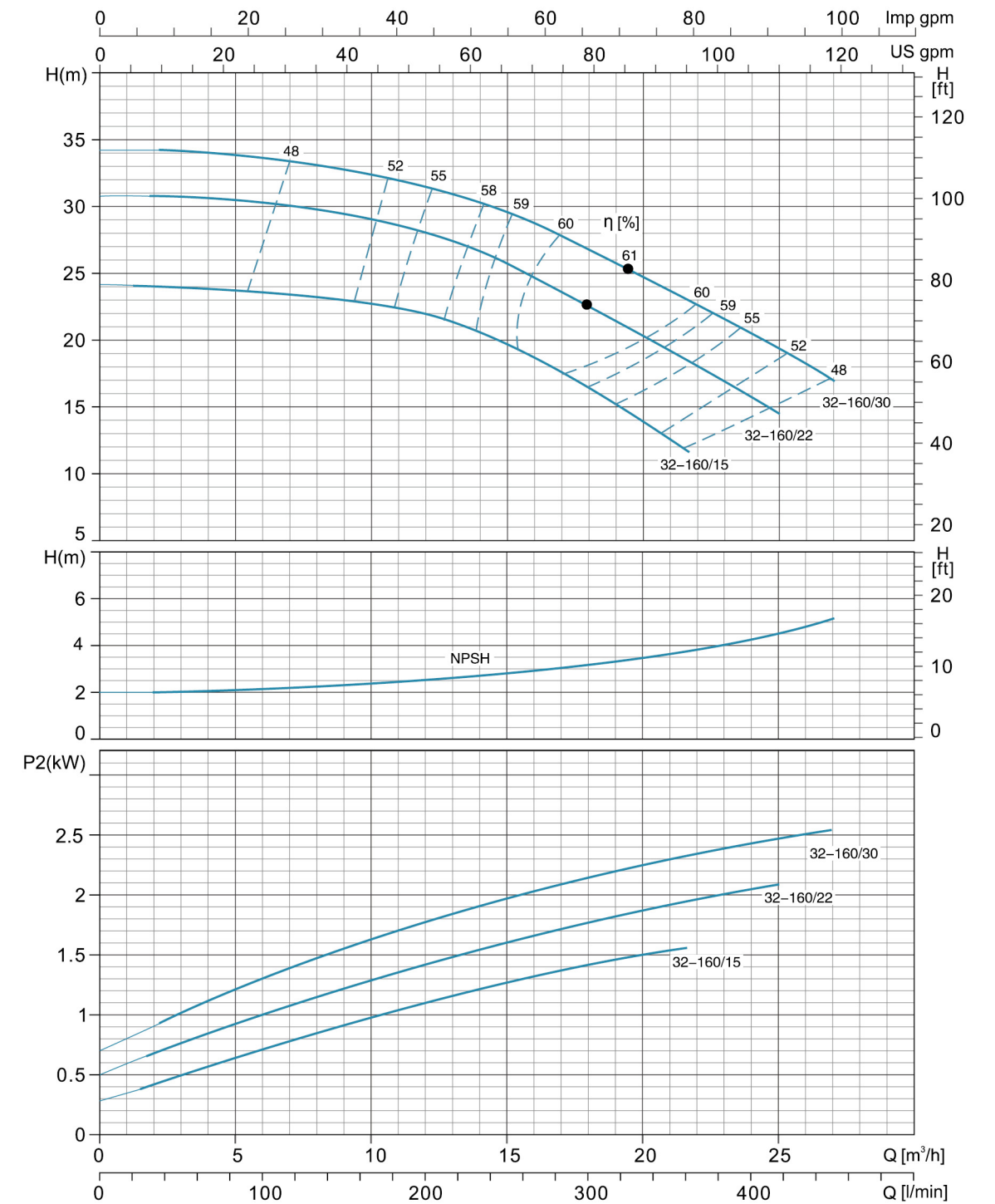
Hydraulic Performance Curves

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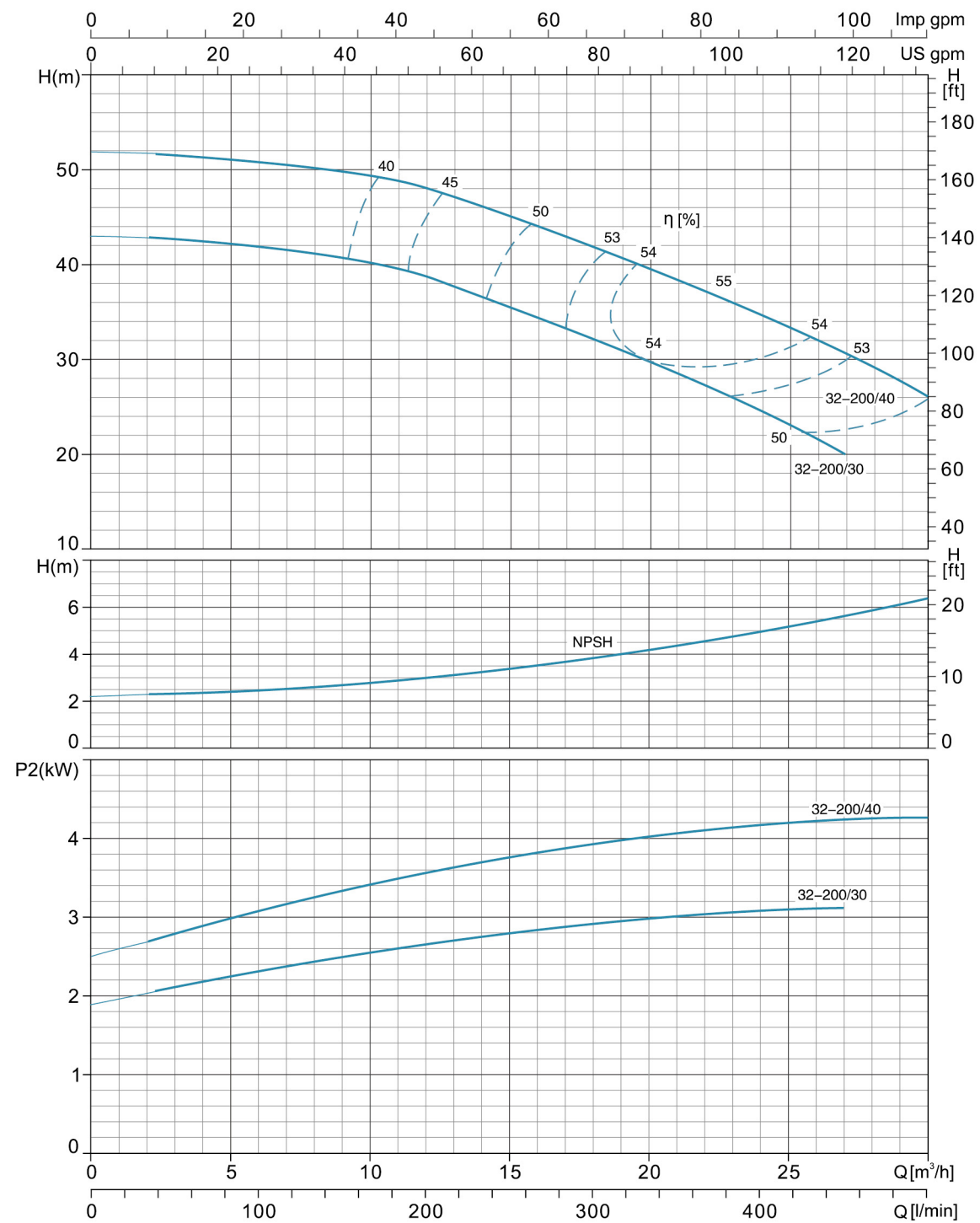
Hydraulic Performance Curves

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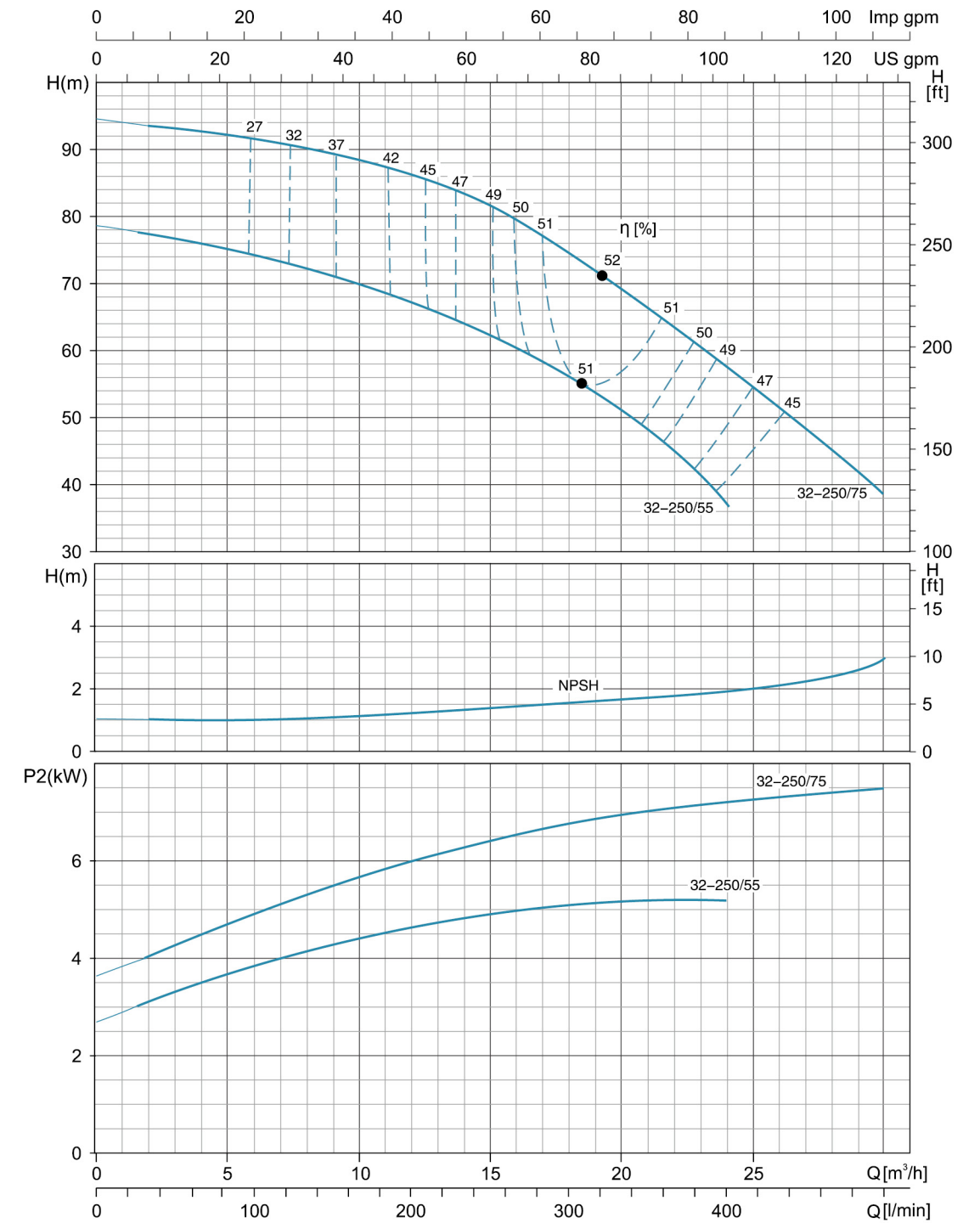
Hydraulic Performance Curves

