

XST

Standard
Centrifugal Pump



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
- Fire-fighting system

Operating Conditions

- Delivery: up to 200 m³/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 the pump's suction port
- Impeller: 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
- Enclosures class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max. ambient temperature: +40°C
- Overload protection
- For the model that ≥ 9.2 Kw: Equipped with IE2 motor, IE3 motor available on request

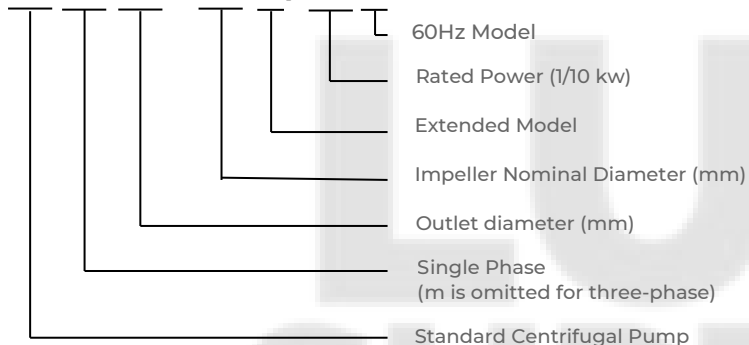
For the model that ≥ 7.5 Kw, the following 4 models can be equipped with an IE3 motor. (XST40-160/30, XST40-160/40, XST50-160/55, XST50-160/75)

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)
- The pump body, impeller, and bracket are treated by e-coating to get better rust resistance.

Identification Codes

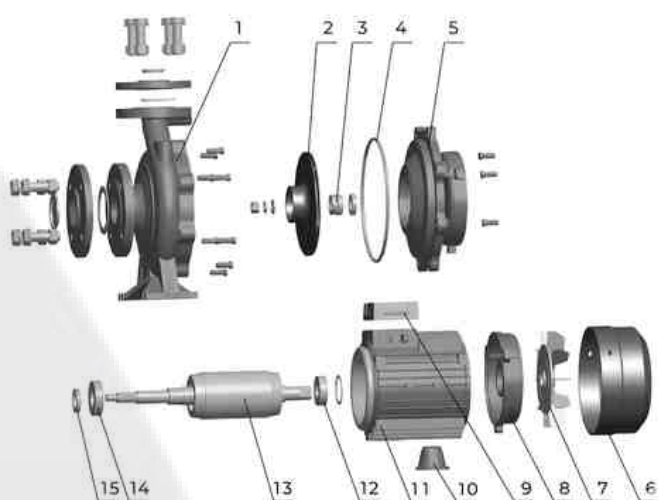
XST m - 65 - 200 K / 185 A



XST Standard Centrifugal Pump

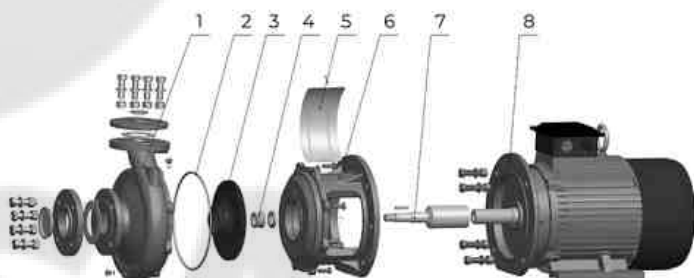
Material Table

Exploded diagram of 7.5 kW and below



No.	Part	Material
1	Pump body	HT200
2	Impeller	HT200 / 06Cr19Ni10
3	Mechanical seal	
4	O-ring	NBR
5	Connection body	HT200
6	Wind cover	08F
7	Fan	PP
8	Back cover	ZL102
9	Cover box	ABS
10	Brace	HT200
11	Stator	
12	Bearing	
13	Rotor	
14	Bearing	
15	Skeleton seal	

Exploded diagram above 7.5 kW



No.	Part	Material
1	Pump body	HT200
2	O-ring	NBR
3	Impeller	HT200 / 06Cr19Ni10
4	Machinery Seal	
5	Guard plate	06Cr19Ni10
6	Connection body	HT200
7	Pump shaft	45/06Cr19Ni10
8	Motor	

