



TECHNICAL DATA BOOK
CB HORIZONTAL SPLIT CASING PUMP

60HZ

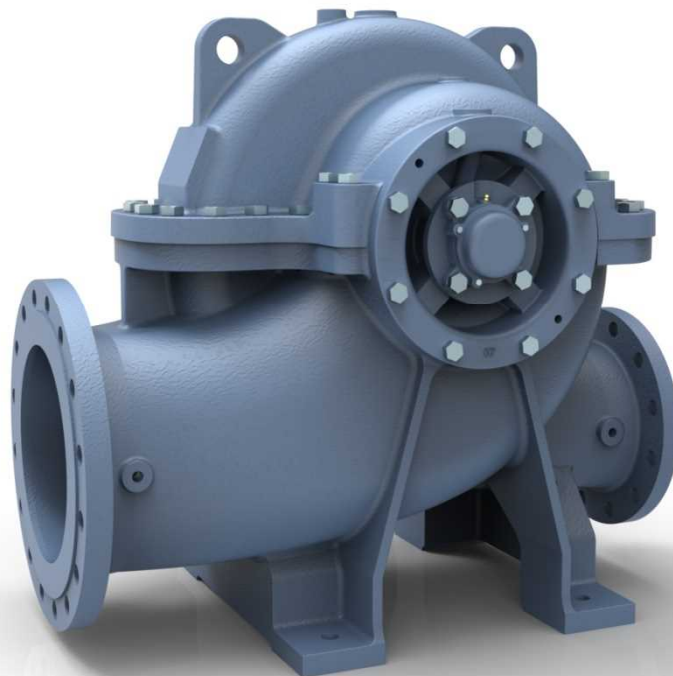


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SELECTION CHART

60Hz – 4P m ³ /min·m	E-1
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PERFORMANCE CURVES

<p>60Hz – 4P</p> <p>125X80 CBJ , 125X80 CBK , 125X100 CBK , 150X100 CBJ , 150X100 CBK , 150X125 CBH , 150X125 CBJ , 150X150 CBG , 200X100 CBK , 200X125 CBH , 200X125 CBJ , 200X150 CBG , 200X150 CBH , 200X150 CBJ , 200X200 CBF , 250X150 CBH , 250X150 CBJ , 250X150 CBK , 250X200 CBF , 250X200 CBGX , 250X200 CBGY , 250X200 CBH , 300X150 CBK , 300X200 CBG , 300X200 CBH , 300X200 CBJX , 300X200 CBJY , 300X250 CBFX , 300X250 CBFY , 300X250 CBG , 300X250 CBH , 350X250 CBG , 350X250 CBH , 350X300 CBF 400X300 CBG , 400X350 CBF</p>

Main Applications

Water Supply

- Water supply duties for municipalities
- Irrigation (flooding, sprinkler, farming)
- Drainage clean water

General Industrial Systems

- Water supply
- Process cooling and chilled water systems
- Cooling systems and water condensing systems
- Water circulation
- Boiler feed systems

Building

- General water supply
- Air conditioning
- Water condensing systems
- Fire protection

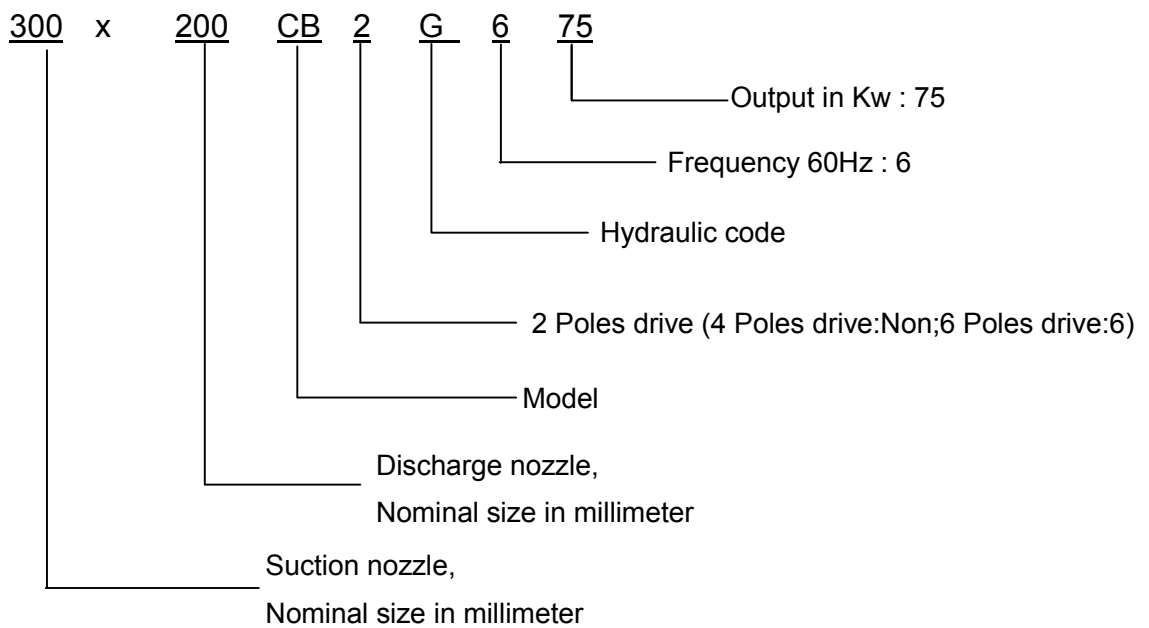
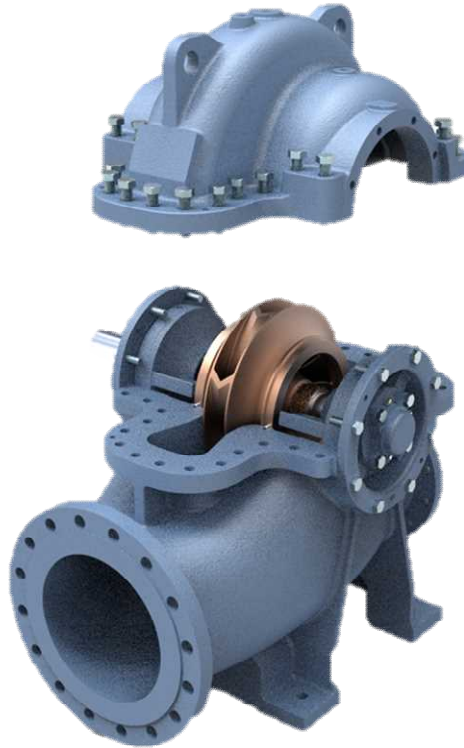
Product Features

Energy-saving Design

- World top class pump efficiency achieved.
- Major improvement over our previous models by impeller designed using our proprietary 3D inverse design technology.
- Higher efficiency means lower energy consumption and motor output, and more compact size.

Simple Maintenance

- Very compact design for ease of installation and permits minimum maintenance.
- Axially split casing allows the easy removal of the top casing for inspection and service.
- Shield bearings eliminate need for adding or exchanging lubricating oil.
- Shaft seal flushing and quenching piping not required for the standard application.