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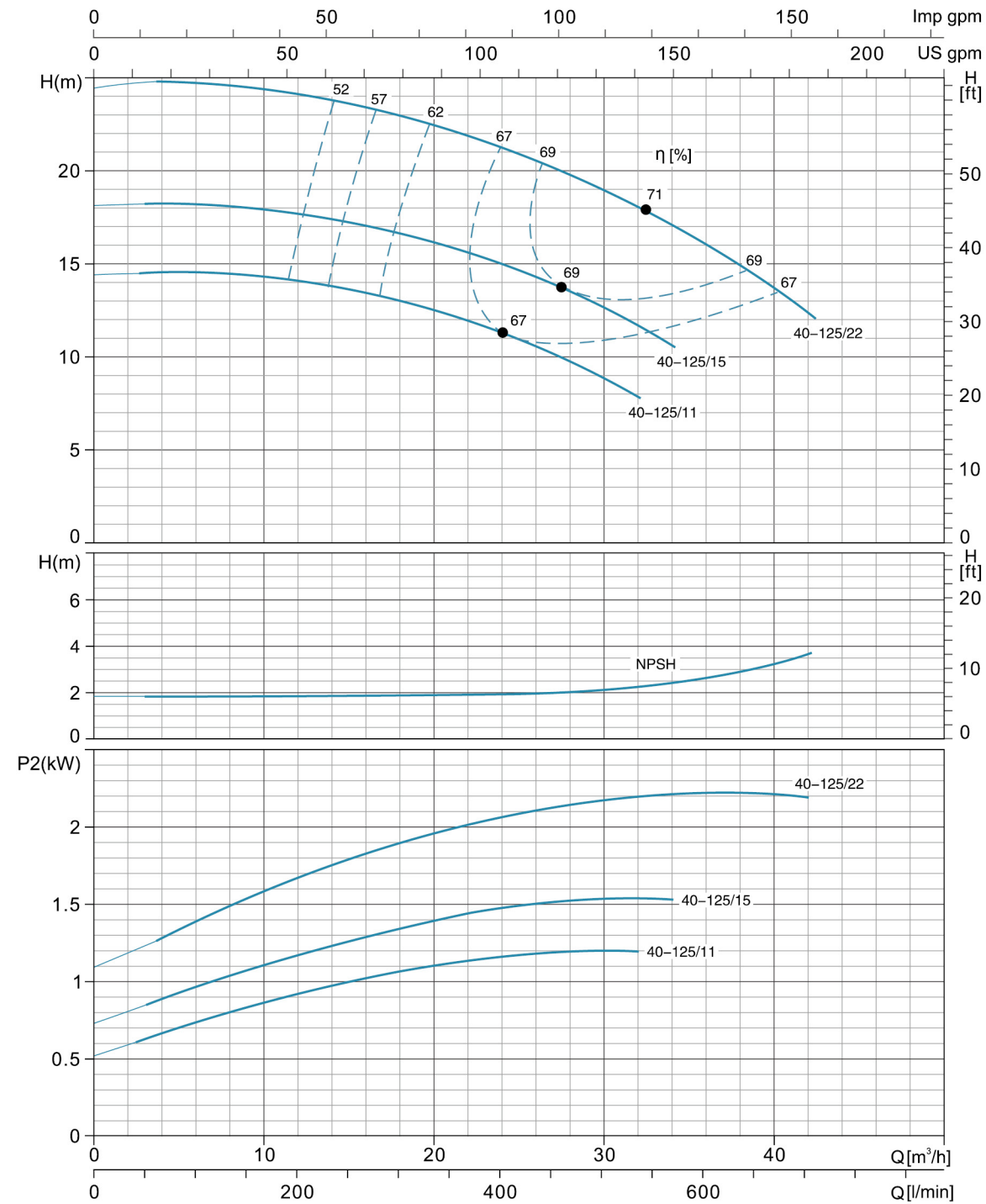
Hydraulic Performance Curves

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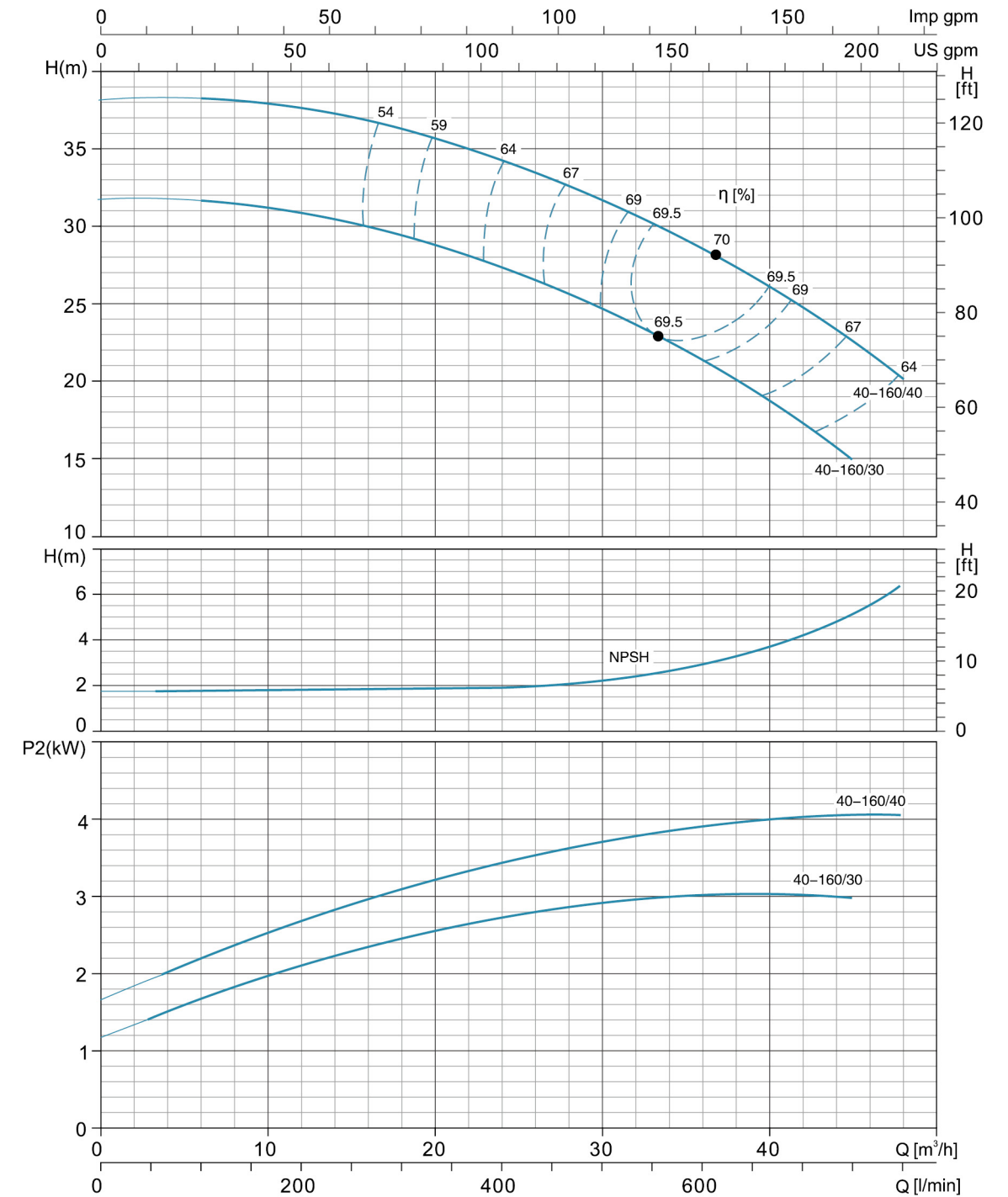
Hydraulic Performance Curves