XST

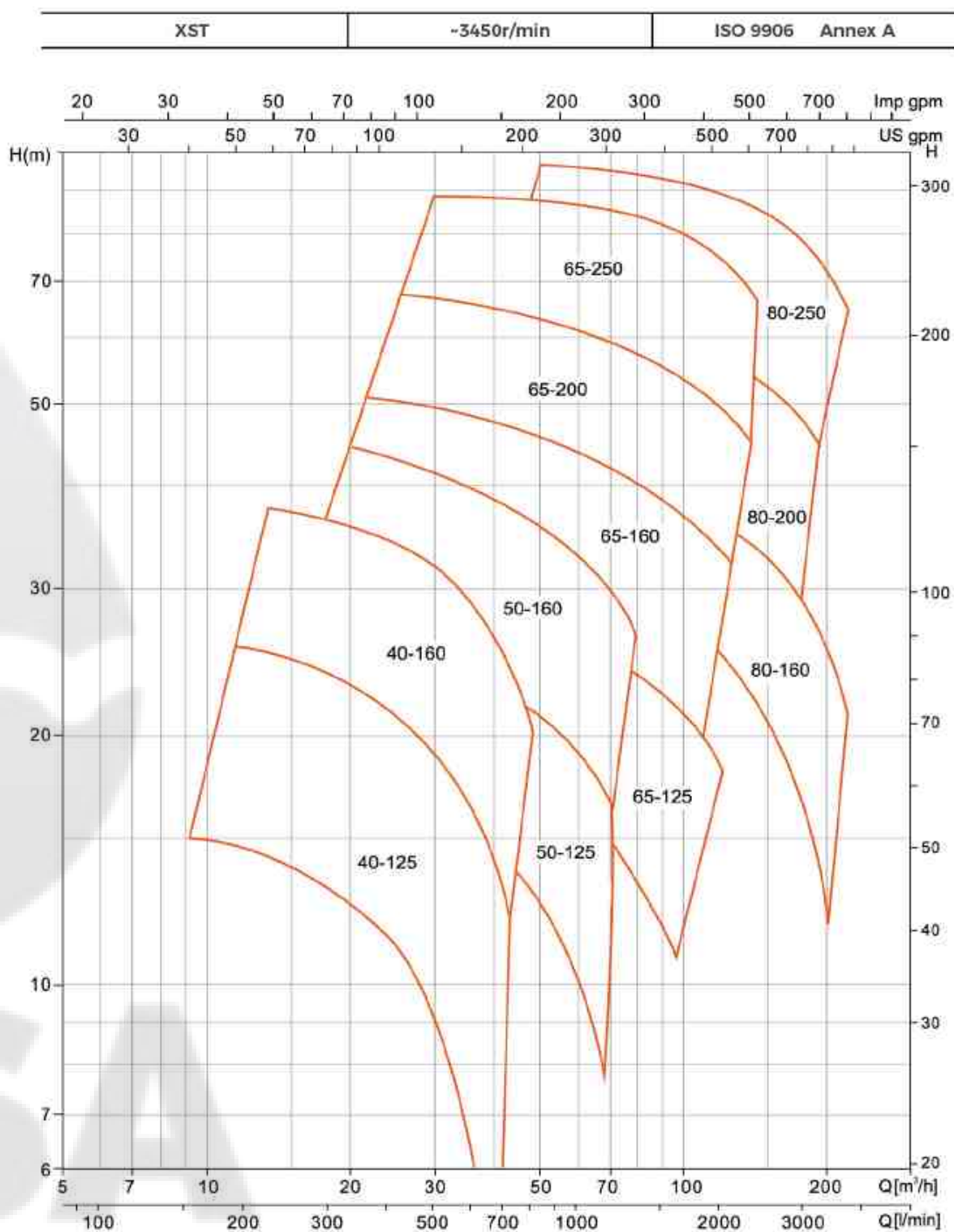
Standard
Centrifugal Pump

performance Parameter

Model	Power		Q(m³/h)	0	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210
	kW	HP	Q(l/min)	0	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500
XST40-125/11A △	1.1	1.5		14.7	13	11.5	10.1	-	-	-	-	-	-	-	-	-	-	-	-
XST40-125/15A △	1.5	2		18.1	17	15	13.9	-	-	-	-	-	-	-	-	-	-	-	-
XST40-125/22A △	2.2	3		24.5	23.2	21.5	20.2	16	12	-	-	-	-	-	-	-	-	-	-
XST40-160/30A	3	4		31.8	29	27.5	26.3	21.5	17.5	-	-	-	-	-	-	-	-	-	-
XST40-160/40A	4	5.5		38	36	34	33	28.5	25	20.1	-	-	-	-	-	-	-	-	-
XST50-125/22A △	2.2	3		17	-	-	-	15.4	14	12.8	11.5	-	-	-	-	-	-	-	-
XST50-125/30A	3	4		20	-	-	-	18.8	18	17	15.6	-	-	-	-	-	-	-	-
XST50-125/40A	4	5.5		24	-	-	-	23.1	22.6	21.5	20.3	15.8	-	-	-	-	-	-	-
XST50-160/55A	5.5	7.5		32	-	-	-	30.6	30	28	26.6	20.5	-	-	-	-	-	-	-
XST50-160/75A	7.5	10		40	-	-	-	38	37	36	34.4	29	-	-	-	-	-	-	-
XST65-125/40A	4	5.5		19	-	-	-	-	17.3	16.8	14.5	13	11.8	-	-	-	-	-	-
XST65-125/55A	5.5	7.5		23	-	-	-	-	21.3	20.9	19	17.5	16.7	13.7	-	-	-	-	-
XST65-125/75A	7.5	10		27	-	-	-	-	26	25.6	24.5	23	22.5	20	18	-	-	-	-
XST65-160/92A	9.2	12.5		33	-	-	-	-	-	31.5	30	28	27.1	24	21.5	-	-	-	-
XST65-160/110A	11	15		36	-	-	-	-	-	34.5	33	31.5	30.8	28	25.5	-	-	-	-
XST65-160/150A	15	20		42	-	-	-	-	-	41	40	38.5	37.8	35	33	-	-	-	-
XST65-200/150A	15	20		45.5	-	-	-	-	-	46	43.5	41	39.2	33	-	-	-	-	-
XST65-200/185A	18.5	25		53	-	-	-	-	-	53.5	51.2	48.3	47	41.5	-	-	-	-	-
XST65-200/220A	22	30		59	-	-	-	-	-	59.5	57.2	54	53	47	43.5	-	-	-	-
XST65-200K/185A	18.5	25		41.2	-	-	-	-	-	-	42	41.2	40.6	38.2	36.5	34	-	-	-
XST65-200K/220A	22	30		48	-	-	-	-	-	-	-	48	47.5	46	44	41	-	-	-
XST65-200K/300A	30	40		59.5	-	-	-	-	-	-	-	59	58.5	58	56.2	54	-	-	-
XST65-250/220A	22	30		62	-	-	-	-	-	61.5	58.2	56.5	54	49	45	-	-	-	-
XST65-250/300A	30	40		76	-	-	-	-	-	75	73	70	69	64	61	54	-	-	-
XST65-250/370A	37	50		90	-	-	-	-	-	88	86	84	82	78	74	68	-	-	-
XST80-160/110A	11	15		27	-	-	-	-	-	-	-	-	-	27.3	26	24.5	22.5	16	-
XST80-160/150A	15	20		32.8	-	-	-	-	-	-	-	-	-	32.5	31.3	30.2	28	22.1	16.7
XST80-160/185A	18.5	25		39	-	-	-	-	-	-	-	-	-	38	36.8	35.7	33.8	28.8	23.5
XST80-200/220A	22	30		48	-	-	-	-	-	-	-	-	-	47.5	46	43.5	41	32.5	-
XST80-200/300A	30	40		60	-	-	-	-	-	-	-	-	-	59.5	58	57	54.5	47	-
XST80-250/370A	37	50		71.5	-	-	-	-	-	-	-	-	-	70.5	67.5	65.5	61.5	49.5	38
XST80-250/450A	45	60		82	-	-	-	-	-	-	-	-	-	80.5	78.5	76.5	72	62	51
XST80-250/550A	55	75		95	-	-	-	-	-	-	-	-	-	93.5	91.2	89.8	86.8	77.6	68.3

Models marked with "△" have both single phase and three phase type, other models only have three phase type

