

**SPCO®**  
makes life easier



**NDS**  
Double suction  
Split casing Pumps, 50Hz

## Approvals

IEC		IECEE CB SCHEME		CB TEST CERTIFICATE		Ref. Certificate No. CH-5876	
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME							
Issued by:	Electrosuisse						
Product:	Horizontal and vertical multistage pump						
Applicant:	Swiss Pump Company AG	Mosweg 36 CH-3643 Gwall (Thun)	Switzerland				
Manufacturer:	Swiss Pump Company AG	Mosweg 36 CH-3643 Gwall (Thun)	Switzerland				
Factory:	Swiss Pump Company AG	Mosweg 36 CH-3643 Gwall (Thun)	Switzerland				
Rating and principal characteristics:	3 x 350 - 377048 - 480V~, 50/60Hz; 220-230V~, 50/60Hz; 127-230-240V~, 60Hz; class I, IP55						
Trade mark (if any):	Swiss Pump Company AG (SPCO)						
Model/Type reference:	HM..., CH..., VM..., CD..., ND..., CC..., PD..., MB..., QB..., SMF..., CCP..., SCP..., see appendix type list in test report						
Additional information:	---						
Sample of product tested to be in conformity with IEC:	60335-1ed4:am1,am2 60335-2-41ed3:am1,am2		National differences: EU Group Differences; EU Special National Conditions; EU A-Deviations				
Test Report Ref. No.:	06-HQ-0218.01 + .02 + .03 + .05						
This CB Test Certificate is issued by the National Certification Body: Electrosuisse Luppenstrasse 1, CH-8320 Fehraltorf Signed by: Erich Christ 2019-07-27							
						electrosuisse	
						page 1 of 1	



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## Split case centrifugal Pumps

Split casing pumps are designed with double suctions. This kind of pumps are high flow rate, high efficiency, stable operation, low noise and long service life, easy to install and maintain.

Widely used in plant, mine, city water, supply, irrigation, HVAC and vessel industry.

### Applications

- HVAC and cooling tower.
- Municiple water supply.
- Pump station.
- Marine and ship buildings.
- Power planet / Water planet.
- Fire fighting system.

### Operating Condition

Flow Rate(Q) : 36 to 3400 m<sup>3</sup>/h

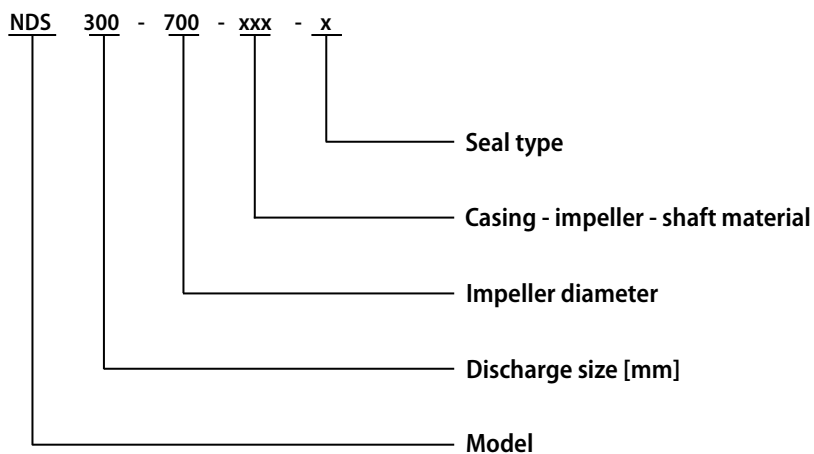
Head(H) : 8 to 190 m

Speed : 1480, 2980 rpm (50Hz)  
: 1780, 3580 rpm (60Hz)

Max. Temp. : 85°C standard,  
optional 105°C

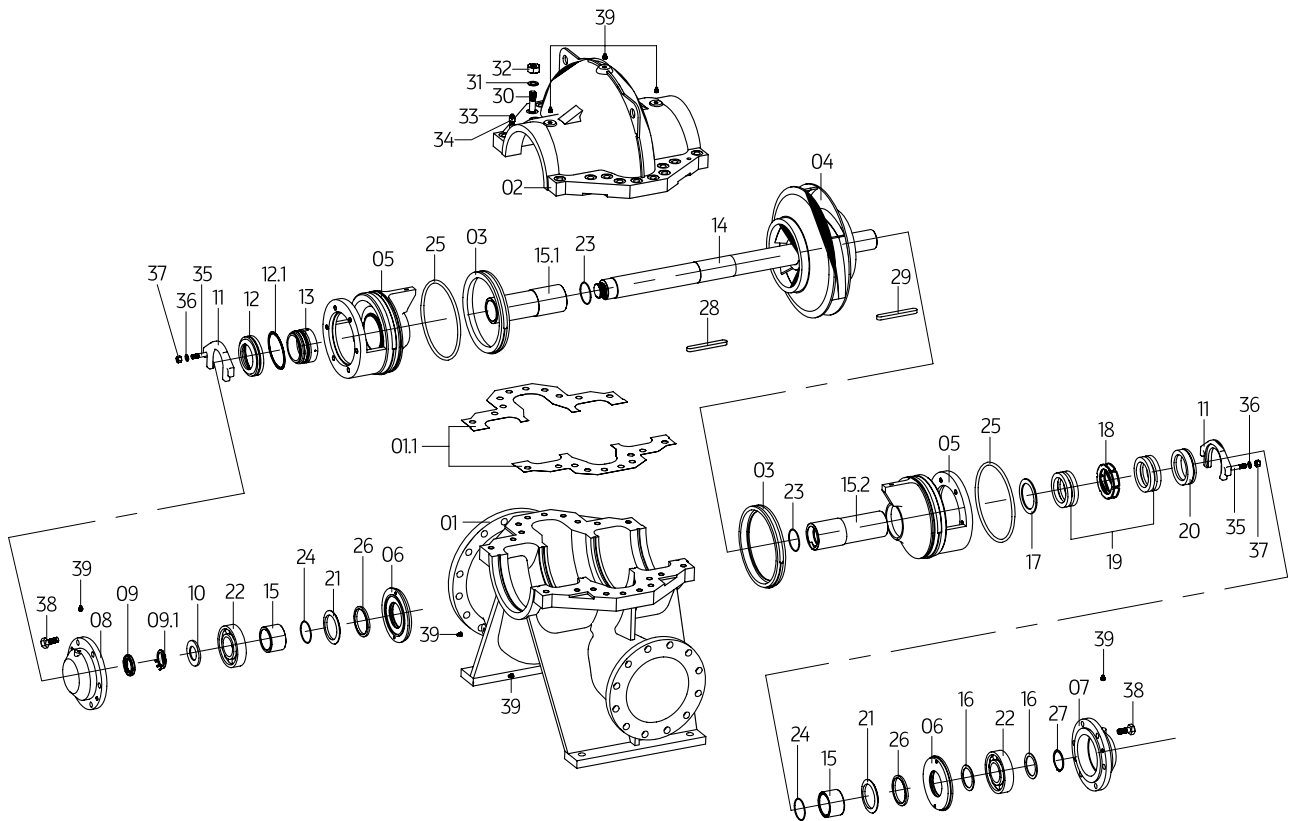
Using pressure: 16Bar standard, optional 25Bar

### Definition of Model





## Spare Parts



Code	Part Name
01	Casing-Bottom
01.1	Casing Gasket
02	Casing-Top
03	Wear Ring
04	Impeller
05	Seal Frame
06	Bearing Cover
07	Bearing Frame-Driving End
08	Bearing Frame-Non-driving End
09	Screw Nut
09.1	Lock Washer for Nut
10	Bearing Slinger
11	Seal Plate
12	Seal Cover
12.1	Seal Cover Gasket

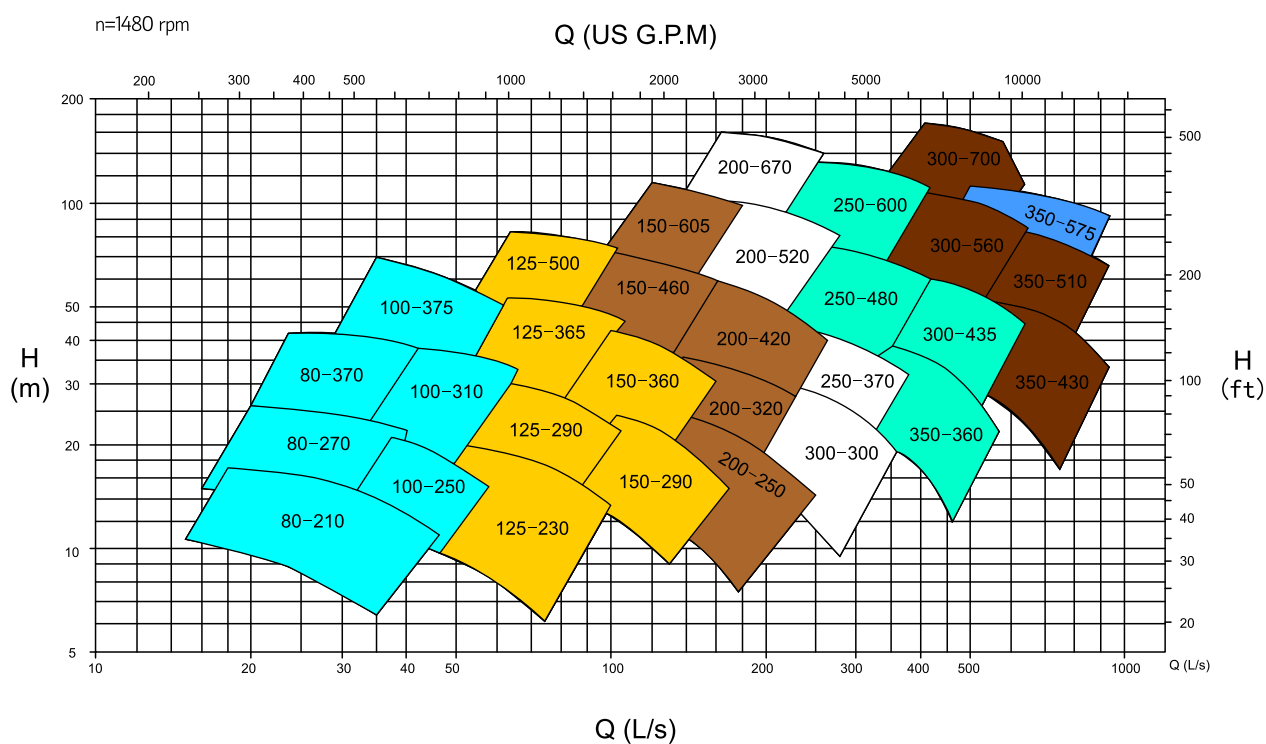
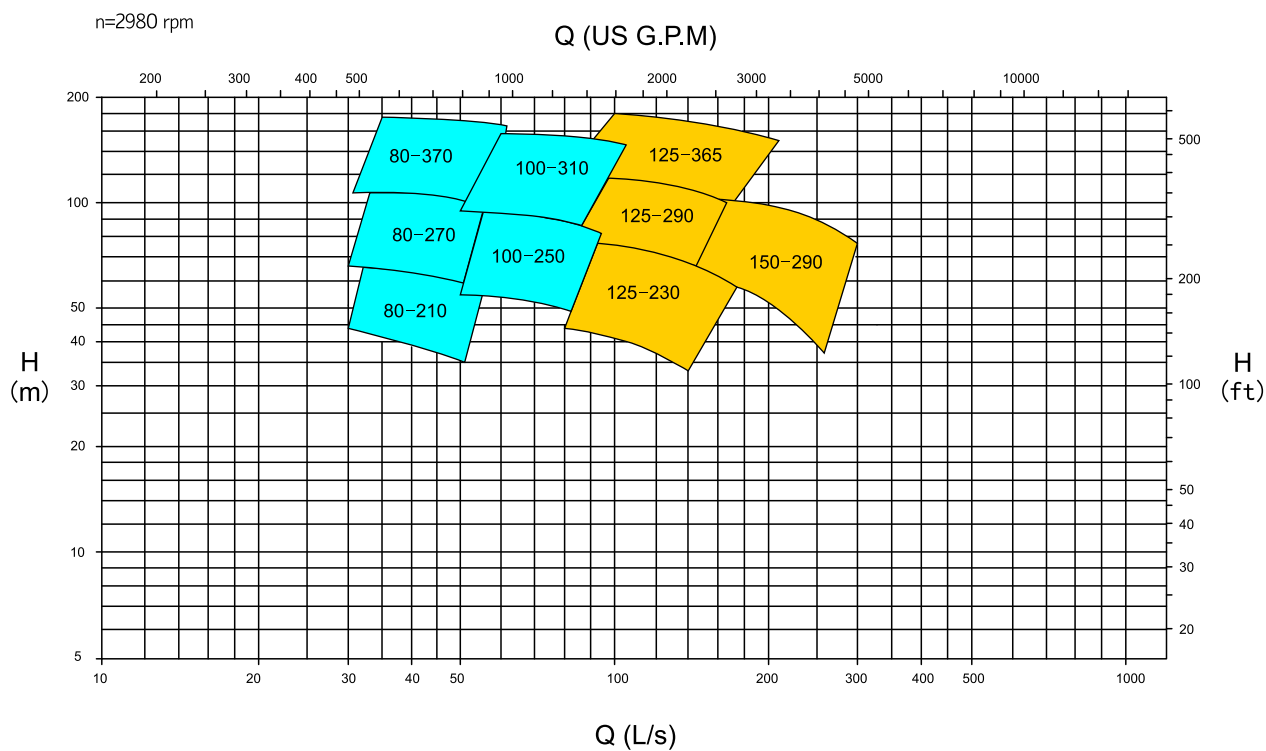
Code	Part Name
13	Mech. Seal
14	Shaft
15	Shaft Sleeve-Short
15.1	Shaft Sleeve
15.2	Packing Shaft Sleeve
16	Bearing Seal Plate
17	Packing Seal Plate
18	Lantern Ring
19	Gland
20	Packing Cover
21	Slinger
22	Ball Bearing
23	O-ring
24	O-ring
25	O-ring

Code	Part Name
26	Felting
27	External Cirdlips
28	Key
29	Key
30	Screw Bolt
31	Spring Washer
32	Screw Nut
33	Pin
34	Screw Nut
35	Screw Bolt
36	Flat Gasket
37	Screw Nut
38	Screw Bolt
39	Plug

## Material of construction

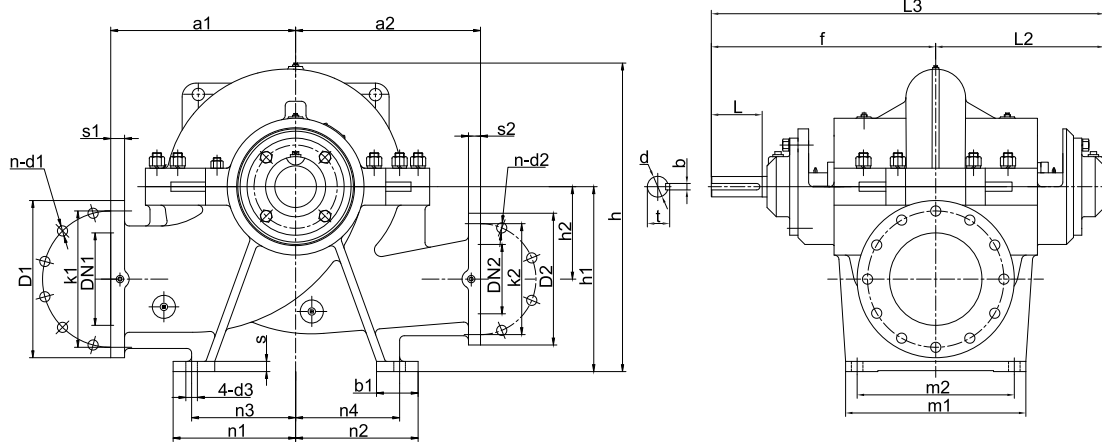
Casing: Cast Iron, Ductile Iron  
 Impeller: Bronze, Cast Iron  
 Shaft : SS 420 (Standard), SS 304, SS 316, SS1045  
 Shaft Seal: Mechanical Seal

## Performance Ranges • 50Hz



Performance to ISO9906 Grade 2 for clean cold water only

# Pump Dimensions



Model	DN1	DN2	Pump Dimensions									Foot									Shaft				Weight								
			a1	a2	f	L2	L3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	L	t	kg									
NDS80-210	125	80	300	300	385	300	685	490	315	140	320	270	205	205	170	170	80	Φ25	22	Φ34	10	80	37.3	179									
NDS80-270				528																				200									
NDS80-370				558																					209								
NDS100-250	150	100	330	330				570	355	170			235	235	200	200	80							209									
NDS100-310				605																				257									
NDS100-375				620																				245									
NDS125-230	200	125	370	370	485	365	850	620	400	200	390	340	265	265	225	225	90			Φ44	12	110	47.3	309									
NDS125-290																	635									293							
NDS125-365																	665									311							
NDS125-500			150	450				450	720	210			200	320	320	280	280	85						26	414								
NDS150-290				400				400	660															22	323								
NDS150-360									670																350								
NDS150-460	300	250	450	450	540	420	960	710	300	480	430	400	315	315	280	280	75	Φ30	Φ54	16	58.3	418											
NDS150-605			600	500				885									95					35	755										
NDS200-250								793															450										
NDS200-320	250	200	450	450				805	500	240	480	430	315	315	280	280	85	Φ25	25	Φ54	16	58.3	450										
NDS200-420			500	500				830										100					551										
NDS200-520			600	500				925									560	300					490		Φ28	28	700						
NDS200-670	300	250	650	550	629	479	1108	1055	600	300	480	400	400	400	350	350		110	Φ30	Φ64	18	145	68.4	700									
NDS250-280			500	500				955																550									
NDS250-370								975																719									
NDS250-480	300	250	550	550	695	515	1210	985	630	350	600	520	400	400	350	350		100	Φ30	Φ74	20	170	78.9	906									
NDS250-600			650					1060										110						1116									
NDS300-300			550	500				1010									630	300						500	400	400	400	350	350	100	30	Φ64	18
NDS300-435	400	300	650	550	695	515	1210	1072	670	333	600	520	400	400	350	350	110	Φ30	32	Φ74	20	170	78.9	947									
NDS300-560			700					1140									710							350		525	525		475	475	110	35	1301
NDS300-700			750	650				785									605							1390	1255	750	400	620	530	530	475	475	120
NDS350-360	450	350	650	550	695	515	1210	1100	670	350	600	520	400	400	350	350	100	Φ30	32	Φ74	20	170	78.9	1077									
NDS350-430			750					1200																	1445								
NDS350-510			700	650				785									605							1390	1200	750	400	620	525	525	475	475	110
NDS350-575	400	300	750	750	853	667	1520	1400	900	420	780	630	560	560	485	485	150	Φ35	35	Φ95	25	210	100.4	1900									
NDS400-525			750	700				1410									475									1600							
NDS400-665			1000	750				1550									1000							525	890	740	560	560	485	485	150	Φ35	35

## Flange Dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

DN1/DN2	80	100	125	150	200	250	300	350	400	450	500	600	700
K1/K2	160	180	210	240	295	355	410	470	525	585	650	770	840
D1/D2	200	220	250	285	340	405	460	520	580	640	715	840	910
S1/S2	22	24	26	26	30	32	34	38	40	40	46	54	54
n-d1/n-d2	8-Φ17.5	8-Φ17.5	8-Φ17.5	8-Φ22	12-Φ22	12-Φ26	12-Φ26	16-Φ26	16-Φ30	20-Φ30	20-Φ33	20-Φ36	24-Φ36

# Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH) <sub>r</sub>
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS80-210	148	41	71	2980	38.7	75	74	220	2.6
	252	70	62		51.5		82		6
	303	84	54		56.3		80		8.2
NDS80-210A	138	38	62	2980	32.2	55	72	205	2.6
	234	65	53		42.0		81		6
	283	79	46		45.0		78		8.2
NDS80-210B	128	35	52	2980	26.0	45	69	190	2.6
	217	60	43		32.7		78		6
	262	73	36		35.0		74		8.2
NDS80-210C	118	33	43	2980	20.9	30	66	175	2.6
	200	56	34		24.5		76		6
	241	67	28		26.2		70		8.2
NDS80-270	178	49	109	2980	71.9	132	73	265	3.5
	292	81	97		95.5		81		10
	355	99	84		106.2		77		15
NDS80-270A	164	46	92	2980	56.9	110	72	245	3.5
	270	75	80		76.7		77		10
	328	91	68		85.0		72		15
NDS80-270B	151	42	77	2980	45.8	75	69	225	3.5
	248	69	64		59.5		73		10
	302	84	54		65.8		67		15
NDS80-270C	137	38	62	2980	35.0	55	66	205	3.5
	226	63	51		44.6		70		10
	275	76	41		47.4		64		15
NDS80-370	174	48	171	2980	119.3	250	68	330	3.5
	290	81	158		166.6		75		10
	348	97	146		191.6		72		15
NDS80-370A	163	45	149	2980	99.2	200	67	310	3.5
	272	76	137		137.0		74		10
	327	91	124		155.6		71		15
NDS80-370B	150	42	127	2980	79.0	132	66	285	3.5
	250	70	114		106.9		73		10
	300	83	101		118.6		70		15
NDS80-370C	137	38	105	2980	60.6	110	65	260	3.5
	228	63	89		77.1		72		10
	274	76	77		84.6		68		15
NDS100-250	207	58	93	2980	73.2	110	72	254	3
	340	95	82		93.8		81		7
	407	113	70		101.0		77		12
NDS100-250A	192	53	78	2980	56.9	90	72	236	3
	316	88	68		72.8		80		7
	378	105	58		78.0		77		12
NDS100-250B	179	50	67	2980	45.7	75	71	219	3
	293	82	57		57.3		79		7
	351	97	49		61.1		76		12
NDS100-250C	164	46	56	2980	35.3	55	71	201	3
	269	75	46		43.7		78		7
	322	89	40		46.4		75		12
NDS100-310	261	72	156	2980	151.6	250	73	320	3.2
	407	113	144		199.5		80		7
	245	68	139		129.2		72		3
NDS100-310A	409	114	126	2980	175.1	250	80	301	7
	491	136	116		195.6		79		10

## Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH) <sub>r</sub>
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS100-310B	227	63	118	2980	103.8	200	70	278	3
	378	105	108		142.3		78		7
	453	126	99		158.7		77		10
NDS100-310C	207	58	99	2980	83.0	160	67	254	3
	345	96	88		108.4		76		7
	414	115	79		120.6		74		10
NDS125-230	333	93	82	2980	102.4	160	73	245	7
	551	153	70		125.3		84		7.8
	660	183	62		140.2		79		9.4
NDS125-230A	310	86	70	2980	84.2	132	70	228	7
	513	142	57		96.7		82		7.8
	614	171	49		103.0		79		9.4
NDS125-230B	286	79	55	2980	64.1	90	67	210	7
	472	131	45		71.7		80		7.8
	565	157	37		74.8		76		9.4
NDS125-230C	263	73	45	2980	49.9	75	64	193	7
	434	121	33		51.7		76		7.8
	520	144	26		51.0		72		9.4
NDS125-290	341	95	130	2980	156.4	250	77	298	6.2
	565	157	114		208.2		84		7.5
	681	189	101		229.5		82		9.8
NDS125-290A	316	88	107	2980	122.7	200	75	276	6.2
	524	145	90		157.3		82		7.5
	631	175	79		169.9		80		9.8
NDS125-290B	290	81	87	2980	94.5	160	73	254	6.2
	482	134	73		119.1		80		7.5
	581	161	61		123.4		78		9.8
NDS125-290C	265	74	72	2980	74.1	110	70	232	6.2
	440	122	57		87.3		78		7.5
	530	147	46		89.5		74		9.8
NDS125-365A	396	110	189	2980	271.9	450	75	365	3.3
	662	184	165		363.2		82		3.8
	792	220	154		410.3		81		4.8
NDS125-365B	358	99	146	2980	197.7	315	72	321	3.3
	597	166	122		250.3		79		3.8
	716	199	105		270.6		76		4.8
NDS125-365C	322	90	118	2980	149.6	250	69	289	3.3
	537	149	95		183.5		76		3.8
	645	179	81		197.8		72		4.8
NDS150-290	522	145	105	2980	197.2	315	76	280	6.5
	870	242	92		249.6		87		12
	1044	290	79		267.7		84		14.5
NDS150-290A	492	137	93	2980	164.5	250	76	264	6.5
	820	228	80		208.6		86		12
	984	273	70		225.3		83		14.5
NDS150-290B	453	126	78	2980	134.1	200	72	243	6.5
	755	210	66		160.8		84		12
	906	252	55		166.8		81		14.5
NDS150-290C	423	118	66	2980	112.0	160	68	227	6.5
	705	196	53		126.6		80		12
	846	235	43		127.5		77		14.5
NDS80-210	72	20	16.8	1450	4.5	7.5	74	220	1.9
	122	34	14.6		5.9		82		2.4
	148	41	12.9		6.5		80		2.9

# Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH)r
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS80-210A	67	19	14.6	1450	3.7	7.5	72	205	1.9
	114	32	12.6		4.8		81		2.4
	138	38	10.8		5.2		78		2.9
NDS80-210B	62	17	12.2	1450	3.0	5.5	69	190	1.9
	106	29	10.2		3.8		78		2.4
	127	35	8.6		4.0		74		2.9
NDS80-210C	57	16	10.2	1450	2.4	4	66	175	1.9
	97	27	8.1		2.8		76		2.4
	117	33	6.6		3.0		70		2.9
NDS80-270	86	24	25.7	1450	8.3	15	73	265	2
	142	40	23		11.0		81		2.6
	173	48	20		12.2		77		3.3
NDS80-270A	80	22	21.7	1450	6.6	11	72	245	2
	131	37	19		8.8		77		2.6
	160	44	16.2		9.8		72		3.3
NDS80-270B	73	20	18.2	1450	5.3	11	69	225	2
	121	34	15.2		6.9		73		2.6
	147	41	12.7		7.6		67		3.3
NDS80-270C	67	19	14.6	1450	4.0	7.5	66	205	2
	110	31	12		5.1		70		2.6
	134	37	9.6		5.5		64		3.3
NDS80-370	86	24	42.2	1480	14.6	30	68	330	2
	144	40	39		20.4		75		2.6
	173	48	35.9		23.5		72		3.3
NDS80-370A	81	23	36.8	1480	12.1	22	67	310	2
	135	38	33.7		16.8		74		2.6
	162	45	30.6		19.1		71		3.3
NDS80-370B	75	21	31.4	1480	9.7	18.5	66	285	2
	124	35	28.2		13.1		73		2.6
	149	41	25		14.5		70		3.3
NDS80-370C	68	19	26	1480	7.4	15	65	260	2
	113	32	22		9.4		72		2.6
	136	38	19		10.4		68		3.3
NDS100-250	101	28	22.1	1450	8.4	15	72	254	1.3
	166	46	19.4		10.8		81		2.1
	198	55	16.6		11.6		77		3
NDS100-250A	94	26	18.5	1450	6.6	11	72	236	1.3
	154	43	16		8.4		80		2.1
	184	51	13.8		9.0		77		3
NDS100-250B	87	24	15.8	1450	5.3	11	71	219	1.3
	143	40	13.4		6.6		79		2.1
	171	47	11.5		7.0		76		3
NDS100-250C	80	22	13.3	1450	4.1	7.5	71	201	1.3
	131	36	11		5.0		78		2.1
	157	44	9.4		5.4		75		3
NDS100-310	130	36	38.4	1480	18.6	37	73	320	1.9
	216	60	34.9		25.4		81		2.5
	259	72	31.5		28.2		79		3.2
NDS100-310A	122	34	34.3	1480	15.8	30	72	301	1.9
	203	56	31		21.5		80		2.5
	244	68	28.5		24.0		79		3.2
NDS100-310B	113	31	29	1480	12.7	22	70	278	1.9
	188	52	26.6		17.4		78		2.5
	225	63	24.4		19.4		77		3.2

## Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH)r
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS100-310C	103	29	24.3	1480	10.2	18.5	67	254	1.9
	171	48	21.6		13.3		76		2.5
	206	57	19.5		14.8		74		3.2
NDS100-375	115	32	62.4	1480	29.7	55	66	408	1.9
	191	53	56.5		39.2		75		2.3
	230	64	50.5		44.0		72		3
NDS100-375A	108	30	53.3	1480	24.1	45	65	382	1.9
	179	50	47.7		31.8		73		2.3
	216	60	41		34.4		70		3
NDS100-375B	100	28	45.2	1480	19.3	37	64	355	1.9
	166	46	40.5		25.8		71		2.3
	200	56	34		28.1		66		3
NDS100-375C	92	25	38	1480	15.6	30	61	325	1.9
	152	42	33.2		19.9		69		2.3
	184	51	27		22.1		61		3
NDS125-230	166	46	20.3	1480	12.5	22	73	245	1.6
	274	76	17.3		15.4		84		1.8
	328	91	15.2		17.2		79		2.6
NDS125-230A	154	43	17.2	1480	10.3	15	70	228	1.6
	255	71	14		11.8		82		1.8
	305	85	12		12.6		79		2.6
NDS125-230B	142	39	13.6	1480	7.9	11	67	210	1.6
	235	65	11		8.8		80		1.8
	281	78	9.1		9.2		76		2.6
NDS125-230C	130	36	11	1480	6.1	7.5	64	193	1.6
	216	60	8.2		6.3		76		1.8
	258	72	6.4		6.3		72		2.6
NDS125-290	169	47	32	1480	19.2	37	77	298	1.2
	281	78	28		25.5		84		1.8
	338	94	25		28.1		82		2.8
NDS125-290A	157	44	26.4	1480	15.0	30	75	276	1.2
	260	72	22.3		19.3		82		1.8
	313	87	19.5		20.8		80		2.8
NDS125-290B	144	40	21.5	1480	11.6	18.5	73	254	1.2
	239	66	17.9		14.6		80		1.8
	288	80	15		15.1		78		2.8
NDS125-290C	132	37	17.7	1480	9.1	15	70	232	1.2
	219	61	14		10.7		78		1.8
	263	73	11.3		11.0		74		2.8
NDS125-365	216	60	56.6	1480	42.7	75	78	390	3
	360	100	50.2		57.9		85		3.8
	432	120	45		64.6		82		5.7
NDS125-365A	196	54	44	1480	31.3	55	75	353	3
	326	91	38.6		41.8		82		3.8
	391	109	34		45.9		79		5.7
NDS125-365B	178	49	36	1480	24.2	45	72	321	3
	296	82	30		30.7		79		3.8
	356	99	26		33.1		76		5.7
NDS125-365C	160	44	29	1480	18.3	30	69	289	3
	267	74	23.5		22.5		76		3.8
	320	89	20		24.2		72		5.7
NDS125-500	194	54	84	1480	59.3	110	75	475	1.6
	324	90	77		82.9		82		2.3
	389	108	71		95.2		79		3.8

## Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH) <sub>r</sub>
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS125-500A	173	48	73	1480	47.1	90	73	443	1.6
	288	80	67		65.7		80		2.3
	346	96	61		74.6		77		3.8
NDS125-500B	151	42	62.5	1480	36.3	75	71	412	1.6
	252	70	56.5		49.7		78		2.3
	302	84	51.5		56.6		75		3.8
NDS125-500C	130	36	53	1480	27.1	55	69	381	1.6
	216	60	48		37.2		76		2.3
	259	72	43		41.6		73		3.8
NDS150-290	259	72	26	1480	24.2	37	76	280	2
	432	120	22.6		30.6		87		2.7
	518	144	19.5		32.8		84		4.5
NDS150-290A	244	68	23	1480	20.2	37	76	264	2
	407	113	19.8		25.6		86		2.7
	489	136	17.2		27.6		83		4.5
NDS150-290B	225	62	19.3	1480	16.4	30	72	243	2
	375	104	16.2		19.7		84		2.7
	450	125	13.5		20.4		81		4.5
NDS150-290C	210	58	16.3	1480	13.7	22	68	227	2
	350	97	13		15.5		80		2.7
	420	117	10.5		15.6		77		4.5
NDS150-360	270	75	44.8	1480	41.7	75	79	355	2
	450	125	38.6		55.0		86		2.5
	540	150	33		59.2		82		3.5
NDS150-360A	247	69	37	1480	32.4	55	77	325	2
	412	114	31		41.9		83		2.5
	494	137	26.5		44.6		80		3.5
NDS150-360B	227	63	31	1480	25.5	45	75	298	2
	378	105	25.3		32.1		81		2.5
	453	126	21		33.3		78		3.5
NDS150-360C	208	58	26	1480	20.5	30	72	274	2
	347	96	20.3		24.6		78		2.5
	417	116	16		24.6		74		3.5
NDS150-460	310	86	74	1480	81.1	160	77	452	2.6
	515	143	66.5		111.0		84		3.2
	619	172	59		122.9		81		6
NDS150-460A	285	79	62.5	1480	64.7	110	75	416	2.6
	474	132	55		85.5		83		3.2
	570	158	49		96.3		79		6
NDS150-460B	259	72	52	1480	50.3	90	73	378	2.6
	431	120	45		65.2		81		3.2
	518	144	38		69.6		77		6
NDS150-460C	233	65	42	1480	37.5	75	71	340	2.6
	387	108	36		47.5		80		3.2
	466	129	30		50.8		75		6
NDS150-605	346	96	117	1480	148.9	250	74	560	3
	576	160	105		203.5		81		3.8
	691	192	96		228.9		79		6
NDS150-605A	323	90	102	1480	124.6	200	72	523	3
	538	149	90		164.9		80		3.8
	646	179	82		187.3		77		6
NDS150-605B	300	83	87	1480	100.1	200	71	486	3
	500	139	77		134.5		78		3.8
	600	167	68		150.2		74		6



## Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH)r
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS150-605C	277	77	73	1480	81.1	160	68	449	3
	462	128	62		102.7		76		3.8
	540	150	55		115.6		70		6
NDS200-250	389	108	26	1480	34.4	55	80	281	2.1
	648	180	21		42.6		87		3.1
	778	216	18		45.4		84		4.5
NDS200-250A	367	102	22	1480	29.3	45	75	265	2.1
	611	170	17		34.1		83		3.1
	733	204	14.5		36.2		80		4.5
NDS200-250B	342	95	18.8	1480	25.0	37	70	247	2.1
	570	158	14		27.5		79		3.1
	684	190	11		27.7		74		4.5
NDS200-250C	318	88	15.5	1480	19.8	22	68	230	2.1
	530	147	10.4		20.3		74		3.1
	636	177	7.2		20.5		61		4.5
NDS200-320	396	110	38	1480	53.3	75	77	338	3
	659	183	32		66.0		87		3.4
	792	220	26		68.4		82		4.2
NDS200-320A	368	102	31.4	1480	40.9	75	77	314	3
	612	170	25.4		50.4		84		3.4
	736	204	20.4		51.8		79		4.2
NDS200-320B	340	94	26	1480	33.4	45	72	290	3
	565	157	20		39.0		79		3.4
	680	189	15		36.5		76		4.2
NDS200-320C	312	87	21	1480	25.8	30	69	266	3
	518	144	15.2		28.3		76		3.4
	623	173	11		25.9		72		4.2
NDS200-420	421	117	62	1480	90.1	160	79	415	3
	702	195	54		118.7		87		3.8
	842	234	47		131.6		82		5.6
NDS200-420A	386	107	51	1480	68.7	110	78	380	3
	643	179	43		89.7		84		3.8
	771	214	37		97.2		80		5.6
NDS200-420B	355	99	42.5	1480	54.8	90	75	350	3
	592	164	36		71.7		81		3.8
	710	197	29		72.0		78		5.6
NDS200-420C	325	90	35	1480	43.0	75	72	320	3
	541	150	27.5		52.0		78		3.8
	650	180	22.5		53.8		74		5.6
NDS200-520	490	136	106	1480	183.6	315	77	530	2.2
	814	226	93		248.4		83		4.2
	976	271	83		282.9		78		7
NDS200-520A	449	125	87	1480	138.2	250	77	486	2.2
	746	207	78		195.8		81		4.2
	895	249	68		212.5		78		7
NDS200-520B	408	113	71	1480	105.3	200	75	442	2.2
	679	188	61		142.8		79		4.2
	814	226	53		152.6		77		7
NDS200-520C	368	102	56	1480	76.9	132	73	398	2.2
	611	170	47		100.3		78		4.2
	733	204	39		103.8		75		7
NDS200-670	475	132	163	1480	289.1	500	73	655	2.5
	792	220	150		399.6		81		3.2
	936	260	140		457.8		78		4.6

# Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH) <sub>r</sub>
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS200-670A	443	123	140	1480	234.9	400	72	611	2.5
	739	205	127		319.6		80		3.2
	873	243	116		358.4		77		4.6
NDS200-670B	412	114	120	1480	189.8	315	71	568	2.5
	687	191	107		256.7		78		3.2
	812	225	98		285.2		76		4.6
NDS200-670C	381	106	102	1480	153.4	250	69	525	2.5
	635	176	90		204.8		76		3.2
	750	208	82		226.5		74		4.6
NDS250-370	637	177	47	1480	107.4	160	76	369	3.1
	1062	295	39.4		129.6		88		3.8
	1274	354	30.5		126.1		84		5
NDS250-370A	587	163	40.5	1480	88.8	132	73	340	3.1
	979	272	33		103.5		85		3.8
	1174	326	28		110.6		81		5
NDS250-370B	535	149	34	1480	70.8	110	70	310	3.1
	892	248	27		80.0		82		3.8
	1071	297	22.8		85.3		78		5
NDS250-370C	480	133	27.4	1480	54.3	75	66	278	3.1
	800	222	21.6		60.4		78		3.8
	960	267	18		62.8		75		5
NDS250-480	734	204	78	1480	197.6	315	79	470	3.1
	1224	340	68		257.7		88		4.2
	1469	408	61		287.2		85		6.1
NDS250-480A	684	190	67.5	1480	161.4	250	78	438	3.1
	1141	317	58		209.6		86		4.2
	1369	380	52		233.7		83		6.1
NDS250-480B	630	175	58	1480	130.9	200	76	403	3.1
	1050	292	49		166.8		84		4.2
	1259	350	43		184.5		80		6.1
NDS250-480C	577	160	48	1480	103.3	160	73	369	3.1
	961	267	42		135.8		81		4.2
	1153	320	36		145.0		78		6.1
NDS250-600	778	216	134	1480	364.0	630	78	610	2.2
	1296	360	121		496.9		86		4.7
	1555	432	108		558.1		82		7
NDS250-600A	724	201	118	1480	306.3	500	76	568	2.2
	1207	335	106		410.1		85		4.7
	1448	402	95		451.6		83		7
NDS250-600B	663	184	99	1480	241.6	400	74	520	2.2
	1105	307	88		315.4		84		4.7
	1326	368	78		343.6		82		7
NDS250-600C	606	168	81	1480	185.6	315	72	475	2.2
	1009	280	70		234.7		82		4.7
	1211	336	60		247.5		80		7
NDS300-300	648	180	32	1480	76.4	90	74	330	4.4
	1080	300	25		85.1		86.5		6
	1296	360	19.2		84.8		80		7
NDS300-300A	605	168	27	1480	61.8	75	72	308	4.4
	1008	280	20		65.0		84.5		6
	1210	336	15		63.4		78		7
NDS300-300B	564	157	22	1480	48.3	55	70	287	4.4
	939	261	16		49.3		83		6
	1127	313	11.5		47.7		74		7

## Technical data

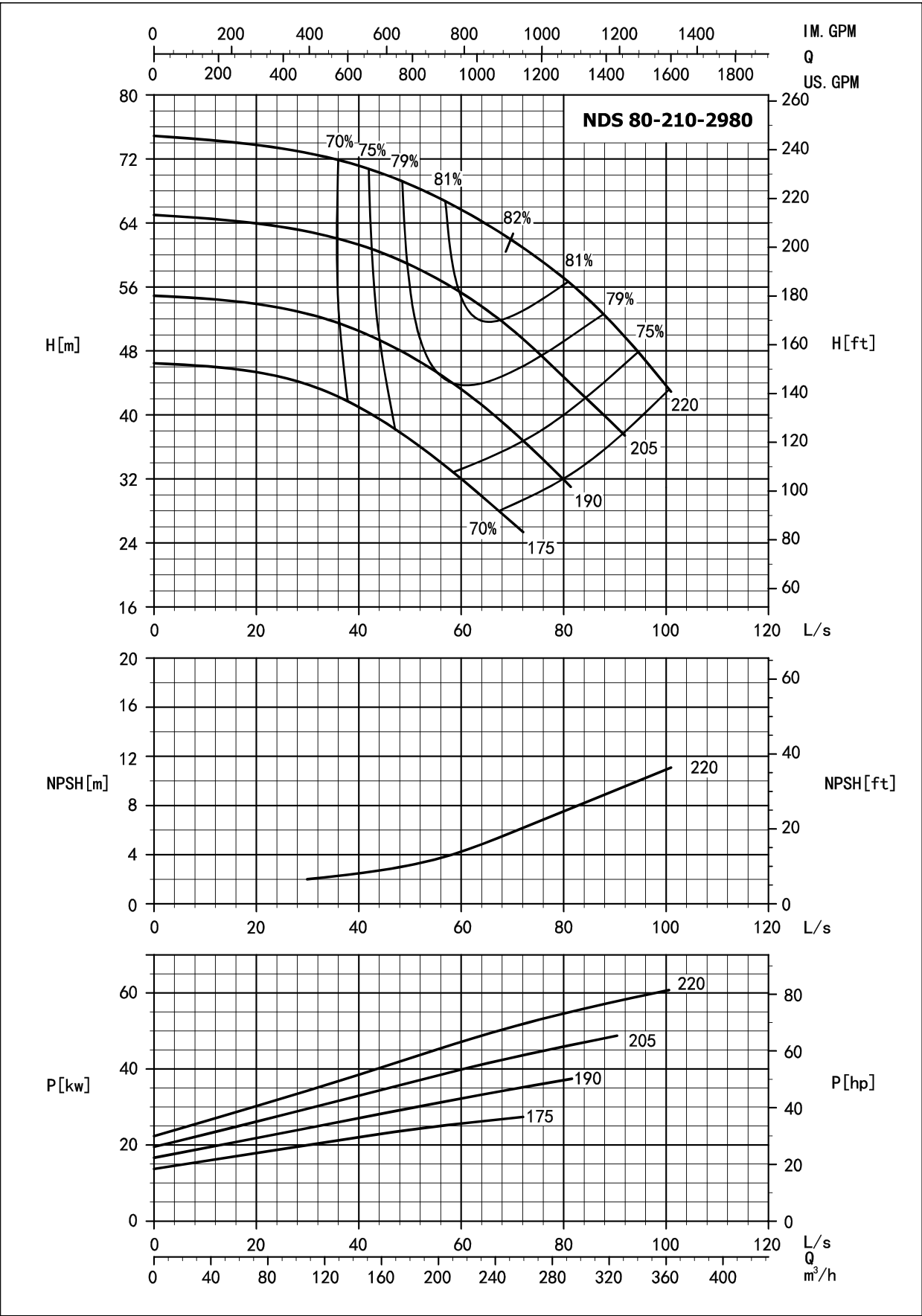
Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH)r
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS300-300C	509	141	18	1480	37.8	45	66	259	4.4
	848	235	12.6		36.8		79		6
	1017	283	9		34.6		72		7
NDS300-435	1080	300	65	1480	242.1	355	79	438	4.6
	1800	500	56		308.6		89		5.5
	2160	600	49		335.3		86		7
NDS300-435A	1023	284	57	1480	203.8	315	78	415	4.6
	1705	474	48		253.5		88		5.5
	2047	568	42		275.5		85		7
NDS300-435B	952	264	50	1480	168.4	250	77	386	4.6
	1586	441	41		203.7		87		5.5
	1904	529	34		212.5		83		7
NDS300-435C	873	242	42	1480	133.2	200	75	354	4.6
	1455	404	33		153.9		85		5.5
	1746	485	27		160.5		80		7
NDS300-560	1026	285	118	1480	412.4	710	80	565	4.3
	1710	475	105		562.3		87		7
	2052	570	95		624.9		85		9
NDS300-560A	935	260	96	1480	317.7	500	77	515	4.3
	1559	433	83		409.9		86		7
	1870	520	73		442.9		84		9
NDS300-560B	846	235	78	1480	243.0	355	74	466	4.3
	1410	392	65		293.9		85		7
	1692	470	55		309.3		82		9
NDS300-560C	774	215	63	1480	184.4	250	72	426	4.3
	1289	358	52		220.1		83		7
	1547	430	42		227.0		78		9
NDS300-70	1102	306	180	1480	683.9	1100	79	7	3.9
	1836	510	160		930.7		86		4.6
	2088	580	152		1017.4		85		6
NDS300-700	1023	284	157	1480	568.6	900	77	65	3.9
	1706	474	137		749.1		85		4.6
	2052	570	125		832.0		84		6
NDS300-700	938	260	126	1480	423.5	710	76	600	3.9
	1563	434	115		582.9		84		4.6
	1880	522	103		635.6		83		6
NDS300-700	859	239	108	1480	341.8	560	74	550	3.9
	1432	398	94		442.0		83		4.6
	1723	479	84		480.9		82		6
NDS350-360	1015	282	42	1480	166.0	200	70	382	4.6
	1692	470	31.5		167.9		86.5		5.7
	2030	564	22		156.0		78		8.4
NDS350-360A	949	264	36	1480	136.9	160	68	357	4.6
	1581	439	27		138.5		84		5.7
	1898	527	19		127.6		77		8.4
NDS350-360B	882	245	31	1480	112.9	132	66	332	4.6
	1471	408	23		112.4		82		5.7
	1765	490	16		101.2		76		8.4
NDS350-360C	842	234	26	1480	94.7	110	63	317	4.6
	1404	390	18		87.2		79		5.7
	1685	468	12		76.5		72		8.4
NDS350-430	1685	468	55	1480	355.6	450	71	440	7.5
	2808	780	42.5		380.3		85.5		9.8
	3370	936	35		396.7		81		12.6

# Technical data

Model	Capacity		Head	Speed	Power(kw)		Eff	Impeller Dia.	(NPSH) <sub>r</sub>
Model	m <sup>3</sup> /h	L/s	m	r/min	Shaft	Motor	%	mm	m
NDS350-430A	1574	437	48	1480	298.3	355	69	411	7.5
	2623	729	36		306.3		84		9.8
	3148	874	28		304.0		79		12.6
NDS350-430B	1463	406	40	1480	241.6	315	66	382	7.5
	2438	677	28		229.6		81		9.8
	2925	813	21		220.3		76		12.6
NDS350-430C	1398	388	34	1480	202.3	250	64	365	7.5
	2329	647	22.5		180.8		79		9.8
	2700	750	17		173.7		72		12.6
NDS350-510	1685	468	88	1480	511.4	710	79	515	4.5
	2808	780	76		639.0		91		8.5
	3370	936	66		688.6		88		11.5
NDS350-510A	1577	438	77	1480	429.7	630	77	482	4.5
	2628	730	66		525.1		90		8.5
	3154	876	57		563.0		87		11.5
NDS350-510B	1456	404	65	1480	343.8	500	75	445	4.5
	2426	674	56		416.0		89		8.5
	2912	809	48		448.0		85		11.5
NDS350-510C	1335	371	53	1480	271.5	400	71	408	4.5
	2225	618	46		324.2		86		8.5
	2670	742	38		345.5		80		11.5
NDS350-575	1706	474	113	1480	673.6	1100	78	571	3
	2844	790	101		869.6		90		7.5
	3420	950	91		986.1		86		10.5
NDS350-575A	1611	447	102	1480	581.4	900	77	539	3
	2685	746	87		715.1		89		7.5
	3228	897	77		796.9		85		10.5
NDS350-575B	1512	420	90	1480	494.4	710	75	506	3
	2520	700	76		593.1		88		7.5
	3031	842	67		666.6		83		10.5
NDS350-575C	1417	393	79	1480	417.7	630	73	474	3
	2361	656	66		493.7		86		7.5
	2839	789	57		551.2		80		10.5