SPECIFICATION - General Description

Pump specification

Capacities		To 48 m3/min (60Hz)
Heads		To 220m (60Hz)
Liquid Handled	Type of liquid	Clean water,Industrial water,River water
	Temperature	0 to 80°C
Max. Operating Pressure		16bar (1.6MPa)
Construction	Impeller	Closed double suction
	Shaft seal	Mechanical Seal
	Flushing	No Flushing
	Ball Bearing	Sealed ball bearing (grease lubrication)
Flange		JIS 16K RF,GB 16K RF
Material	Casing	FC250 FCD450 *1
	Impeller	CAC406 SCS13 *2
	Main shaft	SUS420J1
	Mechanical Seal	Ceramic/Carbon NBR

*1: It is applicable for Model 300X200CBJY

*2: It is applicable for Model 300X150CBK ,300X200CBJY ,350X250CBH

Motor specification

Number of poles	4 poles
Synchronous speed	1800min-1
Phase	3 Phase
Voltege	380V ±10%
Type	Totally enclosed fan cooled (indoors)
Protection	IP55
Frequency	30~60Hz

* Optional:

1. Totally enclosed fan cooled (outdoors)
2. Varying frequency running (5~60Hz)
3. Other tpes of motor that user require

Accessories

Standard:

- Common base
- Coupling
- Coupling guard

Optional:

- Disc coupling

TECHNICAL DATA – Impeller Diameter

Unit : mm

Model	60Hz	
	4P	
	Max	Min
125X80CBJ	228	191
125X80CBK	292	234
125X100CBK	328	262
150X100CBJ	255	214
150X100CBK	368	294
150X125CBH	216	166
150X125CBJ	286	239
150X150CBG	196	165
200X100CBK	413	330
200X125CBH	242	186
200X125CBJ	319	267
200X150CBG	220	185
200X150CBH	272	209
200X150CBJ	357	299
200X200CBF	197	165
250X150CBH	306	235
250X150CBJ	401	336
250X150CBK	463	370
250X200CBF	221	185
250X200CBGX	247	207
250X200CBGY	277	233
250X200CBH	343	264
300X150CBK	521	416
300X200CBG	311	261
300X200CBH	368	282
300X200CBJX	448	376
300X200CBJY	503	421
300X250CBFX	247	208
300X250CBFY	277	232
300X250CBG	349	293
300X250CBH	432	332
350X250CBG	392	329
350X250CBH	486	373
350X300CBF	311	261
400X300CBG	440	369
400X350CBF	349	293

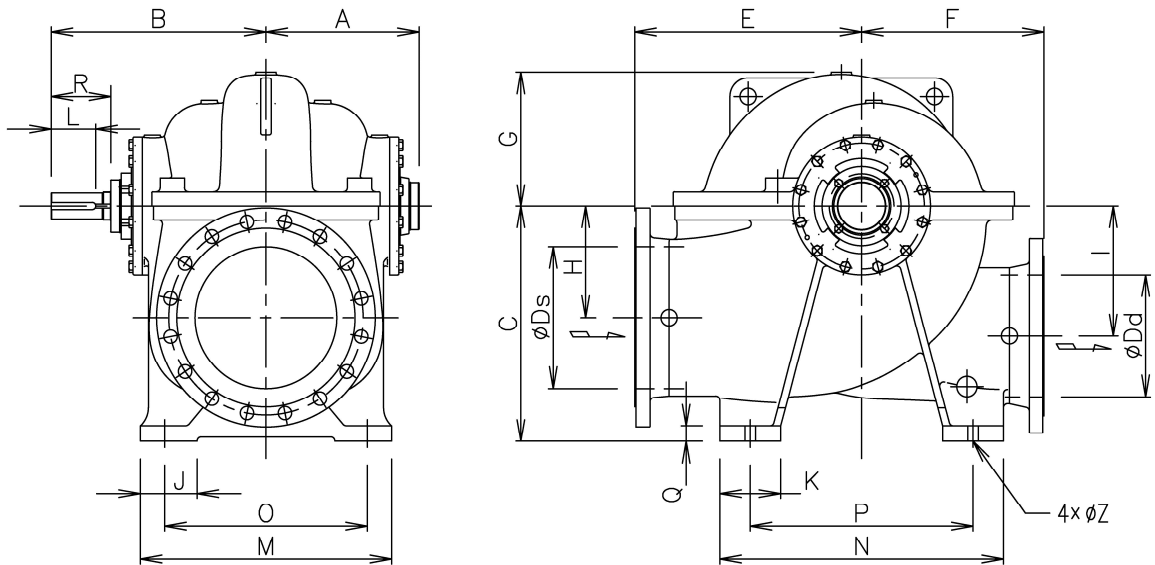
TECHNICAL DATA – Nominal Dimension of Parts

Unit : mm

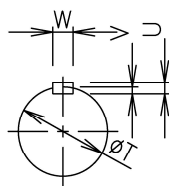
Model	Case Wear Ring	O Ring (for Side Cover)	CP side Bearing	CCP side Bearing	CP side Mechanical Seal	CCP side Mechanical Seal
125X80CBJ	CLYT-115-130	G125	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
125X80CBK	CLYT-140-160	G150	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
125X100CBK	CLYT-168-190	G180	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
150X100CBJ	CLYT-132-150	G145	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
150X100CBK	CLYT-172-190	G180	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
150X125CBH	CLYT-132-150	G145	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
150X125CBJ	CLYT-140-160	G150	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
150X150CBG	CLYT-140-150	G145	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
200X100CBK	CLYT-200-215	G205	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
200X125CBH	CLYT-148-190	G180	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
200X125CBJ	CLYT-168-190	G180	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
200X150CBG	CLYT-168-190	G180	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
200X150CBH	CLYT-168-190	G180	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
200X150CBJ	CLYT-172-190	G180	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
200X200CBF	CLYT-152-190	G180	UCFC206FC	UCFC206FD	T2100-0350	T2100-0350
250X150CBH	CLYT-188-205	G195	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
250X150CBJ	CLYT-200-215	G205	UCFC212FC	UCFC210FD	T2100-0650	T2100-0550
250X150CBK	CLYT-224-240	G230	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650
250X200CBF	CLYT-172-190	G180	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
250X200CBGX	CLYT-172-190	G180	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
250X200CBGY	CLYT-200-215	G205	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
250X200CBH	CLYT-212-240	G230	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
300X150CBK	CLYT-250-270	G260	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650
300X200CBG	CLYT-212-240	G230	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
300X200CBH	CLYT-224-270	G260	UCFC212FC	UCFC210FD	T2100-0650	T2100-0550
300X200CBJX	CLYT-224-240	G230	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650
300X200CBJY	CLYT-250-270	G260	UCFC216FC	UCFC214FD	T2100-0850	T2100-0750
300X250CBFX	CLYT-200-215	G205	UCFC208FC	UCFC206FD	T2100-0450	T2100-0350
300X250CBFY	CLYT-224-240	G230	UCFC210FC	UCFC208FD	T2100-0550	T2100-0450
300X250CBG	CLYT-236-270	G260	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650
300X250CBH	CLYT-264-285	G275	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650
350X250CBG	CLYT-270-300	G290	UCFC216FC	UCFC214FD	T2100-0850	T2100-0750
350X250CBH	CLYT-280-300	G290	UCFC216FC	UCFC214FD	T2100-0850	T2100-0750
350X300CBF	CLYT-250-270	G260	UCFC212FC	UCFC210FD	T2100-0650	T2100-0550
400X300CBG	CLYT-300-340	G325	UCFC218FC	UCFC216FD	T2100-0950	T2100-0850
400X350CBF	CLYT-278-300	G290	UCFC214FC	UCFC212FD	T2100-0750	T2100-0650