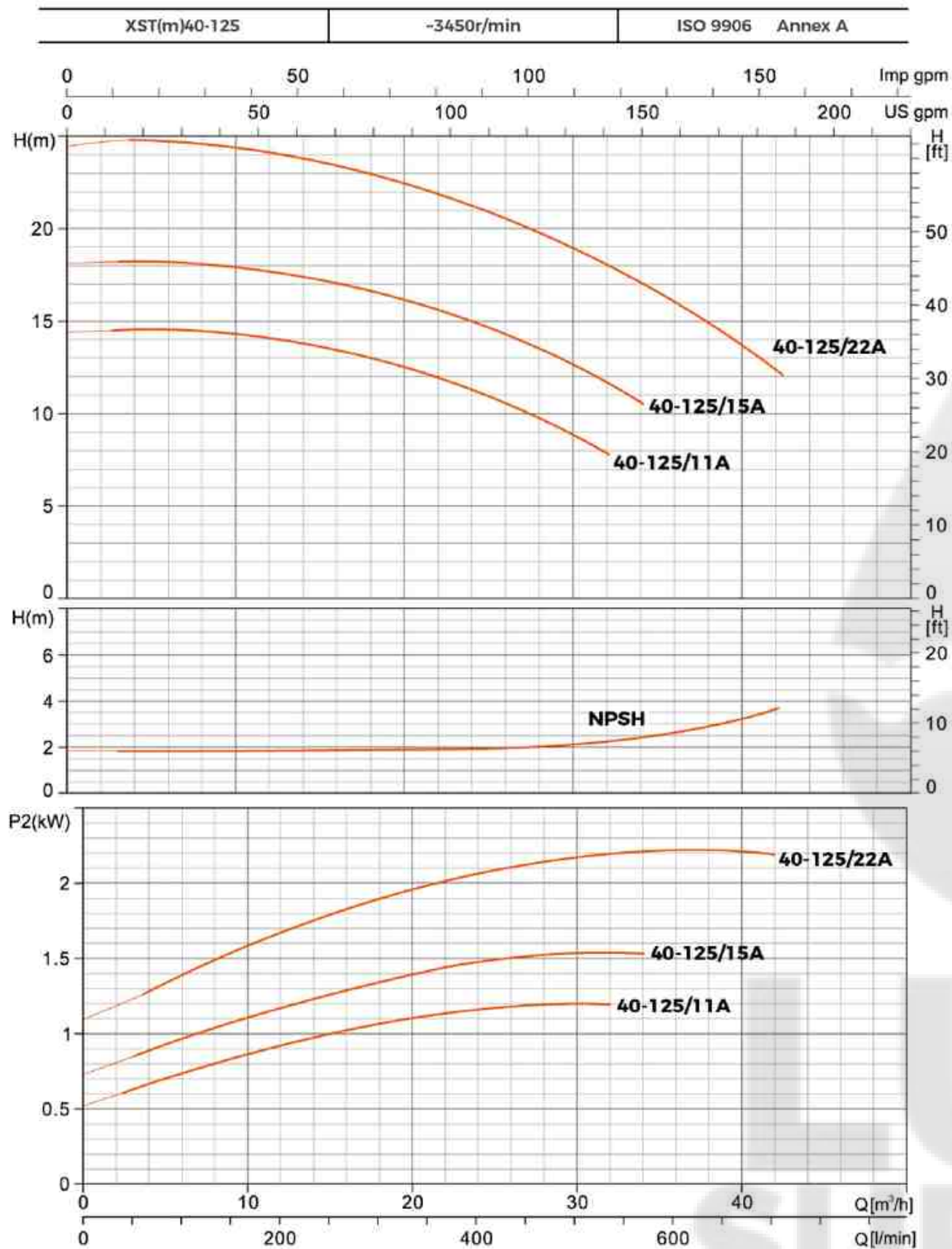
Characteristic Curves



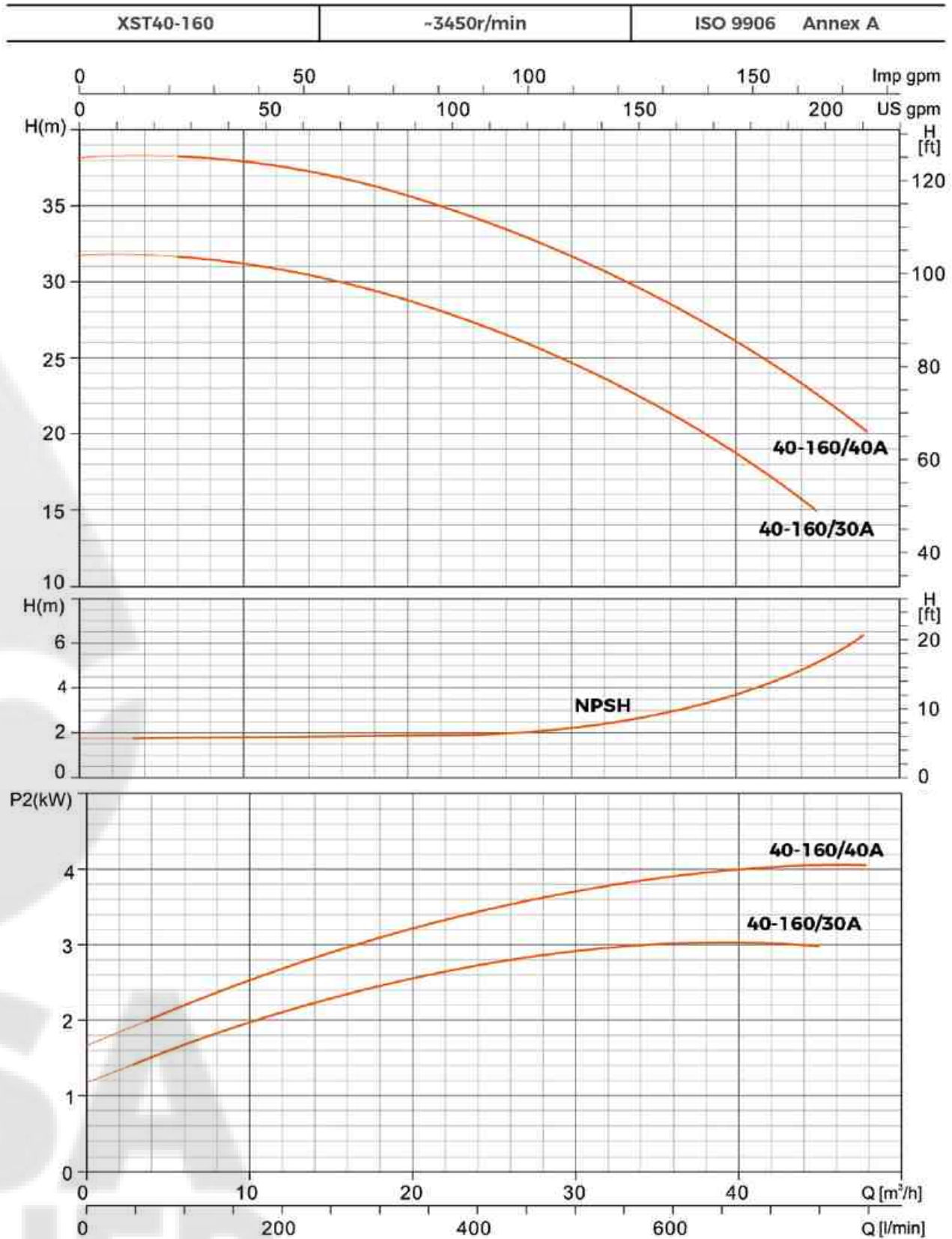
XST

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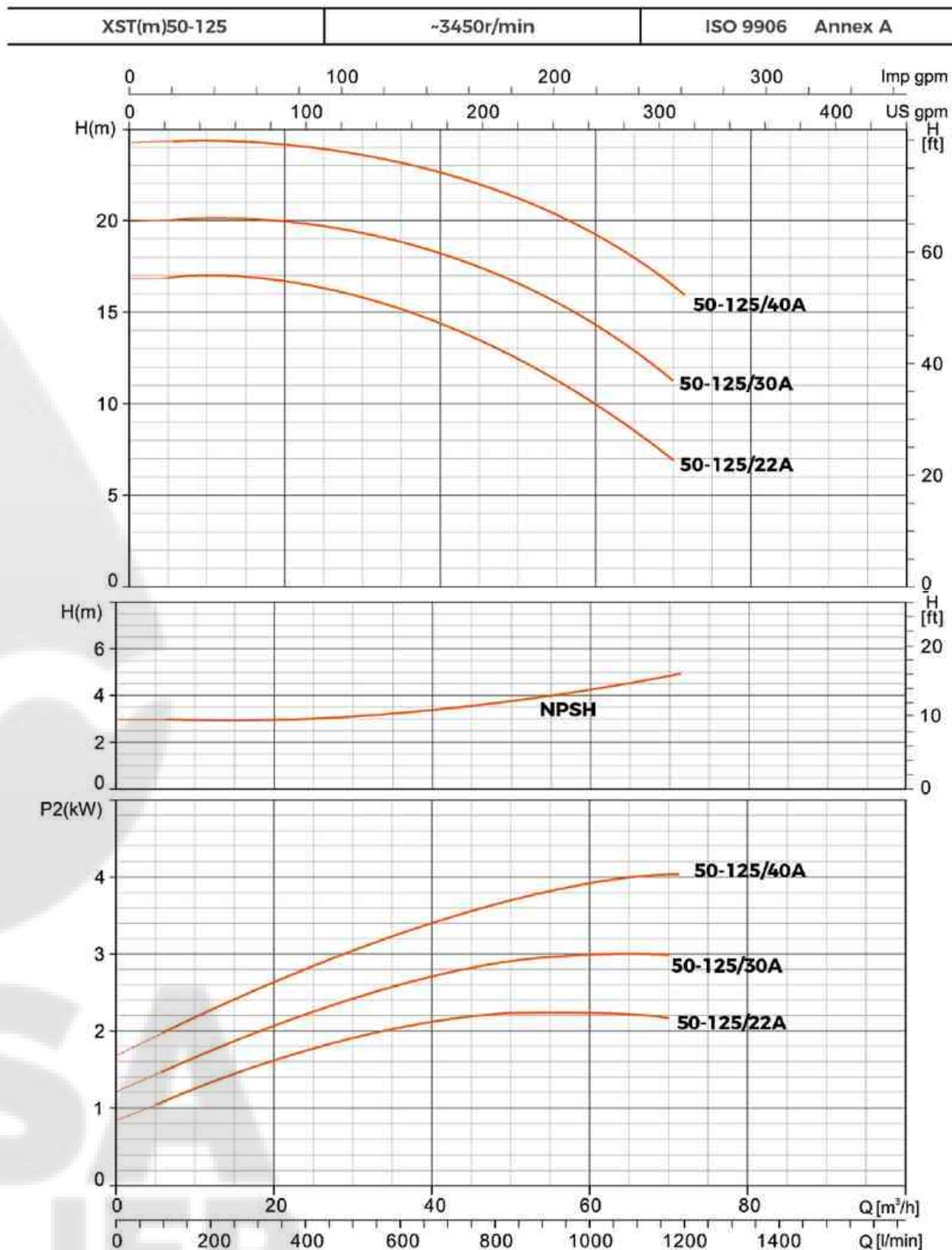
Hydraulic Performance Curves



