



PST **n ≈ 2900 rpm**
Close coupled centrifugal pump



NEW

DESCRIPTION

- ◆ New EN733 standard centrifugal pump
- ◆ Both square motor & round motor available
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Pump case with anti-corrosive coating
- ◆ Galvanized counter flange with bolts, nuts and gaskets
- ◆ Quality NSK bearing, wear resistance mechanical seal

APPLICATIONS

- ◆ Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The EN733 centrifugal pumps are recommended for use in water supply, cleaning sets, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in climatisation sets, agricultural.

USING LIMITS

- ◆ Liquid temperature between **-10°C** and **+120°C**
- ◆ Ambient temperature between **-10°C** and **+50°C**
- ◆ Max. working pressure **16 bar**
- ◆ Continuous service **S1**



PST



TECHNICAL DESCRIPTION

- ※ New EN733 standard centrifugal pump
- ※ Original design by ROZET
- ※ Both square motor & round motor available
- ※ YE3 high efficient motor, with protection IP55 class F
- ※ Pump case with anti-corrosive coating
- ※ Impeller in stainless steel AISI Ss304/Bronze
- ※ Shaft in stainless steel AISI 304
- ※ Galvanized counter flange with bolts, nuts and gaskets
- ※ Quality NSK bearing, wear resistance mechanical seal

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The EN733 centrifugal pumps are recommended for use in water supply, cleaning sets, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in climatization sets, agricultural.

USING LIMITS

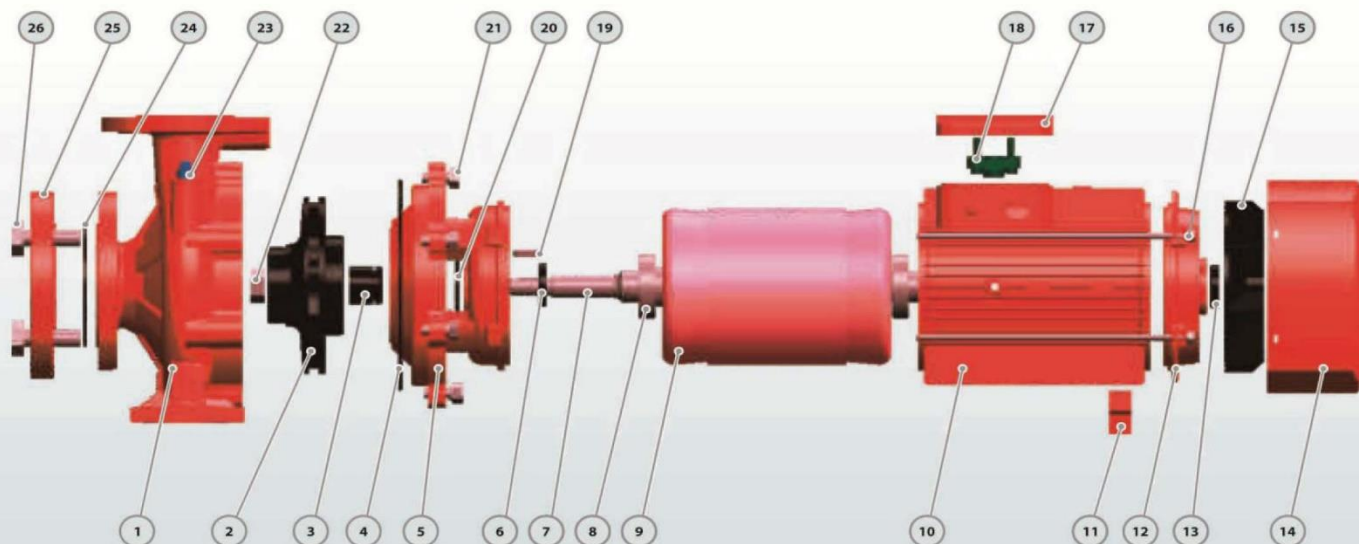
Liquid temperature between **-10°C** and **+120°C**
 Ambient temperature up to **+50°C**
 Max. working pressure **16 bar**
 Continuous service **S1**

STANDARD IMPELLER MATERIAL

DISCHARGE SIZE	IMPELLER SIZE						
	125	160	200	250	250D	315	400
32	Ss304	Ss304	Ss304	Ss304/Bronze	Ss304		
40	Cast iron	Cast iron	Ss304	Ss304/Bronze	/		
50	Cast iron	Cast iron	Cast iron	Ss304/Bronze	/		
65	Cast iron	Cast iron	Cast iron	Ss304/Bronze	/	Ss304/Bronze	
80	Cast iron	Cast iron	Cast iron	Ss304/Bronze	/	Ss304/Bronze	Cast iron
100		Cast iron	Cast iron	Ss304/Bronze	/	Ss304/Bronze	Cast iron
125			Cast iron	Ss304/Bronze	/	Ss304/Bronze	Cast iron
150			Cast iron	Ss304/Bronze	/	Ss304/Bronze	Cast iron
200				Ss304/Bronze	/		Cast iron
250				Ss304/Bronze	/		Cast iron



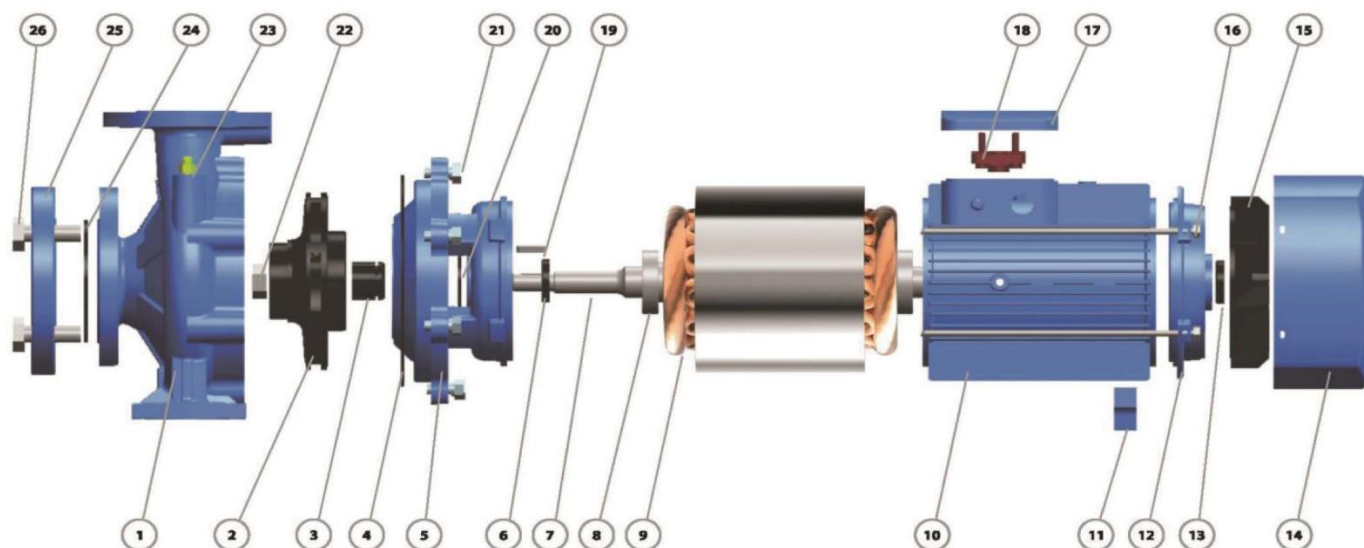
MATERIAL DESCRIPTION



No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Pump Case	Cast iron	10	Motor Case	Aluminum	19	Impeller Key	Iron
2	Impeller	SS304/Cast iron Bronze	11	Support Foot	Plastic	20	Water Deflector	Rubber
3	Mechanical Seal	SiC/Carbon/SS304	12	Back Cover	Cast iron	21	Connection Bolt	Steel
4	O-ring	Rubber	13	Reinforced Seal	Rubber	22	Impeller Nut	Galvanized Steel
5	Connection	Cast iron	14	Fan Cover	Aluminum	23	Release Valve	Brass
6	Reinforced Seal	Rubber	15	Fan	Plastic	24	Gasket	Rubber
7	Shaft	SS304/45# Steel	16	Through Bolt	Steel	25	Counter Flange	Galvanized Cast iron
8	Bearing	Ball Bearing	17	Terminal Box	Aluminum	26	Flange Bolt	Steel
9	Wound Stator/Rotor	Silicon Steel/Copper	18	Terminal Board	Plastic			



MATERIAL DESCRIPTION



No.	Description	Material
1	Pump Case	Cast iron
2	Impeller	SS304/Cast Iron Bronze
3	Mechanical Seal	SiC/Carbon/SS304
4	O-ring	Rubber
5	Connection	Cast iron
6	Reinforced Seal	Rubber
7	Shaft	SS304/45# Steel
8	Bearing	Ball Bearing
9	Wound Stator/Rotor	Silicon Steel/Copper

No.	Description	Material
10	Motor Case	Aluminum
11	Support Foot	Plastic
12	Back Cover	Cast iron
13	Reinforced Seal	Rubber
14	Fan Cover	Aluminum
15	Fan	Plastic
16	Through Bolt	Steel
17	Terminal Box	Aluminum
18	Terminal Board	Plastic

No.	Description	Material
19	Impeller Key	Iron
20	Water Deflector	Rubber
21	Connection Bolt	Steel
22	Impeller Nut	Galvanized Steel
23	Release Valve	Brass
24	Gasket	Rubber
25	Counter Flange	Galvanized Cast iron
26	Flange Bolt	Steel