DIMENSIONS - Dimensions of Bare Shaft Pump

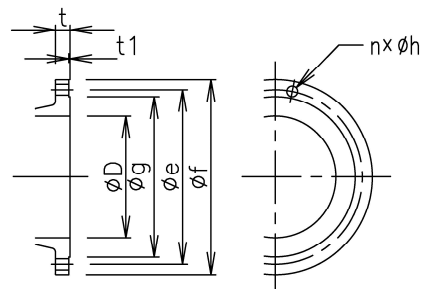
PUMP



Shaft end



Flange



■ Cast Iron 16bar Flange (JIS16K)

Units:mm

D	g	e	f	t	t1	n	h
80	132	160	200	24	2	8	φ23
100	160	185	225	26	2	8	φ23
125	195	225	270	26	2	8	φ25
150	230	260	305	28	2	12	φ25
200	275	305	350	30	2	12	φ25
250	345	380	430	34	2	12	φ27
* 300	395	430	480	36	3	16	φ27
* 350	440	480	540	38	3	16	φ33
* 400	495	540	605	42	3	16	φ33

* 300X200CBJY use the legal dimensions of Ductile Cast Iron

*■ Ductile Cast Iron 16bar Flange (JIS16K)

Units:mm

D	g	e	f	t	t1	n	h
80	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-
125	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-
200	275	305	350	26	2	12	φ25
250	345	380	430	28	2	12	φ27
300	395	430	480	30	3	16	φ27
350	440	480	540	34	3	16	φ33
400	495	540	605	38	3	16	φ33

■ Cast Iron 16bar Flange (GB16K)

Units:mm

D	g	e	f	t	t1	n	h
80	132	160	200	22	3	8	φ19
100	156	180	220	24	3	8	φ19
125	184	210	250	26	3	8	φ19
150	211	240	285	26	3	8	φ23
200	266	295	340	30	3	12	φ23
250	319	355	405	32	3	12	φ28
* 300	370	410	460	32	4	12	φ28
* 350	429	470	520	36	4	16	φ28
* 400	495	540	605	38	3	16	φ33

* 300X200CBJY use the legal dimensions of Ductile Cast Iron

*■ Ductile Cast Iron 16bar Flange (GB16K)

Units:mm

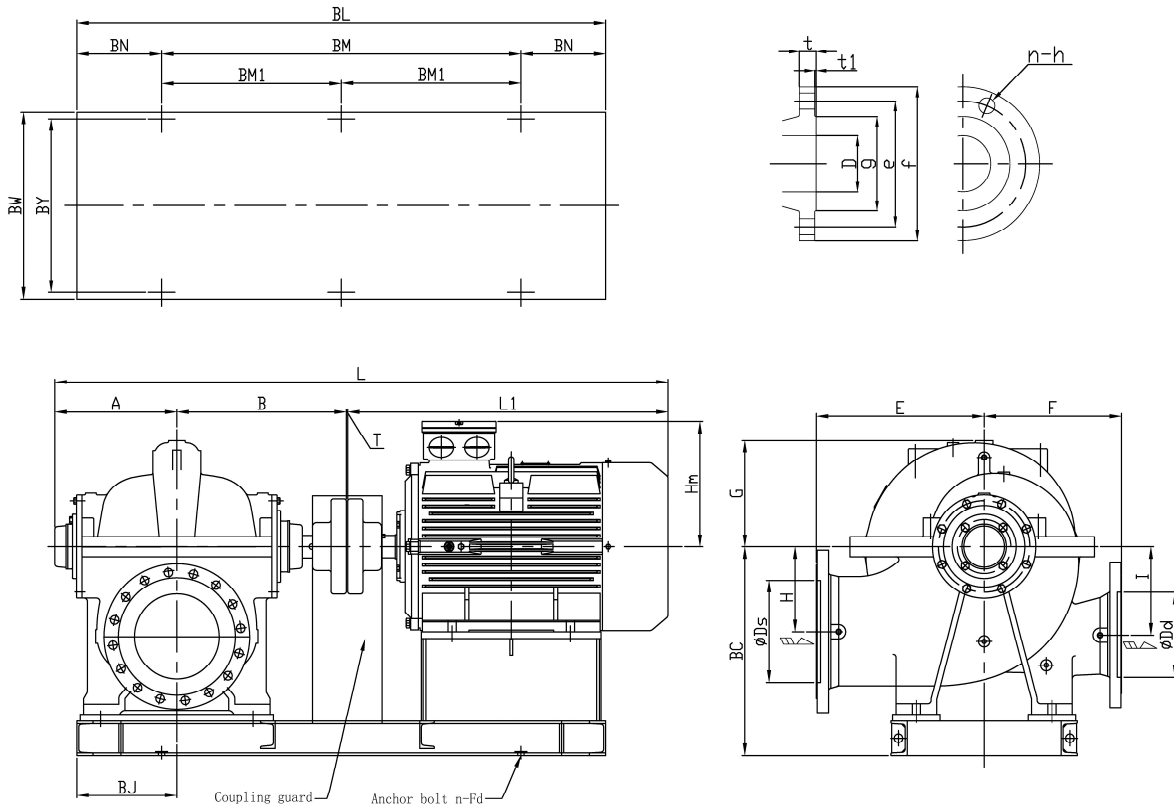
D	g	e	f	t	t1	n	h
80	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-
125	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-
200	266	295	340	20	3	12	φ23
250	319	355	405	22	3	12	φ28
300	370	410	460	24.5	4	12	φ28
350	429	470	520	26.5	4	16	φ28
400	480	525	580	28	4	16	φ31