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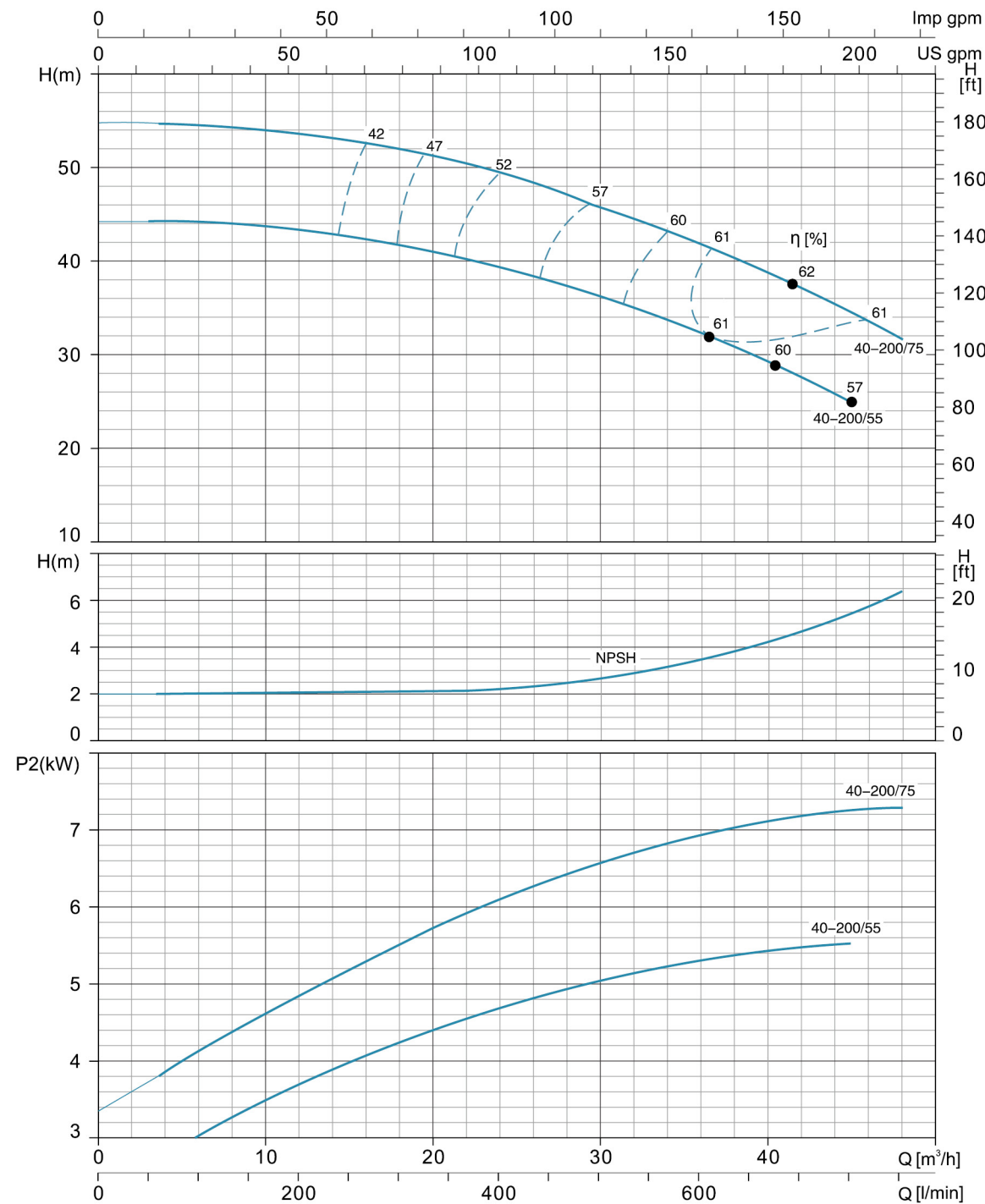
Hydraulic Performance Curves

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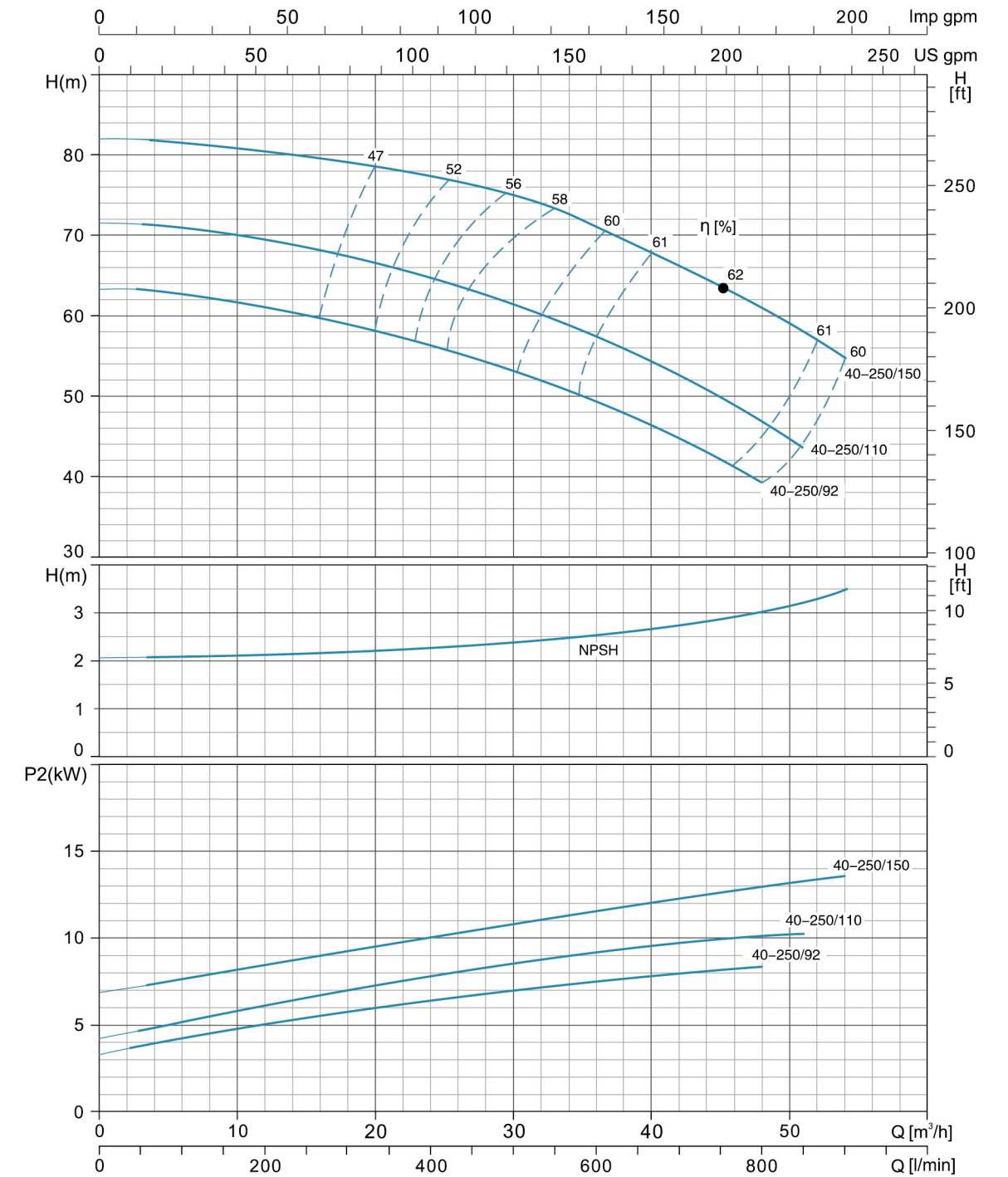
Hydraulic Performance Curves

<b>XST40-200</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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Hydraulic Performance Curves