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Hydraulic Performance Curves

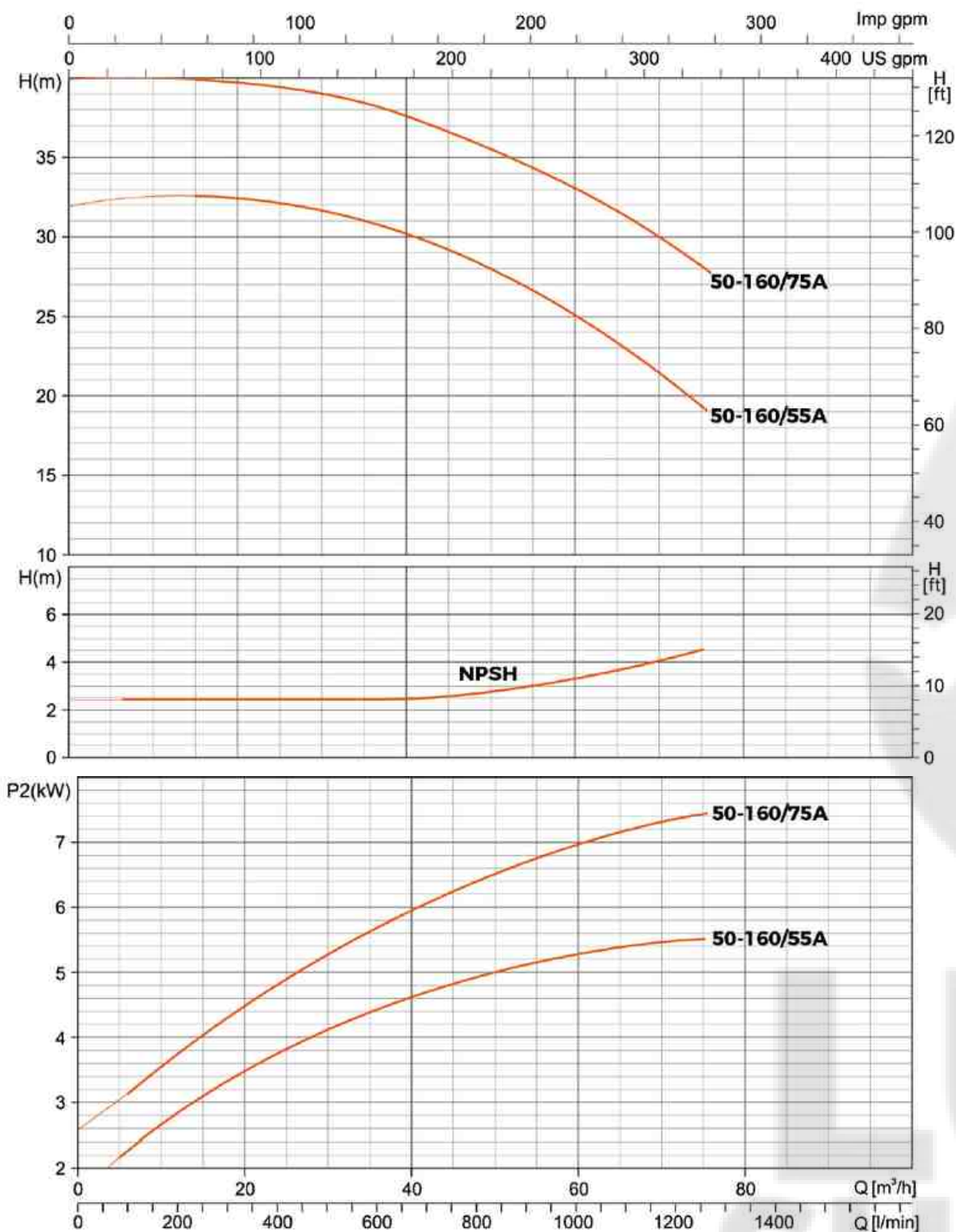


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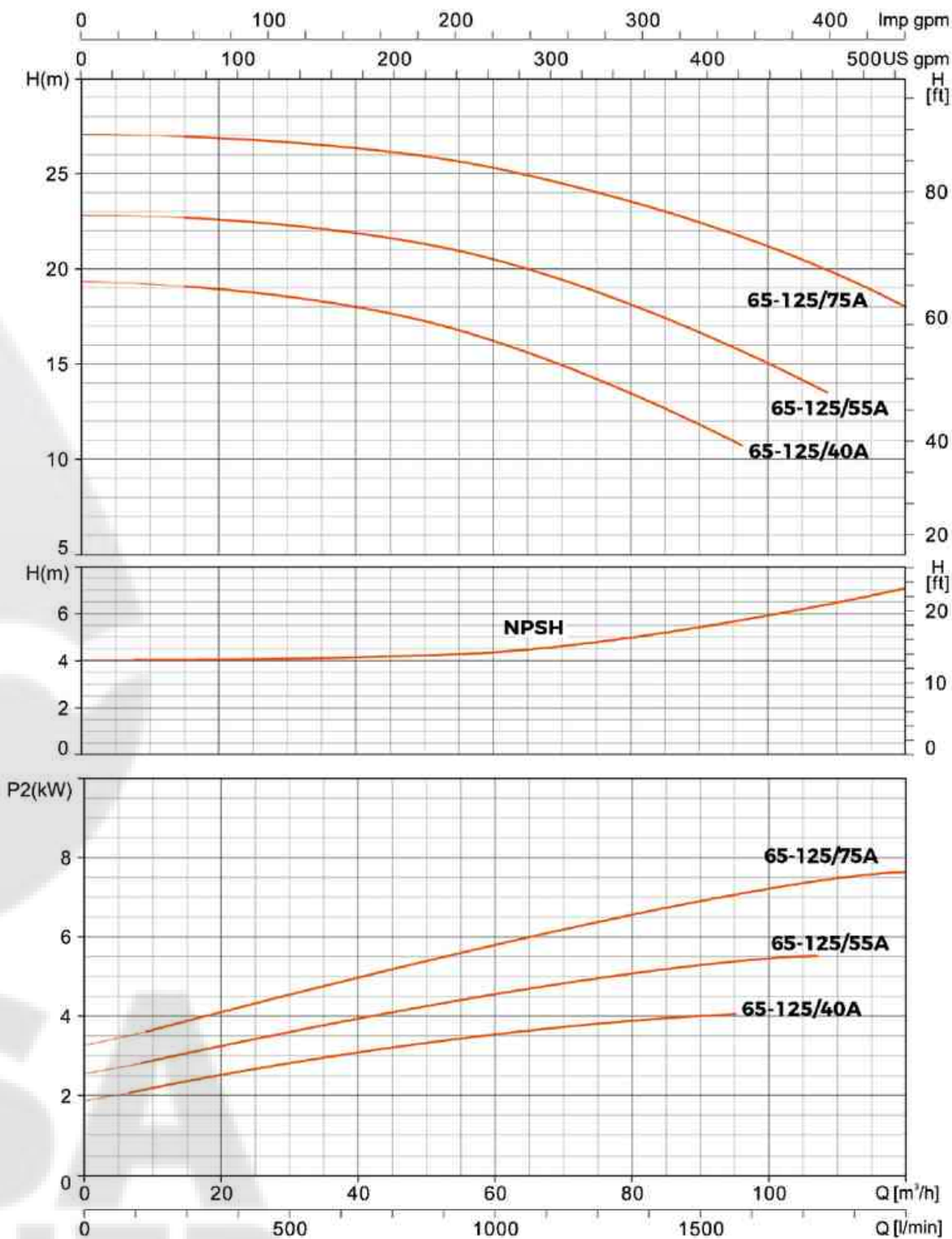
Hydraulic Performance Curves

XST50-160	~3450r/min	ISO 9906 Annex A
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Hydraulic Performance Curves