DIMENSIONS - Dimensions of Bare Shaft Pump

Units:mm

MODEL	Size		Pump															Shaft						Wt (KG)	
	Ds	Dd	A	B	C	E	F	G	H	I	J	K	M	N	O	P	Q	Z	L	R	T	U	V		W
125X80CBJ	125	80	188	272	310	300	250	170	165	165	60	70	300	290	250	230	20	19	56	60	28	8	5	10	110
125X80CBK	125	80	225	310	290	330	250	195	140	180	70	80	340	320	280	250	20	19	63	70	28	8	5	10	170
125X100CBK	125	100	245	370	345	370	280	230	180	200	80	90	380	360	310	270	25	19	80	91	38	8	5	10	240
150X100CBJ	150	100	203	328	340	310	280	200	175	185	60	70	300	290	250	230	20	19	80	88	38	8	5	10	170
150X100CBK	150	100	272	403	380	415	305	255	180	230	90	100	430	400	350	300	25	19	90	99	48	9	5.5	14	310
150X125CBH	150	125	210	335	360	330	290	180	185	175	80	90	380	360	310	270	25	19	80	85	38	8	5	10	170
150X125CBJ	150	125	234	366	370	340	315	224	205	205	80	90	380	360	310	270	25	19	90	102	48	9	5.5	14	200
150X150CBG	150	150	225	320	350	305	275	170	175	165	80	90	380	360	310	270	25	19	63	85	28	8	5	10	150
200X100CBK	200	100	285	421	430	465	350	275	185	255	100	110	480	450	390	340	25	24	100	109	48	9	5.5	14	430
200X125CBH	200	125	222	349	385	340	265	215	200	200	80	90	380	360	310	270	25	19	80	88	38	8	5	10	190
200X125CBJ	200	125	222	349	405	400	280	240	210	230	80	90	380	360	310	270	25	19	80	88	38	8	5	10	240
200X150CBG	200	150	255	350	370	330	285	205	185	185	80	100	430	400	350	300	25	19	80	91	28	8	5	10	210
200X150CBH	200	150	243	353	395	380	260	240	210	220	90	100	430	400	350	300	25	19	80	90	28	8	5	10	260
200X150CBJ	200	150	266	390	425	405	390	275	230	260	90	100	430	400	350	300	25	19	90	96	48	9	5.5	14	380
200X200CBF	200	200	245	340	385	380	320	210	200	200	90	100	430	400	350	300	25	19	63	70	28	8	5	10	230
250X150CBH	250	150	272	408	460	425	290	264	230	250	100	110	480	450	390	340	25	24	90	101	38	8	5	10	340
250X150CBJ	250	150	294	451	480	450	440	310	250	290	100	110	480	450	390	340	25	24	100	111	55	10	6	16	470
250X150CBK	250	150	345	520	480	520	390	310	205	285	110	120	550	520	450	400	30	24	110	123	65	11	7	18	630
250X200CBF	250	200	275	390	450	395	315	243	225	225	100	110	480	450	390	340	25	24	80	86	38	8	5	10	320
250X200CBGX	250	200	270	385	435	370	300	225	210	210	90	110	480	450	390	340	25	24	80	86	38	8	5	10	270
250X200CBGY	250	200	290	415	475	415	340	250	235	235	100	120	550	520	450	400	30	24	90	99	48	9	5.5	14	340
250X200CBH	250	200	285	421	505	475	350	280	260	280	110	120	550	520	450	400	30	24	100	109	48	9	5.5	14	470
300X150CBK	300	150	350	535	485	600	440	345	235	320	110	120	550	520	450	400	25	24	125	133	65	11	7	18	860
300X200CBG	300	200	310	460	525	465	355	270	260	265	110	120	550	520	450	400	30	24	100	115	48	9	5.5	14	580
300X200CBH	300	200	310	490	560	535	405	320	295	315	110	120	550	520	450	400	30	24	110	124	55	10	6	16	690
300X200CBJX	300	200	321	480	545	505	495	336	280	320	110	130	550	520	450	400	30	24	110	125	65	11	7	18	720
300X200CBJY	300	200	349	526	565	565	550	374	315	360	120	120	550	520	450	400	30	24	125	133	75	12	7.5	20	870
300X250CBFX	300	250	280	415	505	445	350	265	255	255	100	120	550	520	450	400	30	24	90	101	38	8	5	10	480
300X250CBFY	300	250	335	460	520	495	355	300	275	285	110	120	550	520	450	400	30	26	90	105	48	9	5.5	14	590
300X250CBG	300	250	370	525	600	560	450	305	307	300	135	150	620	700	500	550	38	26	110	121	65	11	7	18	780
300X250CBH	300	250	350	535	625	600	450	355	340	355	135	150	620	700	500	550	38	26	125	133	65	11	7	18	860
350X250CBG	350	250	390	570	585	585	440	340	270	335	135	150	620	700	500	550	38	26	125	132	75	12	7.5	20	890
350X250CBH	350	250	365	555	665	675	500	395	270	395	120	140	800	800	720	660	30	28	125	137	75	12	7.5	20	1180
350X300CBF	350	300	360	510	600	560	450	330	275	320	130	150	620	700	500	550	38	26	100	107	55	10	6	16	830
400X300CBG	400	300	440	630	625	660	510	380	310	375	110	140	800	700	720	560	38	28	125	158	85	14	9	22	1400
400X350CBF	400	350	420	575	645	625	510	370	321	360	150	135	700	700	550	550	38	26	110	125	65	11	7	18	1050

DIMENSIONS - Dimensions of Pump with motor



■ Cast Iron 16bar Flange (JIS16K)

Units:mm

D	g	e	f	t	t1	n	h
80	132	160	200	24	2	8	φ23
100	160	185	225	26	2	8	φ23
125	195	225	270	26	2	8	φ25
150	230	260	305	28	2	12	φ25
200	275	305	350	30	2	12	φ25
250	345	380	430	34	2	12	φ27
* 300	395	430	480	36	3	16	φ27
* 350	440	480	540	38	3	16	φ33
* 400	495	540	605	42	3	16	φ33

* 300X200CBJY use the legal dimensions of Ductile Cast Iron

*■ Ductile Cast Iron 16bar Flange (JIS16K)

Units:mm

D	g	e	f	t	t1	n	h
80	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-
125	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-
200	275	305	350	26	2	12	φ25
250	345	380	430	28	2	12	φ27
300	395	430	480	30	3	16	φ27
350	440	480	540	34	3	16	φ33
400	495	540	605	38	3	16	φ33

■ Cast Iron 16bar Flange (GB16K)

Units:mm

D	g	e	f	t	t1	n	h
80	132	160	200	22	3	8	φ19
100	156	180	220	24	3	8	φ19
125	184	210	250	26	3	8	φ19
150	211	240	285	26	3	8	φ23
200	266	295	340	30	3	12	φ23
250	319	355	405	32	3	12	φ28
* 300	370	410	460	32	4	12	φ28
* 350	429	470	520	36	4	16	φ28
* 400	495	540	605	38	3	16	φ33

* 300X200CBJY use the legal dimensions of Ductile Cast Iron

*■ Ductile Cast Iron 16bar Flange (GB16K)

Units:mm

D	g	e	f	t	t1	n	h
80	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-
125	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-
200	266	295	340	20	3	12	φ23
250	319	355	405	22	3	12	φ28
300	370	410	460	24.5	4	12	φ28
350	429	470	520	26.5	4	16	φ28
400	480	525	580	28	4	16	φ31