TECHNICAL DATA

50 Hz n=2900 1/min

MODEL	DN mm	Power		Q=DELIVERY																	
				us gpm	0	26	40	66	79	106	119	159	185	211	238	317	370	396	476	529	608
		l/min	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300		
		m³/h	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138		
		kw	hp	H=Head (m)																	
PST 32-125/07	50x32	0.75	1	17.5	16.7	15	12	9	-	-	-	-	-	-	-	-	-	-	-		
PST 32-125/11	50x32	1.1	1.5	22	21	19.7	16.5	14.5	9	-	-	-	-	-	-	-	-	-	-		
PST 32-160/15	50x32	1.5	2	25.4	23.7	22.5	18.5	15.8	-	-	-	-	-	-	-	-	-	-	-		
PST 32-160/22	50x32	2.2	3	31	29.6	28.5	24.5	22	15	-	-	-	-	-	-	-	-	-	-		
PST 32-160/30	50x32	3	4	35	34.3	32.5	28	25.5	19	15	-	-	-	-	-	-	-	-	-		
PST 32-200/30	50x32	3	4	44.2	42	39.8	35.2	32.2	24.6	19.8	-	-	-	-	-	-	-	-	-		
PST 32-200/40	50x32	4	5.5	54.5	52	50	45.5	42.3	35	30.3	-	-	-	-	-	-	-	-	-		
PST 32-250/55	50x32	5.5	7.5	60	59.5	59	55	50.2	34.5	-	-	-	-	-	-	-	-	-	-		
PST 32-250/75	50x32	7.5	10	69.5	69	68.5	66	63	53	-	-	-	-	-	-	-	-	-	-		
PST 32-250/92	50x32	9.2	12.5	75	75	74.5	72	69	59	-	-	-	-	-	-	-	-	-	-		
PST 32-250/110	50x32	11	15	90	89.5	88	82	78	66	-	-	-	-	-	-	-	-	-	-		
PST 32-250/150	50x32	15	20	97	96.5	96	90	86	73	-	-	-	-	-	-	-	-	-	-		
PST 32-250/55D	50x32	5.5	7.5	79.5	74.7	71.8	63	56	37.5	-	-	-	-	-	-	-	-	-	-		
PST 32-250/75D	50x32	7.5	10	95	93	91	83	76	57.8	-	-	-	-	-	-	-	-	-	-		
PST 40-125/11	65x40	1.1	1.5	14.7	-	-	-	13	11.5	10.1	5.8	-	-	-	-	-	-	-	-		
PST 40-125/15	65x40	1.5	2	18.1	-	-	-	17	15	13.9	10	6	-	-	-	-	-	-	-		
PST 40-125/22	65x40	2.2	3	24.5	-	-	-	23.2	21.5	20.2	16	13	8.3	-	-	-	-	-	-		
PST 40-160/30	65x40	3	4	31.8	-	-	-	29.5	27.5	26.3	21.5	17.5	-	-	-	-	-	-	-		
PST 40-160/40	65x40	4	5.5	38	-	-	-	36	34	33	28.5	25	20.1	-	-	-	-	-	-		
PST 40-200/55	65x40	5.5	7.5	46	-	-	-	43.8	41.3	40.1	35	30	-	-	-	-	-	-	-		
PST 40-200/75	65x40	7.5	10	57	-	-	-	53.6	51.5	50	45	41	36.5	-	-	-	-	-	-		
PST 40-250/92	65x40	9.2	12.5	64	-	-	-	59	56.5	55	49.5	45	39.8	-	-	-	-	-	-		
PST 40-250/110	65x40	11	15	72	-	-	-	67.5	65	63.5	57.5	52.2	47	-	-	-	-	-	-		
PST 40-250/150	65x40	15	20	84.5	-	-	-	79.3	77.3	75.2	70	66	61	-	-	-	-	-	-		
PST 40-250/185	65x40	18.5	25	90	-	-	-	85.5	82.8	80.7	75.8	70.5	66.5	-	-	-	-	-	-		
PST 50-125/22	65x50	2.2	3	17	-	-	-	-	-	-	15.4	14	12.8	11.5	6.5	-	-	-	-		
PST 50-125/30	65x50	3	4	20	-	-	-	-	-	-	18.8	18	17	15.6	11	-	-	-	-		
PST 50-125/40	65x50	4	5.5	24	-	-	-	-	-	-	23.1	23	21.5	20.3	15.8	11.8	-	-	-		
PST 50-160/55	65x50	5.5	7.5	32	-	-	-	-	-	-	30.6	30	28	26.6	20.5	14.8	-	-	-		
PST 50-160/75	65x50	7.5	10	40	-	-	-	-	-	-	38	37	36	34.4	29	24	21	-	-		
PST 50-200/92	65x50	9.2	12.5	50.5	-	-	-	-	-	-	46.8	45	43	40.9	32.5	26.7	-	-	-		
PST 50-200/110	65x50	11	15	57.5	-	-	-	-	-	-	53.5	52	50	47.5	40	34	29	-	-		
PST 50-200/150	65x50	15	20	62	-	-	-	-	-	-	58	56.5	54.5	52	44.5	39	35.5	-	-		
PST 50-250/150	65x50	15	20	68.5	-	-	-	-	-	-	64	63	61.5	59	50	41	-	-	-		
PST 50-250/185	65x50	18.5	25	79	-	-	-	-	-	-	75.8	74.8	74	71.5	63.5	55.5	47	-	-		
PST 50-250/220	65x50	22	30	89.5	-	-	-	-	-	-	86	85.3	84	81.5	73.5	63.5	57	-	-		
PST 65-125/40	80x65	4	5.5	19	-	-	-	-	-	-	-	-	17.3	16.8	14.5	13	11.8	-	-		
PST 65-125/55	80x65	5.5	7.5	23	-	-	-	-	-	-	-	-	21.3	20.9	19	17.5	16.7	13.7	-		
PST 65-125/75	80x65	7.5	10	27	-	-	-	-	-	-	-	-	26	25.6	24.5	23	22.5	20	18		
PST 65-160/92	80x65	9.2	12.5	33	-	-	-	-	-	-	-	-	-	31.5	30	28	27.1	24	21.5		
PST 65-160/110	80x65	11	15	36	-	-	-	-	-	-	-	-	-	34.5	33	31.5	30.8	28	25.5		
PST 65-160/150	80x65	15	20	42	-	-	-	-	-	-	-	-	-	41	40	38.5	37.8	35	33		
PST 65-200/150	80x65	15	20	45	-	-	-	-	-	-	-	-	-	45.5	43	41	40.2	36.5	34		
PST 65-200/185	80x65	18.5	25	52	-	-	-	-	-	-	-	-	-	52.3	51	49	48.2	44.5	42		
PST 65-200/220	80x65	22	30	59	-	-	-	-	-	-	-	-	-	59.5	58	56	55	52	49.5		
PST 65-250/220	80x65	22	30	64.8	-	-	-	-	-	-	-	-	-	64.7	62	60	58.5	53	50		
PST 65-250/300	80x65	30	40	80	-	-	-	-	-	-	-	-	-	79.8	77.5	75.5	74.5	70	66		
PST 65-250/370	80x65	37	50	92	-	-	-	-	-	-	-	-	-	90.5	88.5	87	85	80.5	78		