<b>XST40-250</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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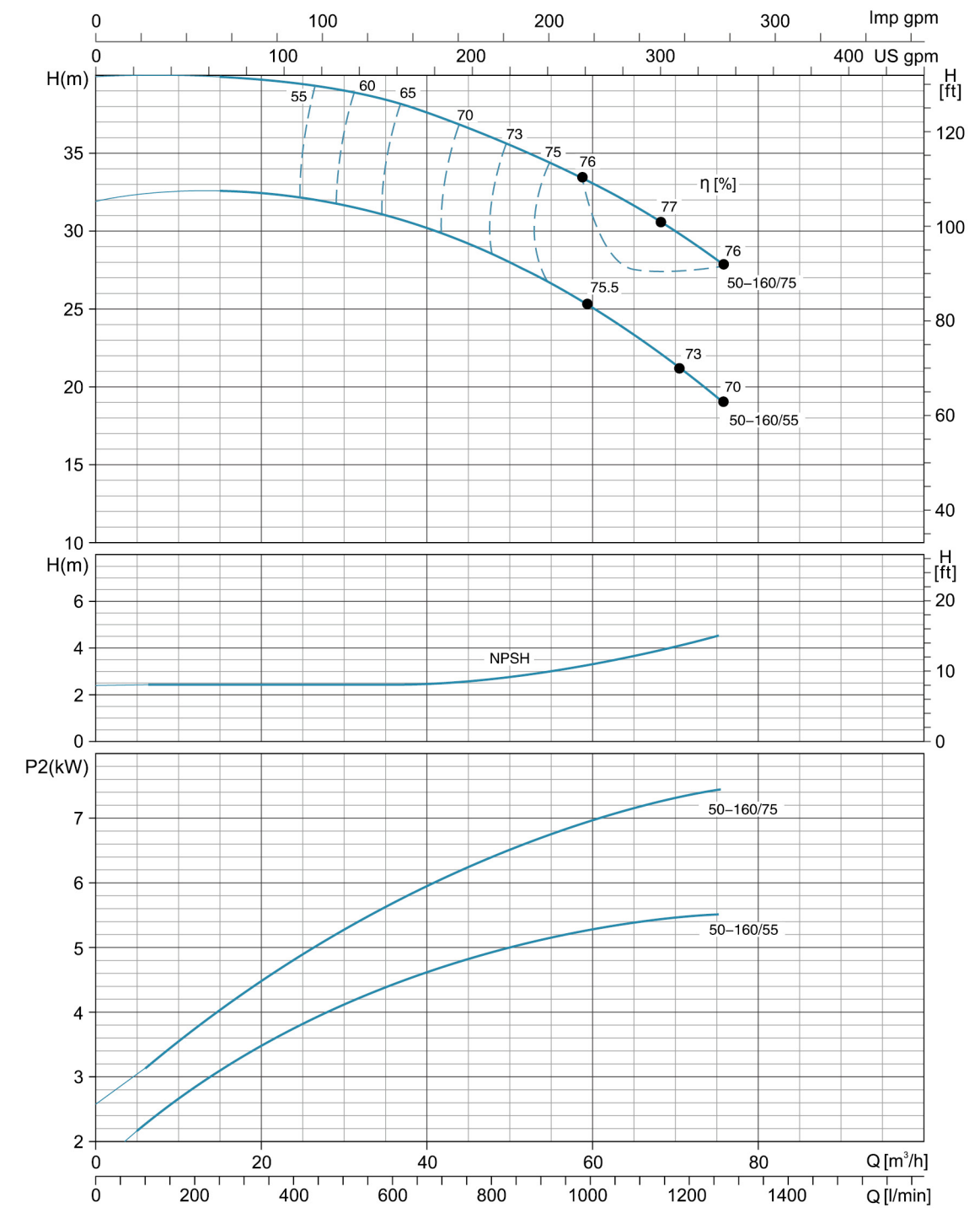
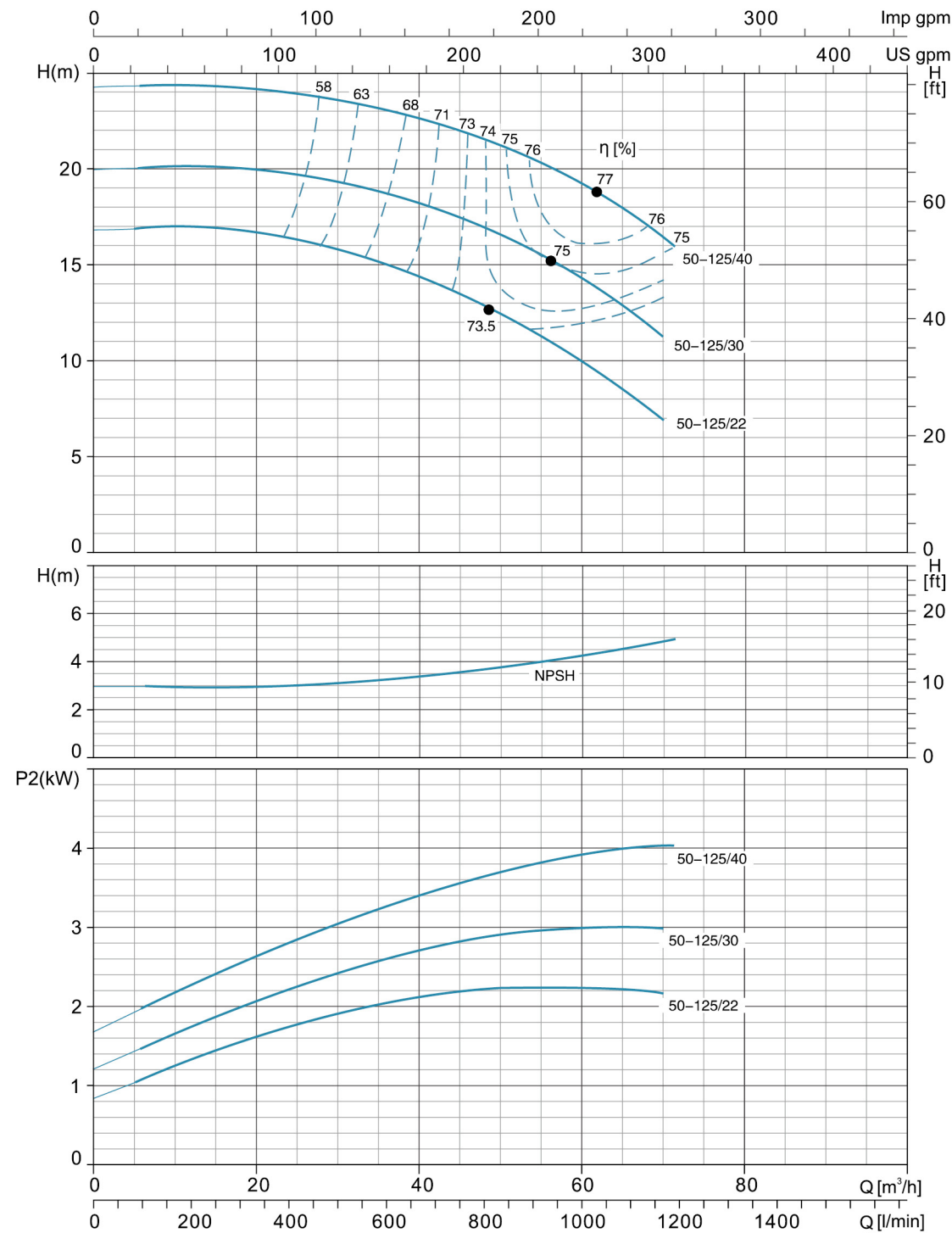


Hydraulic Performance Curves

Hydraulic Performance Curves

<b>XST(m)50-125</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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<b>XST50-160</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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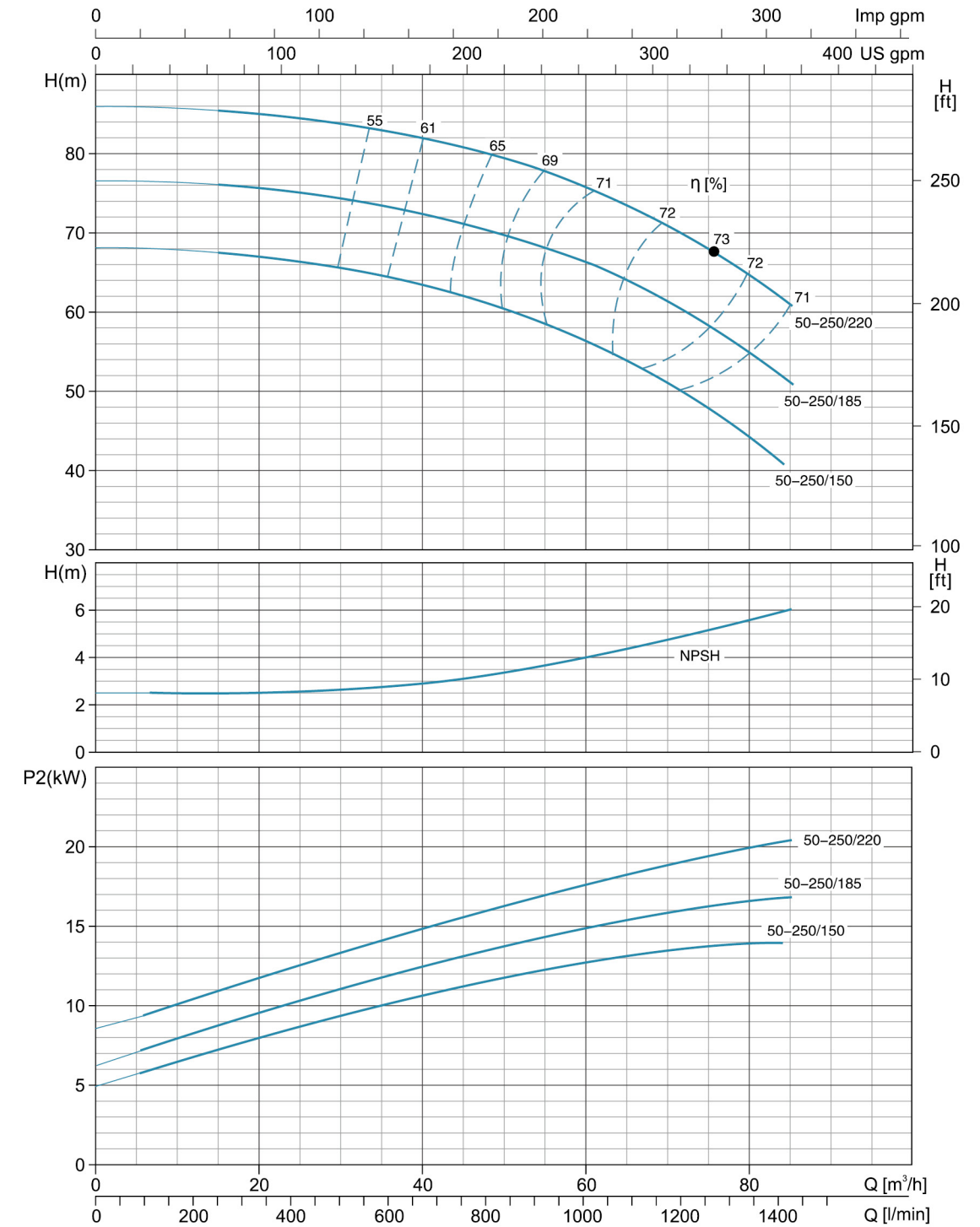
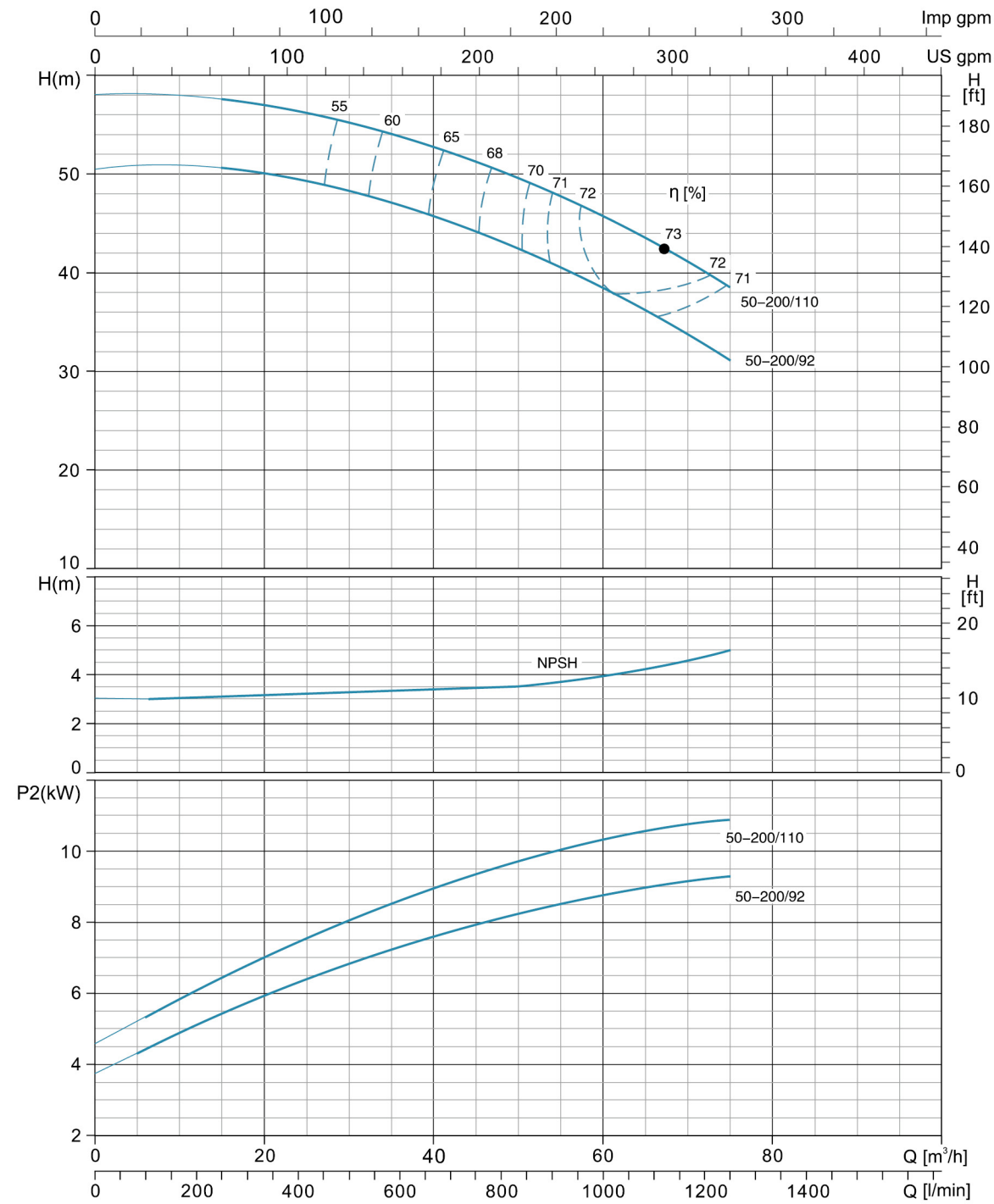