DIMENSIONS - Dimensions of Pump with motor

units:mm

Model	Motor		Pump									Motor					Common Base								Total											
	kW	Ds	Dd	A	B	C	E	F	G	H	I	Wt (KG)	Frame	MR	MA	Hm	Wt (KG)	BJ	BC	BN	BM	BM1	BL	BW	BY	n-fd	Wt (KG)	T	L	Wt (KG)						
125X80CBJ	4.0	125	80	188	272	310	300	250	170	165	165	110	112M	200	195	189	45	170	410	125	510	-	760	330	290	4-φ15	56	3	858	211						
	5.5												132S	239	241	212	61										130				540	-	800	57	943	228
	7.5												132M	258	267	212	73										140				560	-	840	60	988	243
	11												160M	323	291	255	103										150				620	-	920	74	1077	287
125X80CBK	11	125	80	225	310	290	330	250	195	140	180	170	160M	323	291	255	103	190	410	160	660	-	980	370	330	4-φ19	76	3	1152	349						
	15												160L	345	329	270	130										170				690	-	1030	79	1212	379
	18.5												180M	351.5	331.5	270	165										170				700	-	1040	80	1221	415
	22												180L	370.5	347.5	270	180										175				720	-	1070	83	1256	433
	30												200L	395.5	376.5	300	238										185				750	-	1120	90	1311	498
	37												225S	432	388	327	298										190				760	-	1140	92	1359	560
125X100CBK	18.5	125	100	245	370	345	370	280	230	180	200	240	180M	351.5	331.5	270	165	210	465	185	750	-	1120	400	360	4-φ19	92	3	1301	497						
	22												180L	370.5	347.5	270	180										190				770	-	1150	94	1336	514
	30												200L	395.5	376.5	300	238										200				800	-	1200	119	1391	597
	37												225S	432	388	327	298										200				820	-	1220	123	1439	661
	45												225M	444.5	400.5	327	322										205				840	-	1250	126	1464	688
	55												250M	482.5	434.5	373	410										215				880	-	1310	139	1536	789
150X100CBJ	7.5	150	100	203	328	340	310	280	200	175	185	170	132M	258	267	212	73	170	460	150	600	-	900	330	290	4-φ19	71	3	1058	314						
	11												160M	323	291	255	103										160				660	-	980	78	1147	351
	15												160L	345	329	255	130										170				690	-	1030	82	1207	382
	18.5												180M	351.5	331.5	270	165										170				720	-	1070	83	1216	418
	22												180L	370.5	347.5	270	180										175				720	-	1070	86	1251	436
	30												200L	395.5	376.5	300	238										210				840	-	1260	131	1451	679
150X100CBK	37	150	100	272	403	380	415	305	255	180	230	310	225S	432	388	327	298	235	520	210	860	-	1280	500	450	4-φ24	135	4	1499	743						
	45												225M	444.5	400.5	327	322										215				880	-	1310	138	1524	770
	55												250M	482.5	434.5	373	410										225				920	-	1370	152	1596	872
	75												280S	514	462	413	555										235				950	-	1420	174	1655	1039
	90												280M	539.5	487.5	413	610										245				980	-	1470	180	1706	1100
	110												315S	589	554	482	750										560				1020	-	1530	249	1822	1309
150X125CBH	5.5	150	125	210	335	360	330	290	180	185	175	170	132S	239	241	212	61	210	480	150	600	-	900	400	360	4-φ19	80	3	1028	311						
	7.5												132M	258	267	212	73										155				630	-	940	83	1073	326
	11												160M	323	291	255	103										170				690	-	1030	89	1162	362
	15												160L	345	329	255	130										185				740	-	1110	95	1277	425
150X125CBJ	18.5	150	125	234	366	370	340	315	224	205	205	200	180M	351.5	331.5	270	165	210	490	185	740	-	1110	400	360	4-φ19	94	3	1286	459						
	22												180L	370.5	347.5	270	180										190				770	-	1150	97	1321	477
	30												200L	395.5	376.5	300	238										195				800	-	1190	123	1376	561
	37												225S	432	388	327	298										200				820	-	1220	128	1424	626
	45												225M	444.5	400.5	327	322										205				840	-	1250	128	1424	626
	55												250M	482.5	434.5	373	410										215				880	-	1310	139	1536	789
150X150CBG	7.5	150	150	225	320	350	305	275	170	175	165	150	132M	258	267	212	73	210	470	155	620	-	930	400	360	4-φ19	82	3	1073	305						
	11												160M	323	291	255	103										165				680	-	1010	87	1162	340
	15												160L	345	329	255	130										175				710	-	1060	91	1222	371
	18.5												250M	482.5	434.5	373	410										235				940	-	1410	168	1627	1008
	22												280S	514	462	413	555										240				980	-	1460	194	1686	1179
	30												280M	539.5	487.5	413	610										250				1020	-	1520	201	1737	1241
200X100CBK	37	200	100	285	421	430	465	350	275	185	255	430	315S	589	554	482	750	260	570	240	980	-	1460	620	570	4-φ24	272	4	1853	1452						
	45												315M	589	554	482	750										260				1050	-	1570	201	1737	1241
	55												315L	614.5	708.5	482	960										272				1020	-	1570	201	1737	1241
	75												315L	614.5	708.5	482	960										272				1020	-	1570	201	1737	1241
	90												315L	614.5	708.5	482	960										272				1020	-	1570	201	1737	1241
	110												315L	614.5	708.5	482	960										272				1020	-	1570	201	1737	1241
200X125CBH	7.5	200	125	222	349	385	340	265	215	200	200	190	132M	258	267	212	73	210	505	160	640	-	960	400	360	4-φ19	86	3	1098	349						
	11												160M	323	291	255	103										170				700	-	1040	92	1187	385
	15												160L	345	329	255	130										180				730	-	1090	96	1247	416
	18.5												180M	351.5	331.5	270	165										185				760	-	1130	99	1291	469
	22												180L	370.5	347.5	270	180										185				760	-	1130	99	1291	469
	30												200L	395.5	376.5	300	238										525				760	-	1130	101	1291	521
200X125CBJ	37	200	125	222	349	405	400	280	240	210	230	240	200L	395.5	376.5	300	238	210	525	185	790	-	1180	440	400	4-φ19	110	3	1346	588						
	45												225S	432	388	327	298										200				800	-	1200	134	1394	672
	55												225M	444.5	400.5	327	322										205				820	-	1230	137	1419	699
	75												250M	482.5	434.5	373	410										215				860	-	1290	151	1491	801
	90												280S	514	462	413	555										220				900	-	1340	173	1550	968
	110												315S	589	554	482	750										565				850	-	1270	143	1479	821
200X150CBG	11	200	150	255	350	370	330	285	205	185	185	210	160M	323	291	255	103	235	490	175	720	-	1070	440	400	4-φ19	97	3	1222	410						
	15												160L	345	329	255	130										185				740	-	1110	101	1282	441
	18.5												180M	351.5	331.5	270	165										190				750	-	1120	100	1291	475
	22												180L	370.5	347.5	270	180										190				780	-	1160	104	1326	494
	30												200L	395.5	376.5	300	238										515				750	-	1120	104	1272	494
	37												225S	432	388	327	298										535				820	-	1210	103	1281	528
200X150CBH	15	200	150	243	353	395	380	260	240	210	220	260	160L	345	329	255	130	235	515	185	750	-	1120	440	400	4-φ19	104	3	1272	494						
	18.5												180M	351.5	331.5	270	165										190				780	-	1160	107		