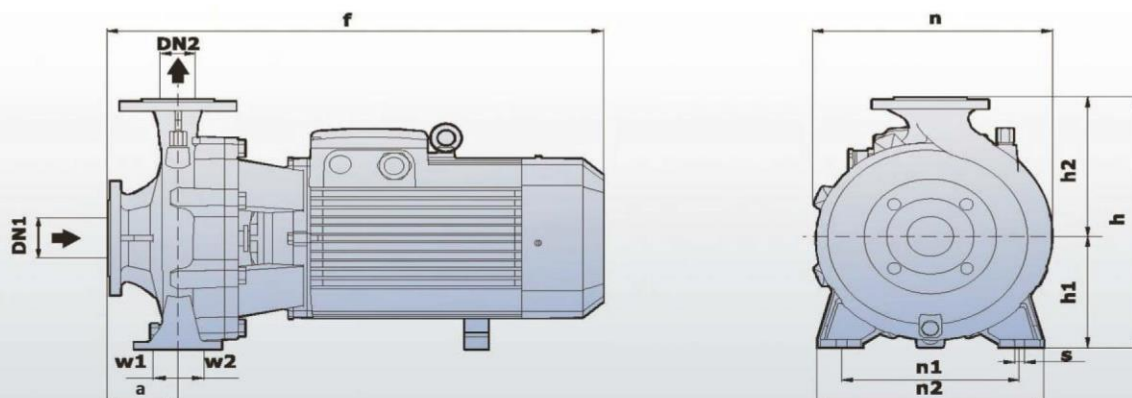


TECHNICAL DATA

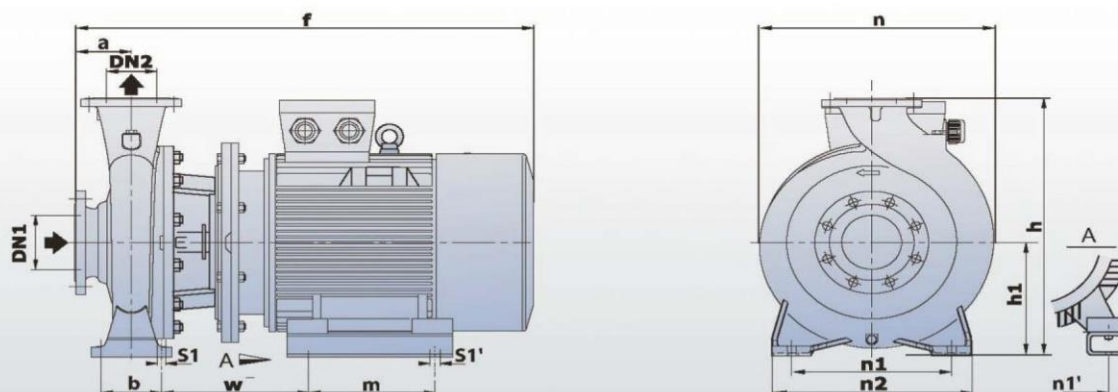
50 Hz n=2900 1/min

MODEL	DN mm	Power		Q=DELIVERY													
		kw	hp	us gpm	0	264	396	529	634	793	881	925	969	1057	1233	1322	1586
				l/min	0	1000	1500	2000	2400	3000	3333	3500	3667	4000	4667	5000	6000
				m³/h	0	60	90	120	144	180	200	210	220	240	280	300	360
										H=Head			(m)				400
PST 65-315/450	80x65	45	60	102	98	94.5	90	83	-	-	-	-	-	-	-	-	-
PST 65-315/550	80x65	55	75	122	120	114.5	110	100	76	-	-	-	-	-	-	-	-
PST 65-315/750	80x65	75	100	141	141	134.5	130	120	96	78	65.5	-	-	-	-	-	-
PST 65-315/900	80x65	90	125	151	150	144.5	140	130	106	88	75.5	-	-	-	-	-	-
PST 80-125/40	100x80	4	5.5	17	15	12.3	7.5	-	-	-	-	-	-	-	-	-	-
PST 80-125/55	100x80	5.5	7.5	21	19.6	17.4	13.4	9.5	-	-	-	-	-	-	-	-	-
PST 80-125/75	100x80	7.5	10	26	24.8	23	19.5	16.5	-	-	-	-	-	-	-	-	-
PST 80-160/110	100x80	11	15	28	27	27.3	24.5	21.1	16	-	-	-	-	-	-	-	-
PST 80-160/150	100x80	15	20	34	32.6	32.5	30.2	27	22.1	18.5	16.7	-	-	-	-	-	-
PST 80-160/185	100x80	18.5	25	39	38.5	38	36.7	33.6	28.8	25.3	23.5	-	-	-	-	-	-
PST 80-160/220	100x80	22	30	44	43.5	43	41.7	38.6	33.8	30.3	28.5	-	-	-	-	-	-
PST 80-200/220	100x80	22	30	48	47.7	47.5	43.5	39.2	32.5	27.2	24.5	-	-	-	-	-	-
PST 80-200/300	100x80	30	40	60	59.7	59.5	57	53.1	47	42.7	40.5	-	-	-	-	-	-
PST 80-250/370	100x80	37	50	71.5	70.9	70.5	65.5	59.3	51	43.2	38.5	-	-	-	-	-	-
PST 80-250/450	100x80	45	60	88	86.7	86	83.6	78.5	70.5	60	51	-	-	-	-	-	-
PST 80-250/550	100x80	55	75	94.5	94.5	94.5	91.8	87	79.5	72.1	68.3	-	-	-	-	-	-
PST 80-315/450	100x80	45	60	85	84	82.6	82	78	68.3	61	56	-	-	-	-	-	-
PST 80-315/550	100x80	55	75	98	97	95.6	95	91	81.3	74	69	-	-	-	-	-	-
PST 80-315/750	100x80	75	100	124	123	121.6	121	117	107.3	100	95	90	80.8	-	-	-	-
PST 80-315/900	100x80	90	125	144	143	141.6	141	137	127.3	120	115	110	100.8	-	-	-	-
PST 100-160/150	125x100	15	20	35	33.5	32.5	30	27.8	24.5	21.5	20	18.3	15	-	-	-	-
PST 100-160/185	125x100	18.5	25	38.5	37.5	36.5	34.3	32.2	29	25.7	24	22	18	-	-	-	-
PST 100-160/220	125x100	22	30	43	41	40	37.6	35.2	31.5	28.5	27	25.3	22	-	-	-	-
PST 100-200/220	125x100	22	30	38.5	36.7	35.7	33.8	31.7	28.5	26.8	26	25	22.9	16.3	13	-	-
PST 100-200/300	125x100	30	40	44.5	42.5	42	40.2	38.8	36.7	34.2	33	31.7	29	21.7	18	-	-
PST 100-200/370	125x100	37	50	55	53	51	50.6	49.2	47	45	44	42.8	40.5	32.8	29	-	-
PST 100-250/450	125x100	45	60	65	65	64	63	61	58	56	55	53.3	50	39	33.5	-	-
PST 100-250/550	125x100	55	75	77	76	75.5	75	73.8	72	71.7	71.5	70.7	69	62.3	59	-	-
PST 100-250/750	125x100	75	100	91	91	90.5	89.7	88	85.5	84	83.3	81.5	78	71.7	68.5	48	-
PST 100-250/900	125x100	90	125	100	100	99.5	98.7	97	94.5	93	92.3	90.5	87	80.7	77.5	57	-
PST 100-315/750	125x100	75	100	80	-	-	78.5	76.7	74	73	72.8	72.5	70.7	68	64	52	-
PST 100-315/900	125x100	90	125	100	-	-	98.5	96.7	94	93	92.8	92.5	90.7	88	84	72	-
PST 100-315/1100	125x100	110	150	118	-	-	116.5	114.7	112	111	110.8	110.5	108.7	106	102	90	-
PST 100-315/1320	125x100	132	180	129	-	-	127.5	125.7	123	122	121.8	121.5	119.7	117	112	101	-
PST 100-315/1600	125x100	160	220	148	-	-	146.5	144.7	142	141	140.8	140.5	138.7	136	132	120	-
PST 125-200/450	150x125	45	60	39.8	-	-	39.3	39.2	39	38.9	38.9	38.8	37.5	35	34	28.6	25
PST 125-200/550	150x125	55	75	50.5	-	-	49.3	49.2	49	48.9	48.9	48.8	47.5	45	44	38.6	35
PST 125-200/750	150x125	75	100	61.5	-	-	60.3	60.2	60	59.9	59.9	59.8	58.5	56	55	49.6	46
PST 125-250/550	150x125	55	75	70	-	-	67	66	64	63	62	61	59.5	54	50.5	-	-
PST 125-250/750	150x125	75	100	80	-	-	76.5	75.5	74	73	72	71.5	70	67	65	56	-
PST 125-250/900	150x125	90	125	87	-	-	84	82.5	81	79.5	79	78	77	73.5	71.5	65	60