Hydraulic Performance Curves

Hydraulic Performance Curves

XST50-200	~2900rpm	ISO 9906 Annex A
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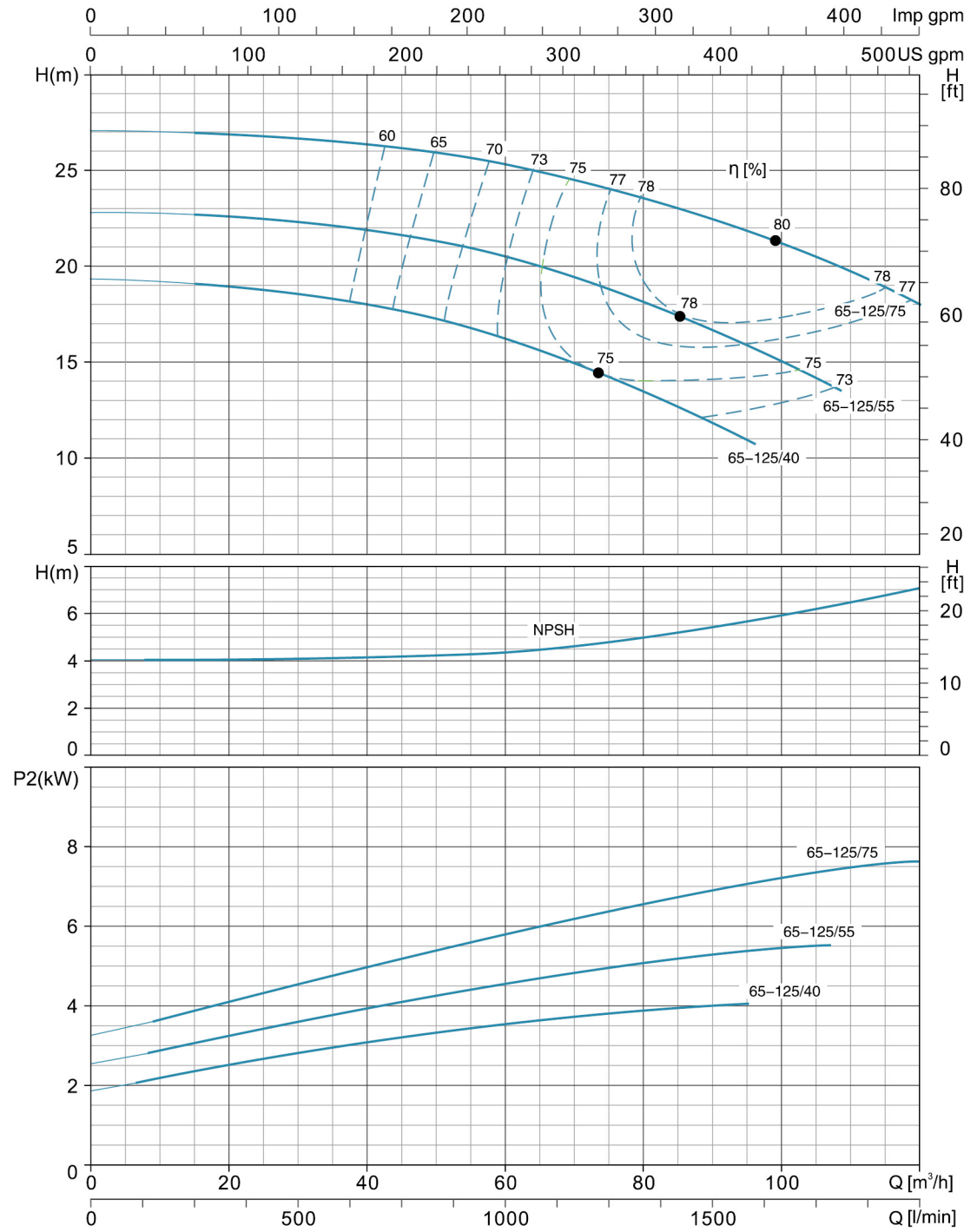
XST50-250	~2900rpm	ISO 9906 Annex A
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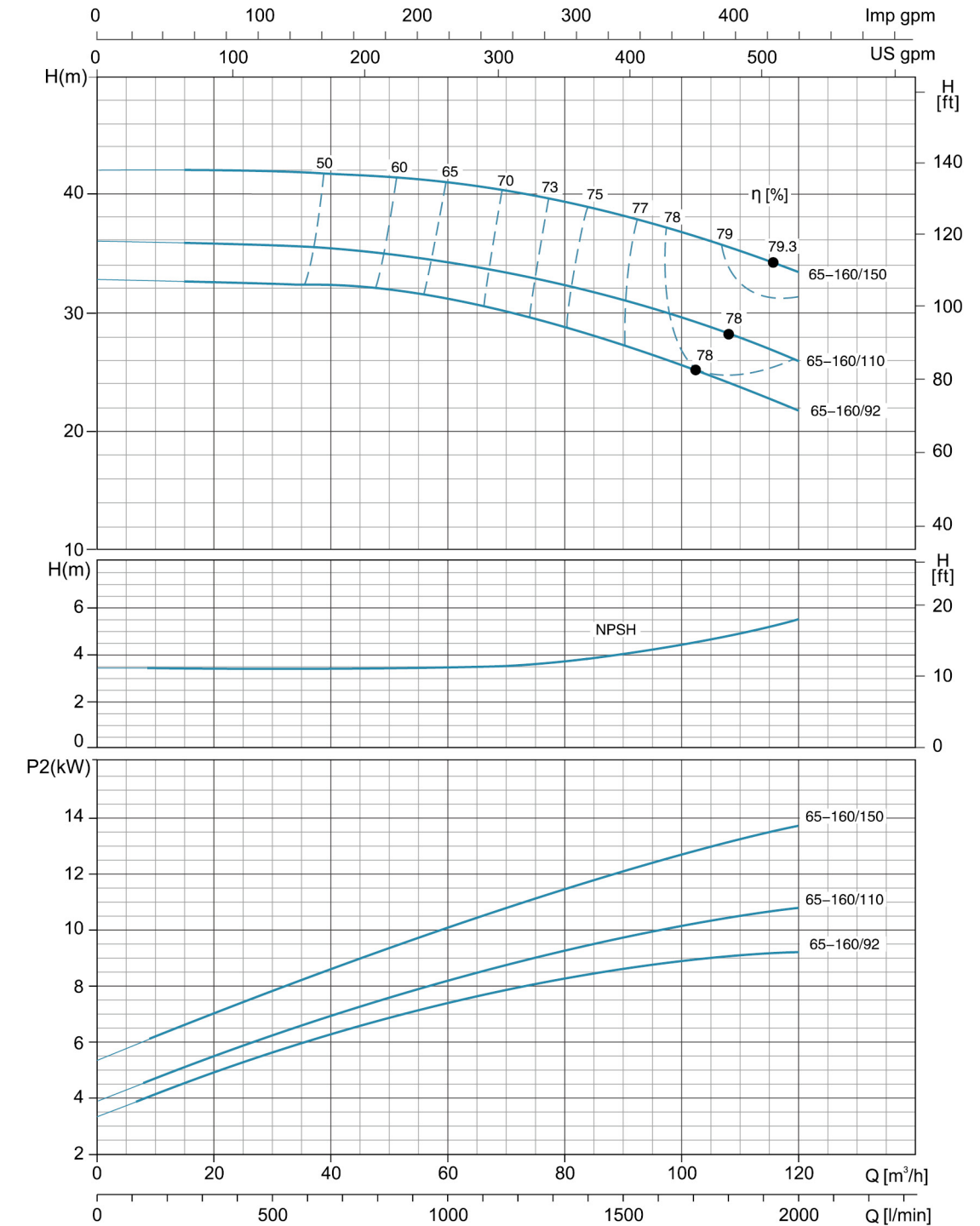
Hydraulic Performance Curves