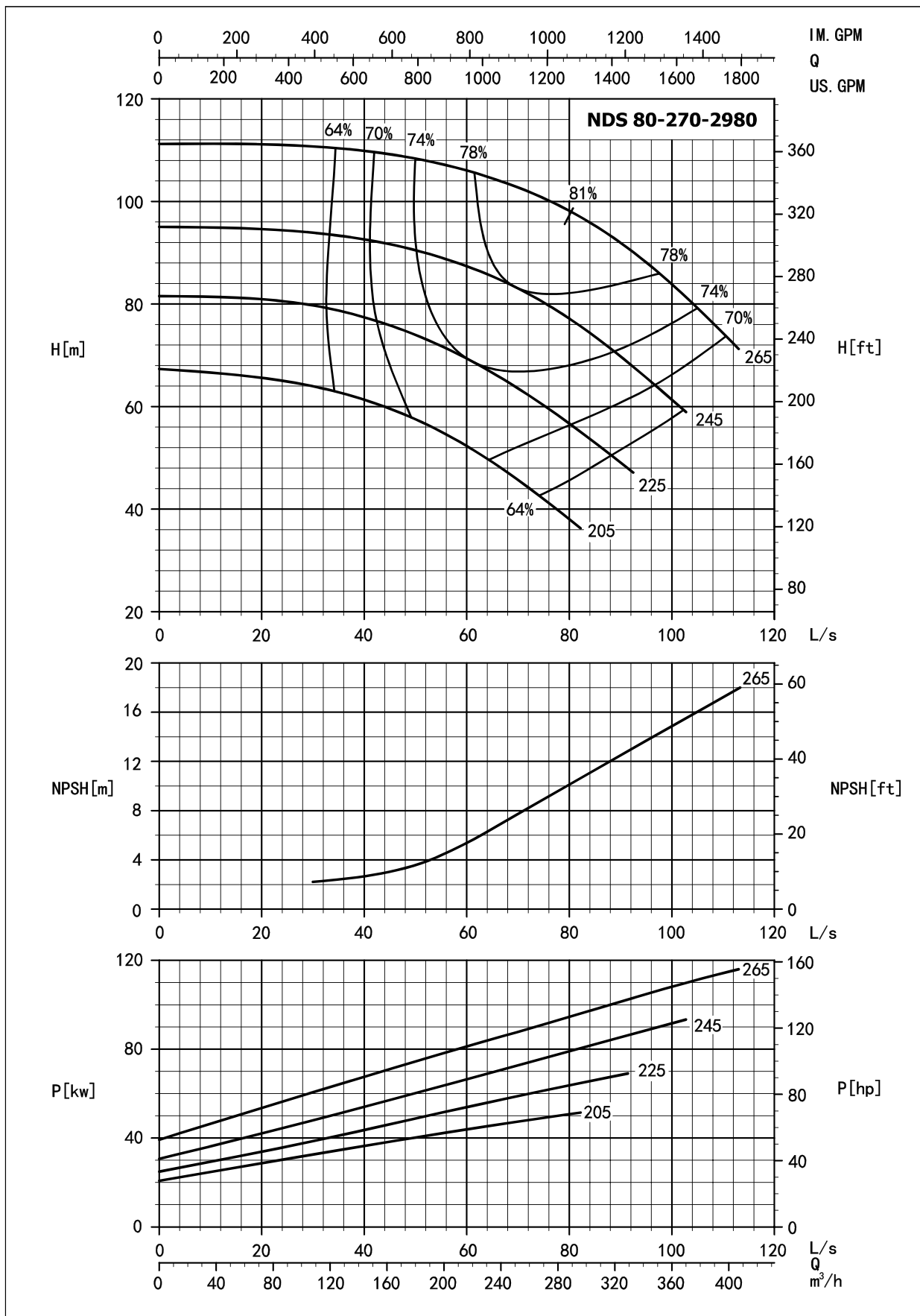
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



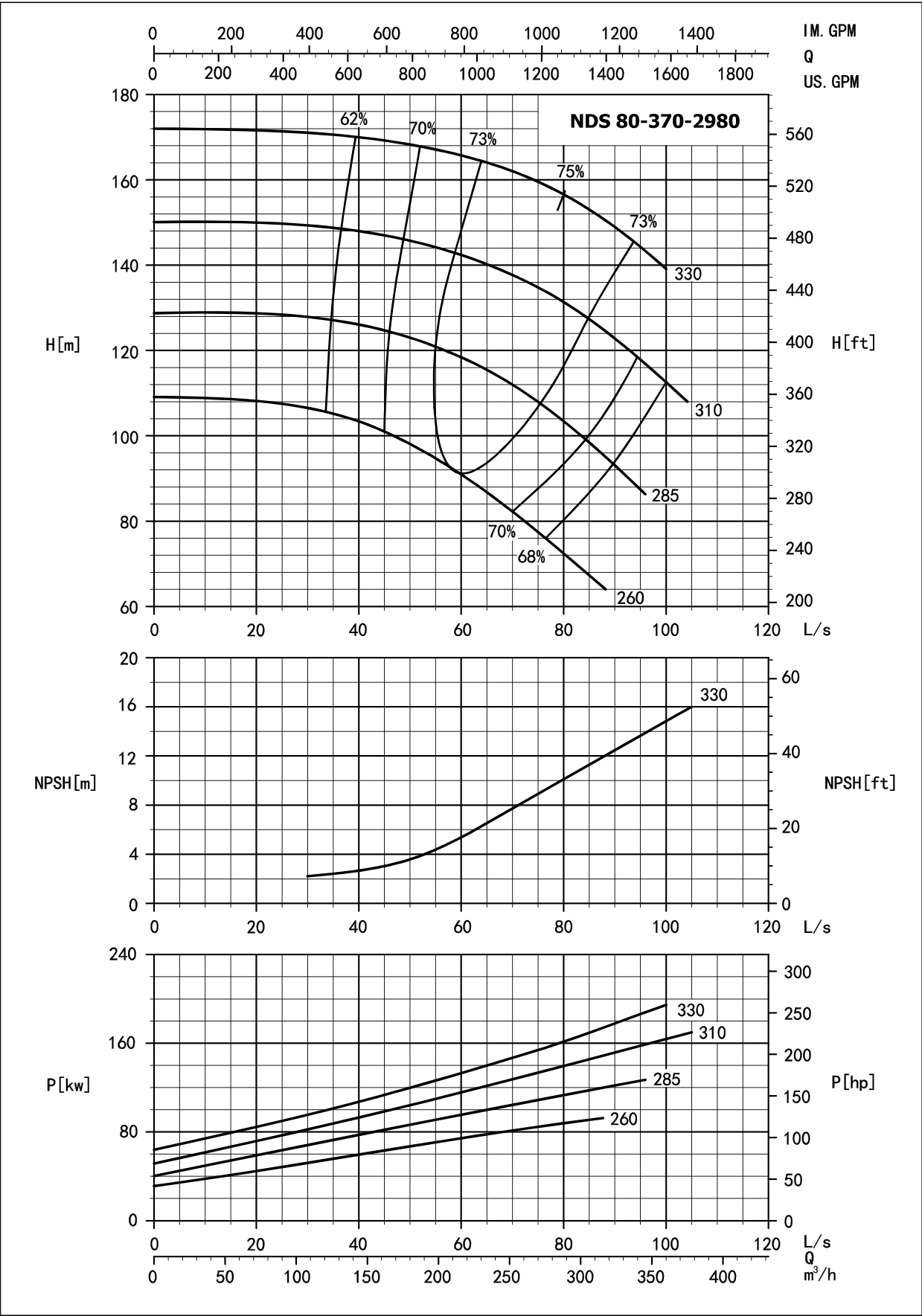
## Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



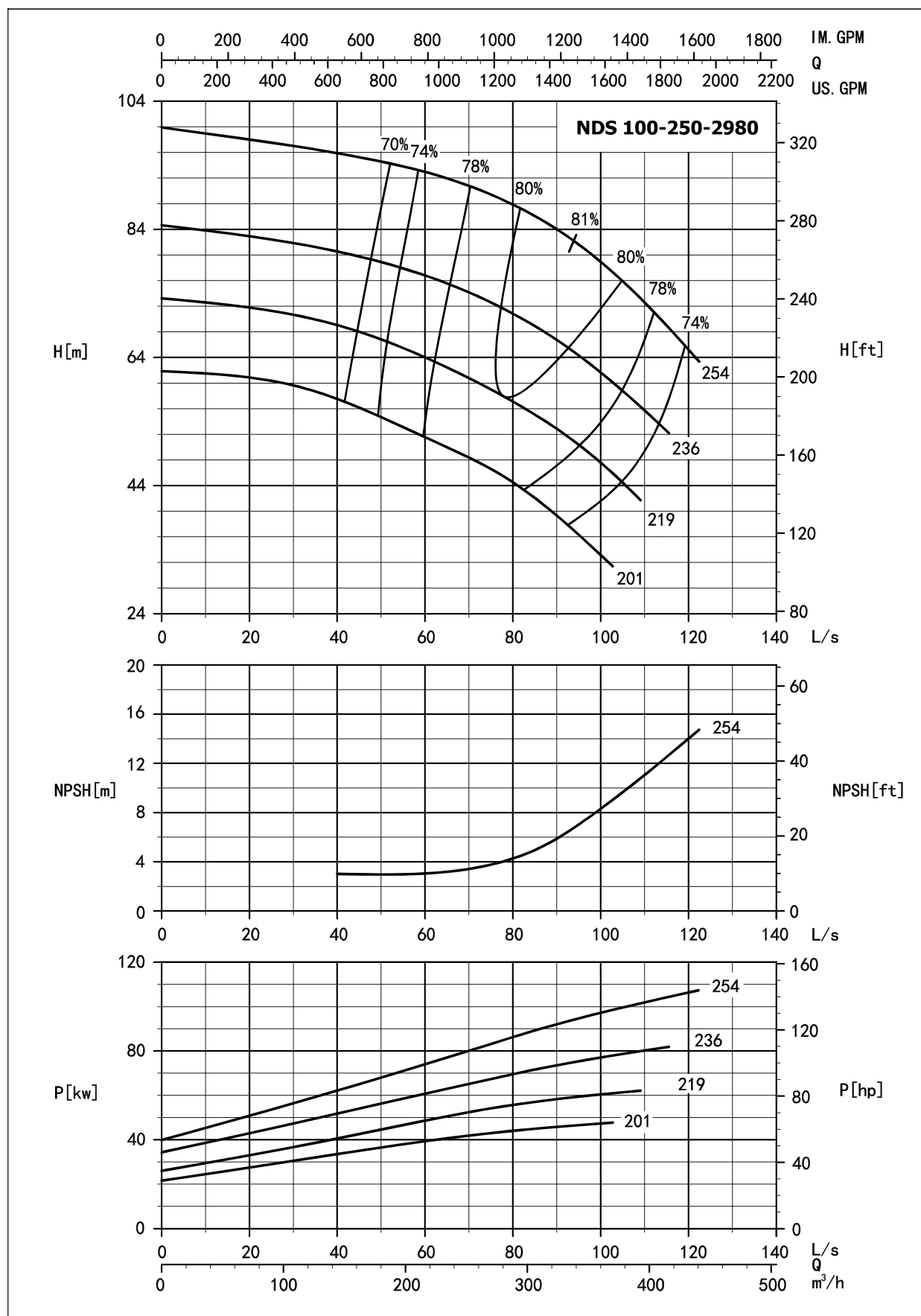
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



# Performance Curves

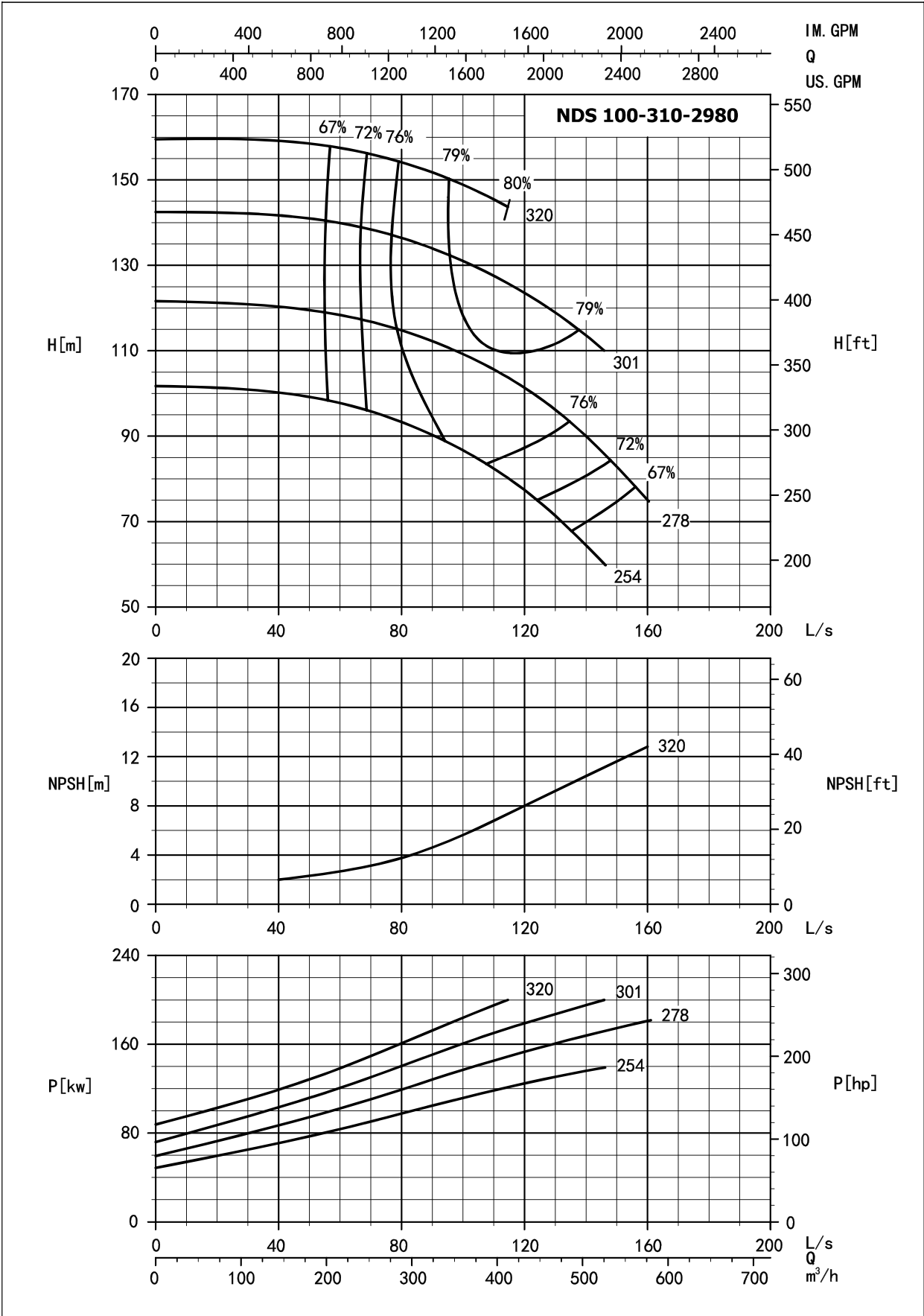
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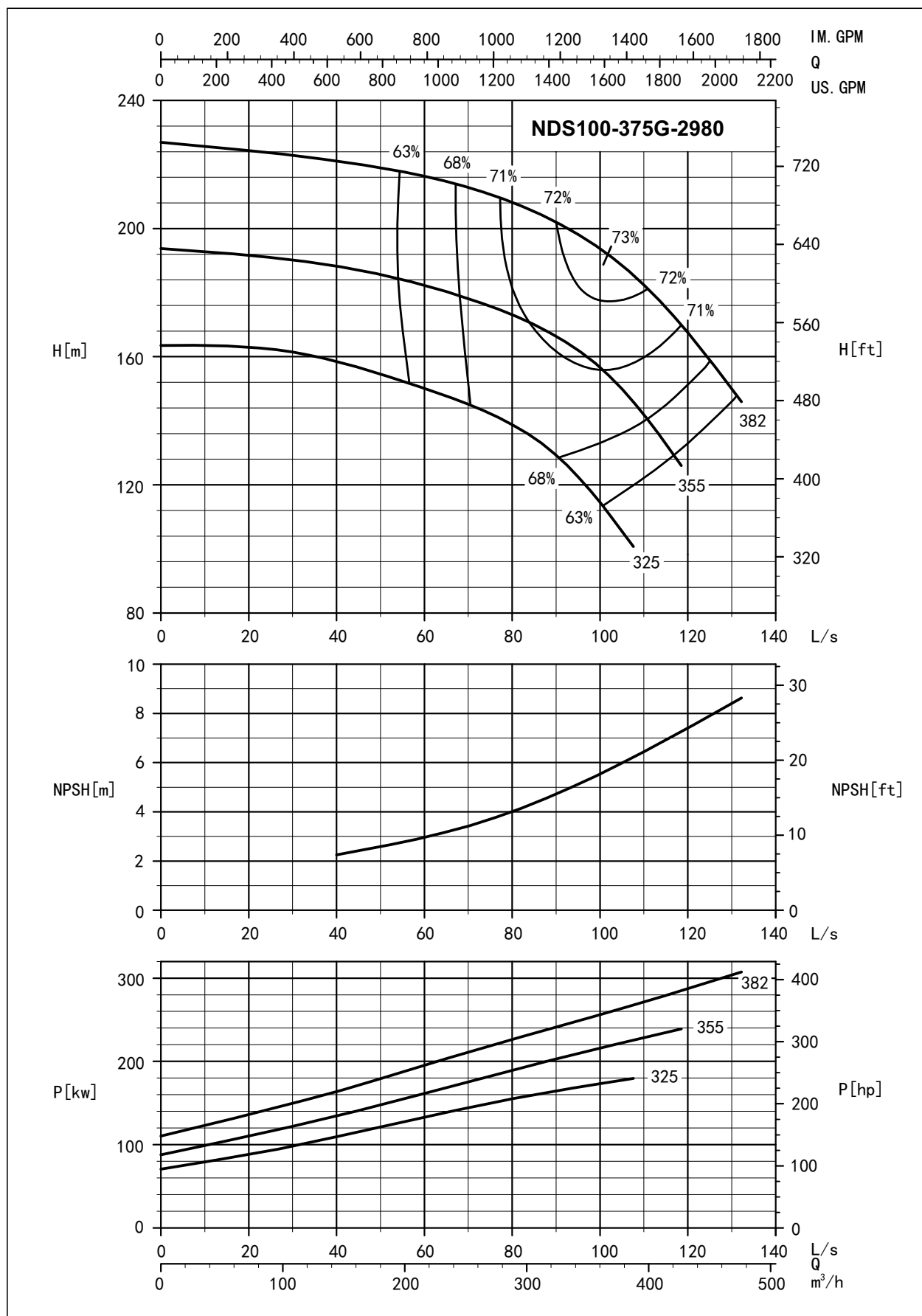
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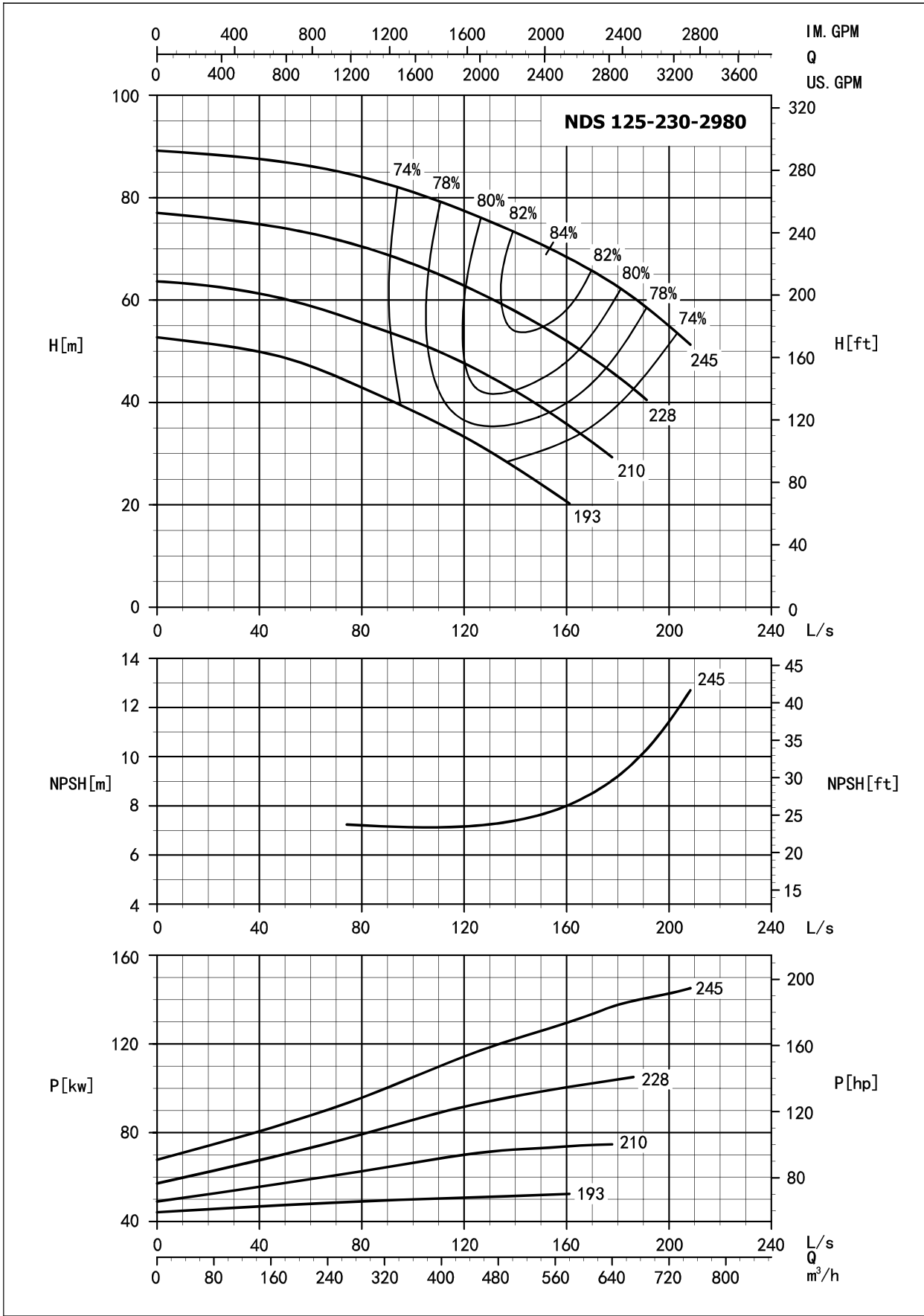
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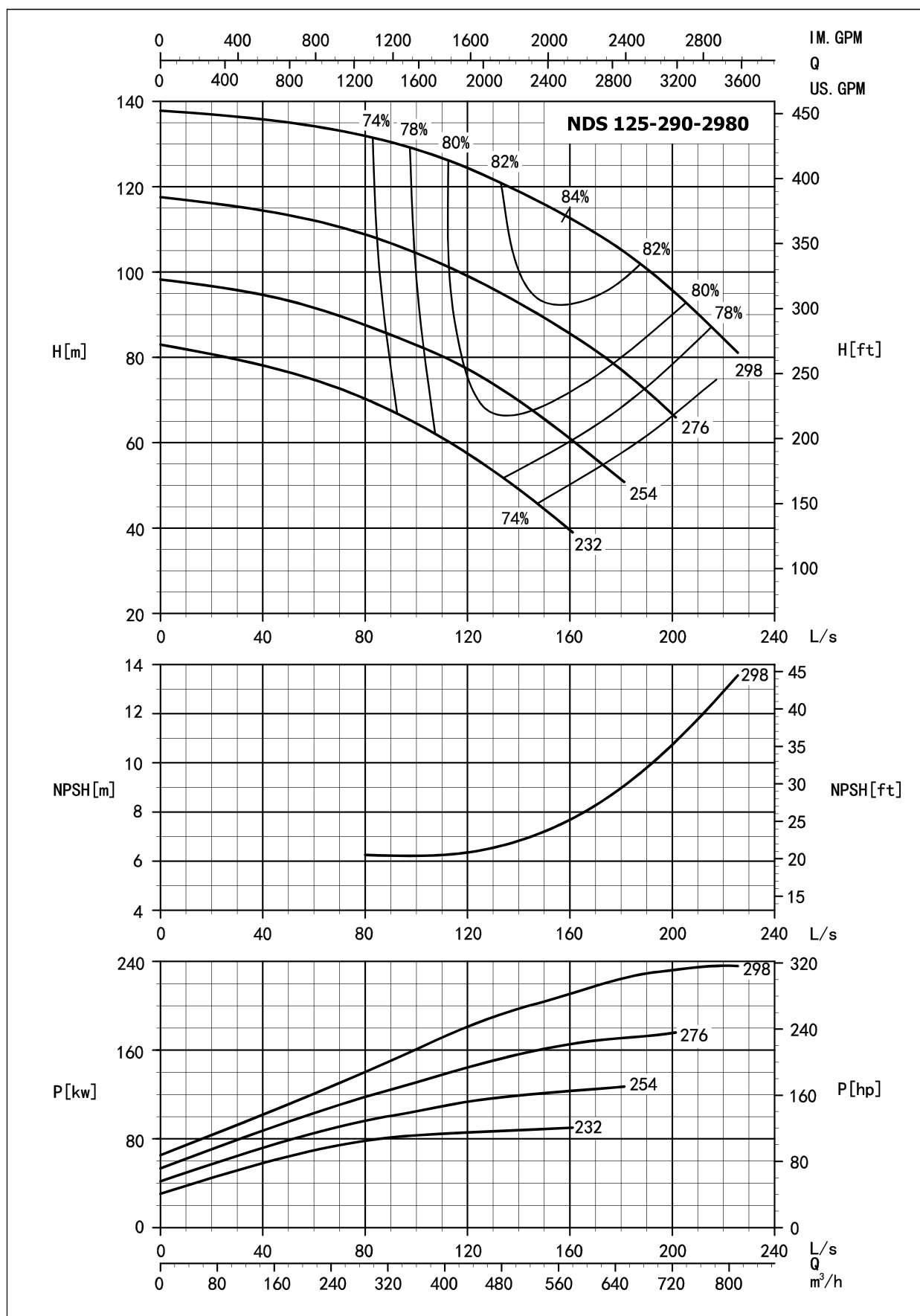
# Performance Curves