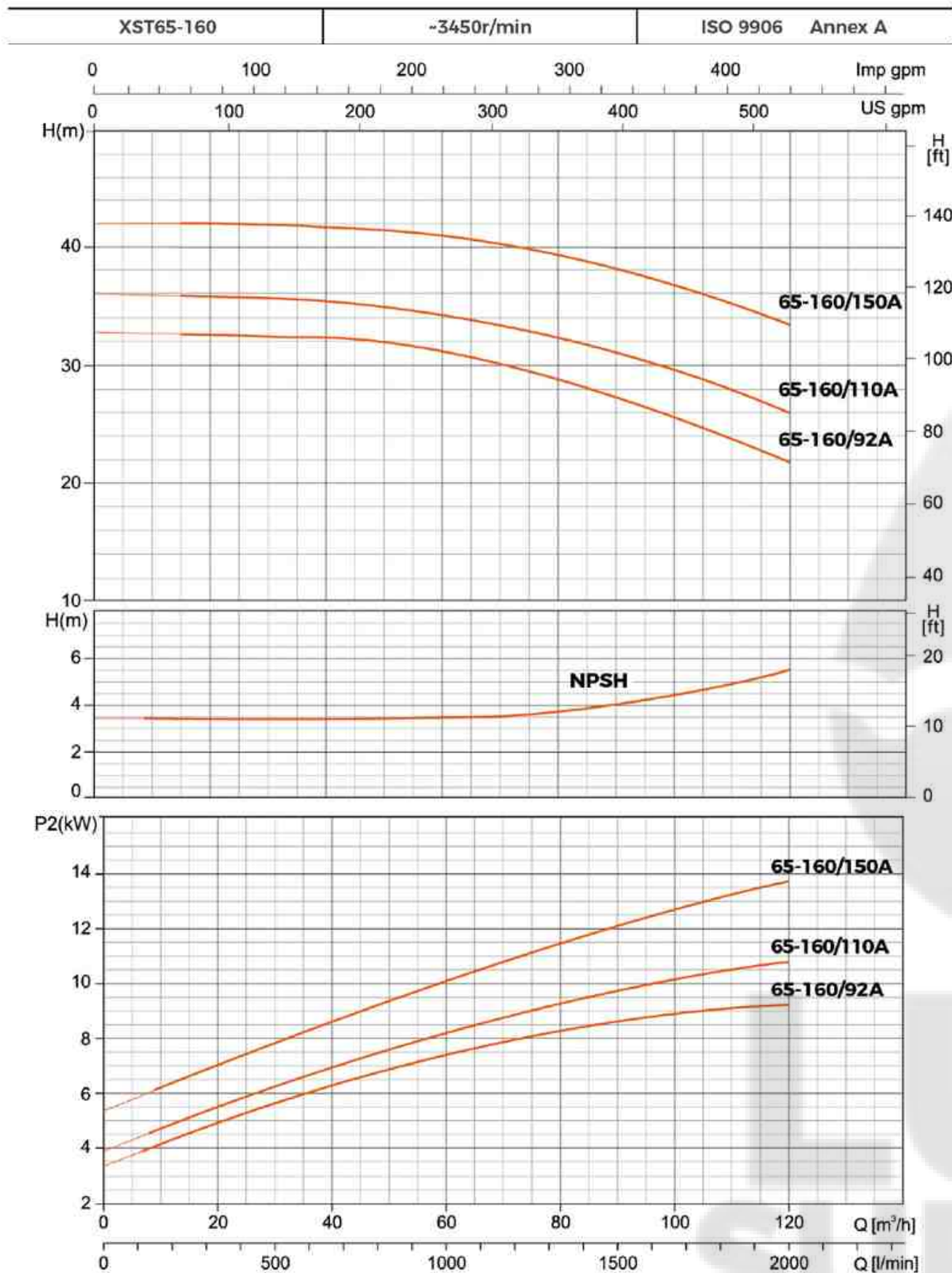
XST65-125	~3450r/min	ISO 9906 Annex A
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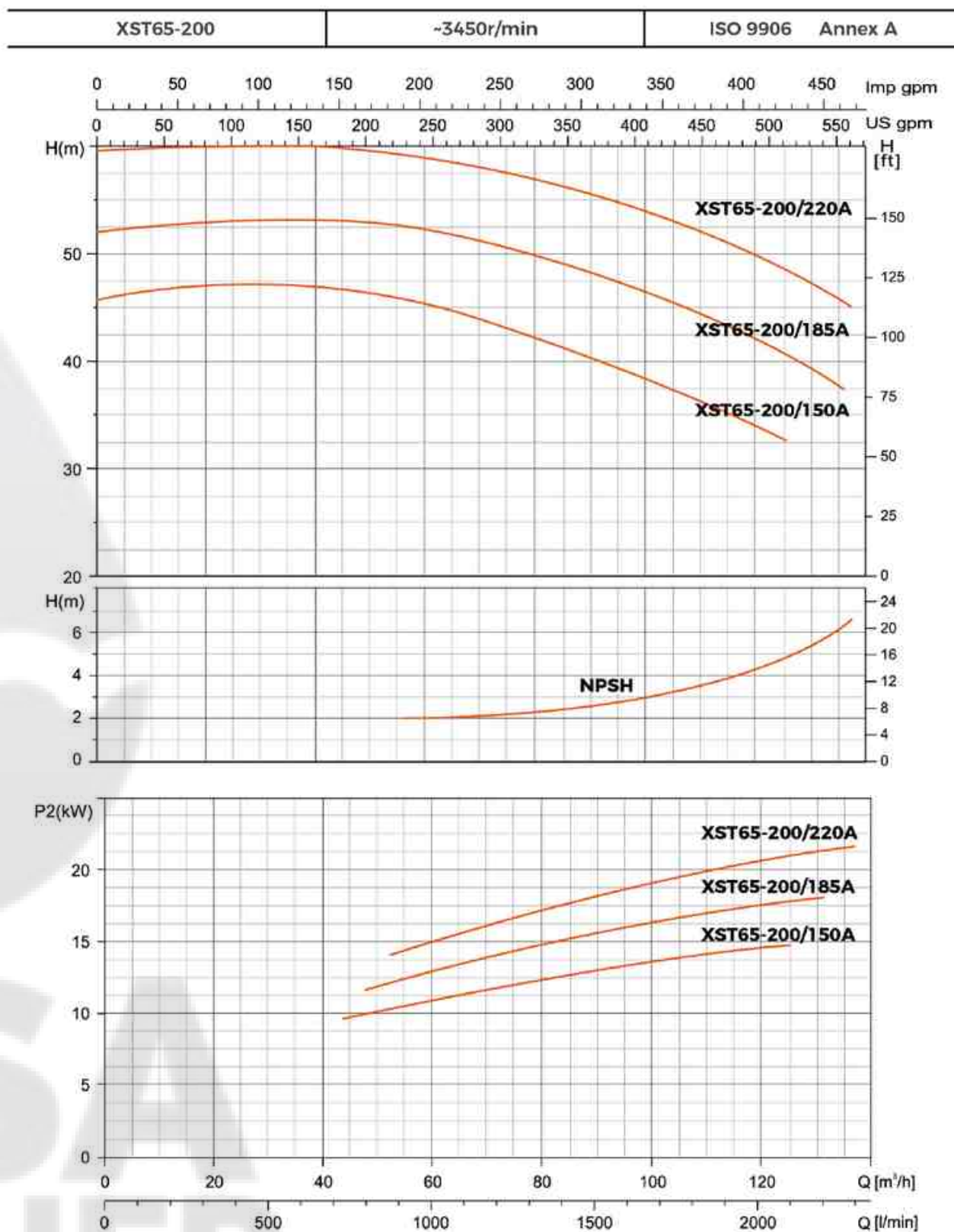
Standard
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Hydraulic Performance Curves