<b>XST65-125</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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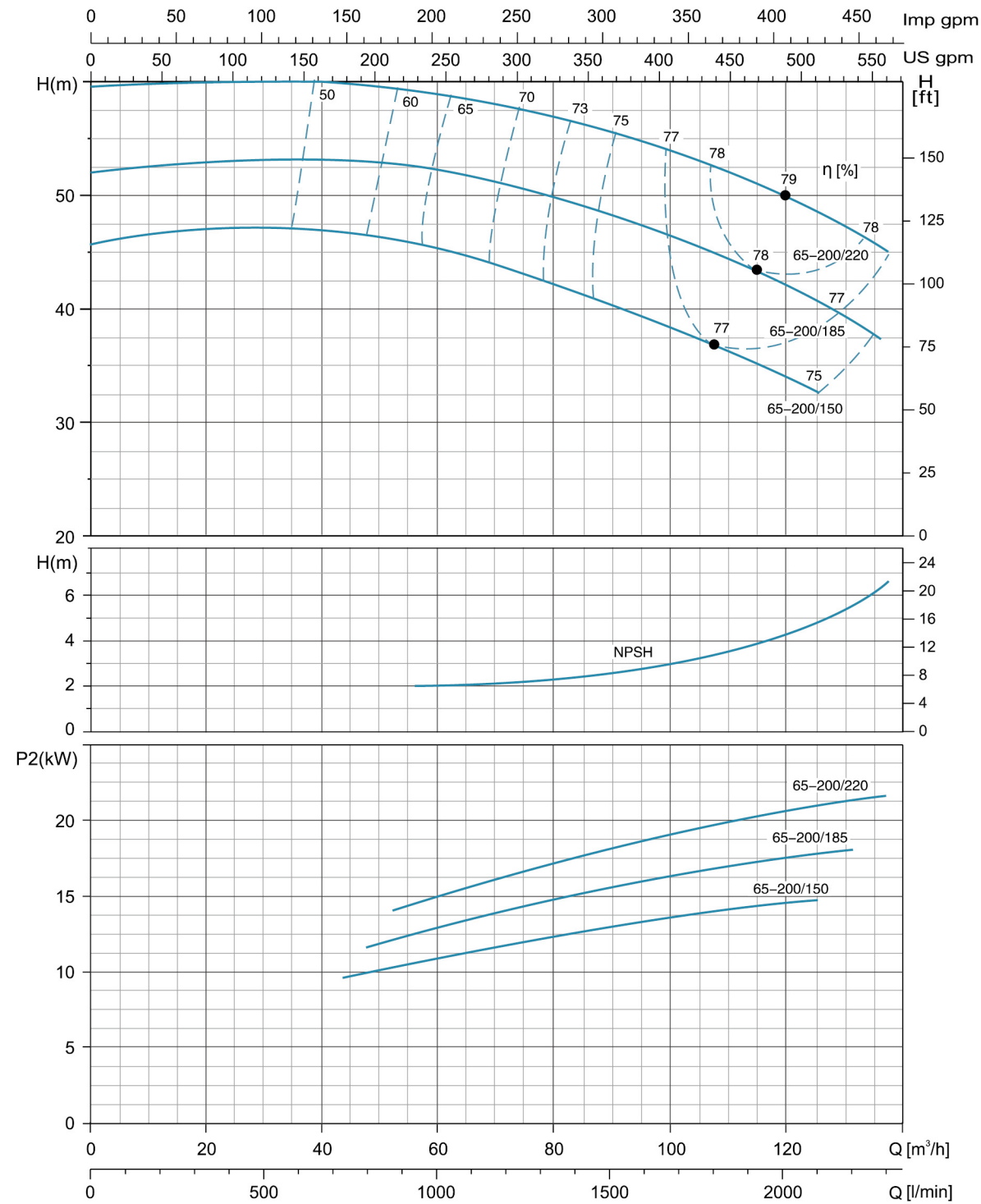
Hydraulic Performance Curves

<b>XST65-160</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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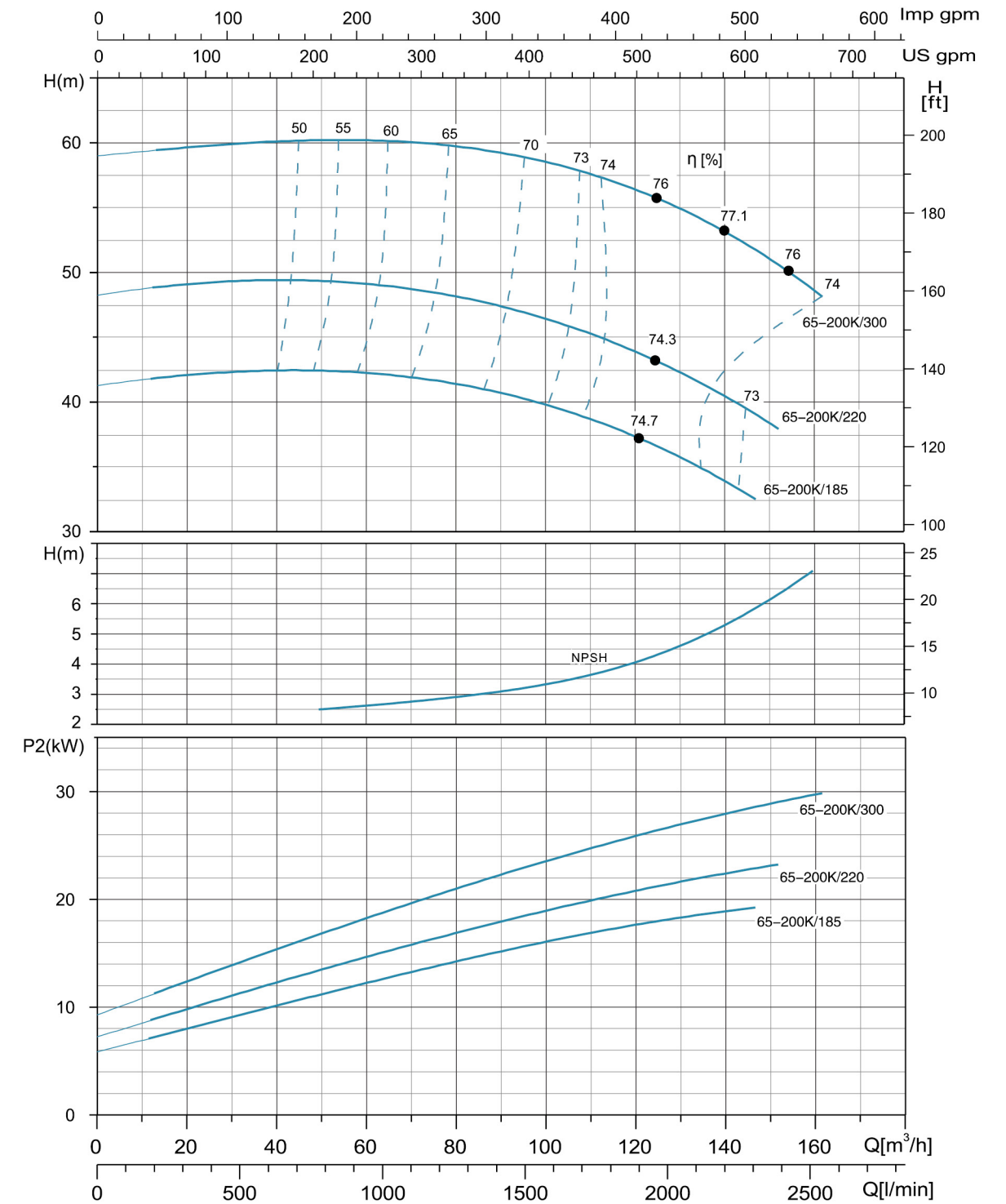
Hydraulic Performance Curves