DIMENSIONS AND WEIGHT

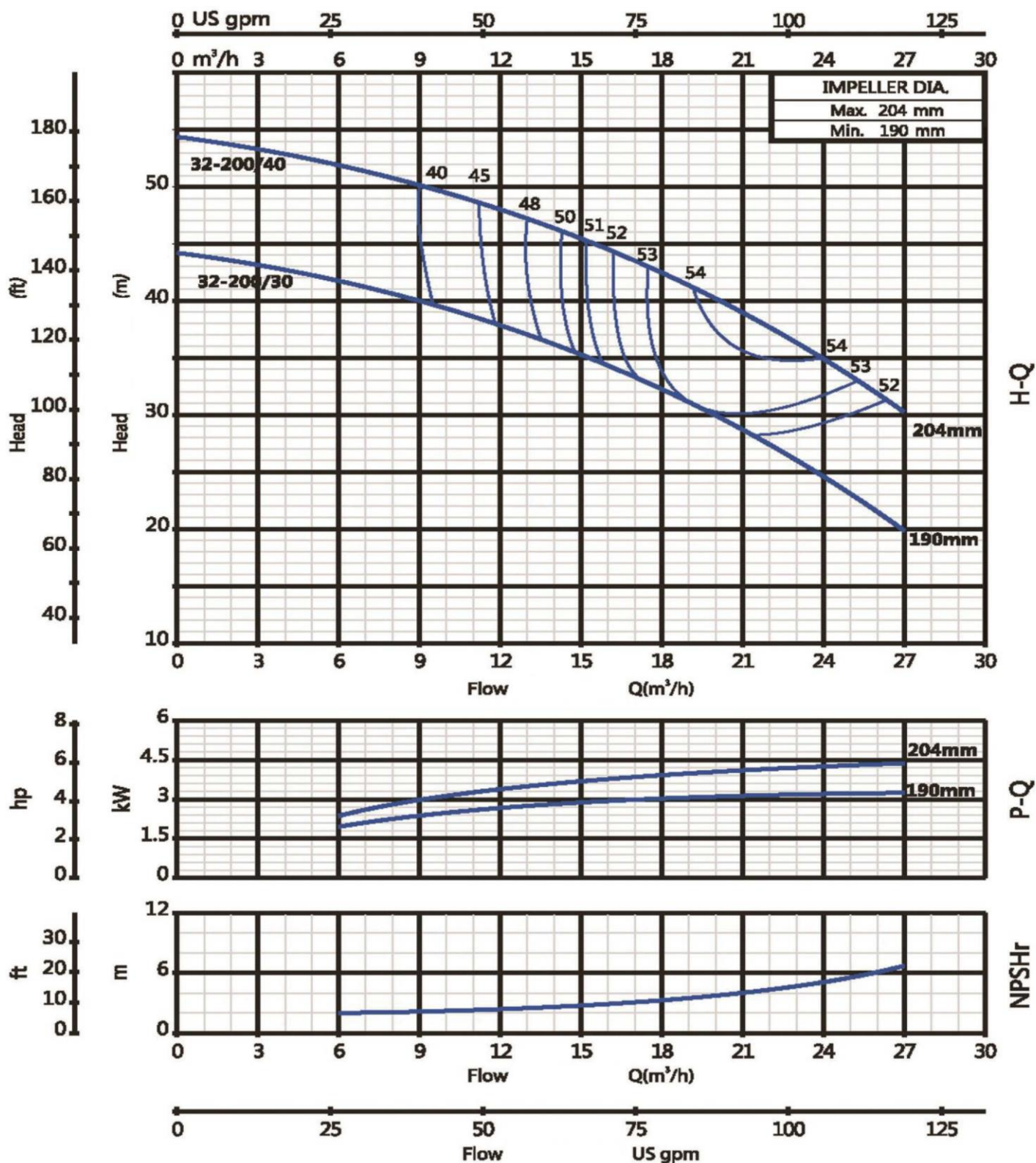


MODEL	DIMENSIONS															kg
	DN1	DN2	a	f	h	h1	n	n1	n1'	n2	b	w	m	s1	s1'	3~
PST 65-250/220	80	65	116	870	420	180	369	280	279	360	120	237	241	18	15	214
PST 65-250/300	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	265
PST 65-250/370	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	285
PST 65-315/450	80	65	125	1069	505	225	440	280	356	360	120	324	311	18	18	371
PST 65-315/550	80	65	125	1160	505	225	440	280	406	360	120	373	349	18	24	450
PST 65-315/750	80	65	125	1232	505	225	440	280	457	360	120	395	368	18	24	582
PST 65-315/900	80	65	125	1283	505	225	440	280	457	360	120	395	419	18	24	617
PST 80-200/220	100	80	125	880	460	250	360	280	279	345	95	251	241	14	15	211
PST 80-200/300	100	80	125	950	460	250	360	280	318	345	95	242	305	14	18	262
PST 80-250/370	100	80	125	950	535	250	410	315	318	400	120	229	305	18	18	289
PST 80-250/450	100	80	125	980	535	250	410	315	356	400	120	235	311	18	18	362
PST 80-250/550	100	80	125	1160	535	250	410	315	406	400	120	373	349	18	24	441
PST 80-315/450	100	80	125	1069	565	250	452	315	356	400	120	324	311	18	18	381
PST 80-315/550	100	80	125	1160	565	250	452	315	406	400	120	373	349	18	24	460
PST 80-315/750	100	80	125	1232	565	250	452	315	457	400	120	395	368	18	24	592
PST 80-315/900	100	80	125	1283	565	250	452	315	457	400	120	395	419	18	24	627
PST 100-200/220	125	100	125	910	530	225	422	280	279	360	120	268	241	18	15	216
PST 100-200/300	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	267
PST 100-200/370	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	287
PST 100-250/450	125	100	140	1000	580	250	450	315	356	400	120	240	311	18	18	366
PST 100-250/550	125	100	140	1180	580	250	450	315	406	400	120	378	349	18	24	445
PST 100-250/750	125	100	140	1250	580	250	450	315	457	400	120	398	368	18	24	577
PST 100-250/900	125	100	140	1300	580	250	422	315	457	400	120	397	419	18	24	612
PST 100-315/750	125	100	140	1262	625	250	480	315	457	400	120	410	368	19	24	591
PST 100-315/900	125	100	140	1313	625	250	480	315	457	400	120	410	419	19	24	626
PST 100-315/1100	125	100	140	1474	625	250	480	315	508	400	120	436	406	19	28	972
PST 100-315/1320	125	100	140	1584	625	250	480	315	508	400	120	436	457	19	28	1087
PST 100-315/1600	125	100	140	1584	625	250	480	315	508	400	120	436	508	19	28	1125
PST 125-200/450	150	125	140	1099	565	250	422	315	356	400	120	339	311	19	18	378
PST 125-200/550	150	125	140	1190	565	250	422	315	406	400	120	388	349	19	24	457
PST 125-200/750	150	125	140	1262	565	250	422	315	457	400	120	410	368	19	24	589
PST 125-250/550	150	125	140	1190	605	250	500	315	406	400	120	388	349	19	24	457
PST 125-250/750	150	125	140	1262	605	250	500	315	457	400	120	410	368	19	24	589
PST 125-250/900	150	125	140	1313	605	250	500	315	457	400	120	410	419	19	24	624
PST4 65-250/30	80	65	116	606	420	180	369	280	160	360	120	147	140	18	12	71
PST4 65-250/40	80	65	116	594	420	180	369	280	190	360	120	154	140	18	12	87
PST4 65-250/55	80	65	116	638	420	180	369	280	216	360	120	193	140	18	12	98
PST4 65-315/40	80	65	125	644	505	225	440	280	190	360	120	195	140	18	12	101
PST4 65-315/55-75	80	65	125	688	505	225	440	280	216	360	120	234	140	18	12	112/130
PST4 65-315/110-150	80	65	125	858	505	225	440	280	254	360	120	283	210	18	15	163/185
PST4 80-200/30	100	80	125	606	460	250	360	280	160	345	95	151	140	14	12	68
PST4 80-200/40	100	80	125	594	460	250	360	280	190	345	95	158	140	14	12	84