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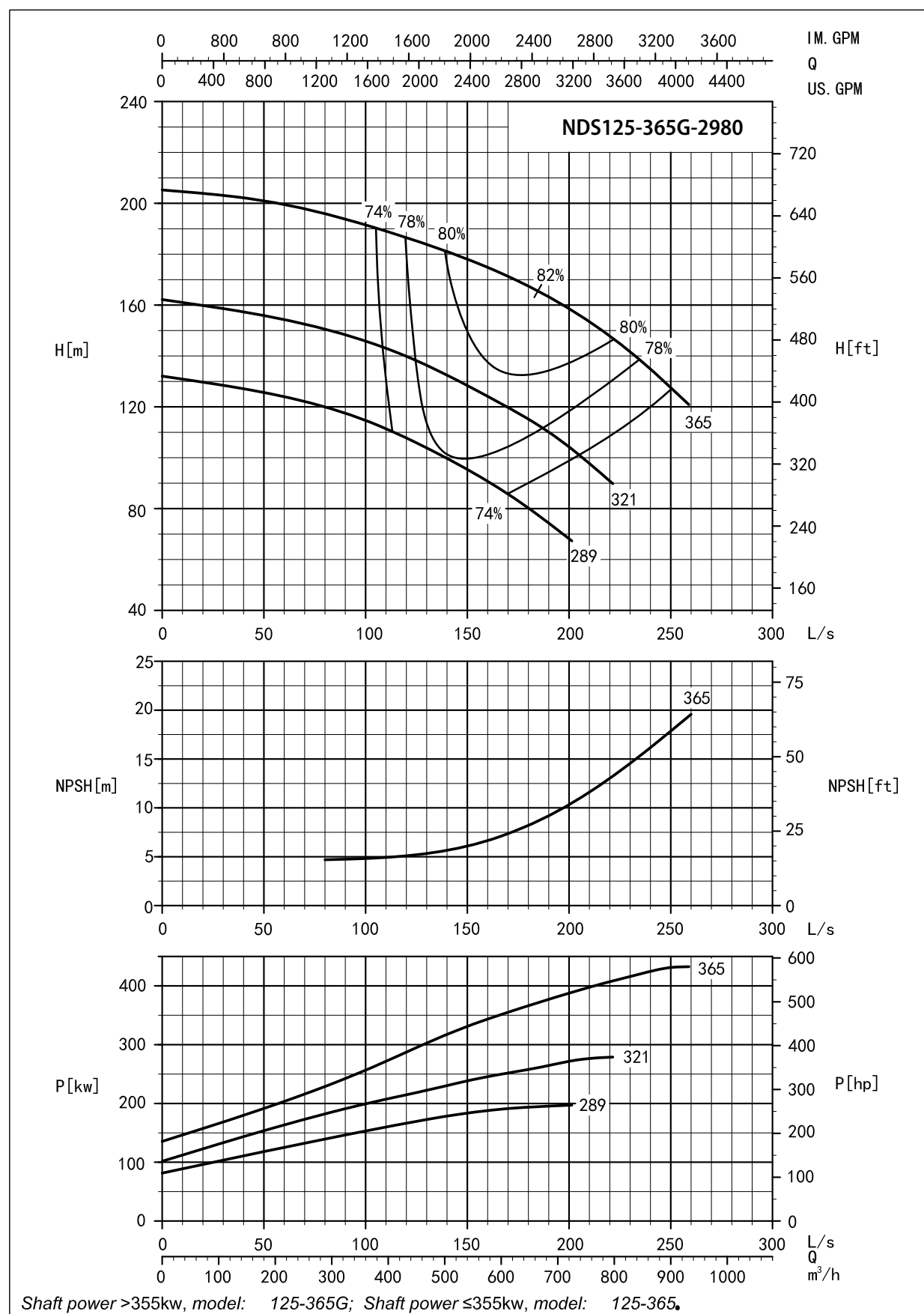
# Performance Curves

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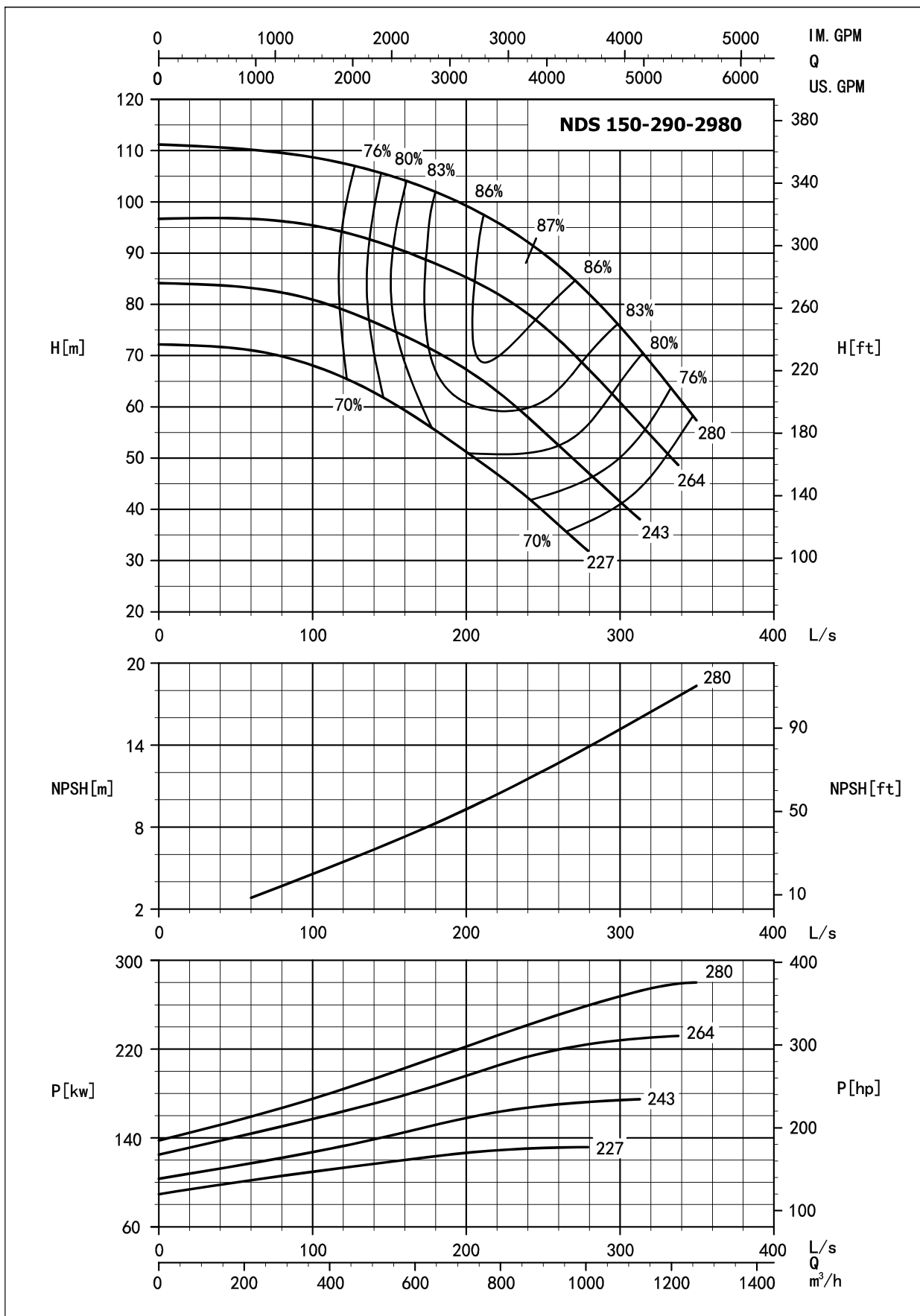
# Performance Curves