DIMENSIONS - Dimensions of Pump with motor

C-5

units:mm

Model	Motor		Pump										Motor					Common Base										Total								
	kW	Ds	Dd	A	B	C	E	F	G	H	I	Wt (KG)	Frame	MR	MA	Hm	Wt (KG)	BJ	BC	BN	BM	BM1	BL	BW	BY	n-fd	Wt (KG)	T	L	Wt (KG)						
200X200CBF	11	200	200	245	340	385	380	320	210	200	200	230	160M	323	291	255	103	235	505	175	710	-	1060	440	400	4-φ19	98	3	1202	431						
	15												160L	345	329	130	180										740		-	1100	102	1262	462			
250X150CBH	30	250	150	272	408	460	425	290	264	230	250	340	200L	395.5	376.5	300	238	260	600	215	860	-	1290	490	440	4-φ24	153	4	1456	731						
	37												225S	432	388	327	298										220		900	-	1340	155	1504	793		
	45												225M	444.5	400.5	322	322										230		940	-	1400	174	1601	924		
	55												250M	482.5	434.5	373	410										240		970	-	1450	203	1660	1098		
	75												280S	514	462	413	555										250		1000	-	1490	270	1776	1350		
250X150CBJ	75	250	150	294	451	480	450	440	310	250	290	470	280S	514	462	413	555	260	620	255	1040	-	1550	620	570	4-φ24	210	4	1725	1235						
	90												280M	539.5	487.5	482	610										255		1040	-	1550	270	1776	1350		
	110												315S	589	554	482	750										265		1070	-	1600	291	1892	1511		
	132												315M			482	875										265		1070	-	1600	316	1661			
	160												315L	614.5	708.5	482	960										285		1140	-	1710	316	2072	1747		
	185															482	1070													-		317	1857			
250X150CBK	90	250	150	345	520	480	520	390	310	205	285	630	280M	539.5	487.5	413	610	295	660	275	1100	-	1650	620	560	4-φ26	281	4	1896	1521						
	110												315S	589	554	482	750										285		1140	-	1710	318	2012	1698		
	132												315M			482	875										300		1220	-	1820	326	1831			
	160												315L	614.5	708.5	482	960										300		1220	-	1820	328	2192	1918		
	185															1070														-			2028			
	200															1630														-			2638			
	220															1640														-			2648			
	250															1690														-			2698			
	280															1790														-			2798			
	315																													-						
250X200CBF	18.5	250	200	275	390	450	395	315	243	225	225	320	180M	351.5	331.5	270	165	260	590	195	800	-	1190	490	440	4-φ24	139	3	1351	624						
	22												180L	370.5	347.5	180	180										200		820	-	1220	144	1386	644		
	30												200L	395.5	376.5	300	238										210		850	-	1270	151	1441	709		
																														-						
																														-						
250X200CBGX	30	250	200	270	385	435	370	300	225	210	210	270	180L	370.5	347.5	270	180	260	575	200	820	-	1220	490	440	4-φ24	141	3	1376	591						
	37												200L	395.5	376.5	300	238										210		840	-	1260	148	1431	656		
													225S	432	388	327	298										215		860	-	1290	150	1479	718		
																														-						
250X200CBGY	37	250	200	290	415	475	415	340	250	235	235	340	225S	432	388	327	298	295	615	225	900	-	1350	560	510	4-φ24	169	4	1529	807						
	45												225M	444.5	400.5	322	322										230		920	-	1380	173	1554	835		
	55												250M	482.5	434.5	373	410										240		960	-	1440	184	1626	934		
	75												280S	514	462	413	555										245		1000	-	1490	214	1685	1109		
																														-						
250X200CBH	45	250	200	285	421	505	475	350	280	260	280	470	225M	444.5	400.5	327	322	295	645	230	920	-	1380	560	510	4-φ24	178	4	1554	970						
	55												250M	482.5	434.5	373	410										240		970	-	1450	191	1626	1071		
	75												280S	514	462	413	555										250		1000	-	1500	224	1685	1249		
	90												280M	539.5	487.5	482	610										255		1040	-	1550	284	1736	1364		
	110												315S	589	554	482	750										265		1080	-	1610	306	1852	1526		
	132												315M	614.5	708.5	482	875										285		1150	-	1720	331	2032	1676		
300X150CBK	160	300	150	350	535	485	600	440	345	235	320	860	315L	614.5	708.5	482	960	295	665	305	1220	-	1830	700	640	4-φ26	330	4	2212	2150						
	185																													-						
	200																													-						
	220																													-						
	250																													-						
	280																													-						
	315																													-						
	355																													-						
	400																													-						
	450																													-						
500								-																												
630								-																												
300X200CBG	55	300	200	310	460	525	465	355	270	260	265	580	250M	482.5	434.5	373	410	295	645	260	980	490	1500	560	530	6-φ19	171	4	1691	1161						
	75												280S	514	462	413	555										265		1030	515	1550	610	580	199	1750	1334
	90												280M	539.5	487.5	482	610										275		1100	-	1650	292	1801	1482		
	110												315S	589	554	482	750										290		1180	-	1760	314	1917	1644		
	132												315M	614.5	708.5	482	875										290		1180	-	1760	341	2097	1796		
300X200CBH	90	300	200	310	490	560	535	405	320	295	315	690	280M	539.5	487.5	413	610	295	740	270	1080	-	1620	620	560	4-φ26	304	4	1831	1604						
	110												315S	589	554	482	750										280		1120	-	1680	328	1947	1768		
	132												315M			482	875													-		356	1921			
	160												315L	614.5	708.5	482	960										295		1200	-	1790	357	2127	2007		
	185																1070													-			2117			
200					1080			-			2127																									
300X200CBJX	132	300	200	321	480	545	505	495	336	280	320	720	315M				875	295	725	295	1190	-	1780	700	640	4-φ26	351	4	2128	1946						
	160												315L	614.5	708.5	482	960													-		353	2143	2153		
	185																1070													-			2739			
	200																1630													-			2749			
	220																1640													-			2799			
	250																1690													-			2899			
280					1790			-																												
315								-																												
355								-																												

*1: The motor without size is high voltage motor, please contact us.