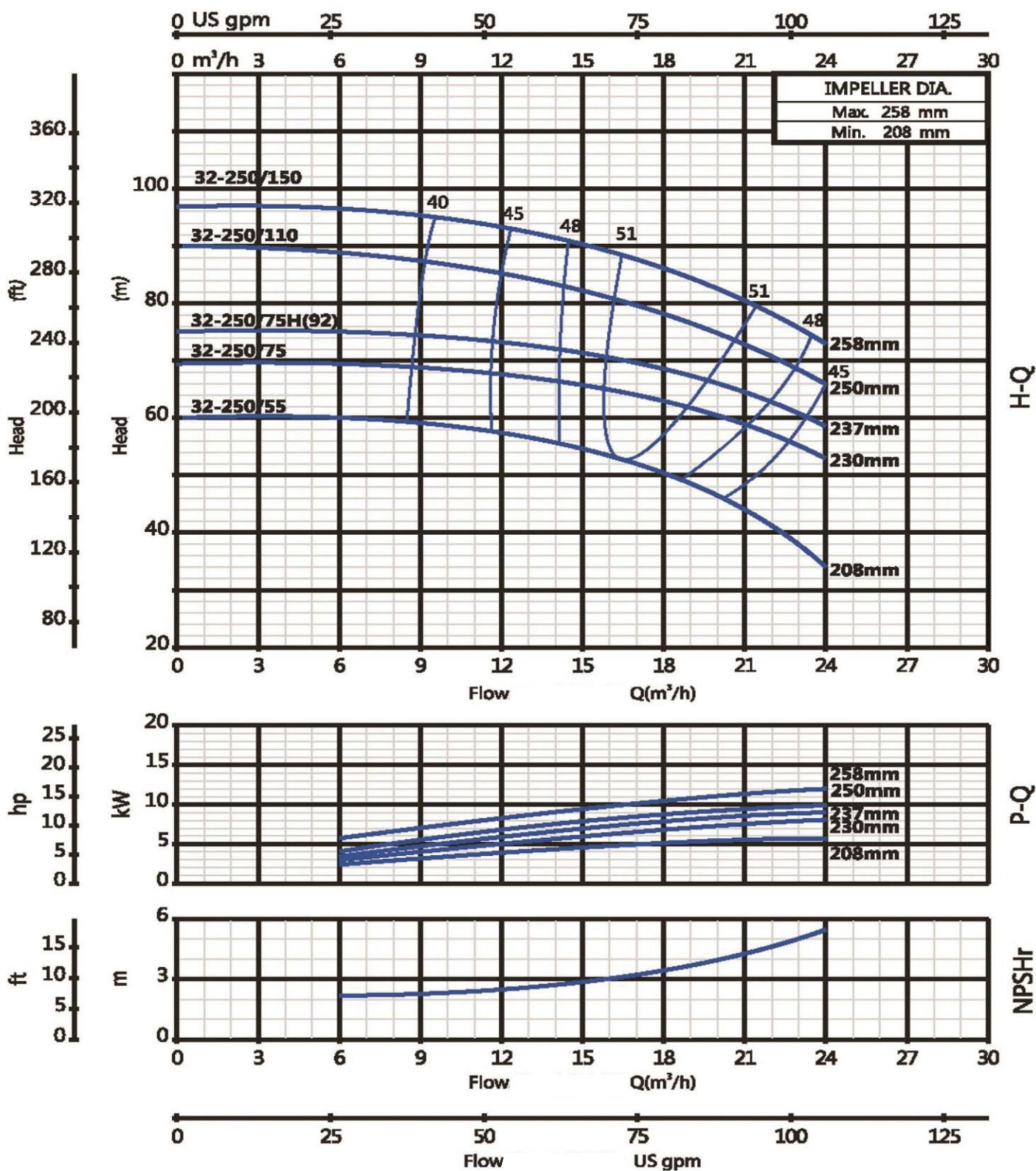
32-200

2900rpm



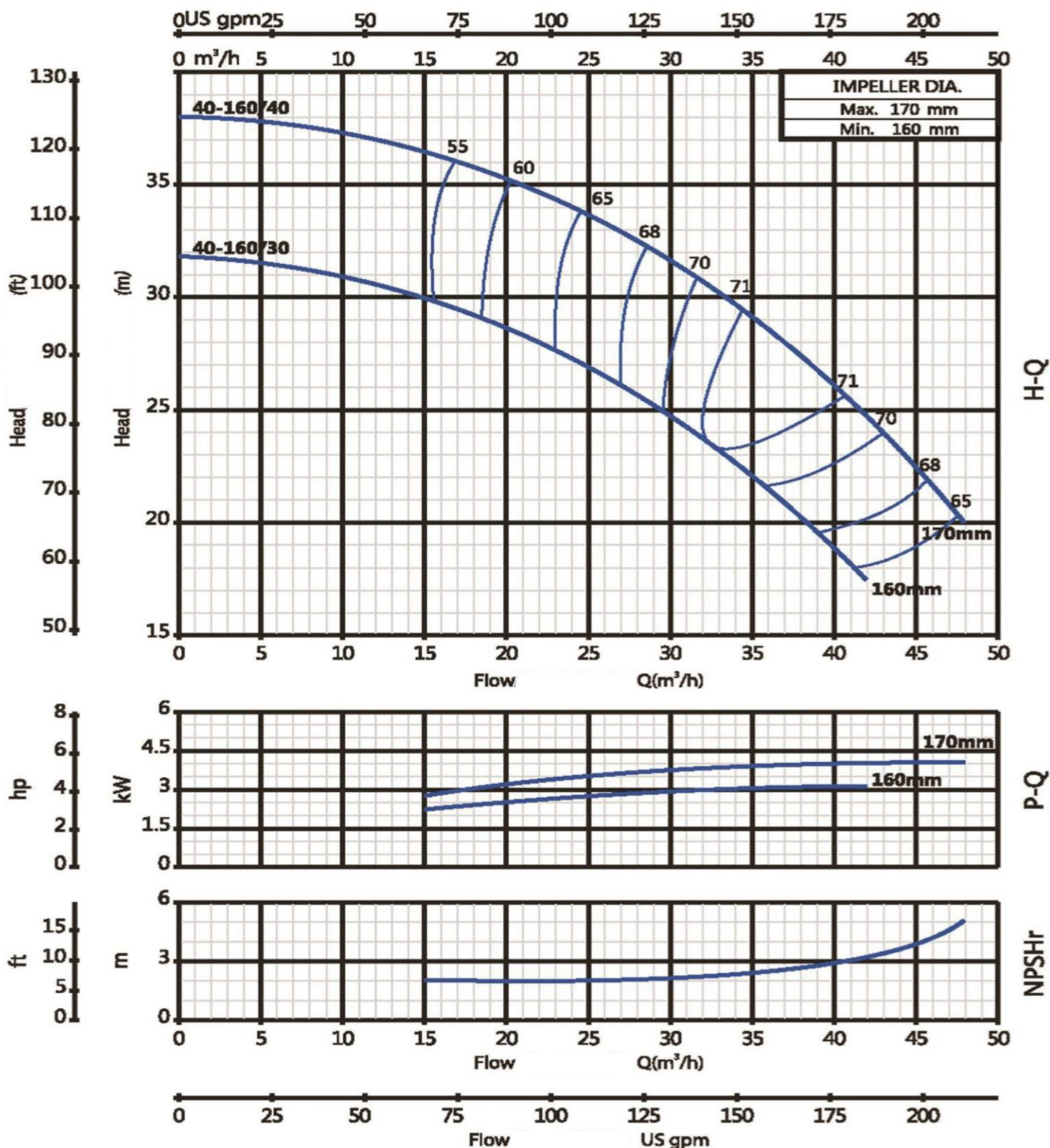
32-250

2900rpm



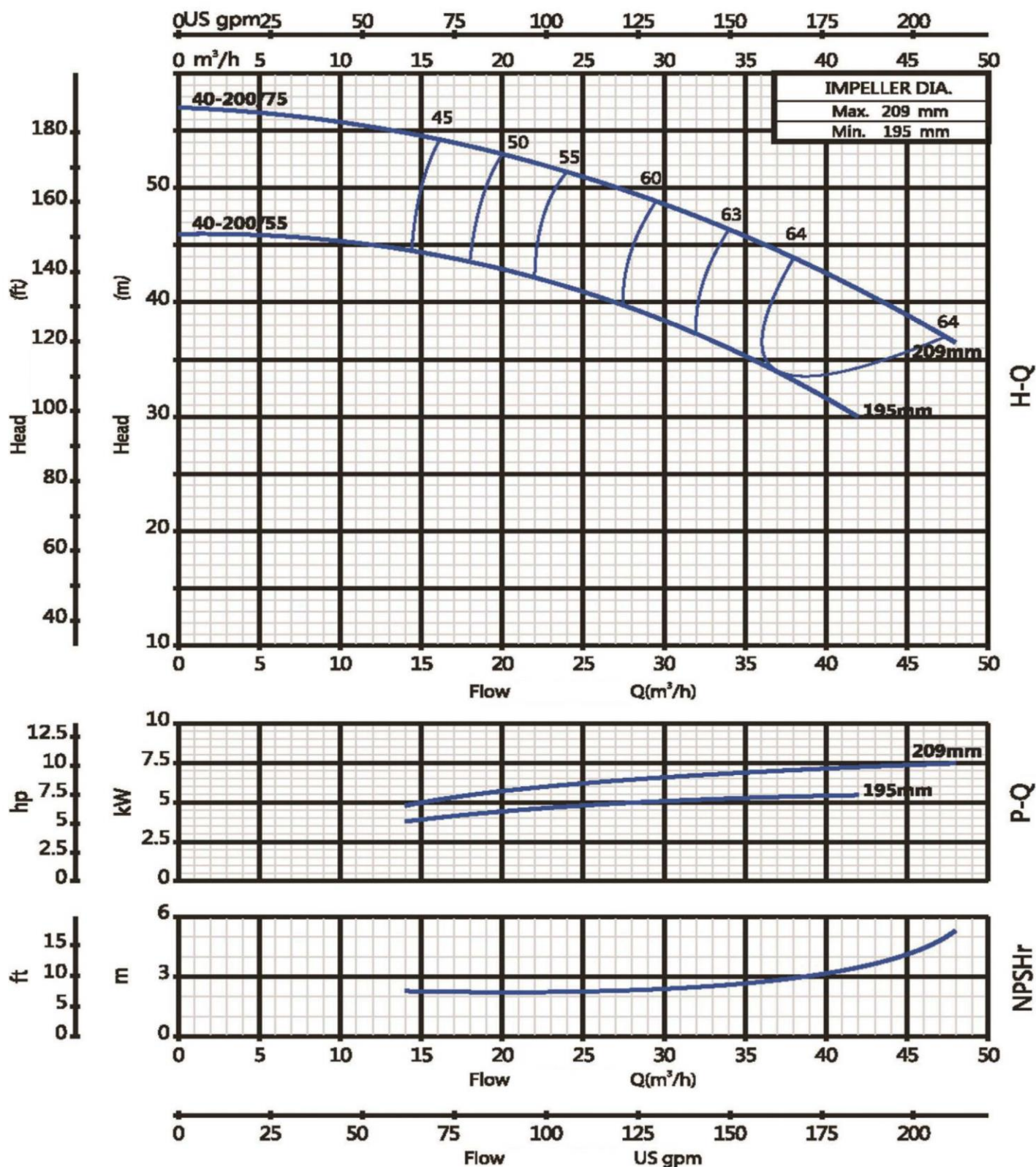
40-160

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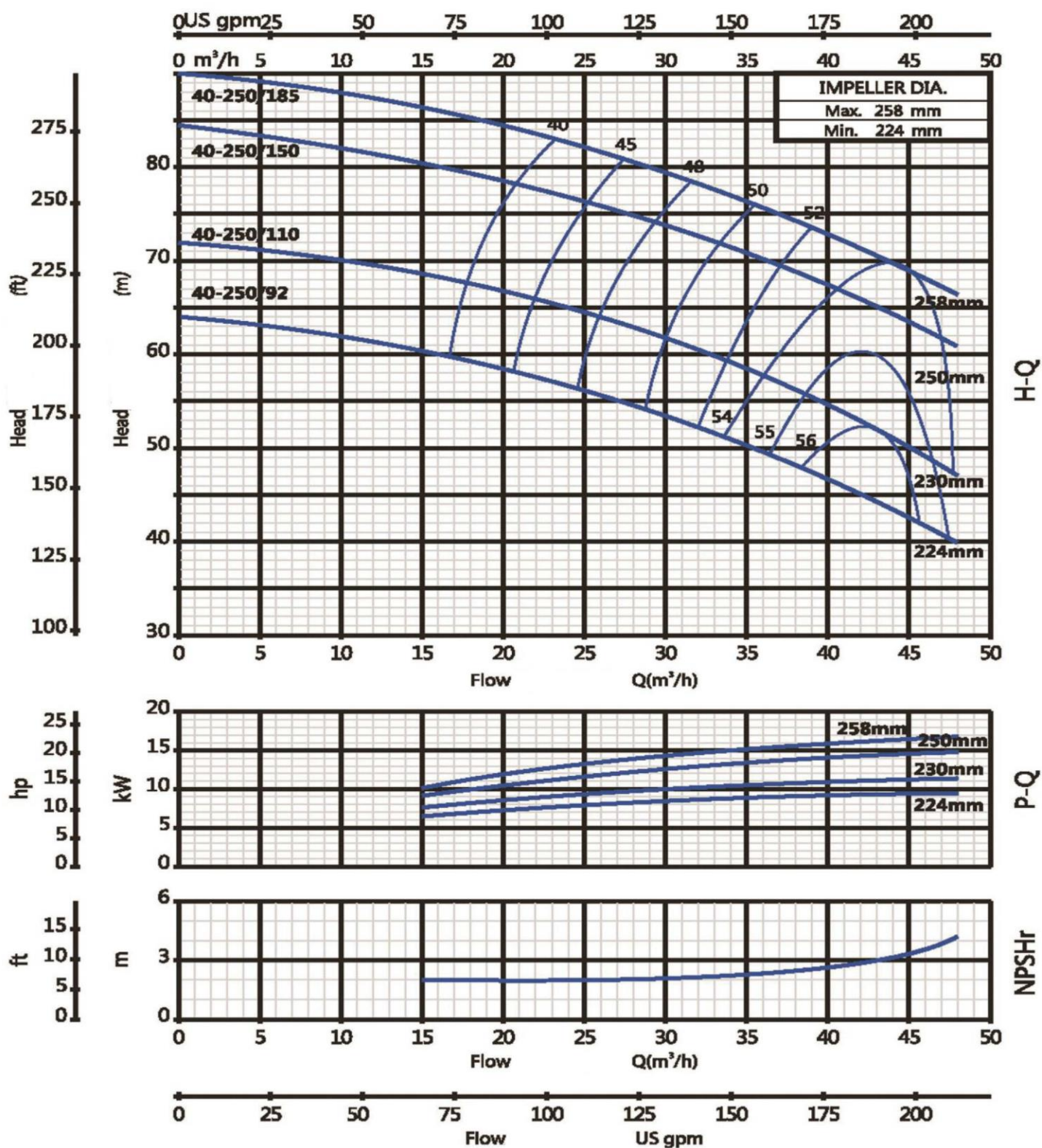