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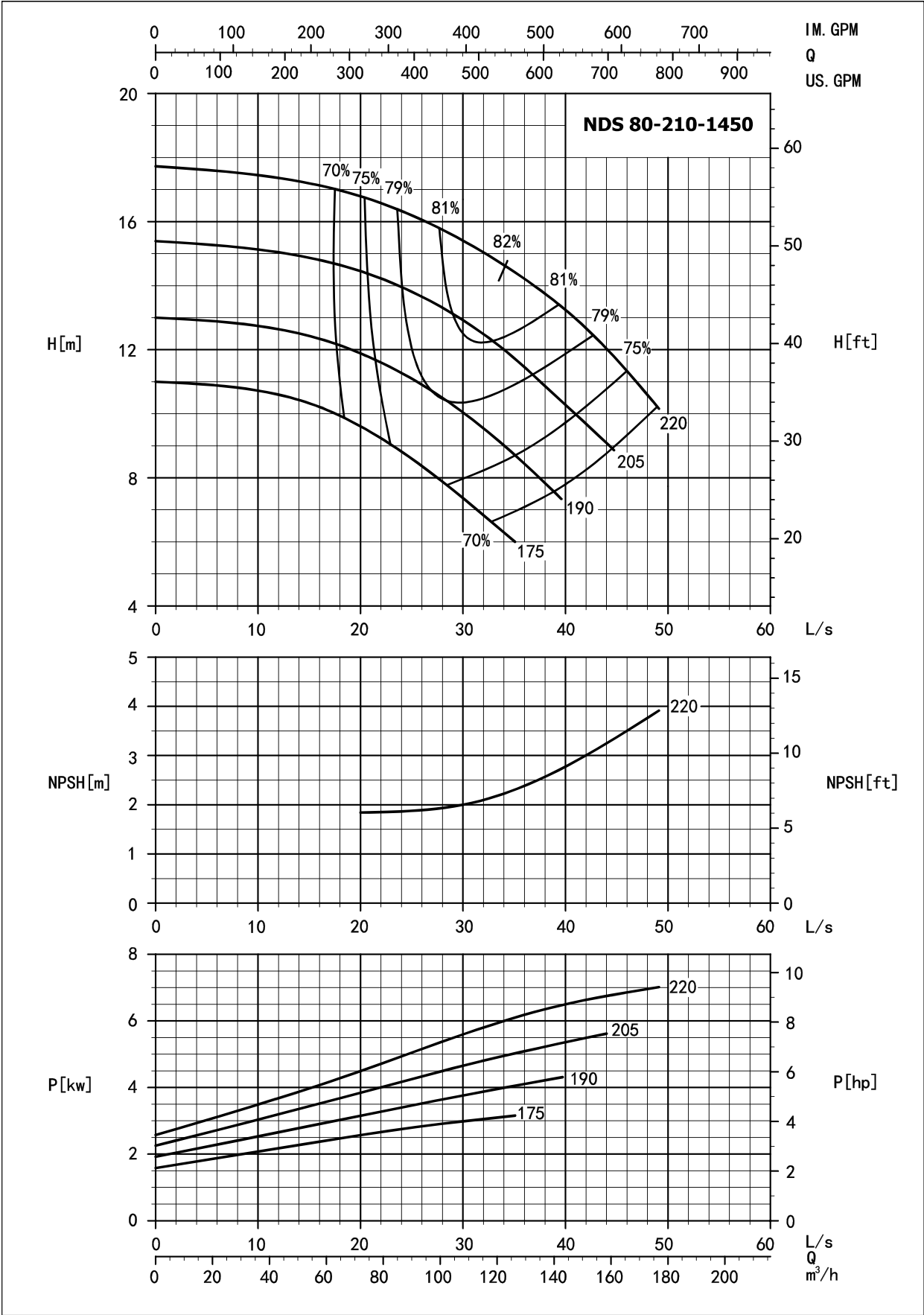
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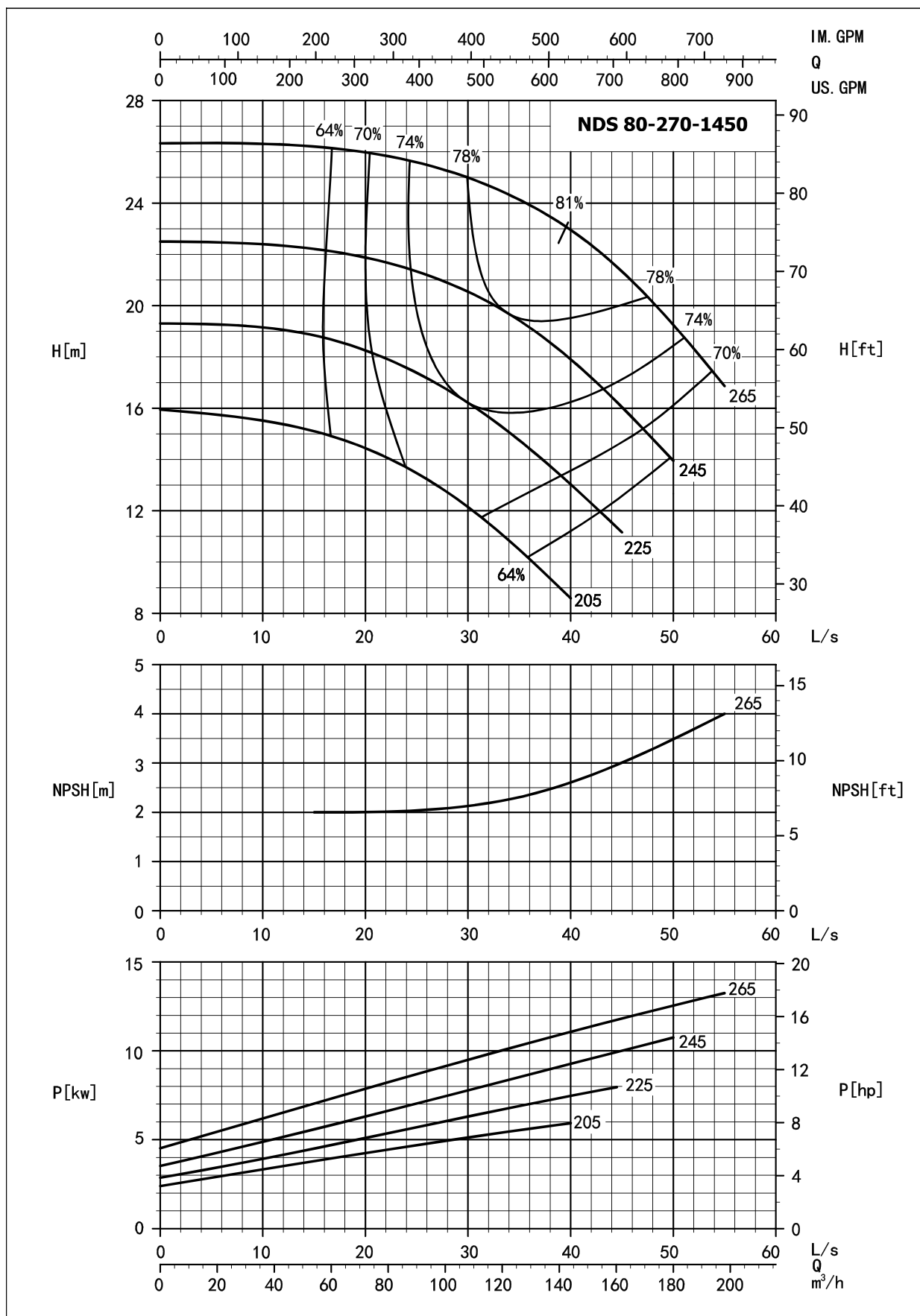
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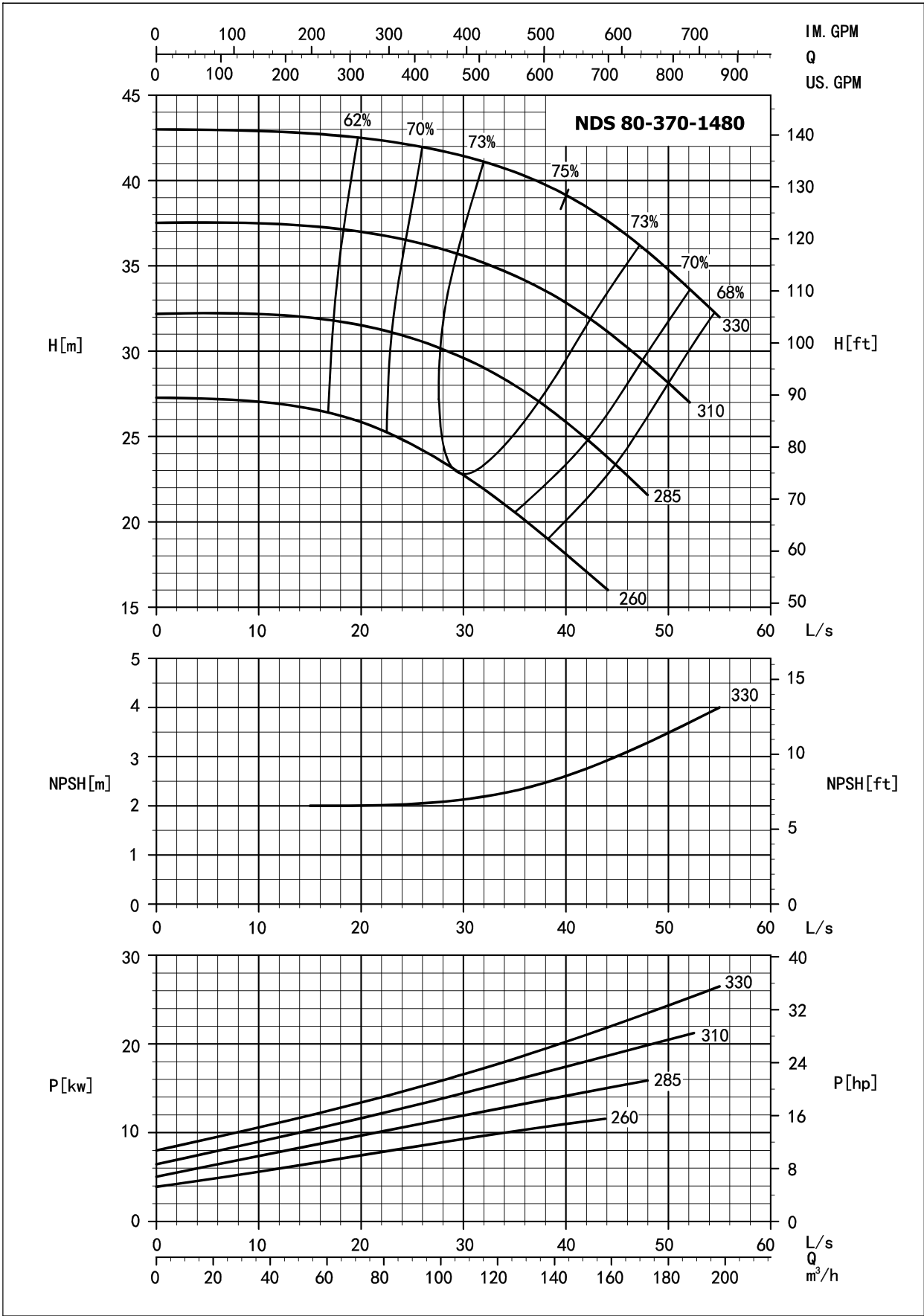
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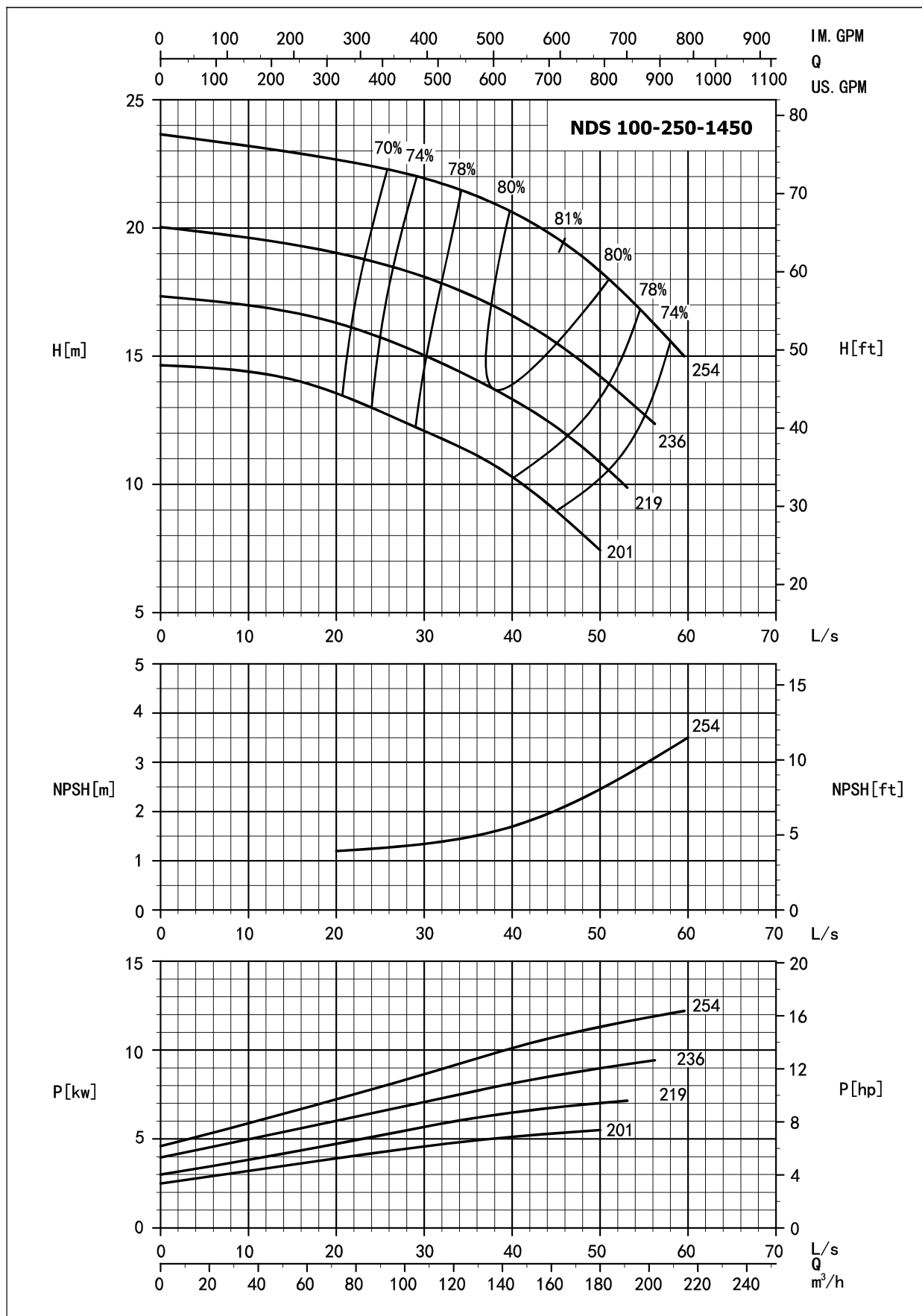
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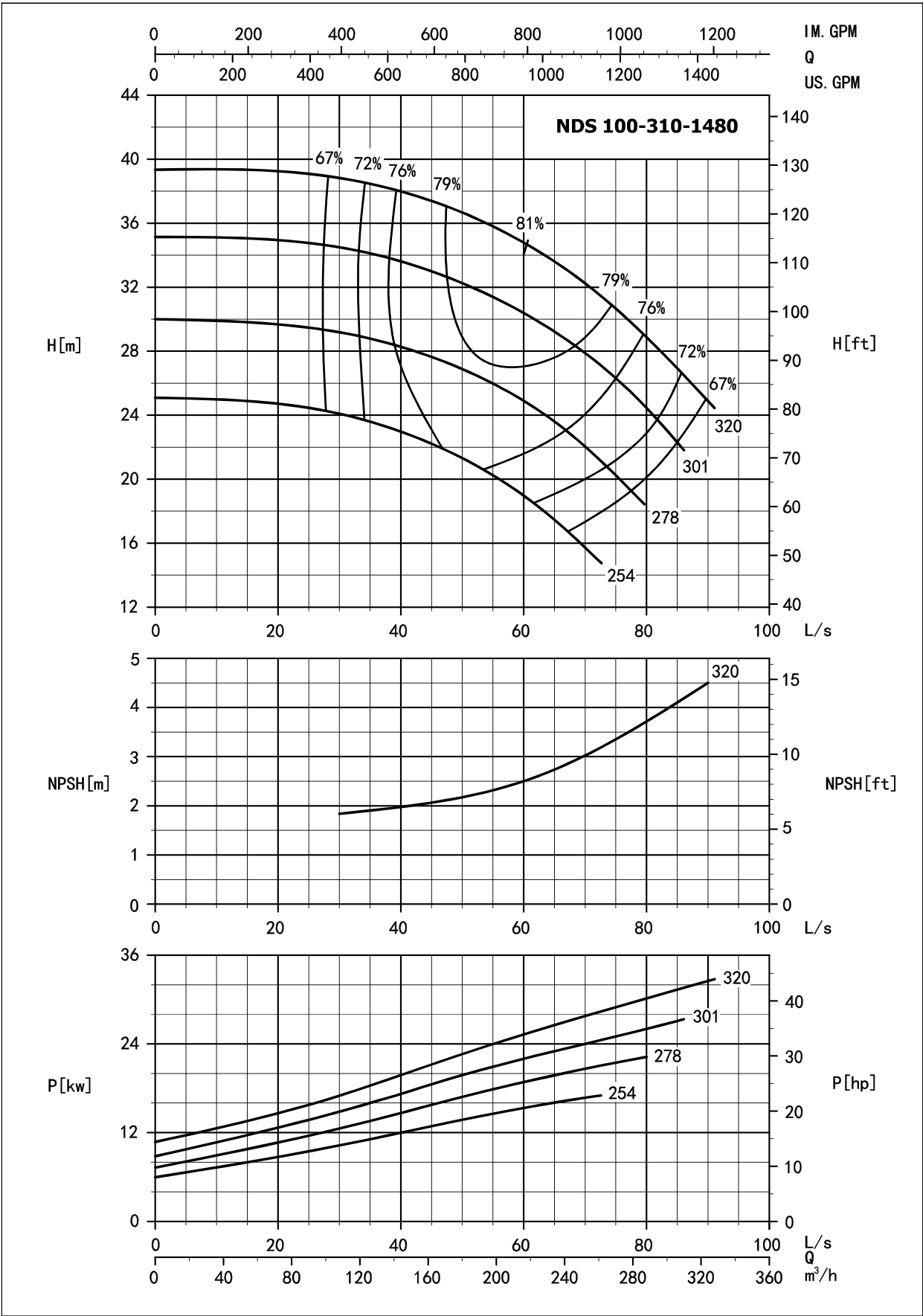
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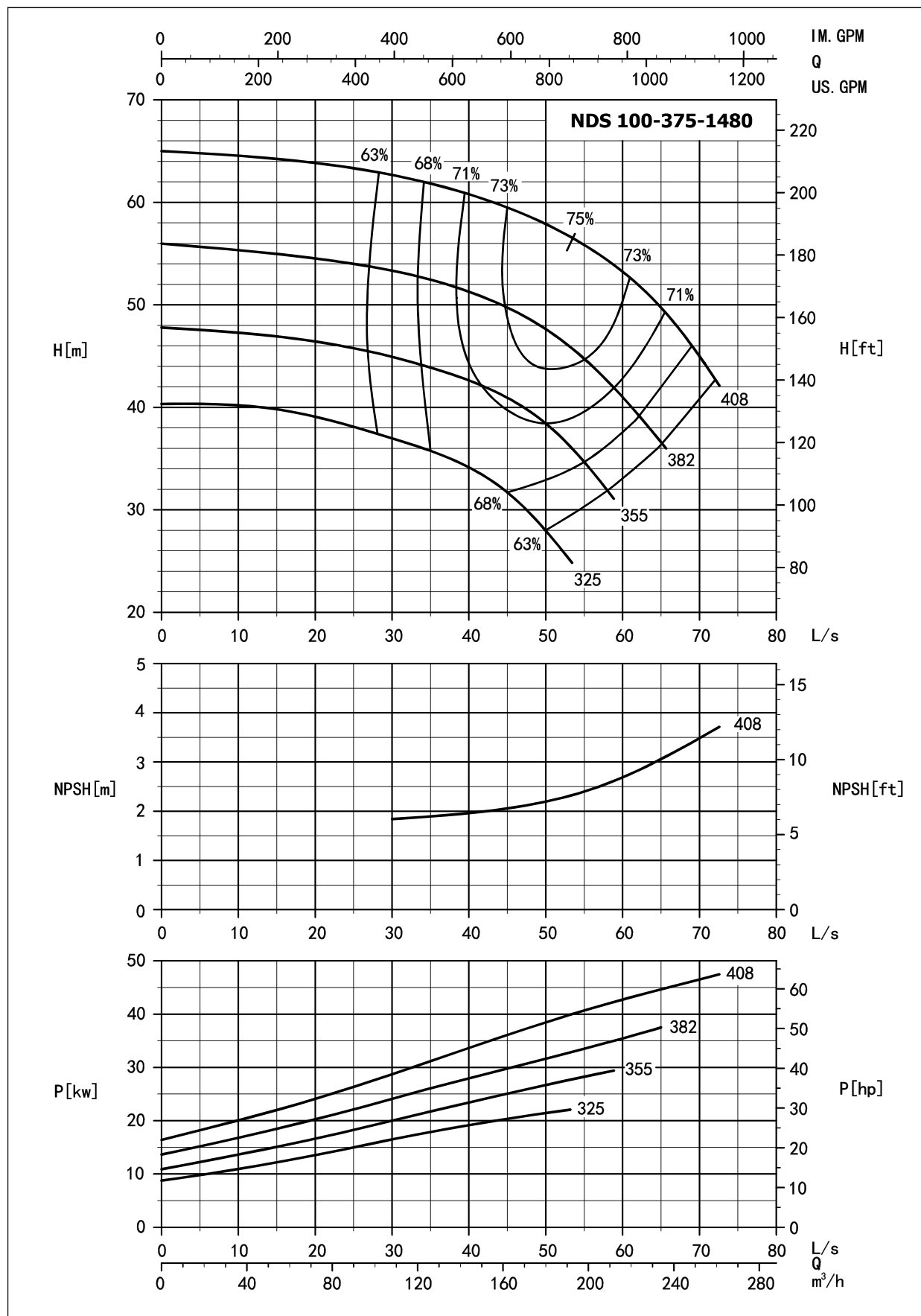
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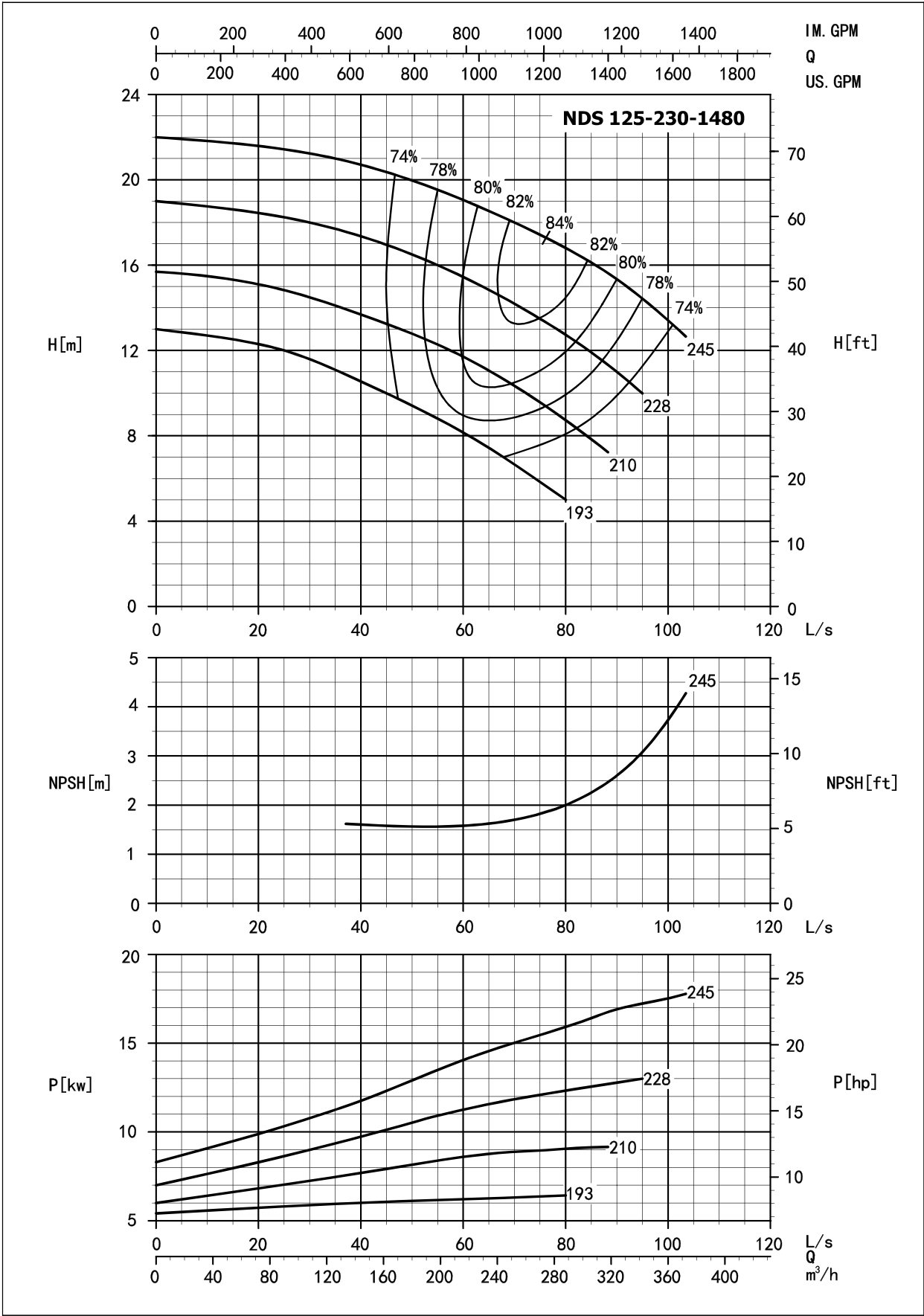
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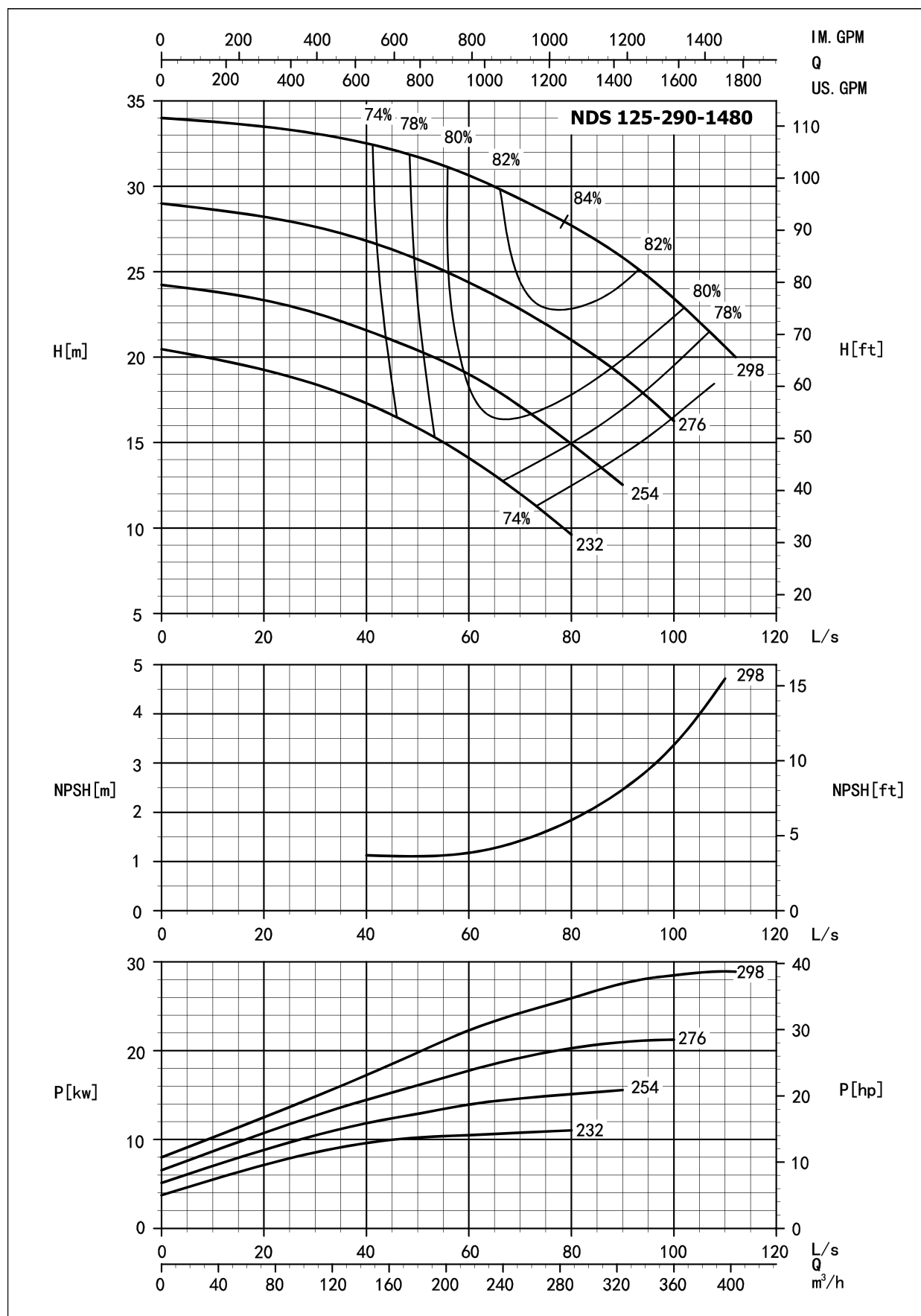