DIMENSIONS - Dimensions of Pump with motor

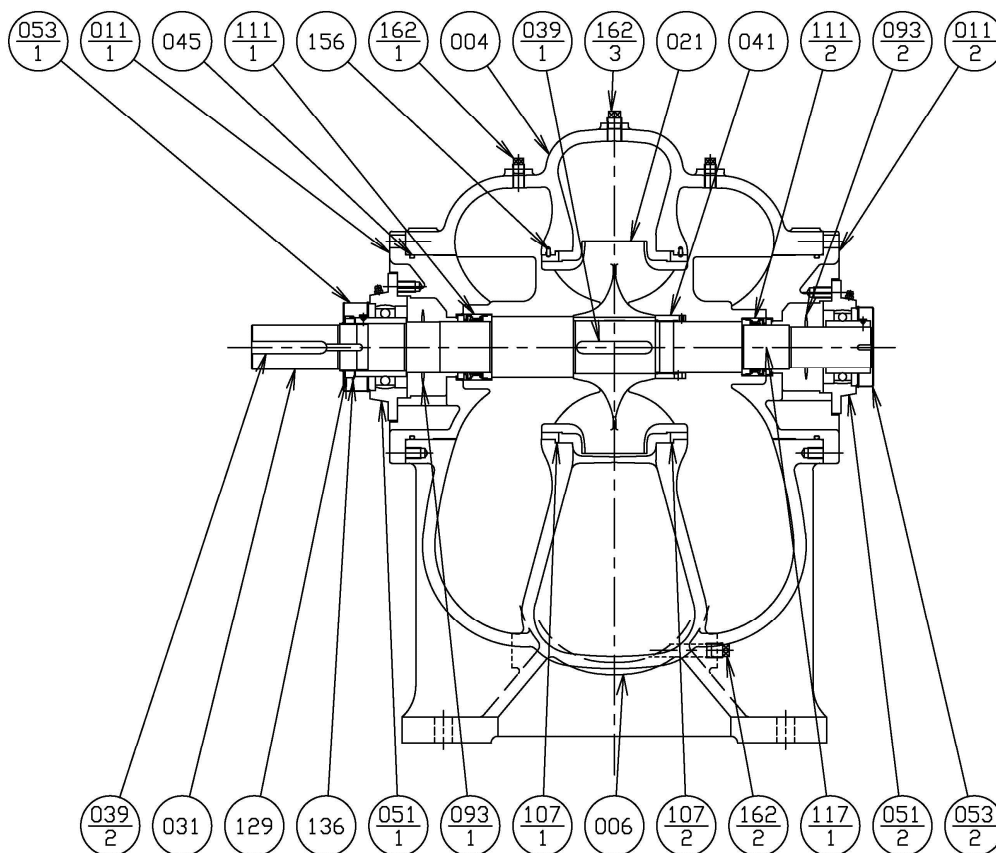
C-6

units:mm

Model	Motor		Size		Pump										Common Base										Total																																																																																																																																																																													
	kW	Ds	Dd	A	B	C	E	F	G	H	I	Wt (KG)	Frame	MR	MA	Hm	Wt (KG)	BJ	BC	BN	BM	BM1	BL	BW	BY	n-fd	Wt (KG)	T	L	Wt (KG)																																																																																																																																																																								
300X200CBJY	200	300	200	349	526	565	565	550	374	315	360	870	315L	614.5	708.5	482	1080	295	745	300	1220	-	1820	700	640	4-φ26	360	4	2202	2310																																																																																																																																																																								
	220												704	816	646	1630	1640														1690	1790	-	-	-	1980	830	770	416	5	2400	2916																																																																																																																																																												
	250																																										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																															
	280																																																																							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																
	315																																																																																																						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																	
	355																																																																																																																																					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																			
	400																																																																																																																																																																			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																				
500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																				
630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																				
30	300	250	280	415	505	445	350	265	255	255	480	200L	395.5	376.5	300	238	295	645	220	890	-	1330	560	510	4-φ24	173	4	1471	891																																																																																																																																																																									
37												444.5	400.5	322	230	920														-	1380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																											
45																																																												482.5	434.5	373	410	240	960	-	1440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																								
55																																																																																															482.5	434.5	373	410	245	1000	-	1490	560	510	4-φ24	204	4	1716	1204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																				
55																																																																																																																																			514	462	413	555	255	1030	-	1540	620	570	4-φ26	238	4	1775	1383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																	
55																																																																																																																																																																						539.5	487.5	373	410	255	1060	-	1590	560	560	4-φ26	299	4	1826	1499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55																																																																																																																																																																																																						
110	300	250	370	525	600	560	450	305	307	300	780	315S	589	554	750	330	745	300	1145	-	1745	700	4-φ24	323	4	2042	1853																																																																																																																																																																											
132												614.5	708.5	482	875													310	1230	-	1850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																											
160																																																												614.5	708.5	482	960	785	310	1240	-	1860	740	4-φ26	421	4	2222	2161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																								
185																																																																																															614.5	708.5	482	1070	330	785	1240	-	1860	740	4-φ26	421	4	2222	2271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																					
200																																																																																																																																		704	816	646	1080	330	785	1240	-	1860	740	4-φ26	421	4	2222	2281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																			
220																																																																																																																																																																				704	816	646	1630	330	785	1240	-	1860	740	4-φ26	421	4	2222	2890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
220																																																																																																																																																																																																					614.5	708.5
160	300	250	350	535	625	600	450	355	340	355	860	315L	614.5	708.5	482	960	330	810	310	1250	-	1870	740	680	4-φ26	431	4	2212	2251																																																																																																																																																																									
185												614.5	708.5	482	1070	330														810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																											
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CONSTRUCTION - Sectional View of Pump

D-1



Mechanical Seal Type

No	Part Name	GB Material	JIS Material	Qty
053-2	Bearing Cover	HT250	FC250	1
053-1	Bearing Cover	HT250	FC250	1
051-2	Bearing Unit	HT200	FC200	1
051-1	Bearing Unit	HT200	FC200	1
045	O-ring	NBR	NBR	2
041	Impeller Nut	ZCuSn5Pb5Zn5	CAC406	1
039-2	Coupling Key	50	S50C	1
039-1	Impeller Key	20Cr13	SUS420J1	1
031	Shaft	20Cr13	SUS420J1	1
021	Impeller	ZCuSn5Pb5Zn5 (or ZG0Cr18Ni9) ^{*2}	CAC406 (or SCS13) ^{*2}	1
011-2	Side Cover	HT250 (or QT450-10) ^{*1}	FC250 (or FCD450) ^{*1}	1
011-1	Side Cover	HT250 (or QT450-10) ^{*1}	FC250 (or FCD450) ^{*1}	1
006	Casing Lower Half	HT250 (or QT450-10) ^{*1}	FC250 (or FCD450) ^{*1}	1
004	Casing Upper Half	T250 (or QT450-10) ^{*1}	FC250 (or FCD450) ^{*1}	1

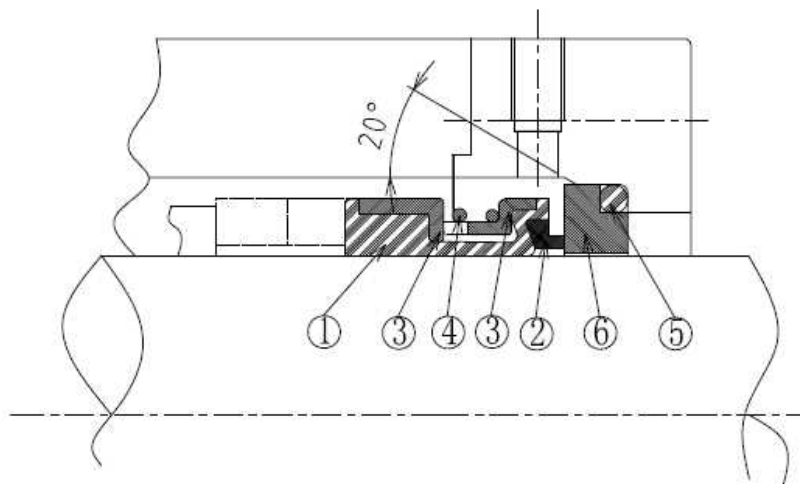
No	Part Name	GB Material	JIS Material	Qty
162-3	Plug1"	Q235-A	SS	1
162-2	Plug1/2"	Q235-A	SS	1
162-1	Plug3/8"	Q235-A	SS	2
156	Lock Pin	06Cr19Ni10	SUS304	2
136	Bearing Washer	Q235-A	SS	1
129	Bearing Nut	Q235-A	SS	1
117-1	Gasket (Casing)	-	Fiber Materials	1
111-2	Mechanical Seal	-	-	1
111-1	Mechanical Seal	-	-	1
107-2	Casing Wear Ring	ZCuSn5Pb5Zn5	CAC406	1
107-1	Casing Wear Ring	ZCuSn5Pb5Zn5	CAC406	1
093-2	Deflector (CCP Side)	NBR	NBR	1
093-1	Deflector (CP Side)	NBR	NBR	1