<b>XST65-200</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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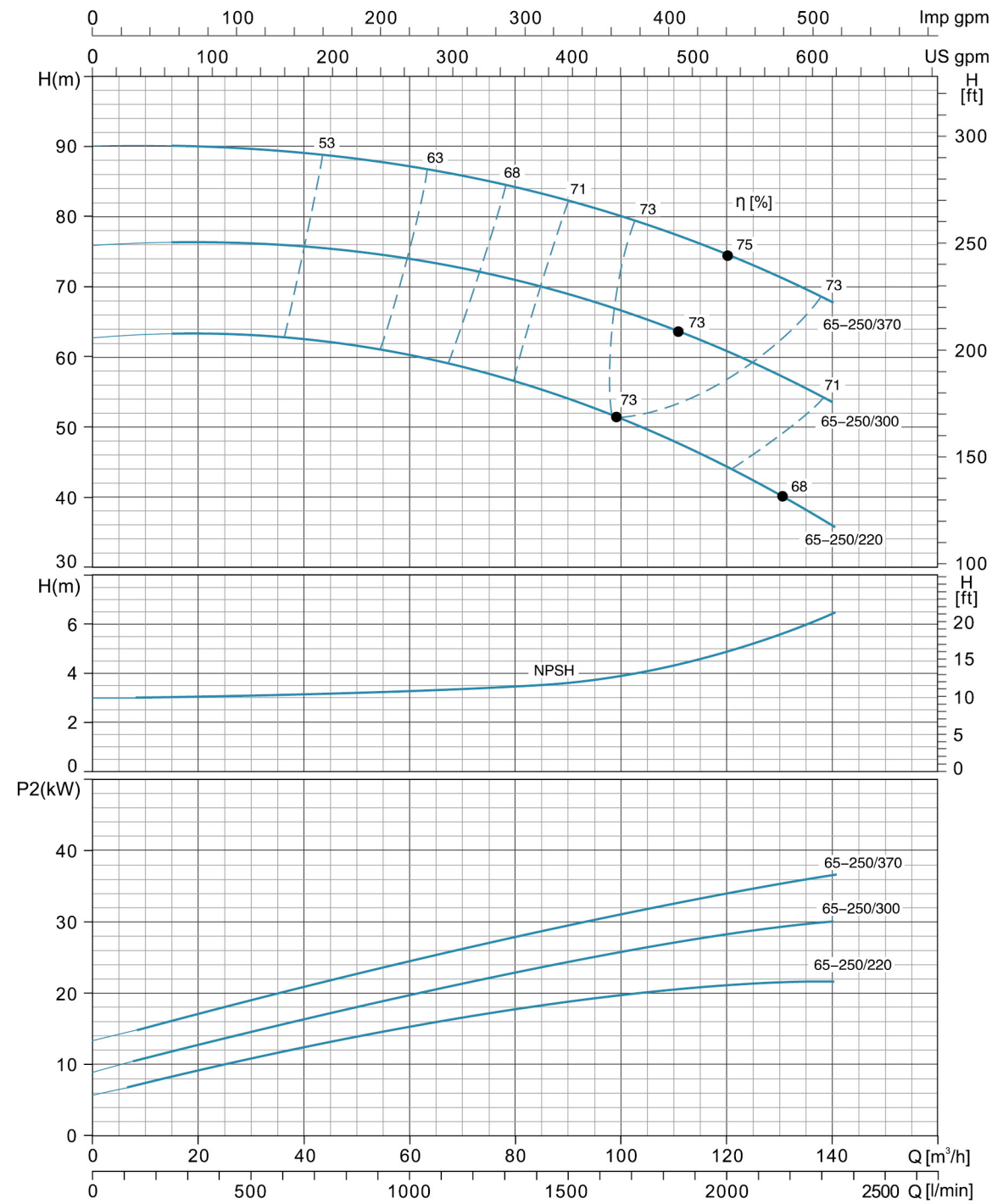
Hydraulic Performance Curves

<b>XST65-200K</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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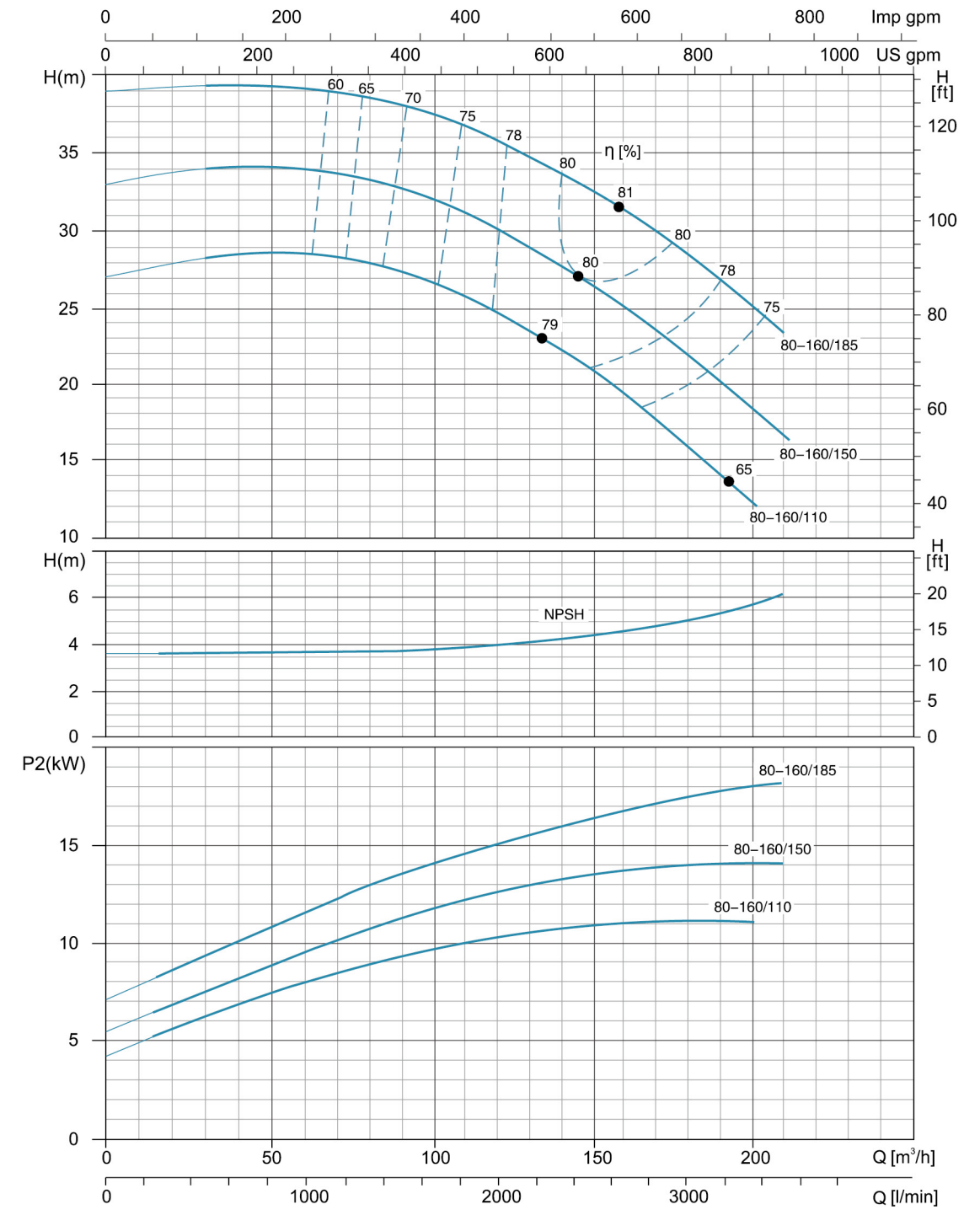
Hydraulic Performance Curves

<b>XST65-250</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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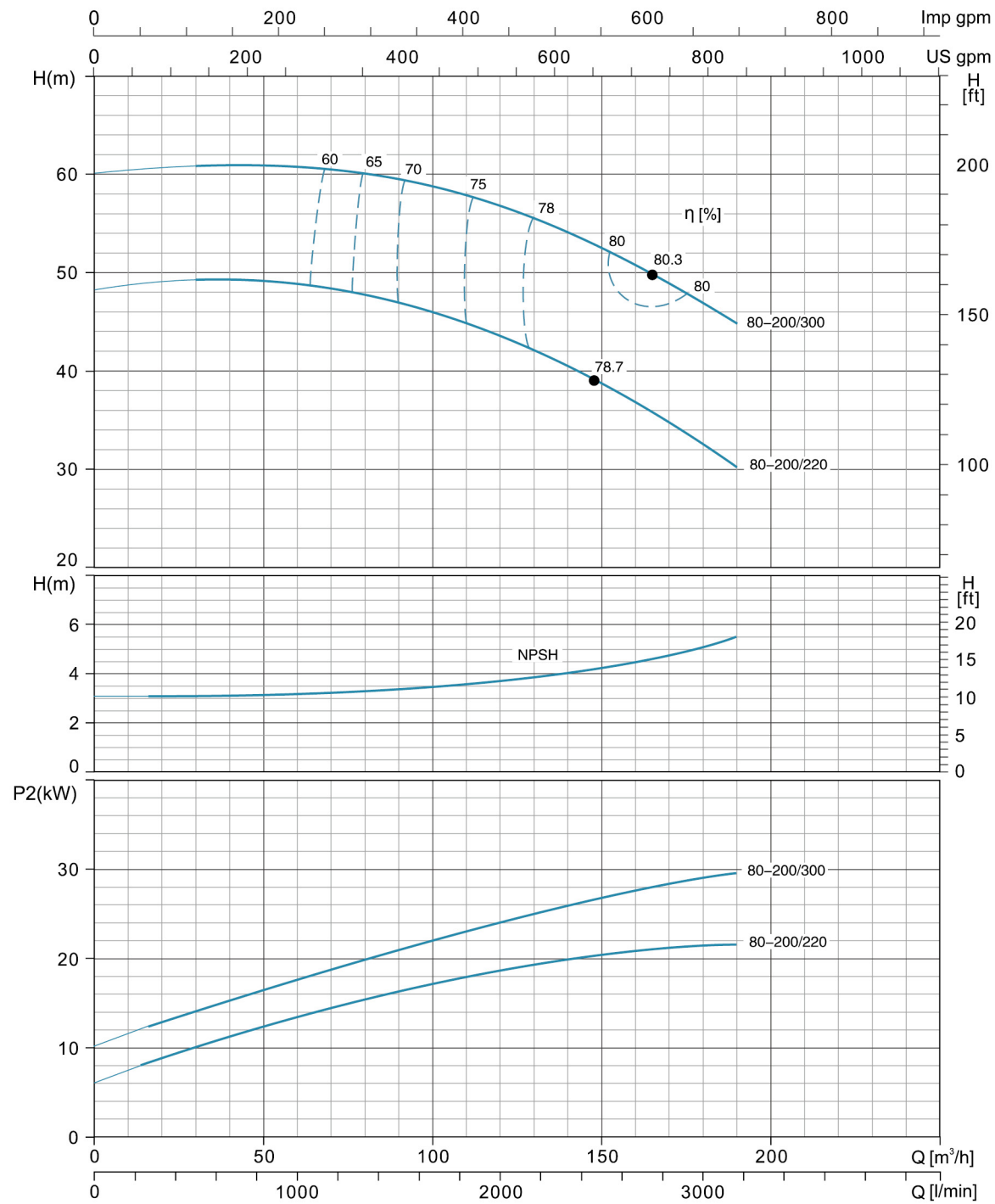
Hydraulic Performance Curves