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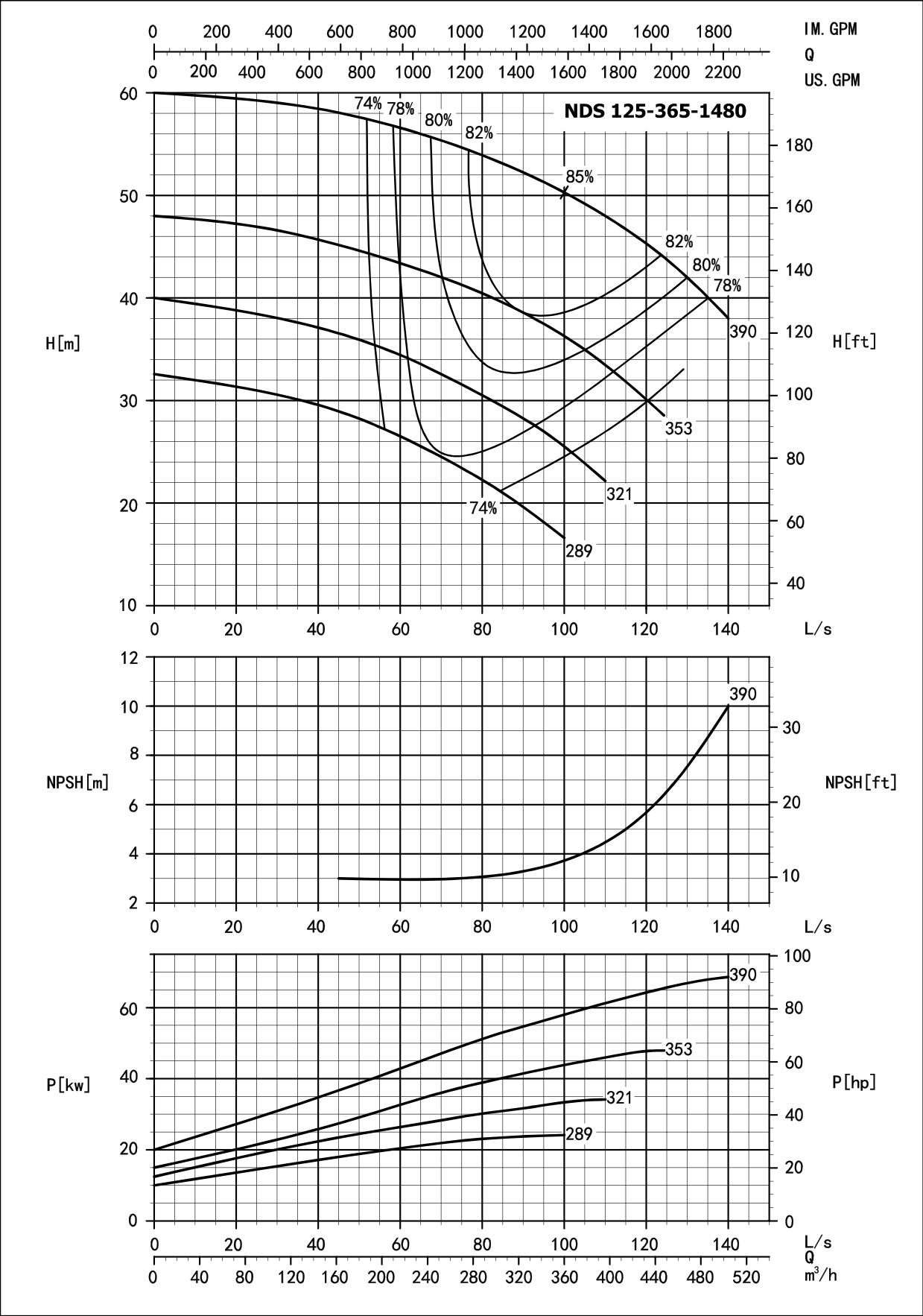
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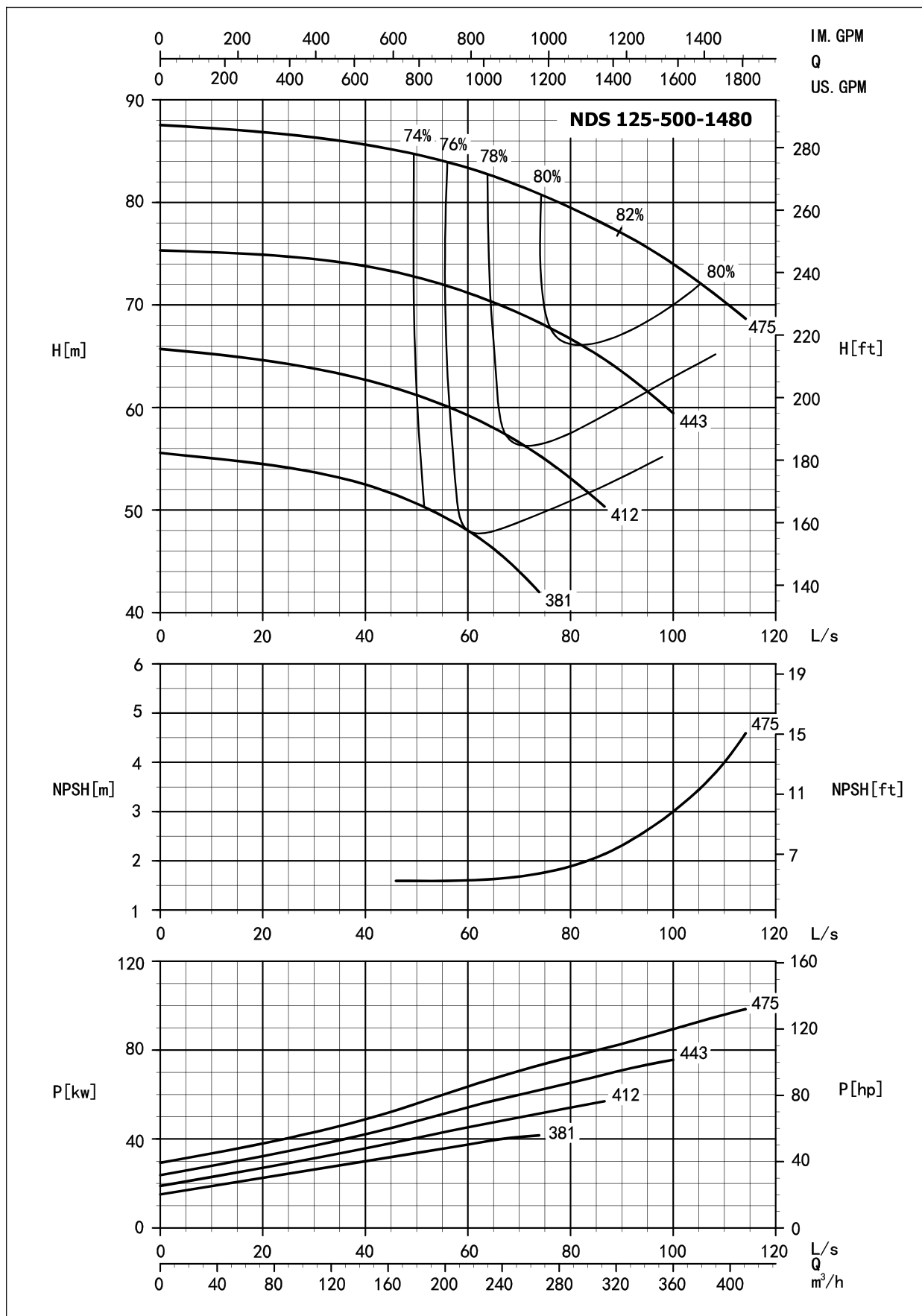
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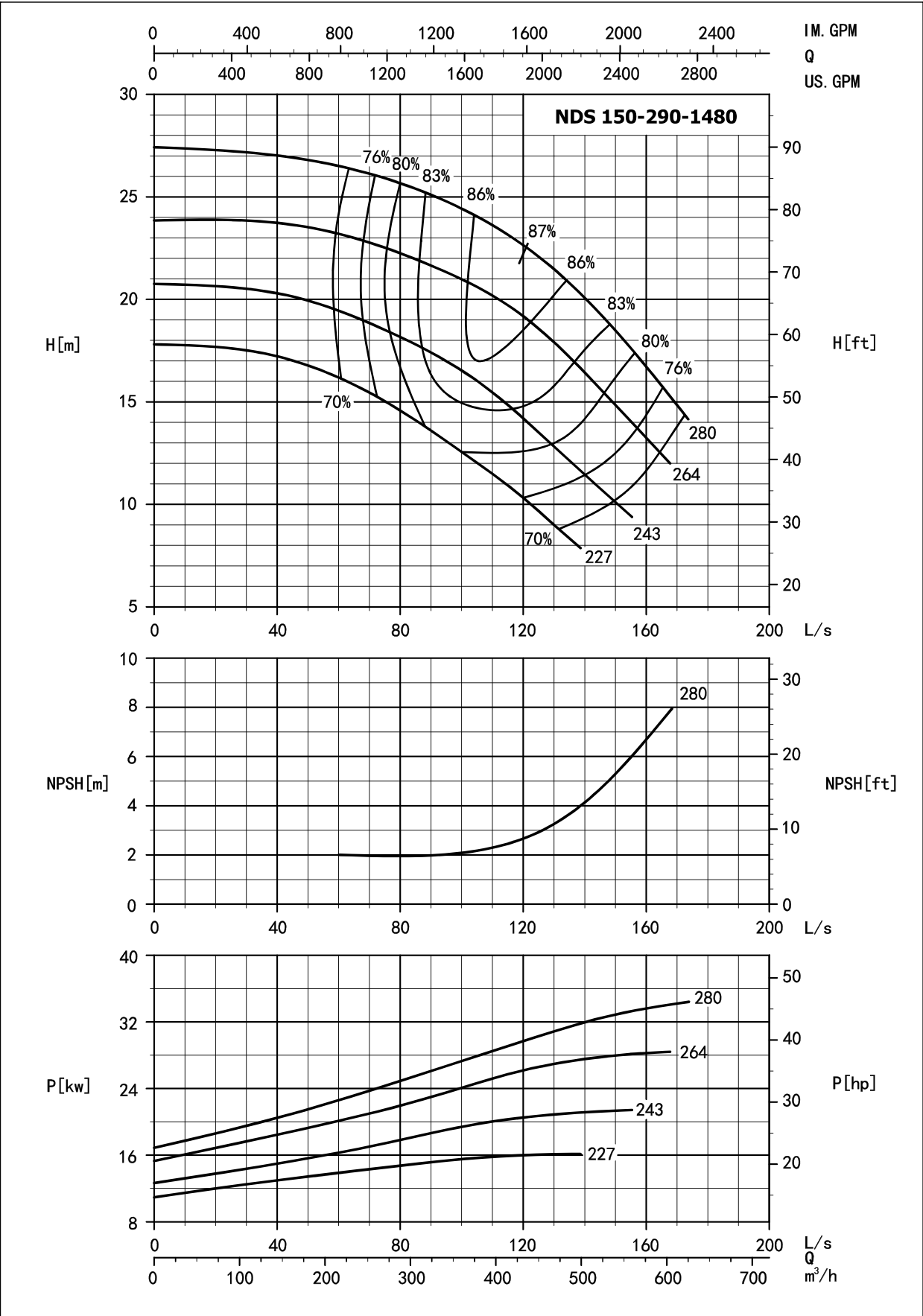
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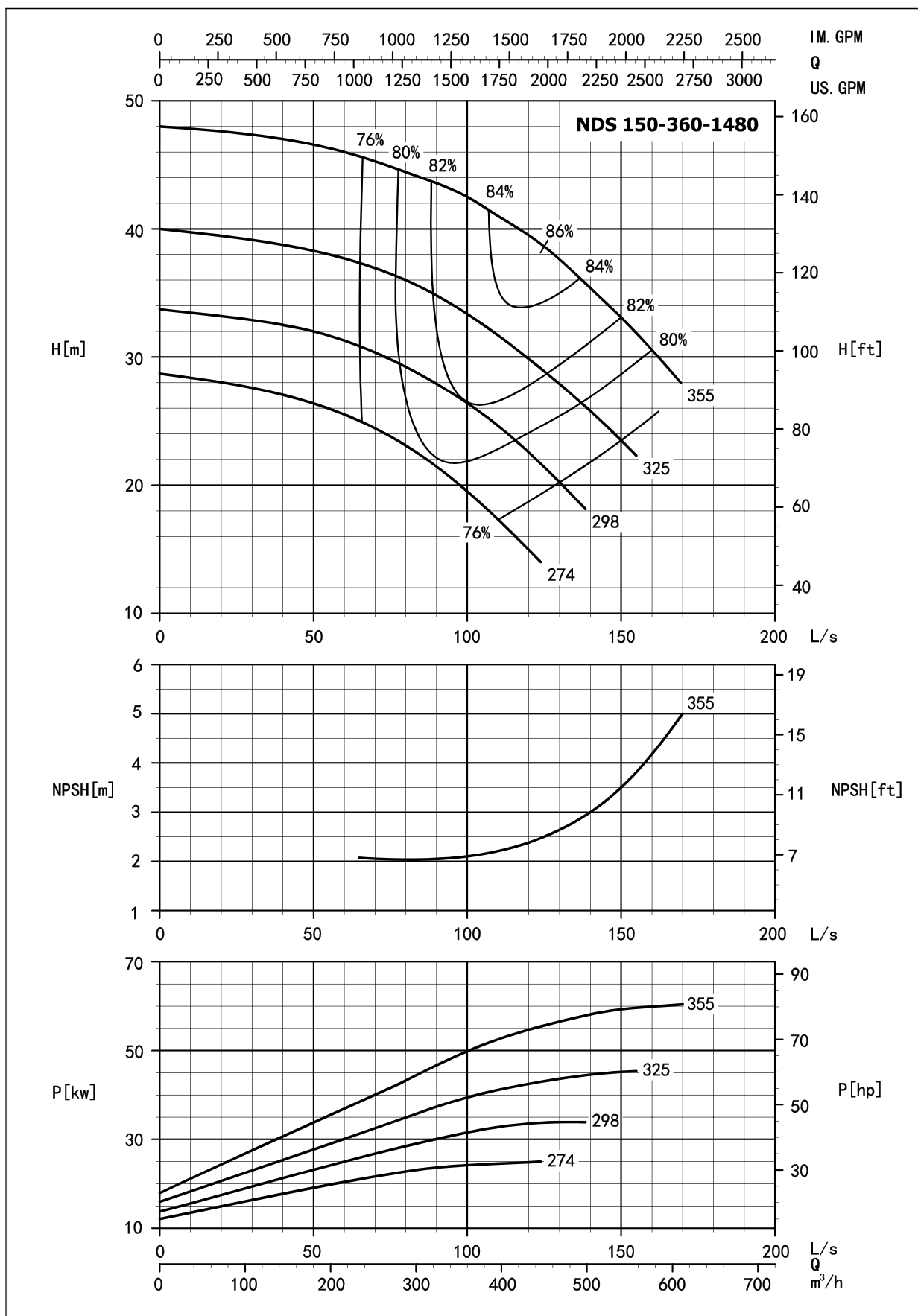
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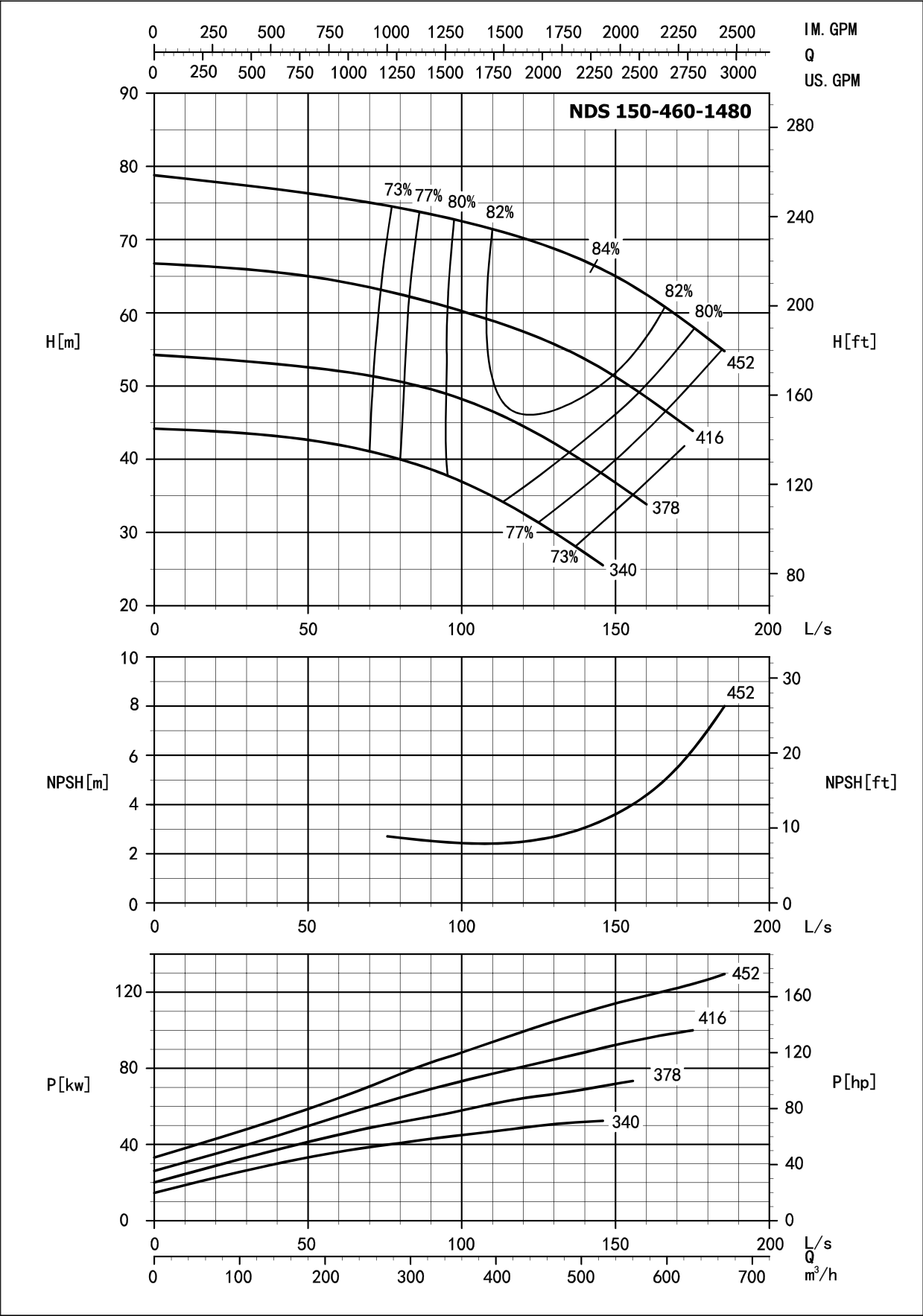
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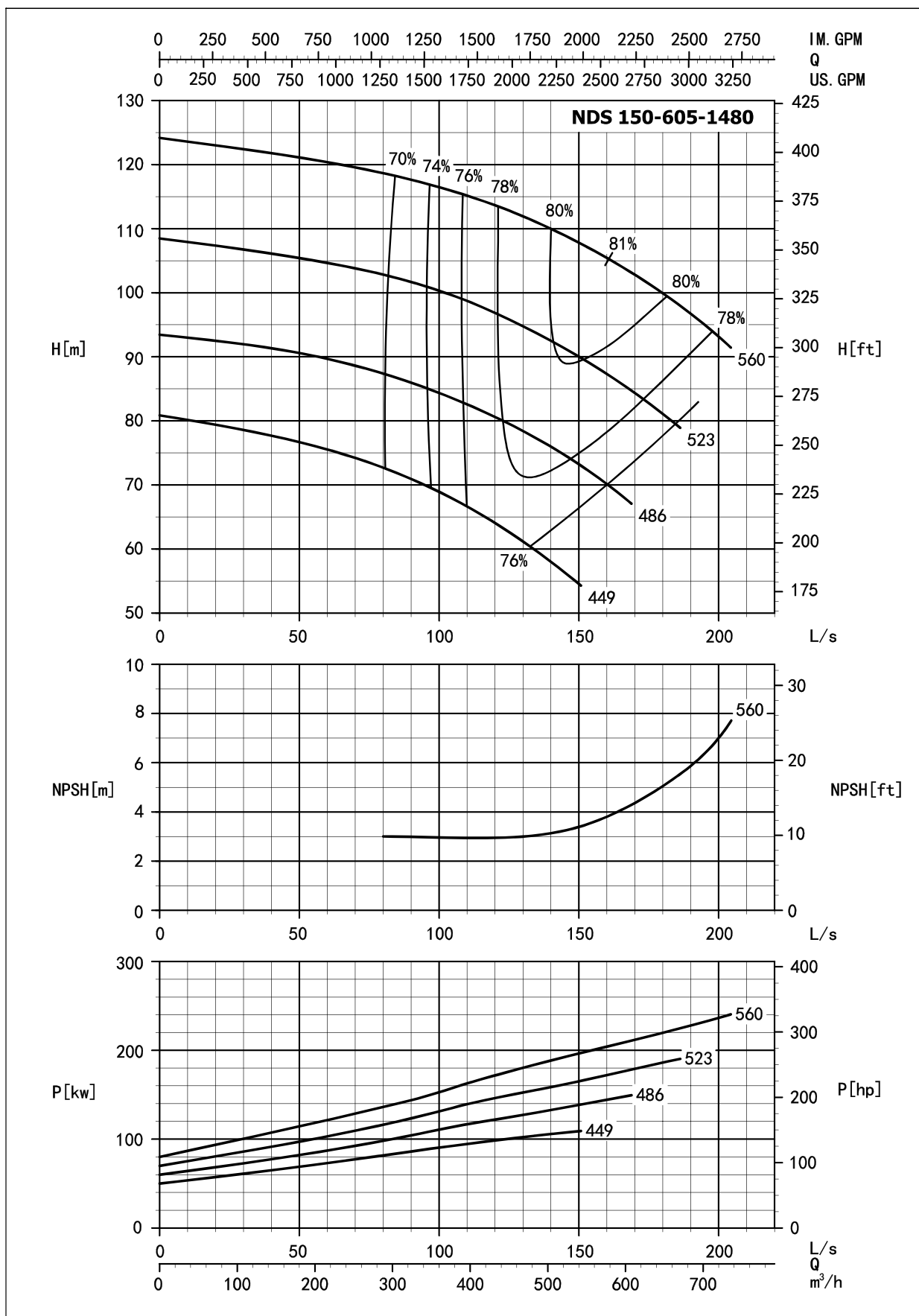
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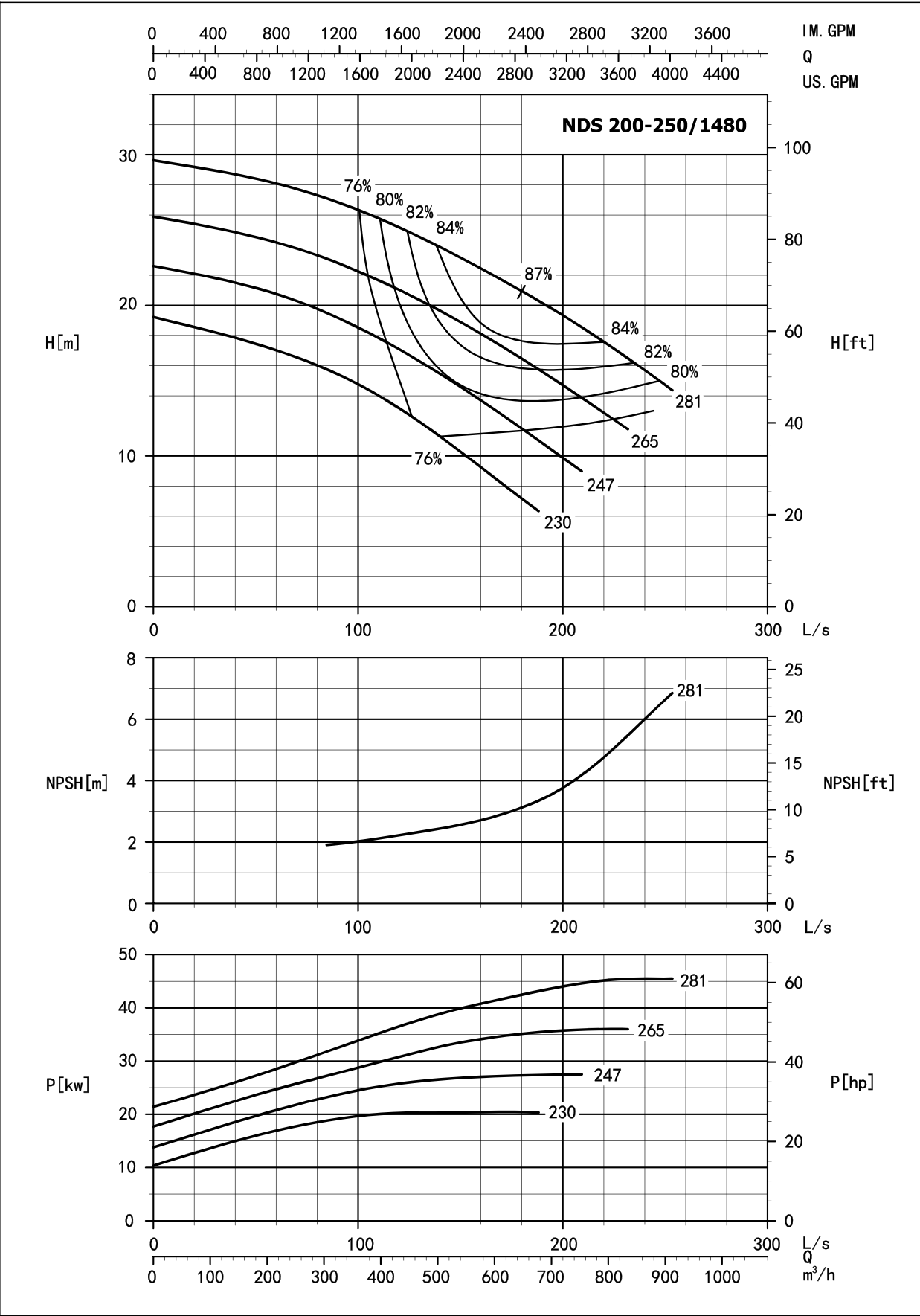
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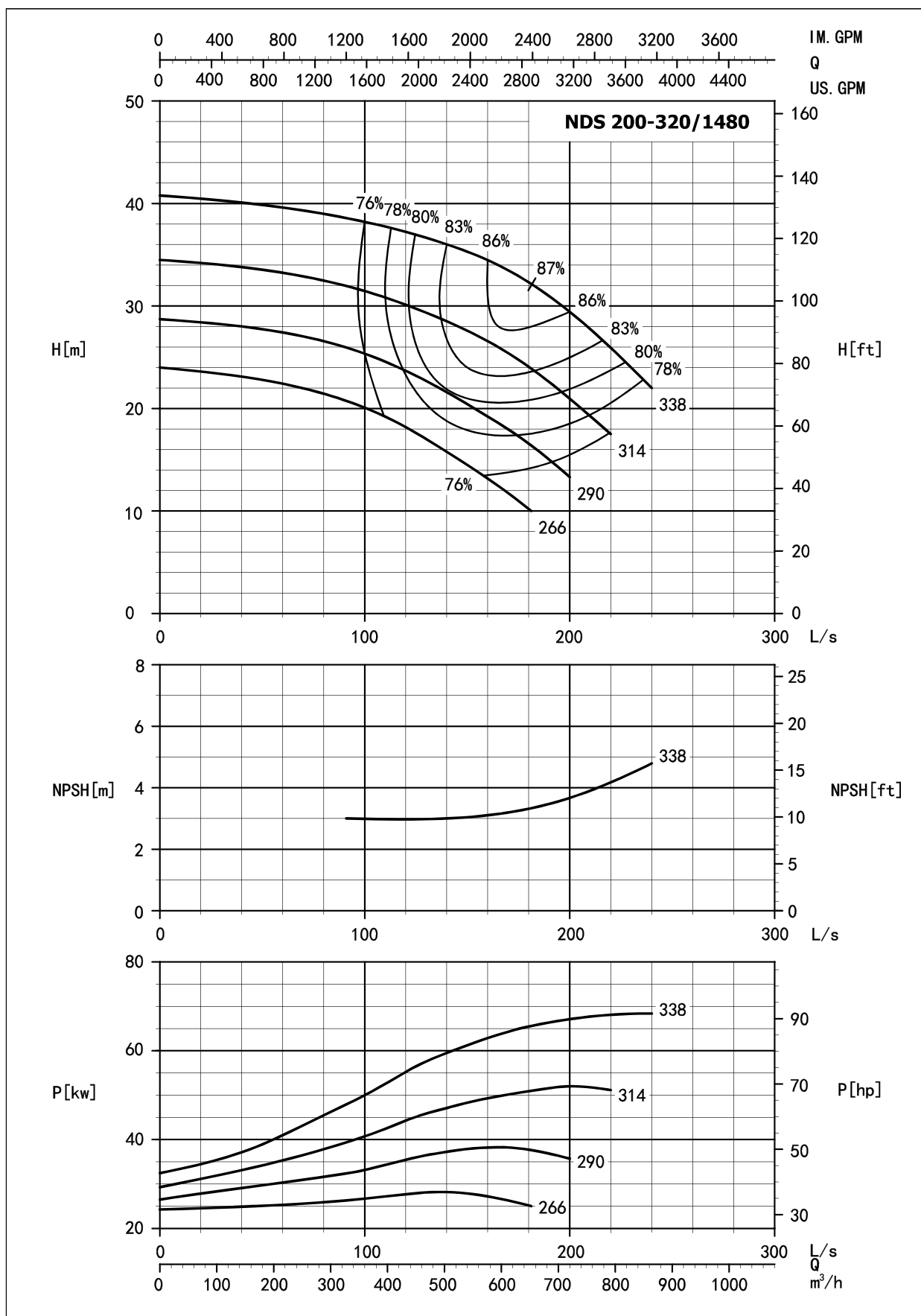
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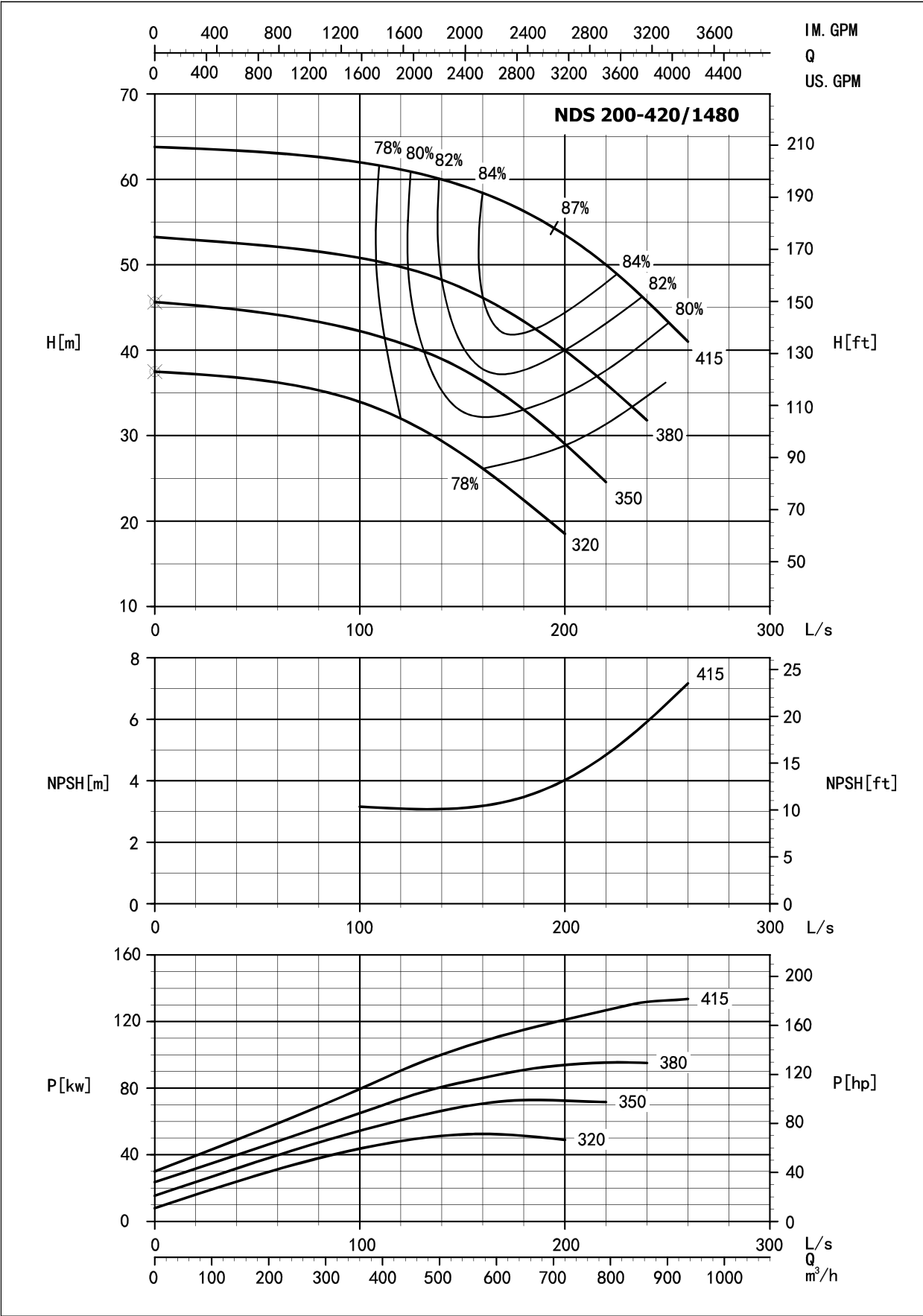