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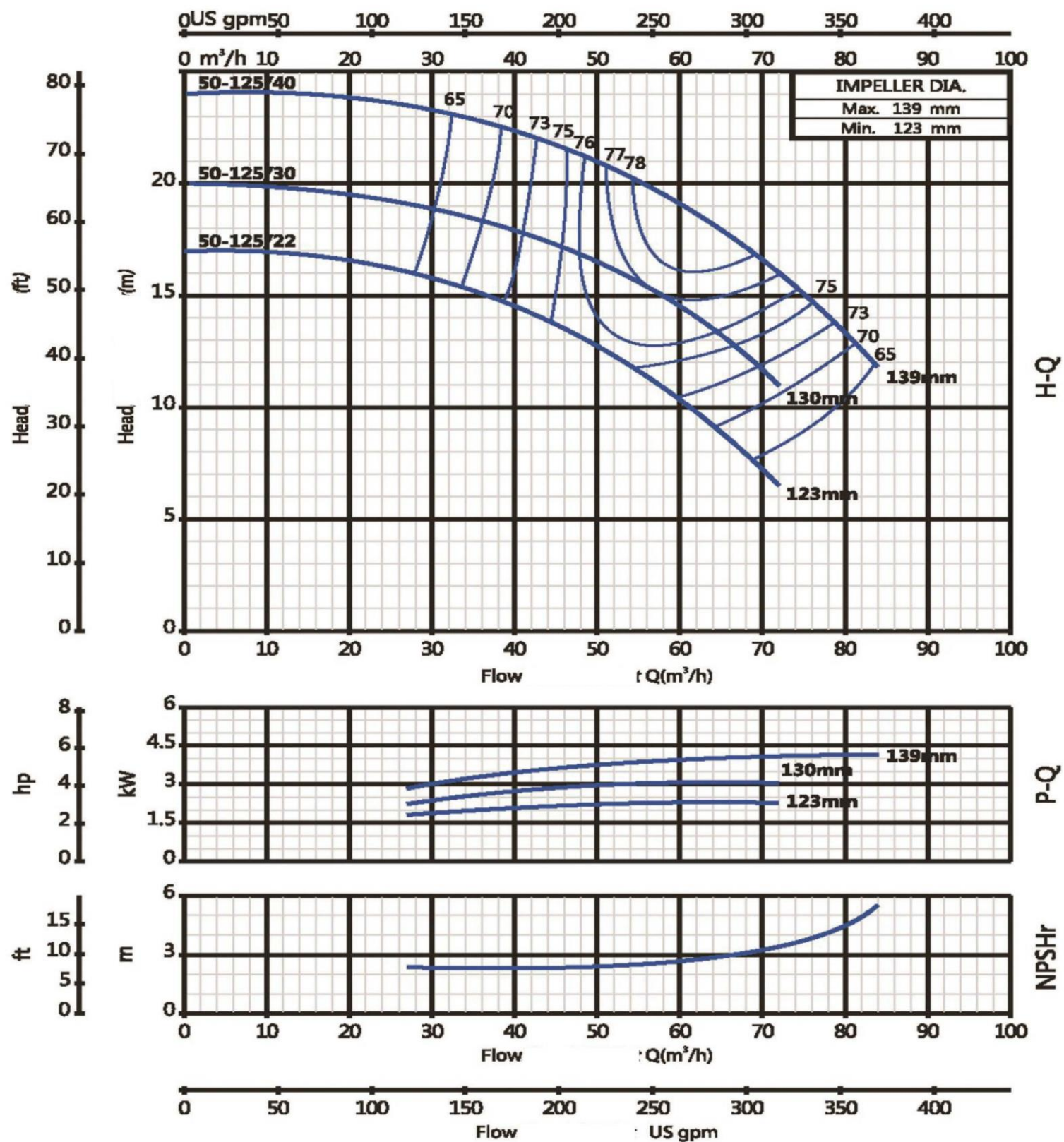
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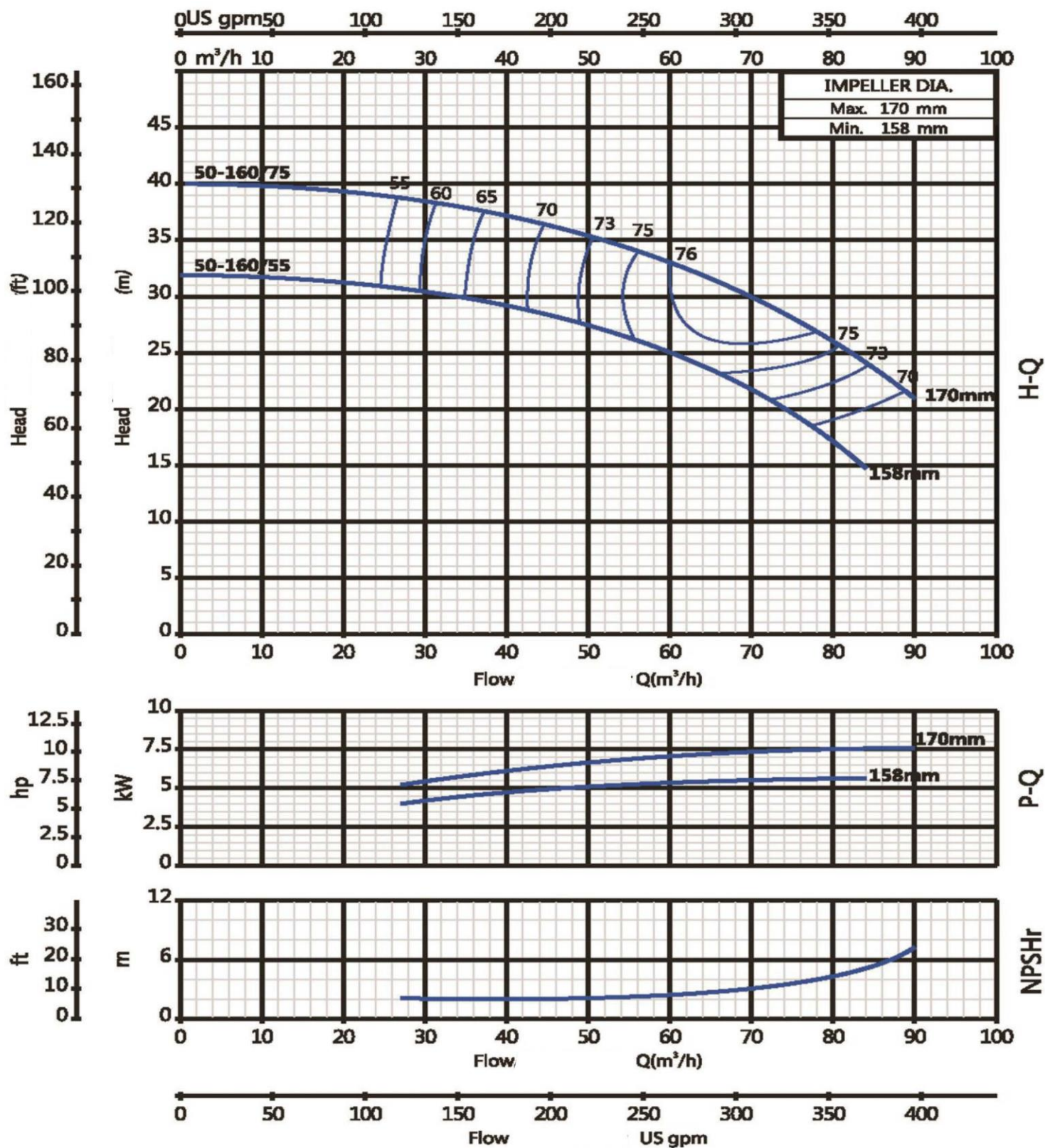
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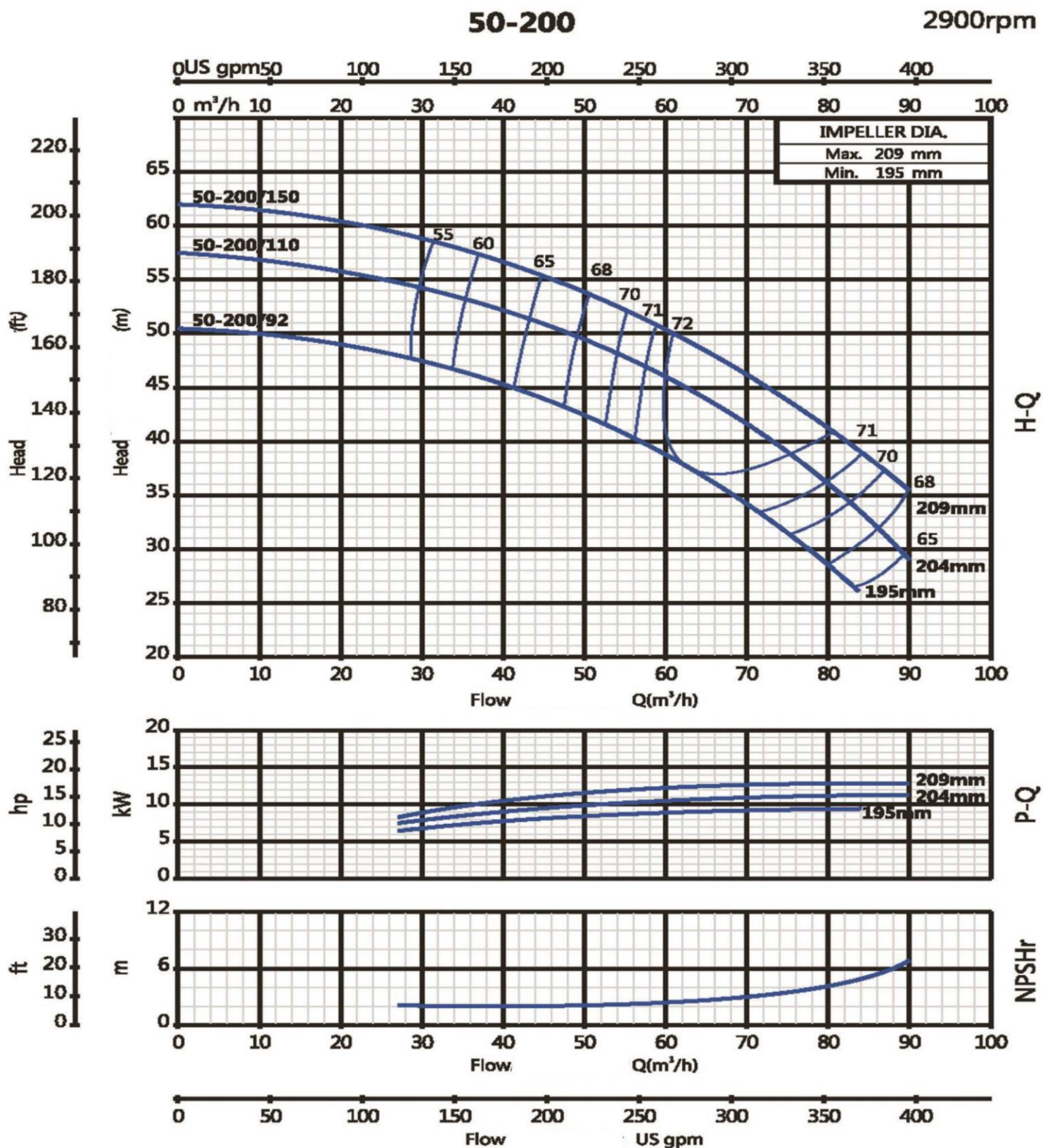
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50-160