XST Standard Centrifugal Pump

Hydraulic Performance Curves

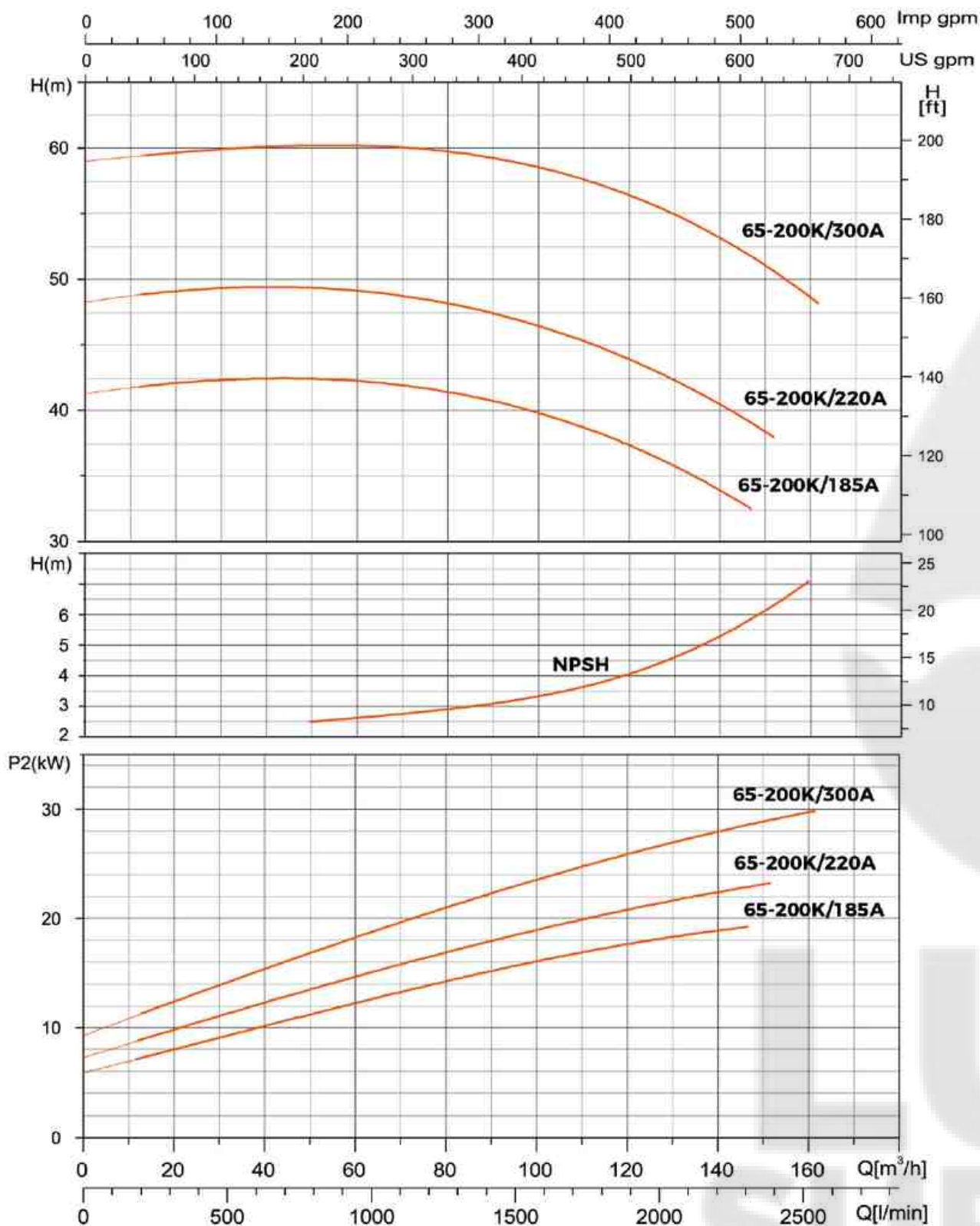


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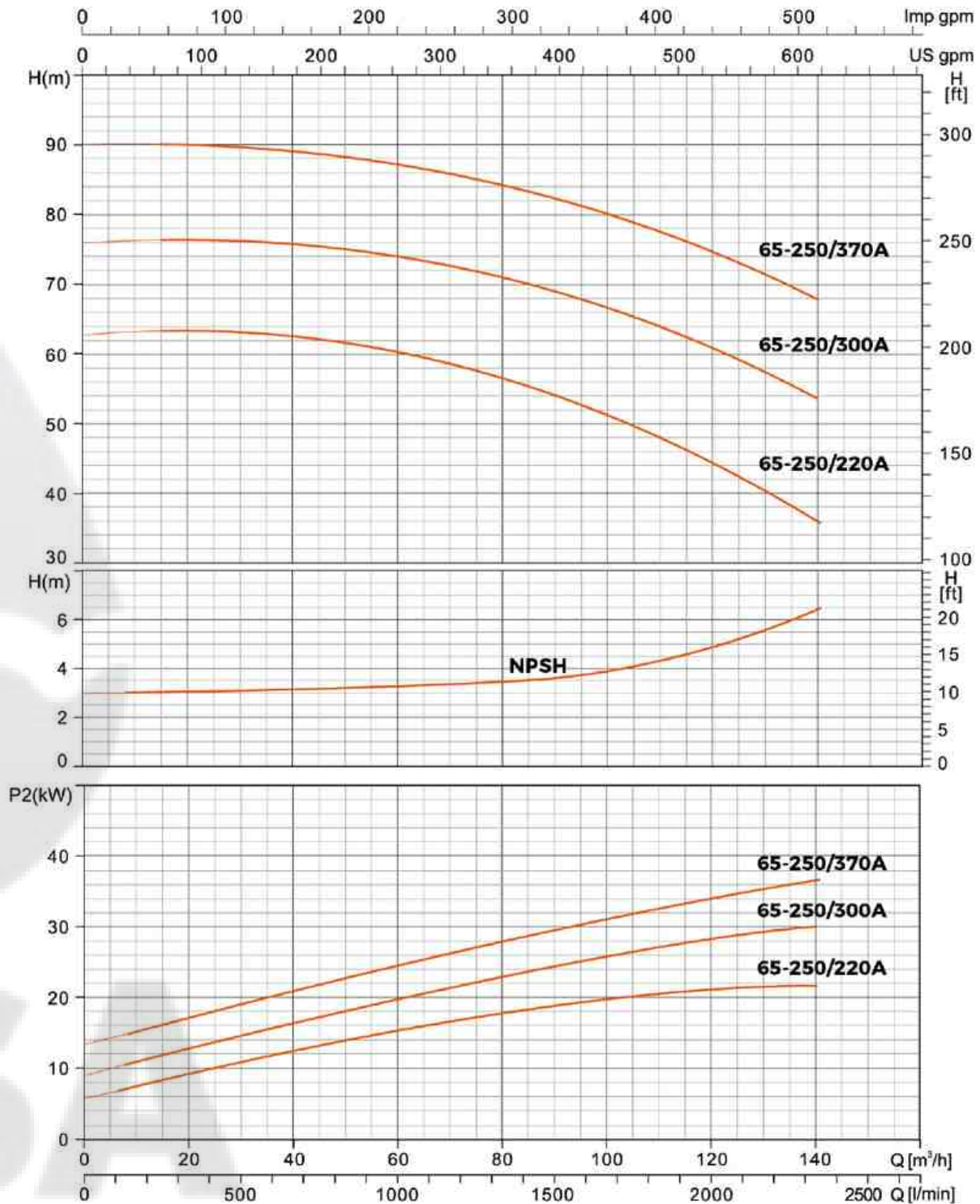
Hydraulic Performance Curves

XST65-200K	~3450r/min	ISO 9906 Annex A
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Hydraulic Performance Curves