<b>XST80-160</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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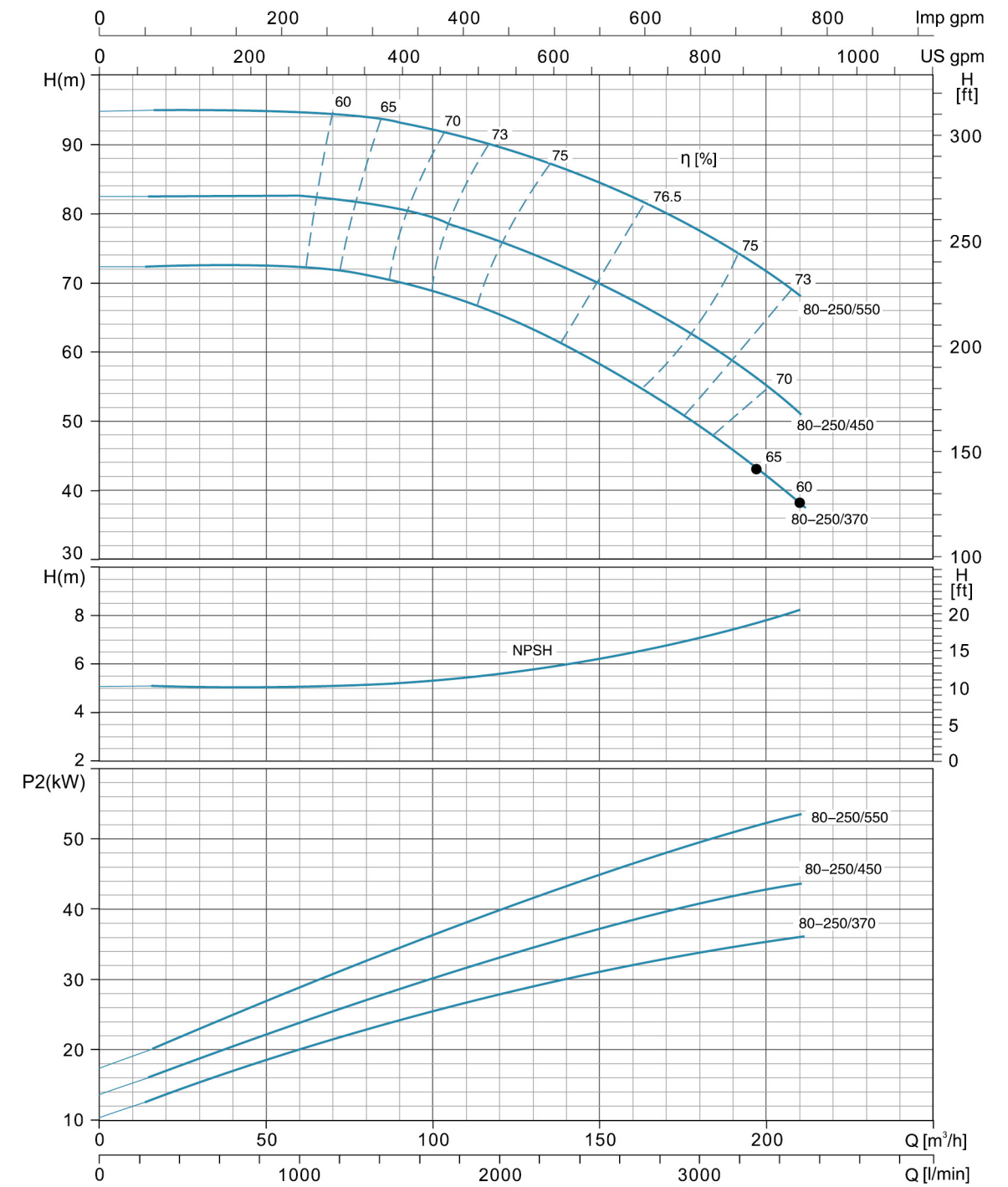
Hydraulic Performance Curves

<b>XST80-200</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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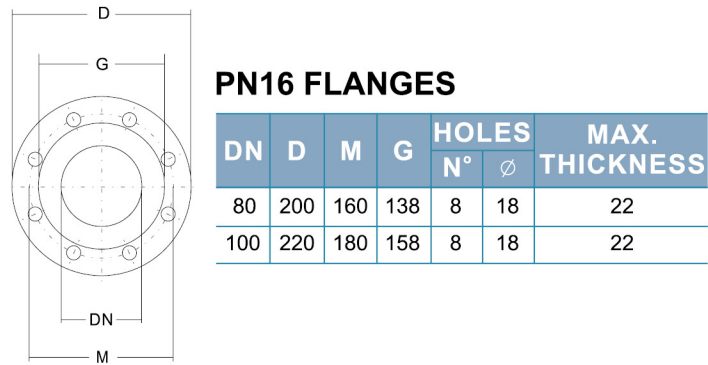
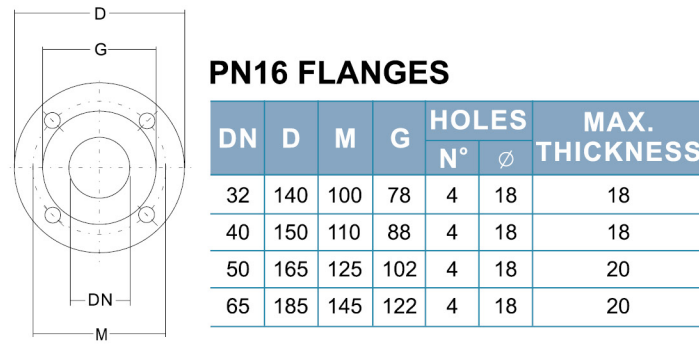


Hydraulic Performance Curves

<b>XST80-250</b>	<b>~2900rpm</b>	<b>ISO 9906 Annex A</b>
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**Flange Dimensions**



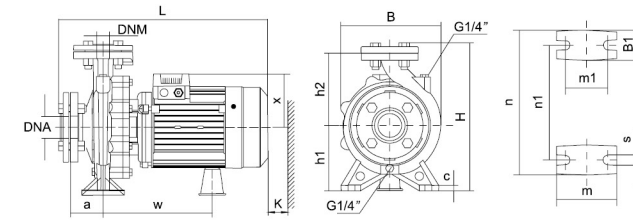
**Bearing**

Model	Bearing Number
XSTm32-125/7	6304+6204
XST32-125/7	6304+6204
XSTm32-125/11	6304+6204
XST32-125/11	6304+6204
XSTm40-125/11	6205+6205
XST40-125/11	6205+6205
XSTm32-160/15	6205+6204
XST32-160/15	6205+6204
XSTm40-125/15	6205+6205
XST40-125/15	6205+6205
XSTm32-160/22	6205+6205
XST32-160/22	6205+6204
XSTm40-125/22	6305+6205
XSTm50-125/22	6305+6205
XST40-125/22	6305+6205
XST50-125/22	6206+6205
XSTm32-160/30	6205+6205
XST32-160/30	6205+6205
XST32-200/30	6206+6205
XST40-160/30	6206+6205
XST50-125/30	6206+6205
XST32-200/40	6206+6205
XST40-160/40	6206+6205
XST50-125/40	6206+6205
XST65-125/40	6306+6206
XST32-250/55	6306+6206
XST40-200/55	6306+6206
XST50-160/55	6306+6206
XST65-125/55	6306+6206
XST32-250/75	6306+6206

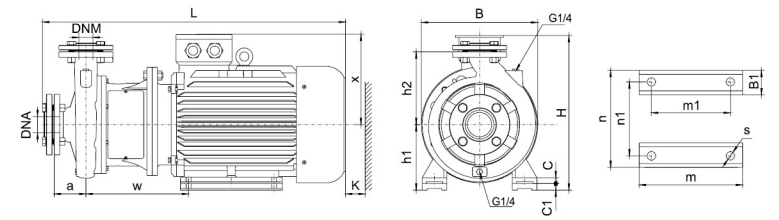
Model	Bearing Number
XST40-200/75	6306+6206
XST50-160/75	6306+6206
XST65-125/75	6306+6206
XST40-250/92	6309+6309
XST50-200/92	6309+6309
XST65-160/92	6309+6309
XST40-250/110	6309+6309
XST50-200/110	6309+6309
XST65-160/110	6309+6309
XST80-160/110	6309+6309
XST40-250/150	6309+6309
XST50-250/150	6309+6309
XST65-160/150	6309+6309
XST65-200/150	6309+6309
XST80-160/150	6309+6309
XST50-250/185	6309+6309
XST65-200/185	6309+6309
XST80-160/185	6309+6309
XST65-200K/185	6309+6309
XST50-250/220	6311+6311
XST65-200/220	6311+6311
XST65-250/220	6311+6311
XST80-200/220	6311+6311
XST65-200K/220	6311+6311
XST65-250/300	6312+6312
XST80-200/300	6312+6312
XST65-200K/300	6312+6312
XST65-250/370	6312+6312
XST80-250/370	6312+6312
XST80-250/450	6314+6314
XST80-250/550	6314+6314

**Installation Sketch**

0.75~7.5kW



9.2~55kW



Model	DNM	DNA	a	w	x	h2	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K		
32-125/7				223	113	140	48	12		112					190	140	15	192	281	427	85
32-125/11					123																
32-160/15					141	160	50	16		132											
32-160/22																					
32-160/30																					
32-200/30																					
32-200/40																					
32-250/55																					
32-250/75																					
40-125/11																					
40-125/15																					
40-125/22					127	140	45			112	100	70	210	160				218	282	489	95
40-160/30																					
40-160/40																					
40-200/55																					
40-200/75																					
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80-250/450																					
80-250/550																					