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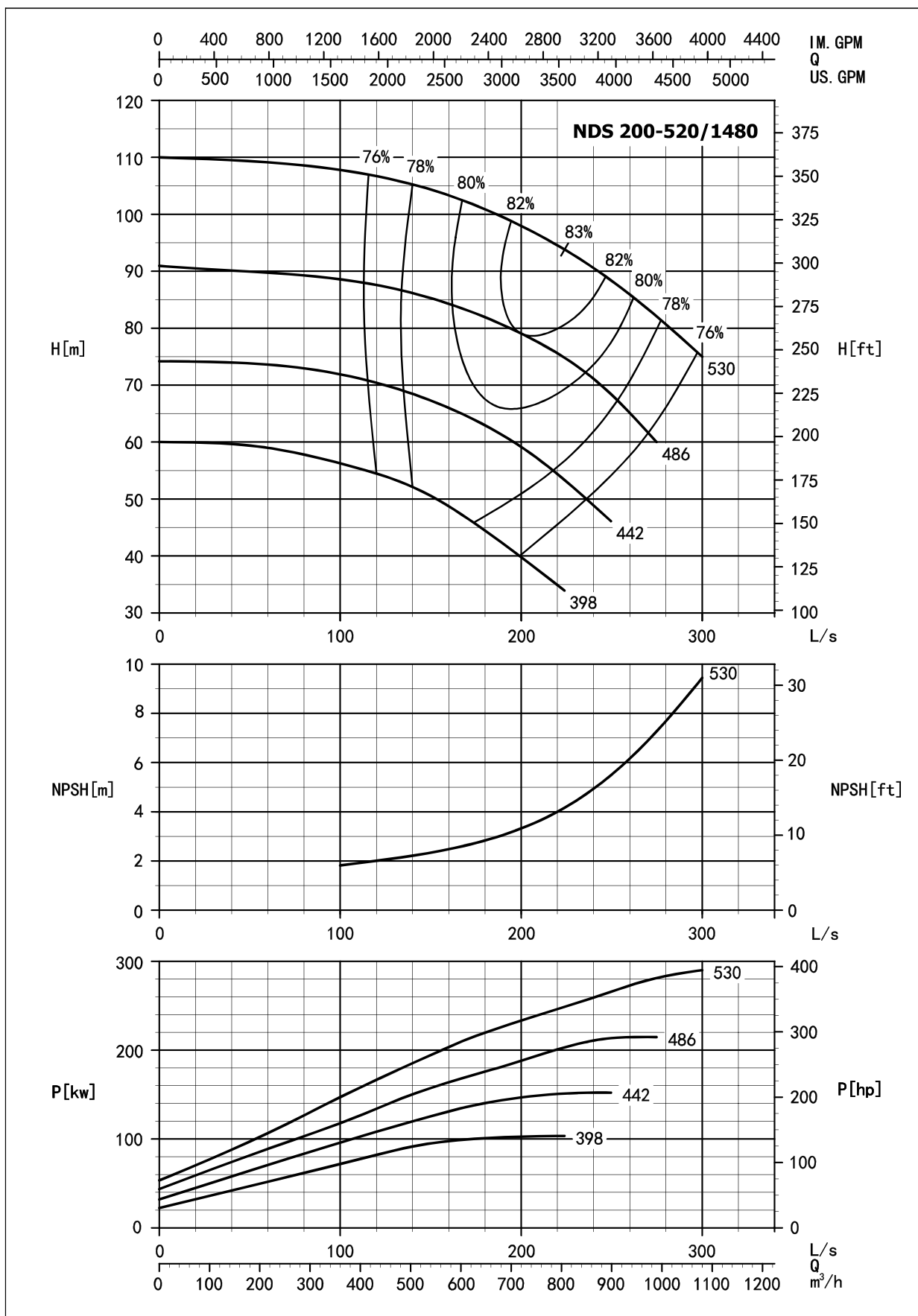
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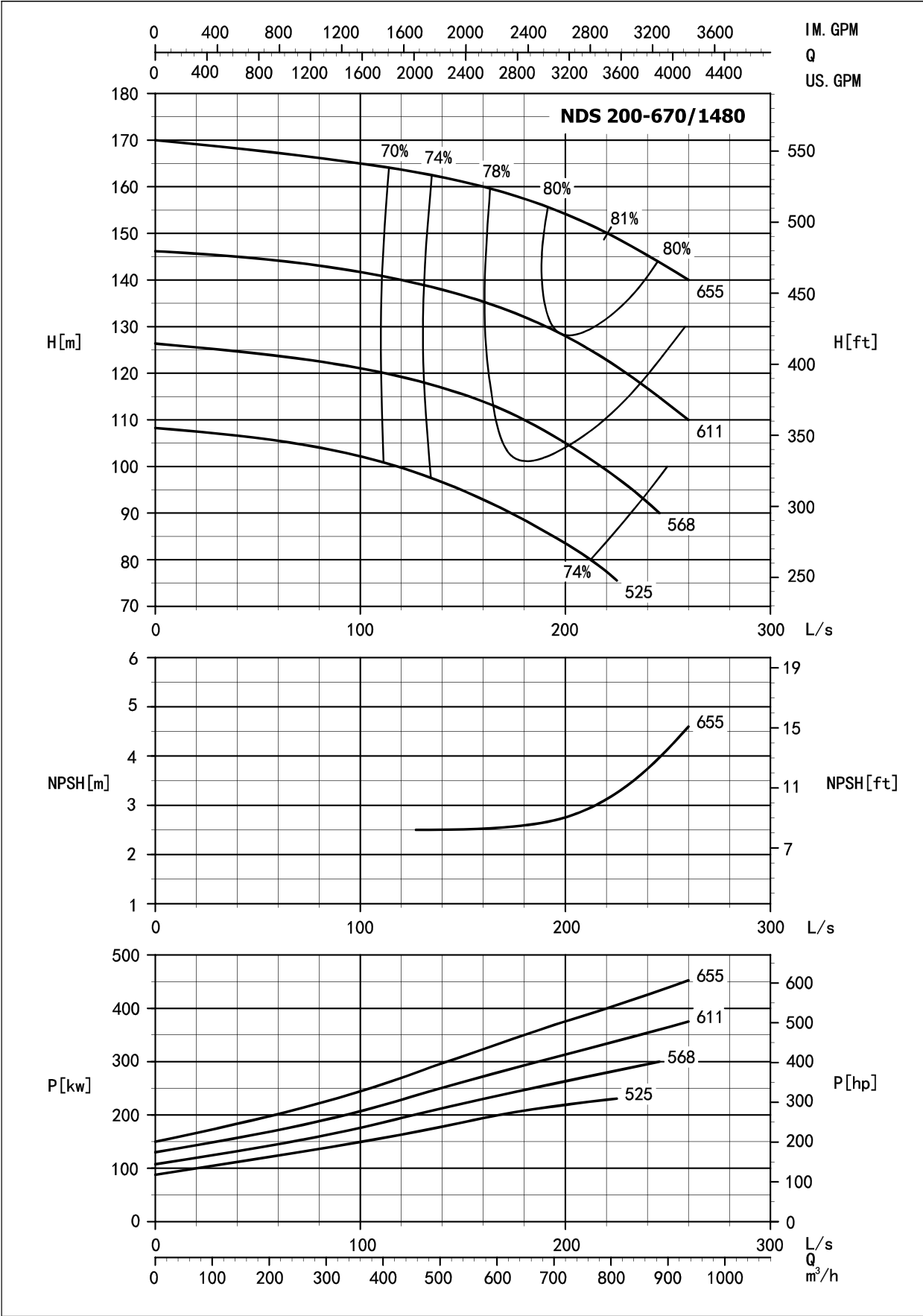
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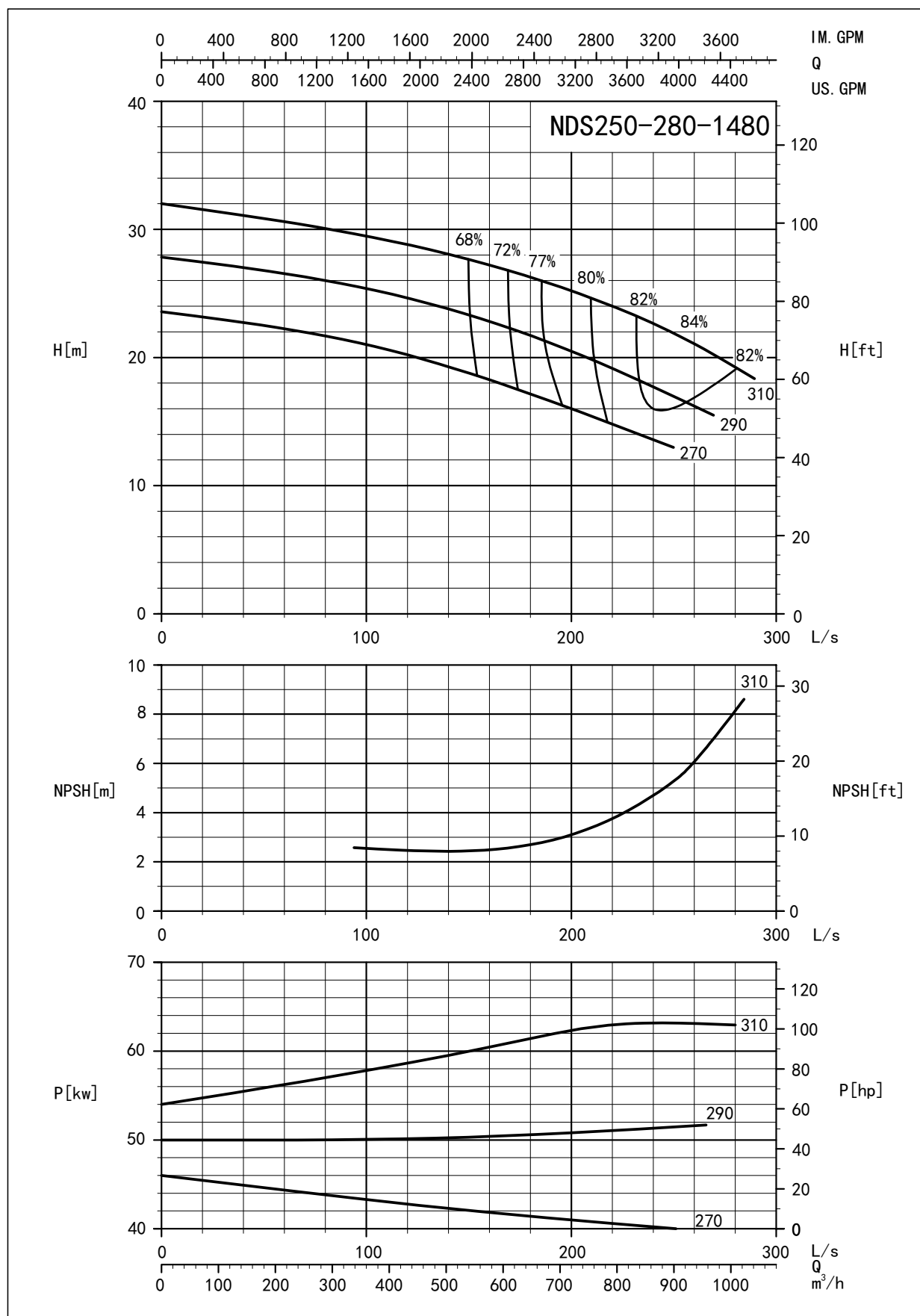
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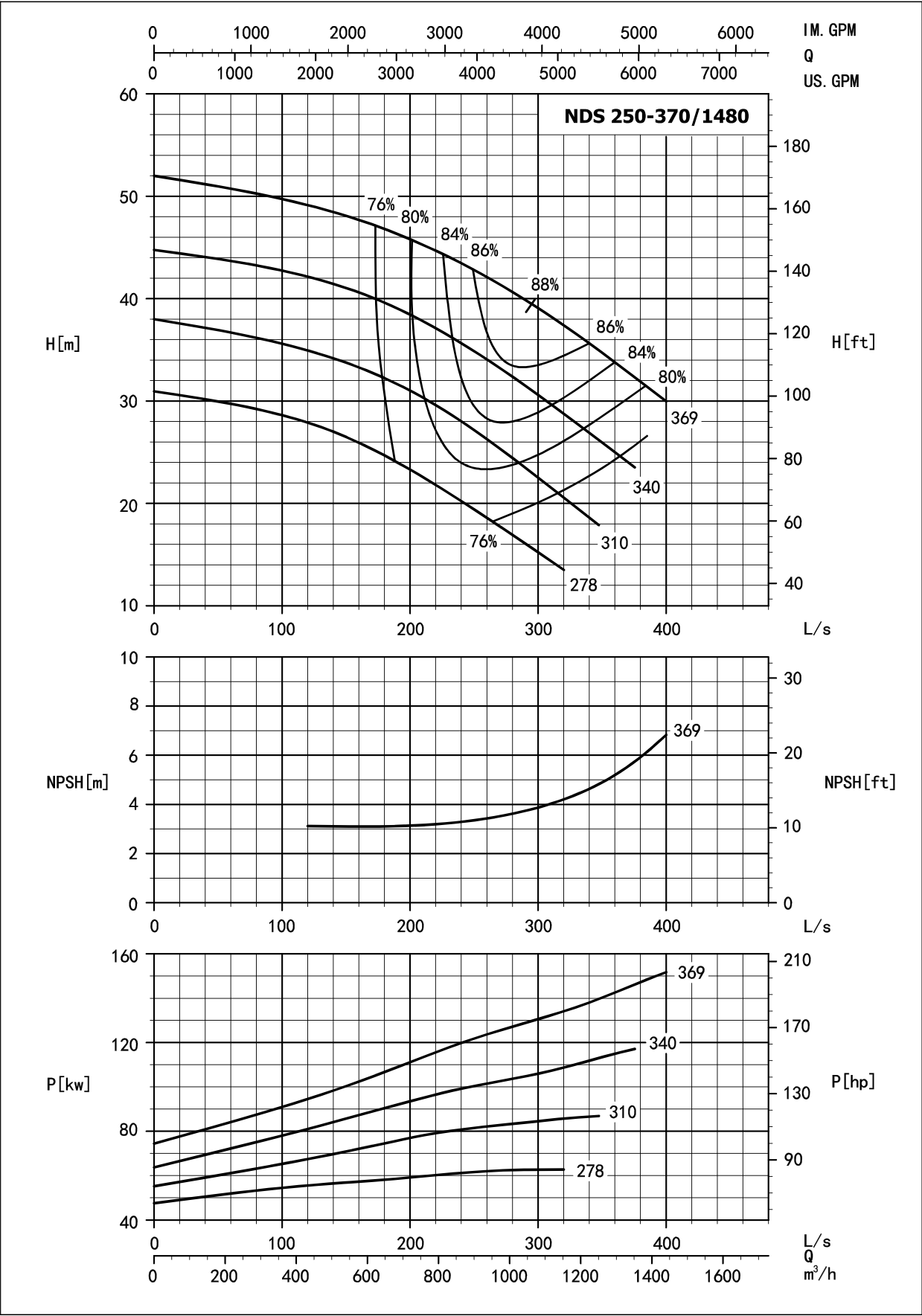
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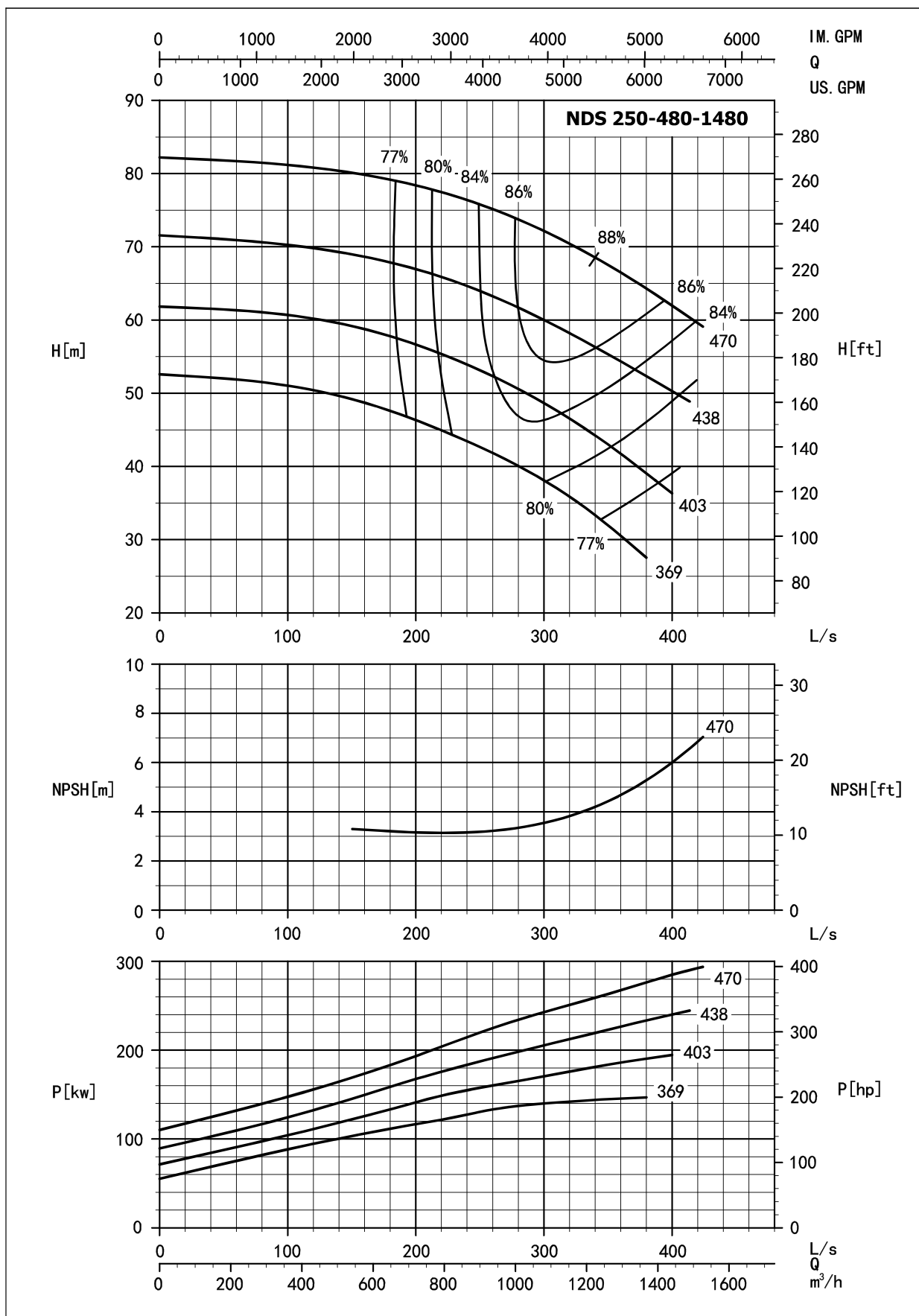
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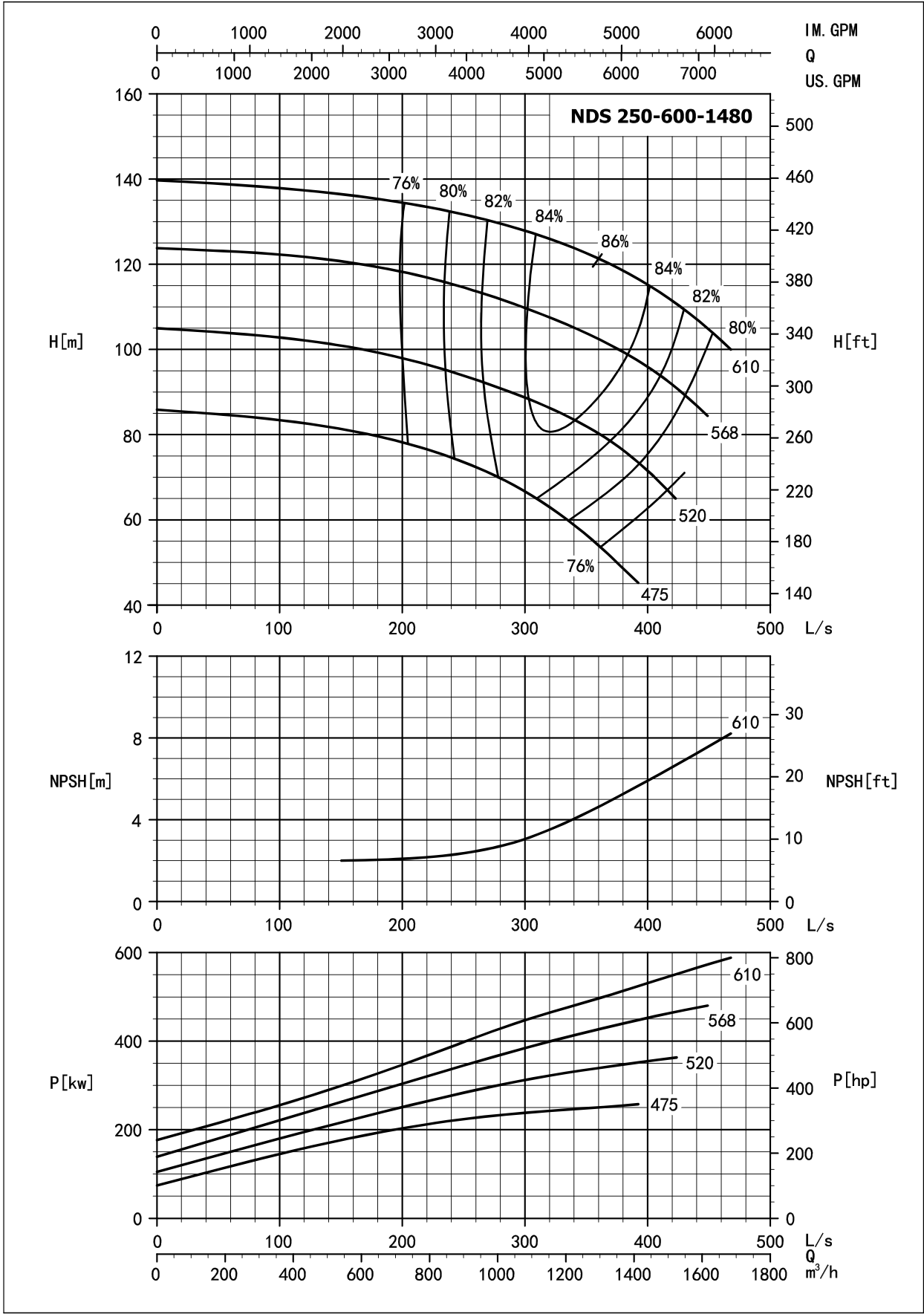
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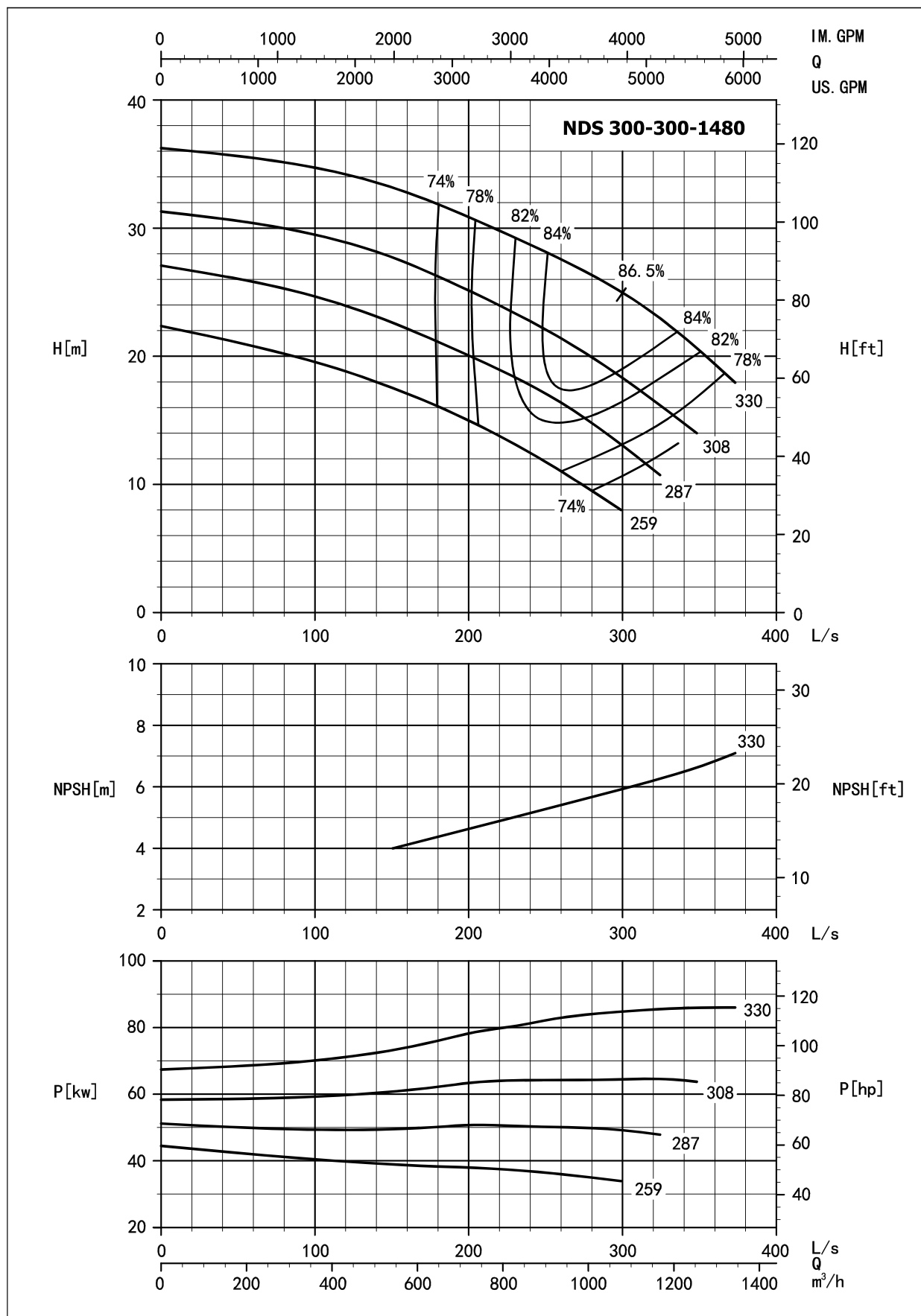
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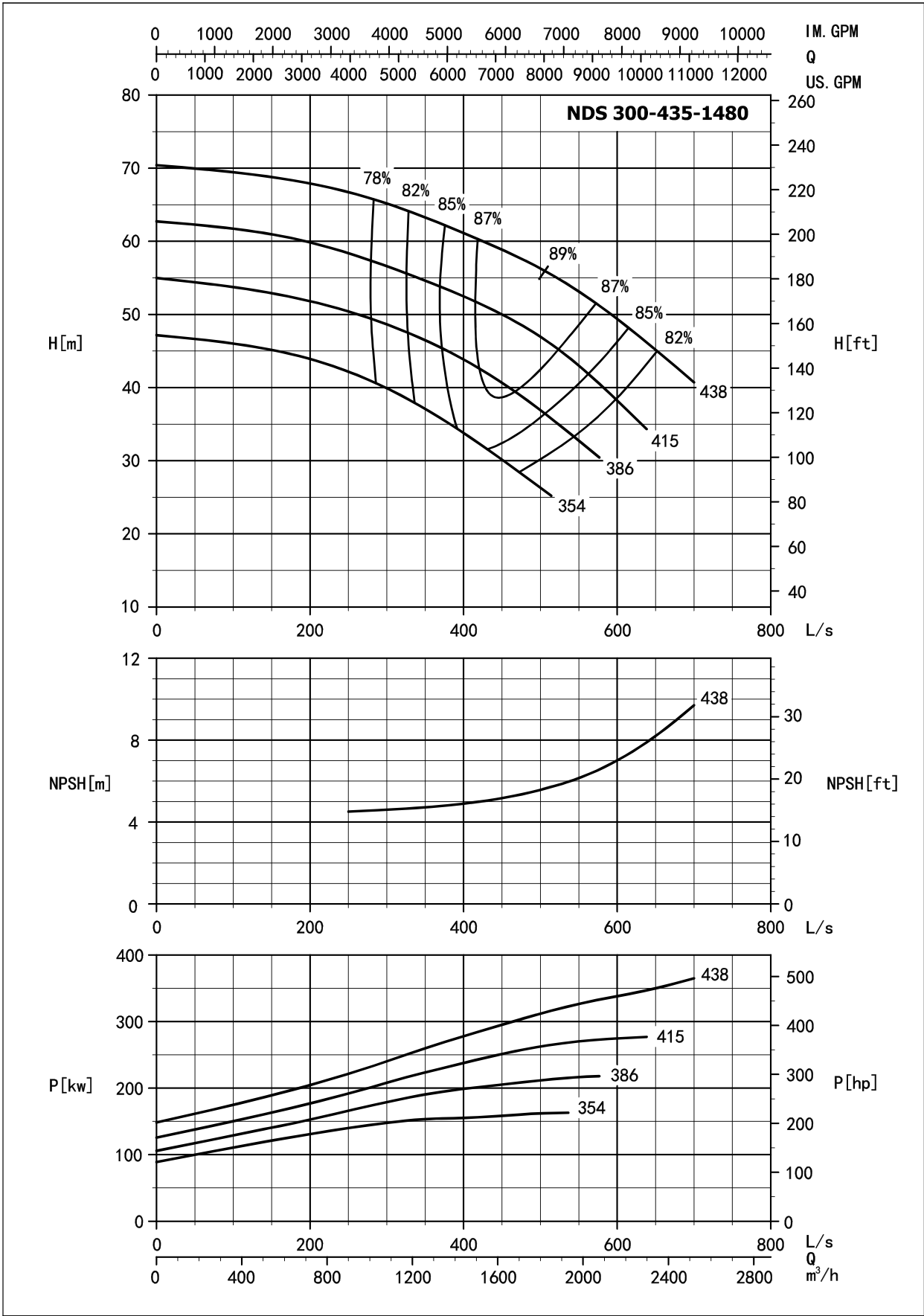