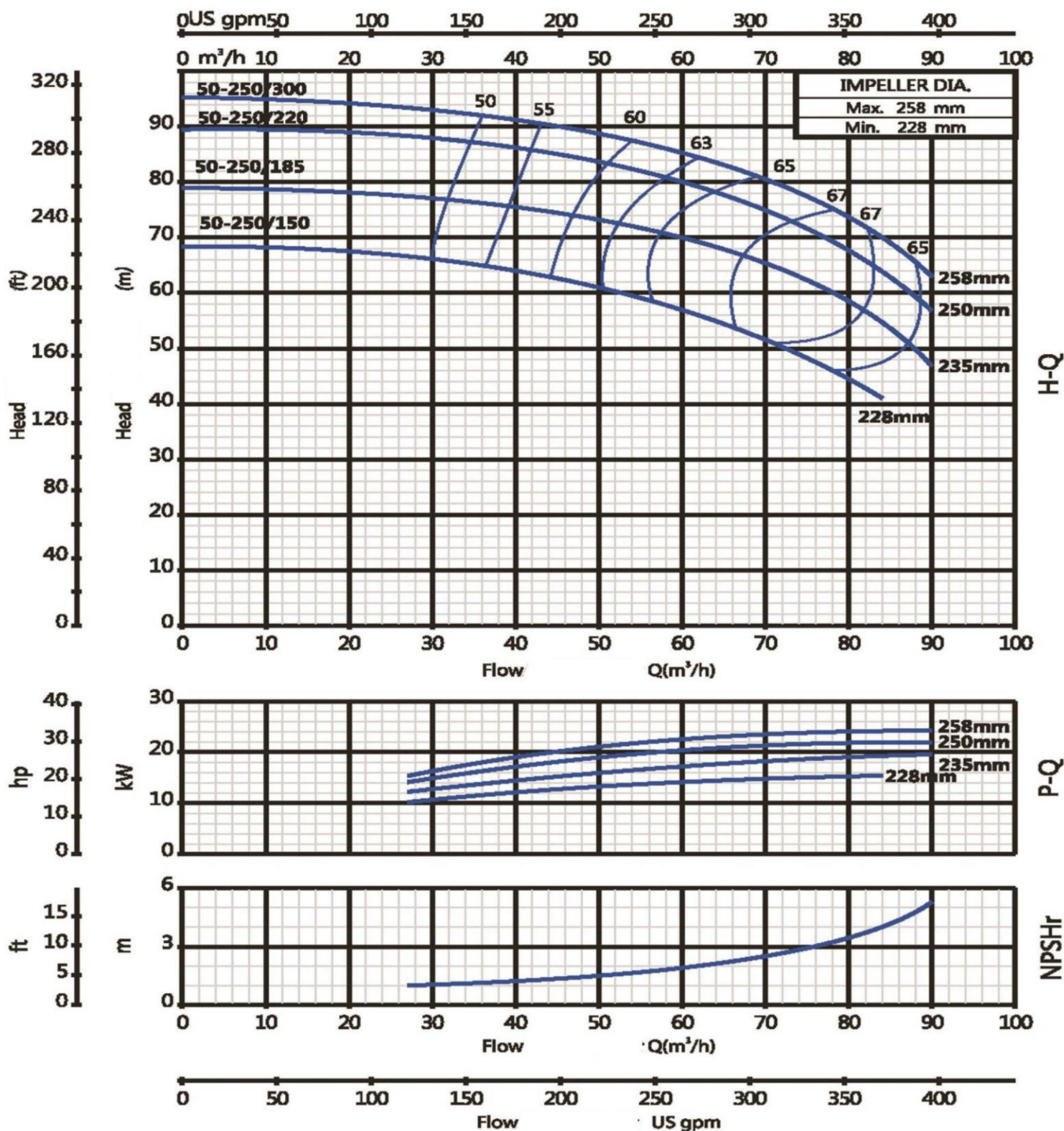
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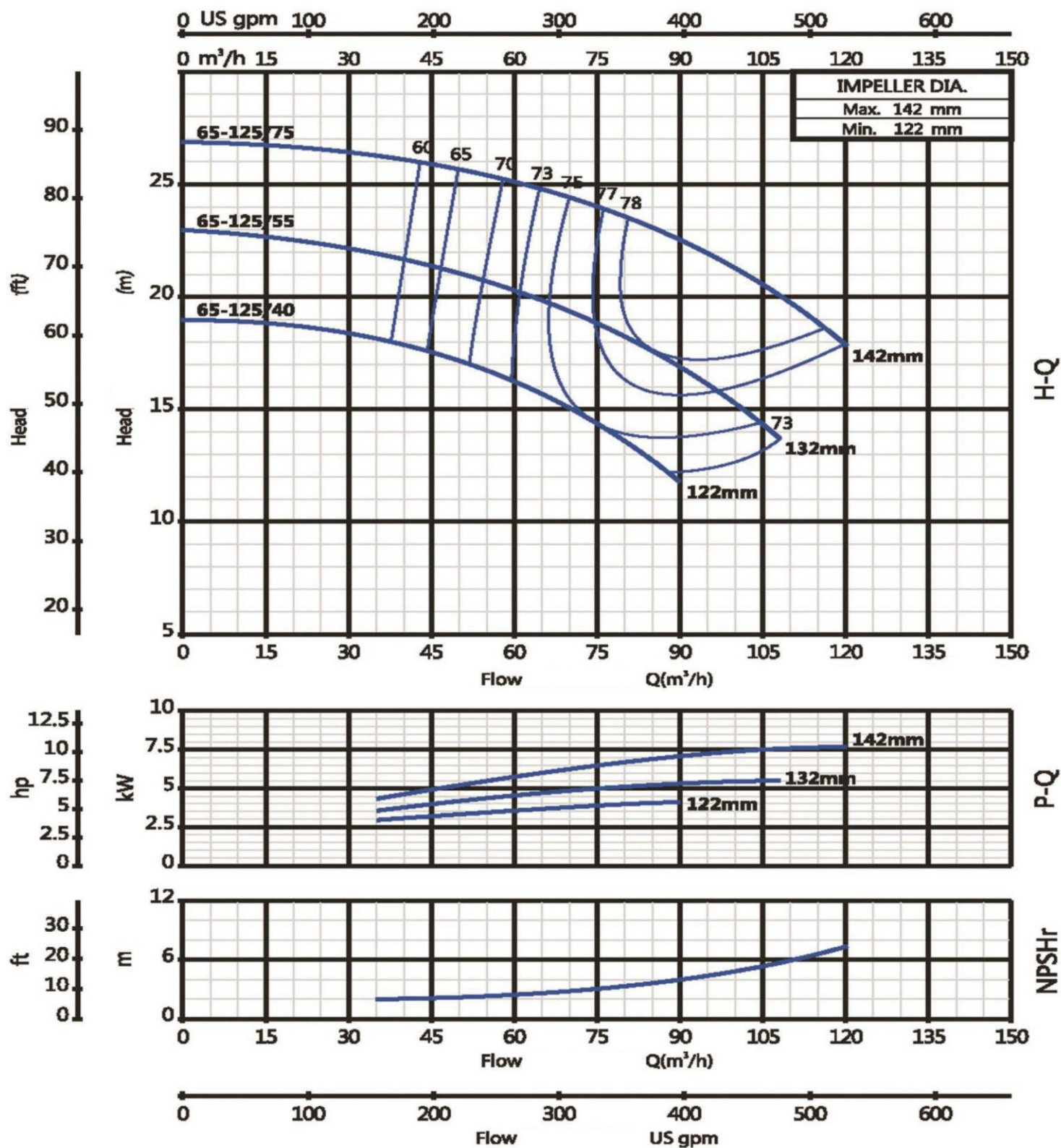
50-250

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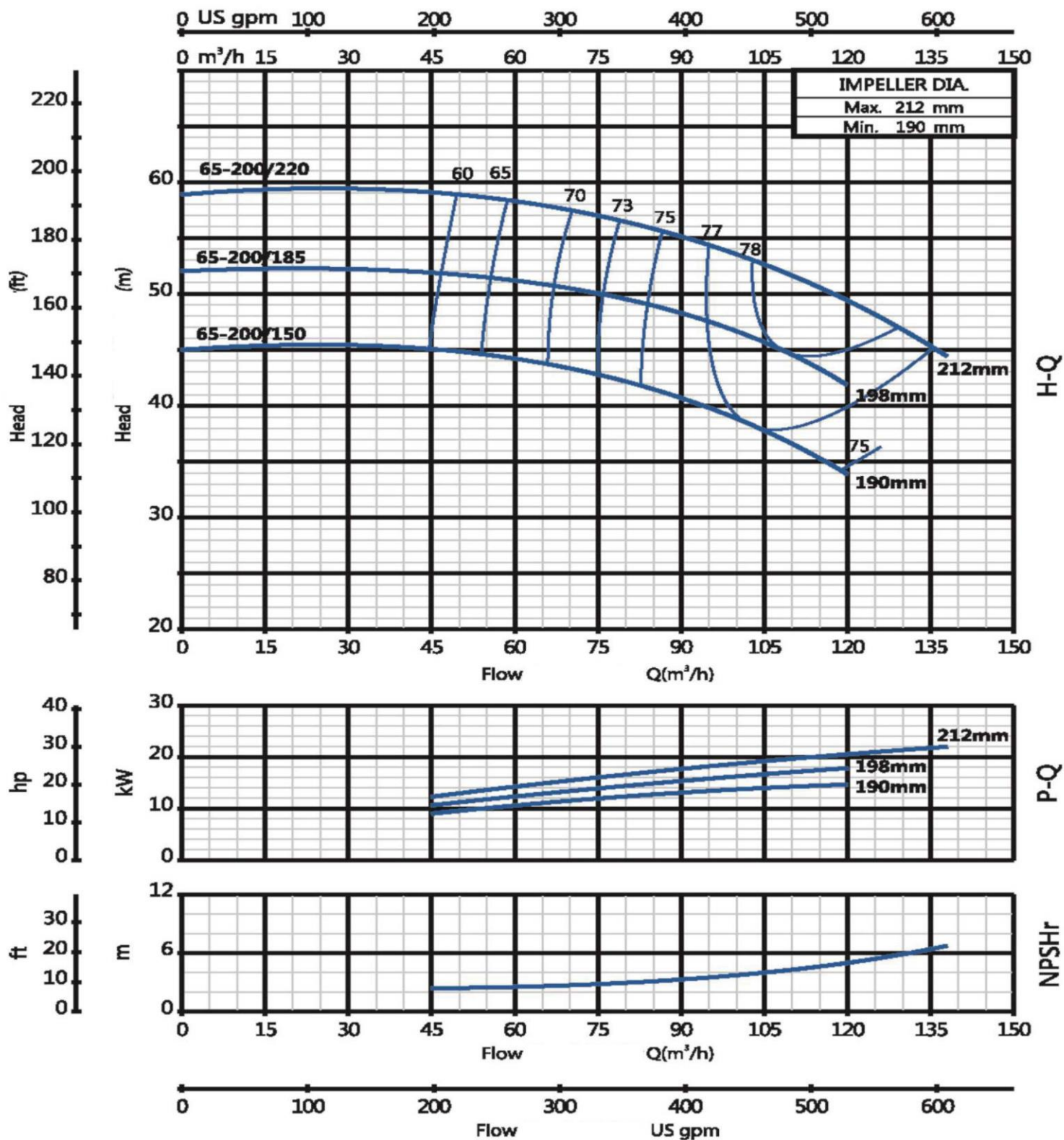
65-125