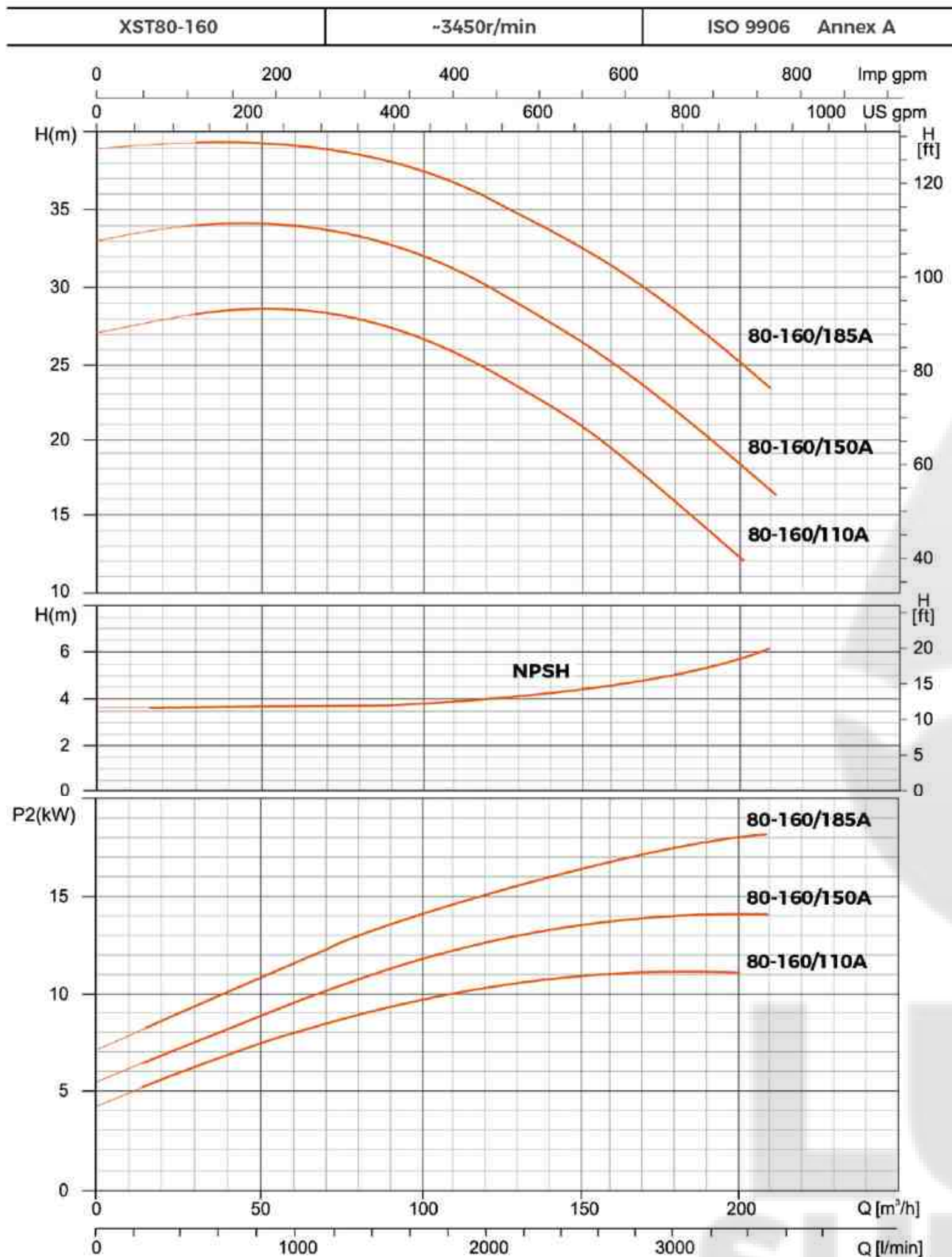
XST65-250	-3450r/min	ISO 9906 Annex A
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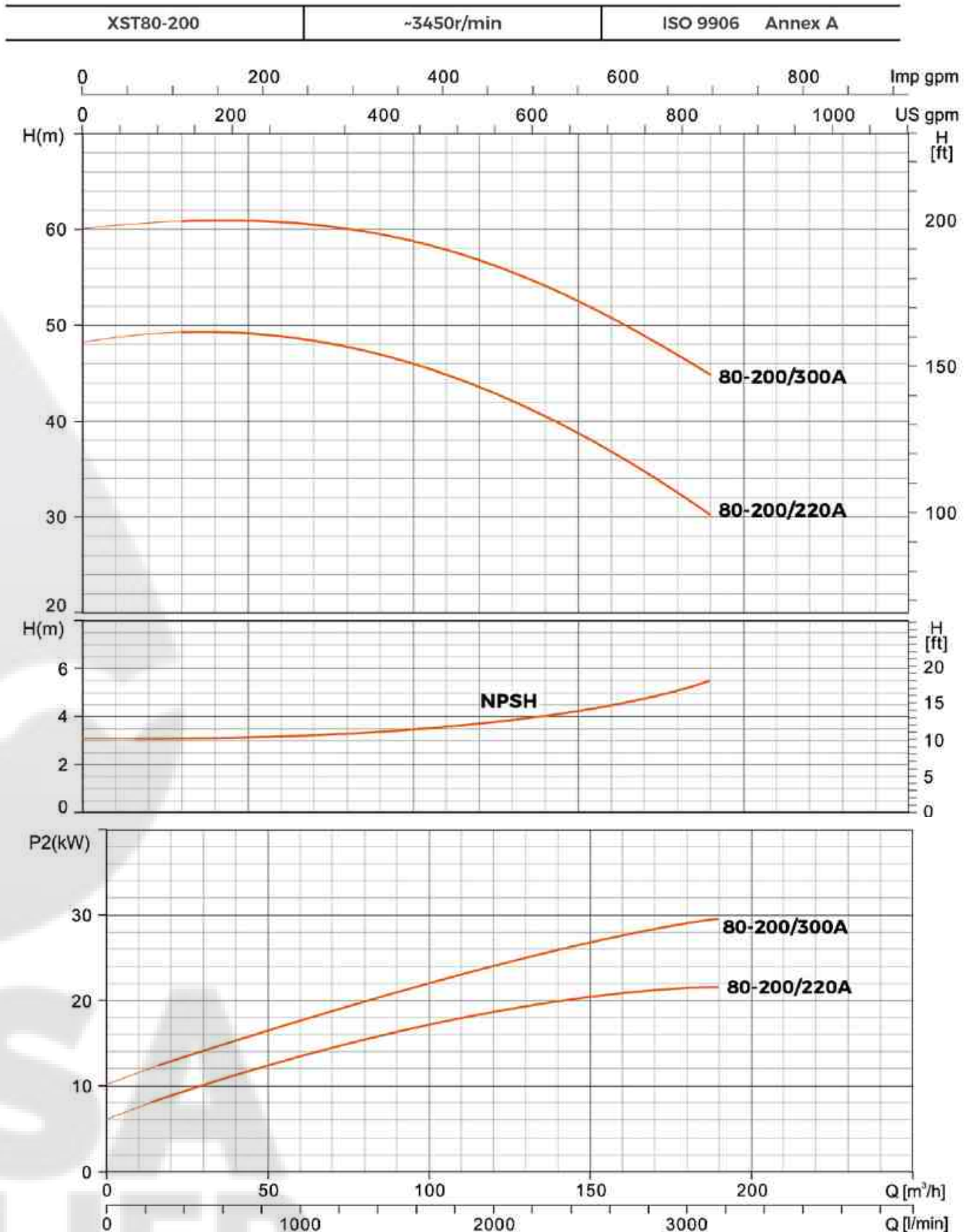
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Centrifugal Pump