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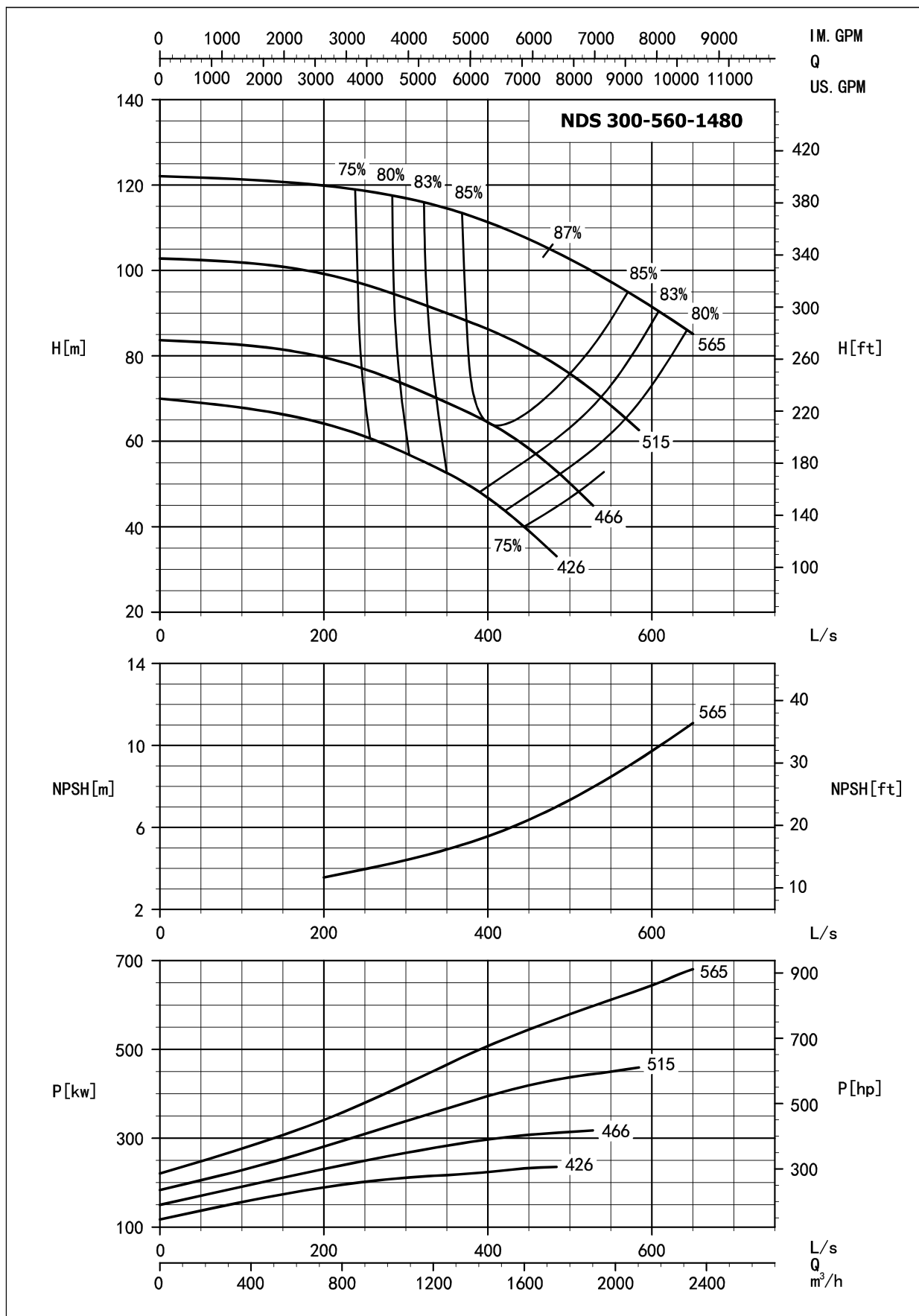
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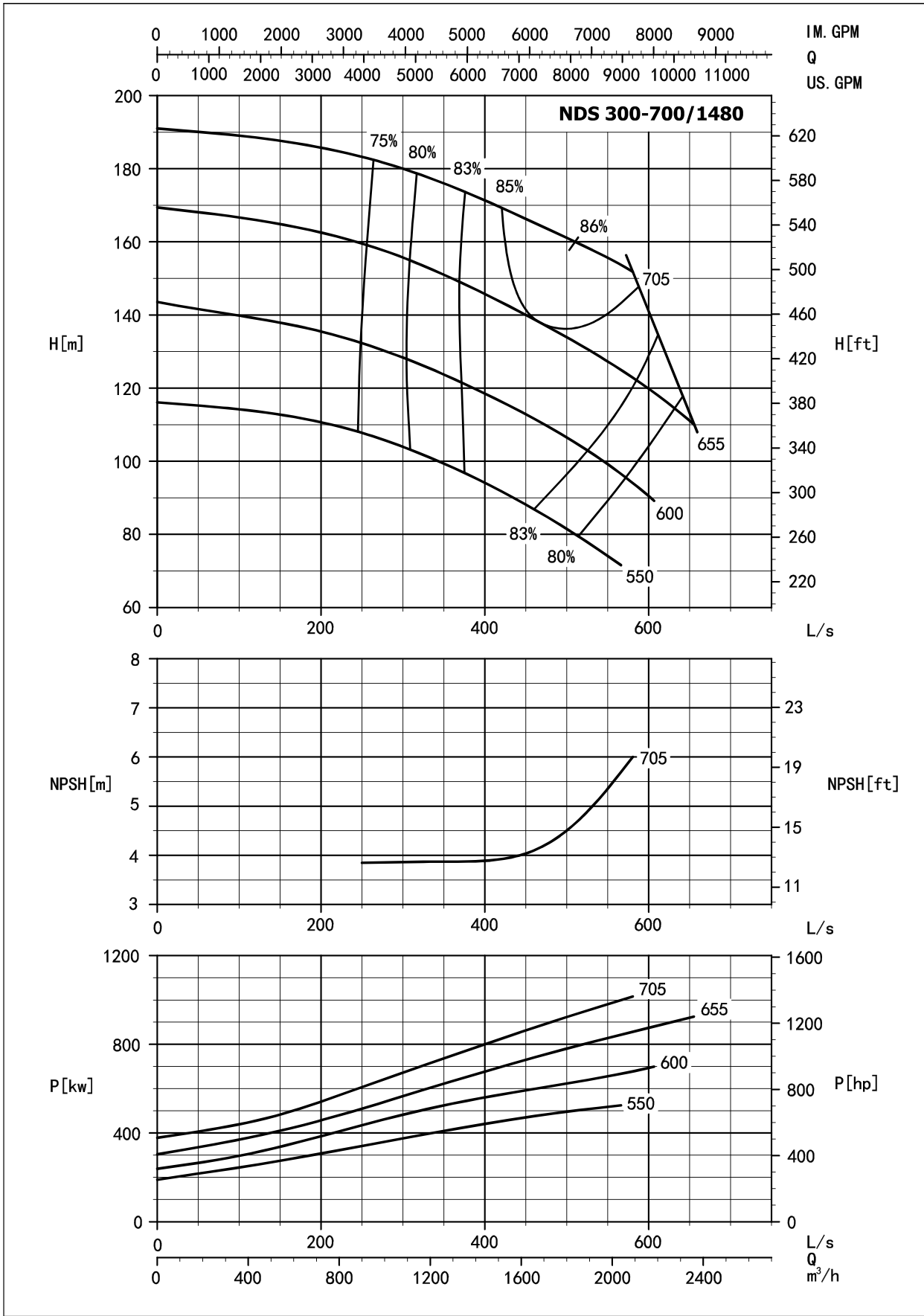
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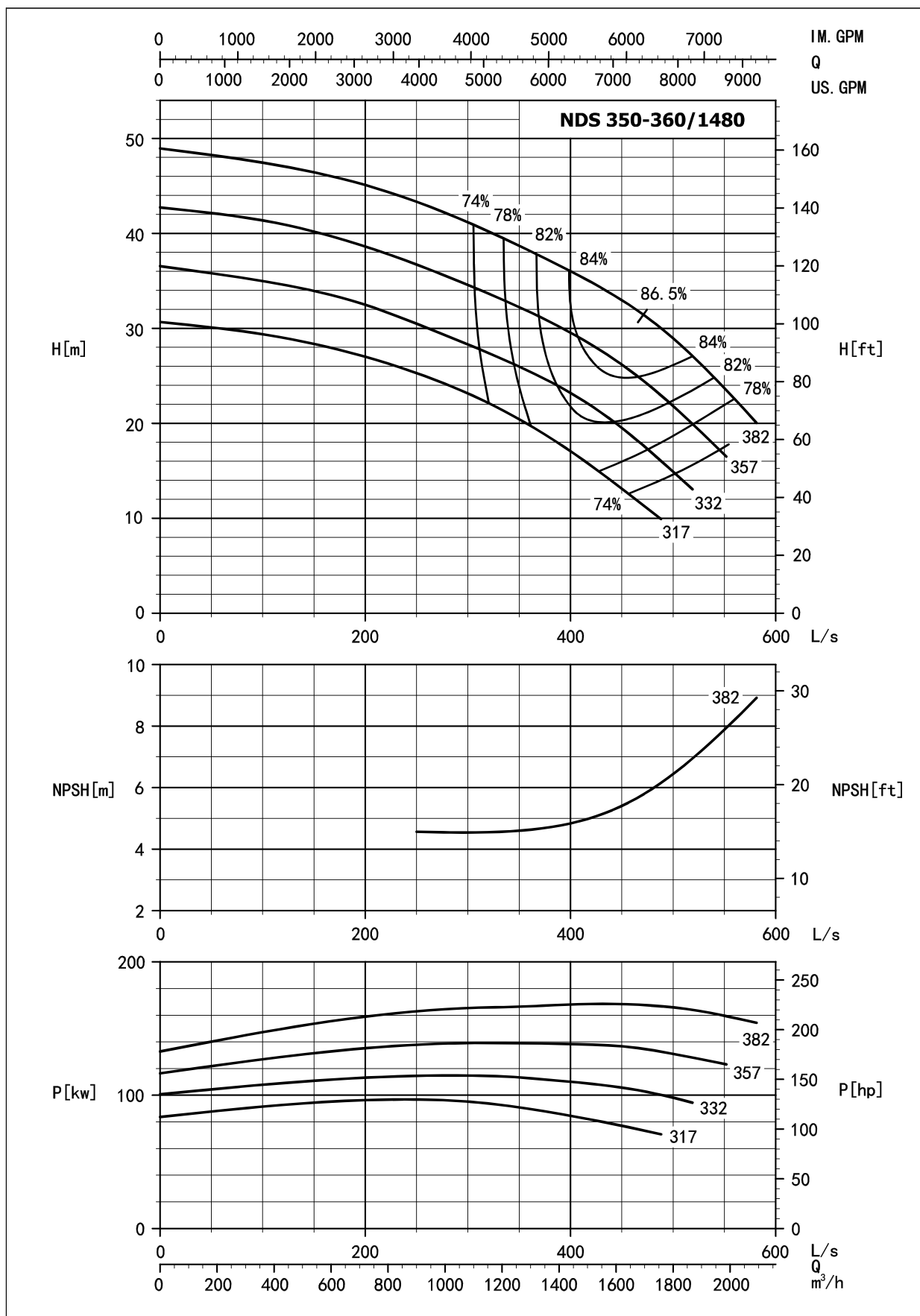
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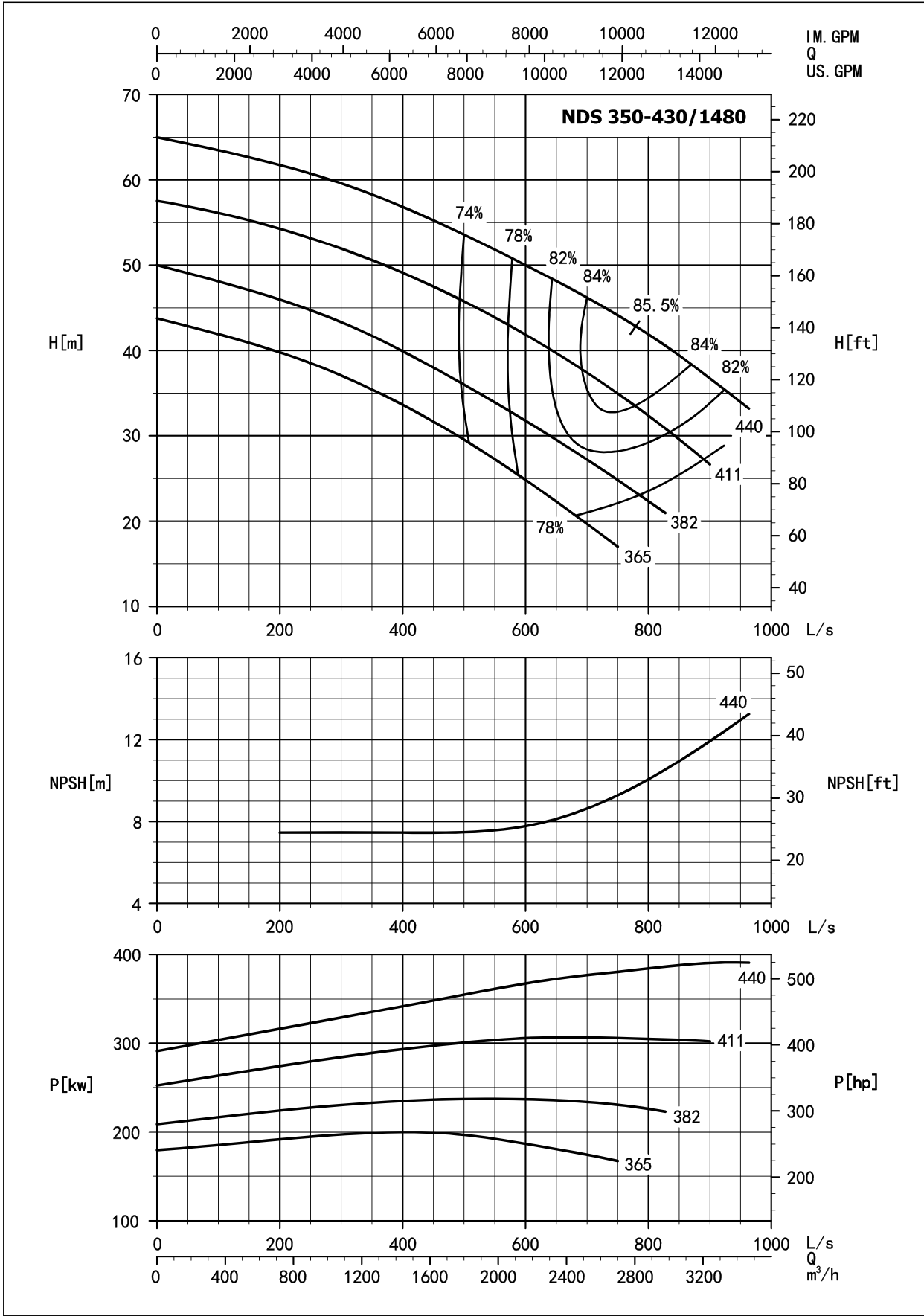
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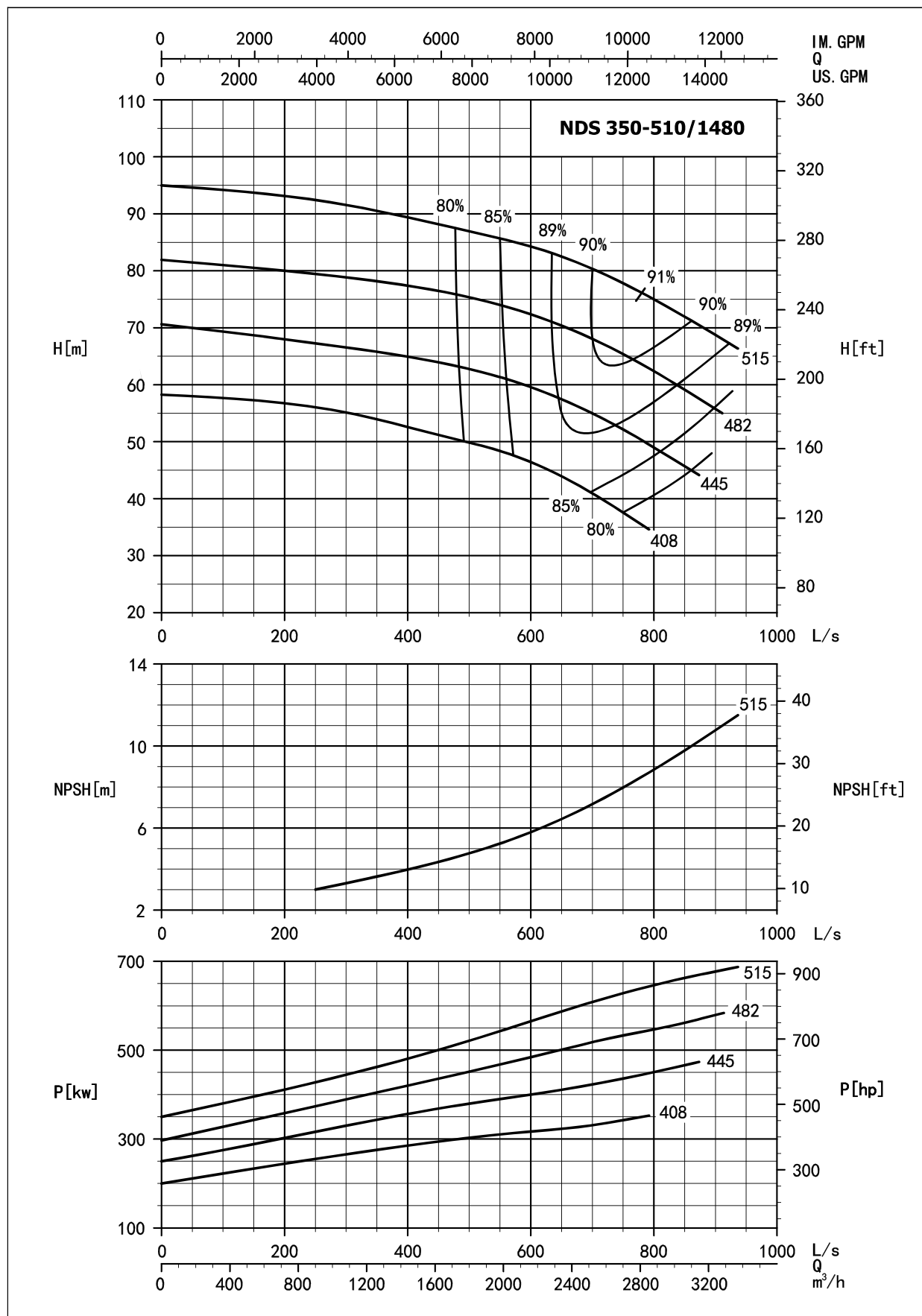
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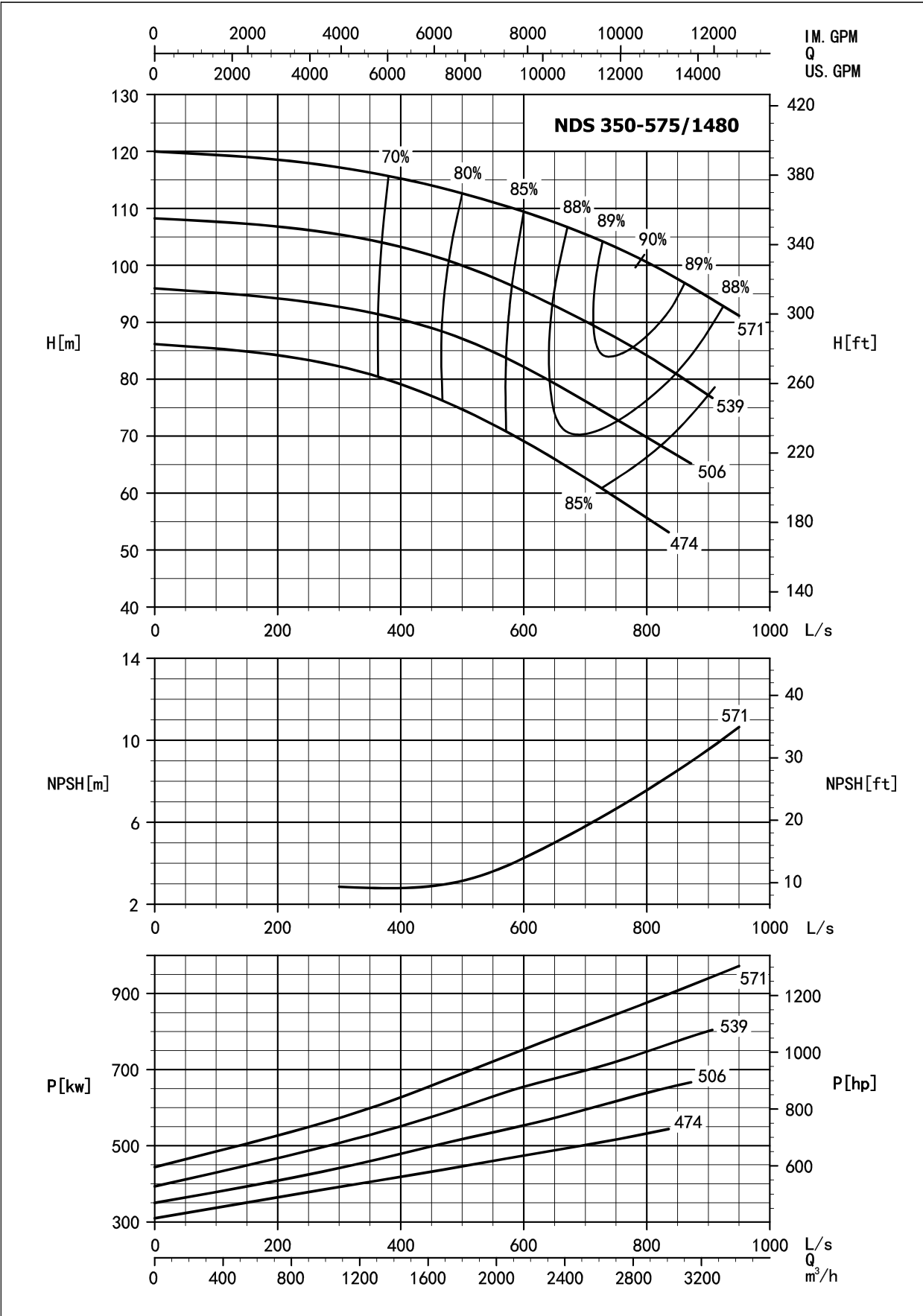
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Swiss Pump Company AG  
Moosweg 36  
CH - 3645 Thun - Gwatt  
Switzerland  
Tel. +41 33 223 11 00  
Fax +41 33 223 11 22  
mail@swisspump.com

[www.swisspump.com](http://www.swisspump.com)