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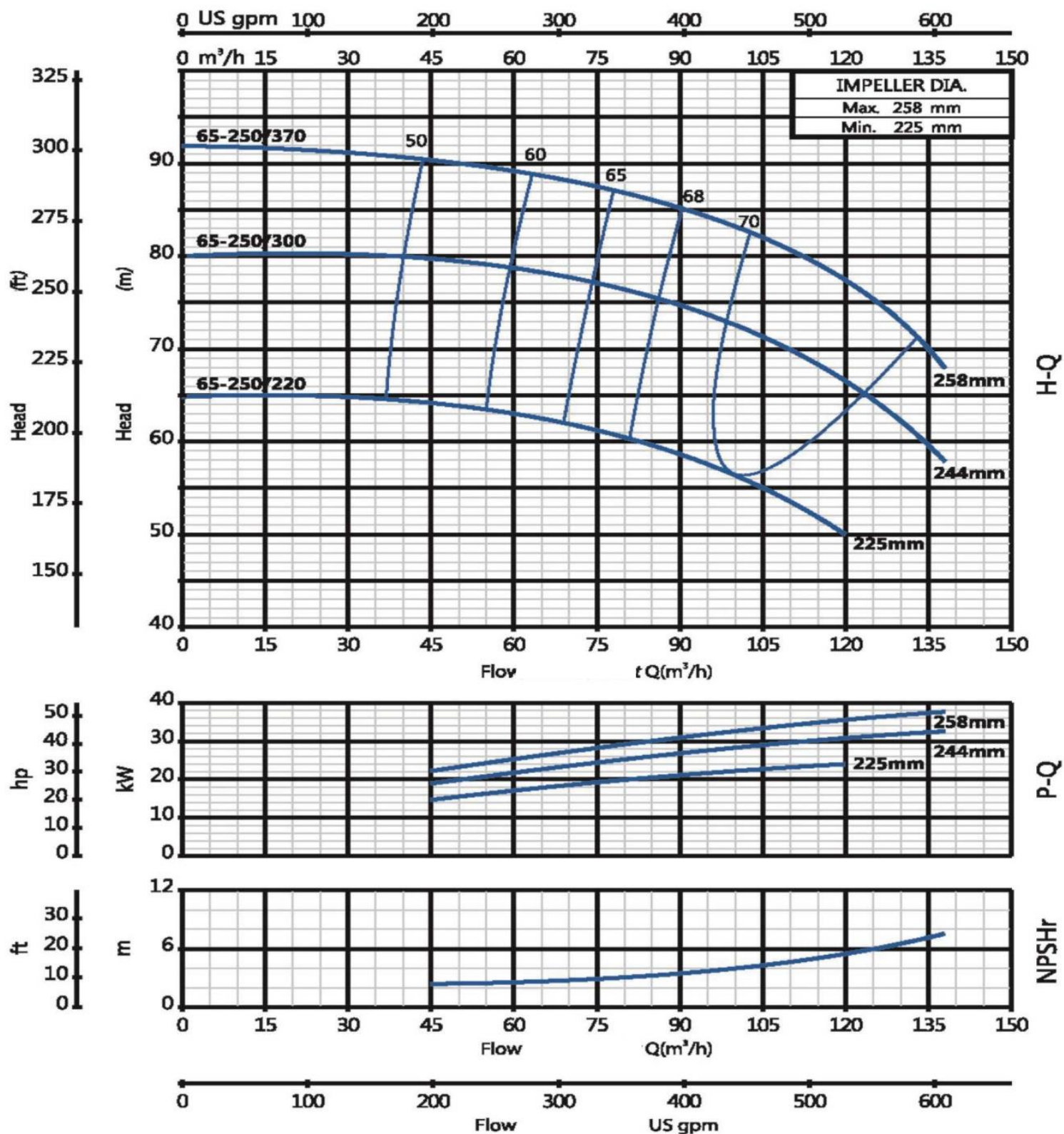
65-200

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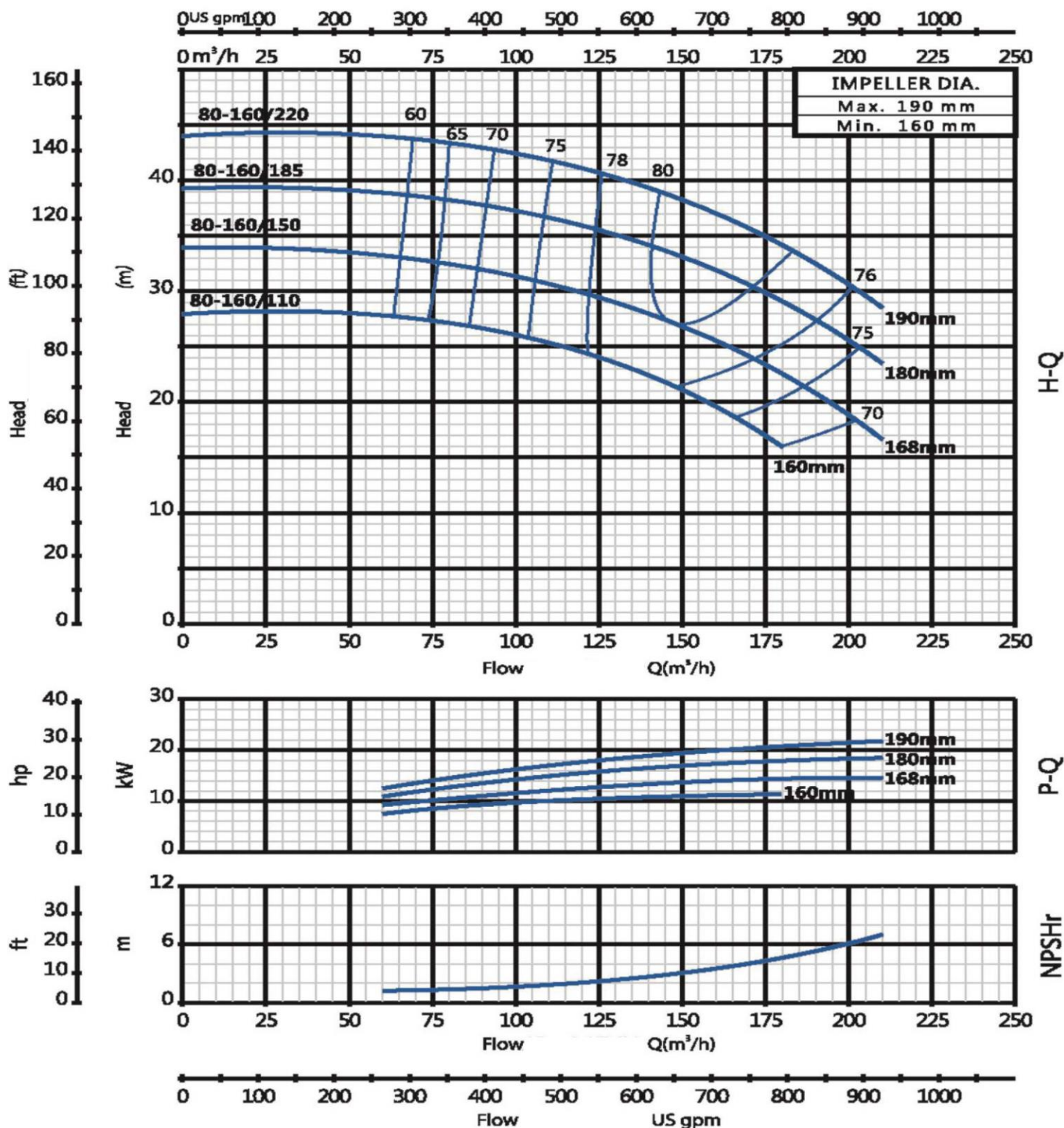
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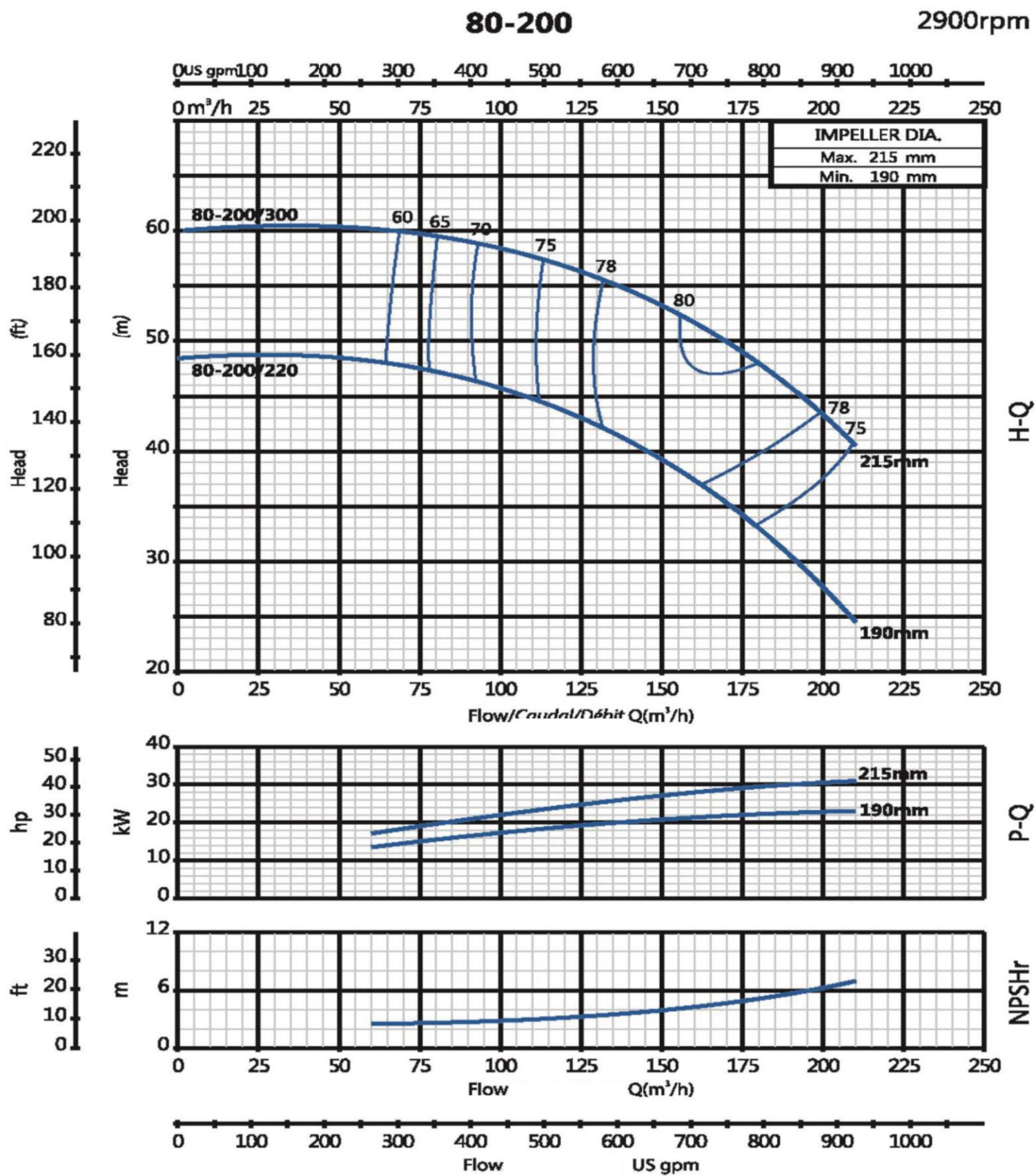
2900rpm



80-160

2900rpm





80-250

2900rpm