Hydraulic Performance Curves



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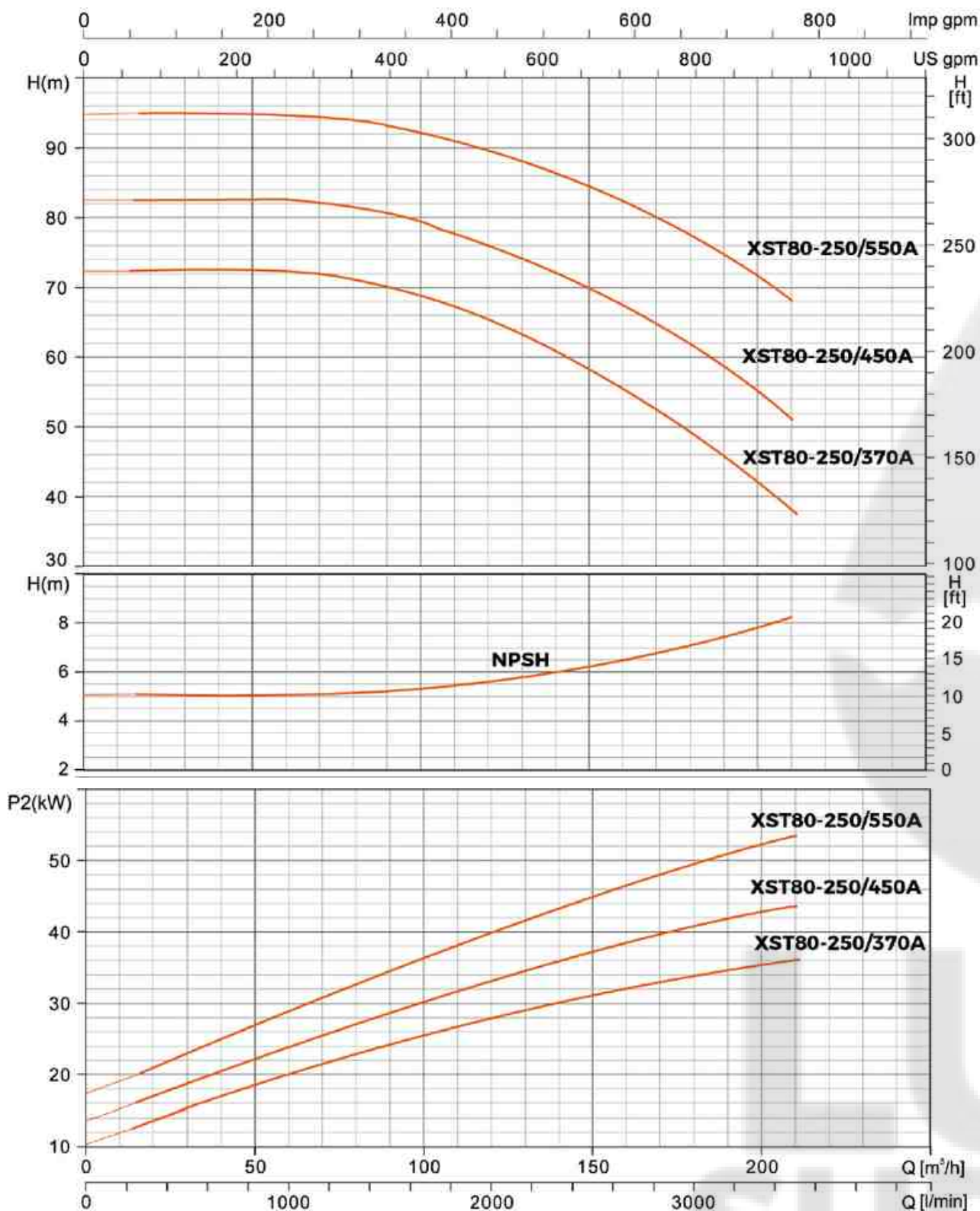


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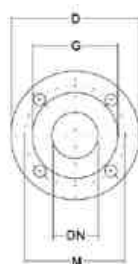
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Hydraulic Performance Curves

XST80-250	~3450r/min	ISO 9906 Annex A
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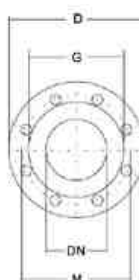


Flange Dimensions



PN16 Flanges

DN	D	M	G	Holes		Max. thickness
				Nº	Φ	
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20



PN16 Flanges

DN	D	M	G	Holes		Max. thickness
				Nº	Φ	
80	200	160	138	8	18	22
100	220	180	158	8	18	22

Bearings

Model	Bearing Number
XST65-160/92A	6309+6309
XST65-160/110A	6309+6309
XST65-160/150A	6309+6309
XST65-200/150A	6309+6309
XST65-200/185A	6309+6309
XST65-200/220A	6311+6311
XST65-200K/185A	6309+6309
XST65-200K/220A	6311+6311
XST65-200K/300A	6312+6312
XST65-250/220A	6311+6311
XST65-250/300A	6312+6312
XST65-250/370A	6312+6312
XSTS0-160/110A	6309+6309
XST80-160/150A	6309+6309
XST80-160/185A	6309+6309
XST80-200/220A	6311+6311
XST80-200/300A	6312+6312
XST80-250/370A	6312+6312
XST80-250/450A	6314+6314
XST80-250/550A	6314+6314

Model	Bearing Number
XST40-125/11A	6205+6205
XST40-125/15A	6205+6205
XST40-125/22A	6305+6205
XST40-160/30A	6206+6205
XST40-160/40A	6206+6205
XST50-125/22A	6206+6205
XST50-125/30A	6206+6205
XST50-125/40A	6206+6205
XST50-160/55A	6206+6206
XST50-160/75A	6206+6206
XST65-125/40A	6206+6206
XST65-125/55A	6206+6206
XST65-125/75A	6206+6206

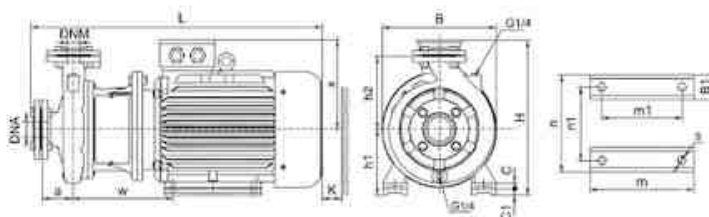
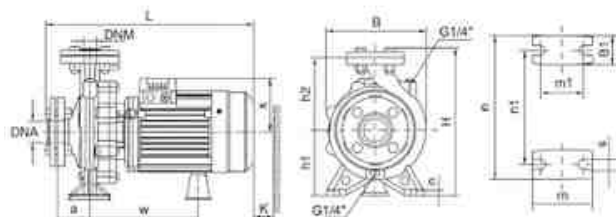
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Installation Sketch

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						
40-125/11A	40	65	80	255	127	140	45	12		112	100	70	210	160	15	218	282	489	95						
40-125/15A																									
40-125/22A				238	127	168	48			240			190	249		330	494	105							
40-160/30A																									
40-160/40A	50	65	100	262	127	160	50			132	160	264	212	272		370	556	586	110						
40-160/55A																									
50-125/22A				262	180	180	52			280	212	283	372	564		594	125								
50-125/30A																									
50-125/40A				265	180	180	68			14	160	125	95	280		212	283	372	564	594	125				
50-160/55A																									
50-160/75A				65	80	100	310			260	200	65	20	20		160	260	210	320	254	14.5	350	420	845	125
65-125/40A																									
65-125/55A	323	275	225				70	22	-	311	241	355	279	440	895	455	925								
65-160/110A																									
65-160/150A	337	260	70				22	-	311	241	355	279	440	895	455	925									
65-200/150A																									
65-200/185A	350	275	70				22	-	311	241	355	279	440	895	455	925									
65-200/220A																									
65-200K/185A	362	305	70				22	-	311	241	355	279	440	895	455	925									
65-200K/220A																									
65-200K/300A	353	275	250				70	22	-	311	241	355	279	440	895	455	925								
65-250/220A																									
65-250/300A	80	100	125	365	305	280	75	28	225	404	311	435	356	18.5	400	505	1050	120							
65-250/370A																									
80-160/110A				433	365	80	30	30	280	450	349	490	406		24	550	646		1192						
80-160/150A																									
80-160/185A				433	365	80	30	30	280	450	349	490	406		24	550	646		1192						
80-200/220A																									
80-200/300A				433	365	80	30	30	280	450	349	490	406		24	550	646		1192						
80-250/370A																									
80-250/450A	433	365	80	30	30	280	450	349	490	406	24	550	646	1192											
80-250/550A																									