*1: It is applicable for Model 300X200CBJY

*2: It is applicable for Model 300X150CBK, 300X200CBJY, 350X250CBH

CONSTRUCTION - Sectional View of Mechanical Seal

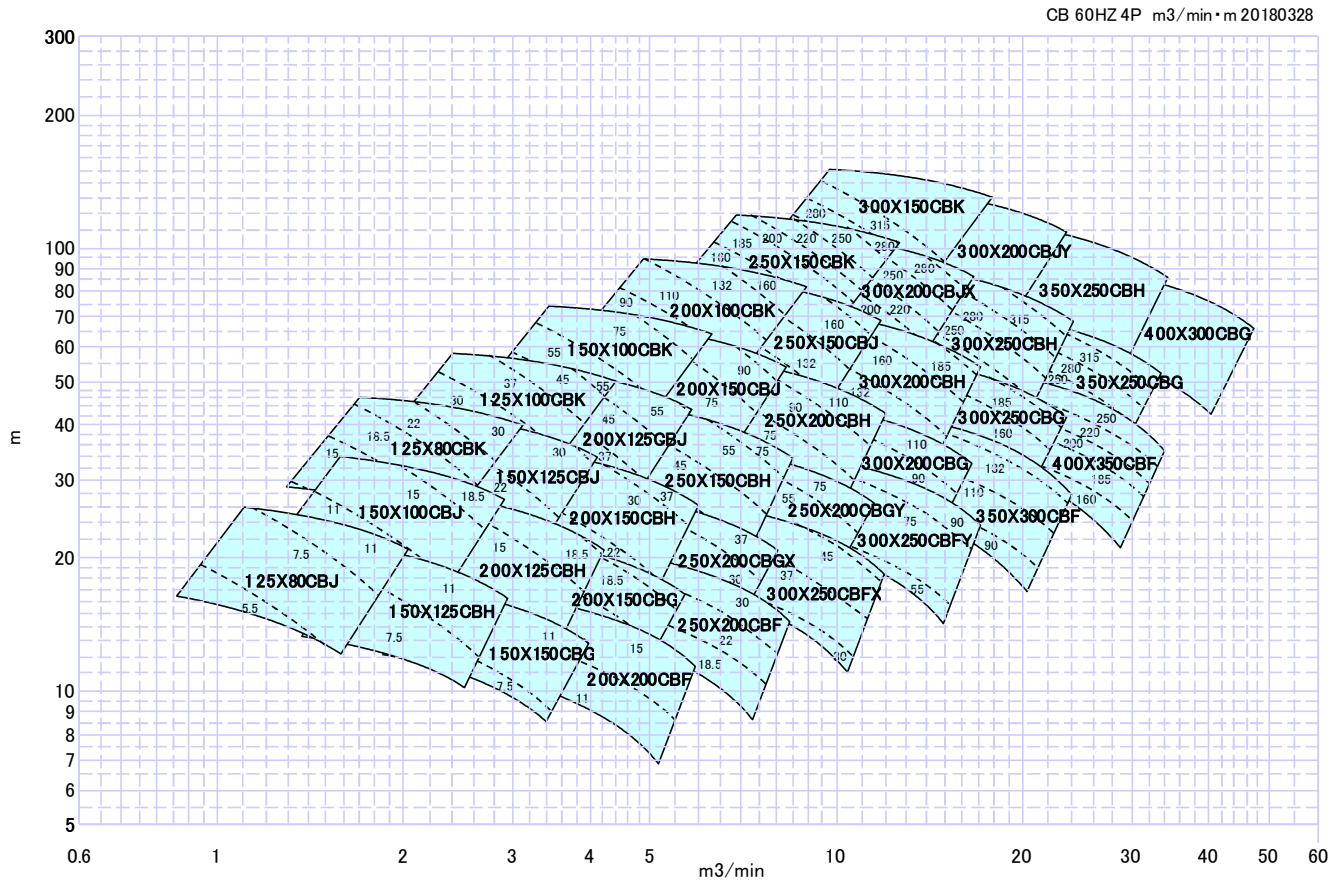
**Type:T2100 - Max.working pressure:16bar Mono coil mechanical seal
Shaft diameter<100mm**



Part No	Part Name	Material	Qty/unit
1	Bellows	NBR	1
2	Primary Ring	Carbon	1
3	Drive Band	316 Stainless Steel	1
4	Spring	316 Stainless Steel	1
5	O-ring	NBR	1
6	Mating Ring	Ceramic	1

Part No	Part Name	Material	Qty/unit
1	Drive Band	316 Stainless Steel	1
2	Holdingscrew	316 Stainless Steel	1
3	Spring	316 Stainless Steel	1
4	O-ring	FPM	1
5	Primary Ring	Carbon	1
6	Mating Ring	Silicon carbide	1
7	O-ring	FPM	1
8	Pin	316 Stainless Steel	1

60HZ - 4P



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa · s.

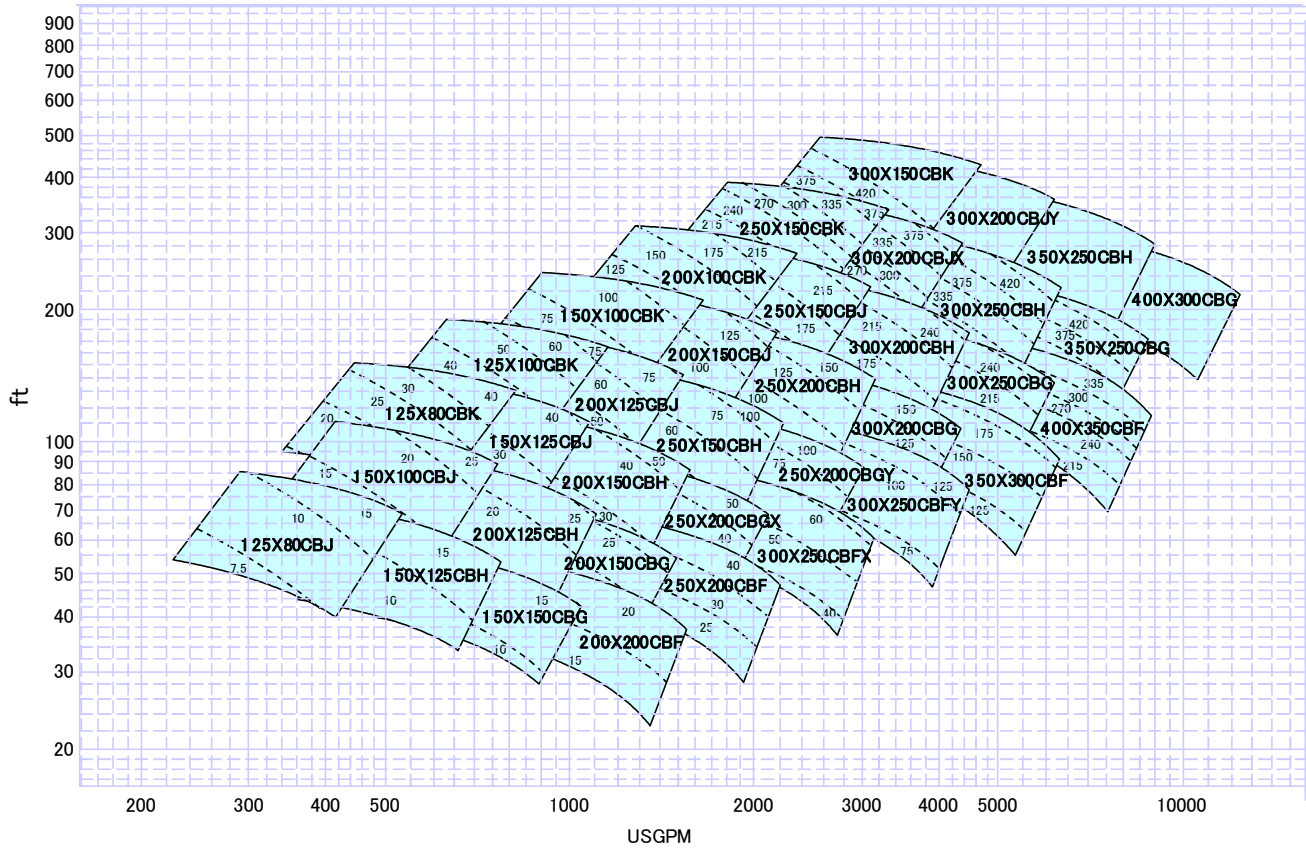
Note2 : The indicated motor output(kW) value includes the following safety margins ;

up to 7.5kW : 15%

11kW and above : 10%

60HZ - 4P

CB 60HZ 4P USGPM•FT 20180328



Note1 : The values inside the broken lines are motor output(kW) in case of density 1.0kg/L and viscosity 1.0mPa • s.

Note2 : The indicated motor output(kW) value includes the following safety margins ;

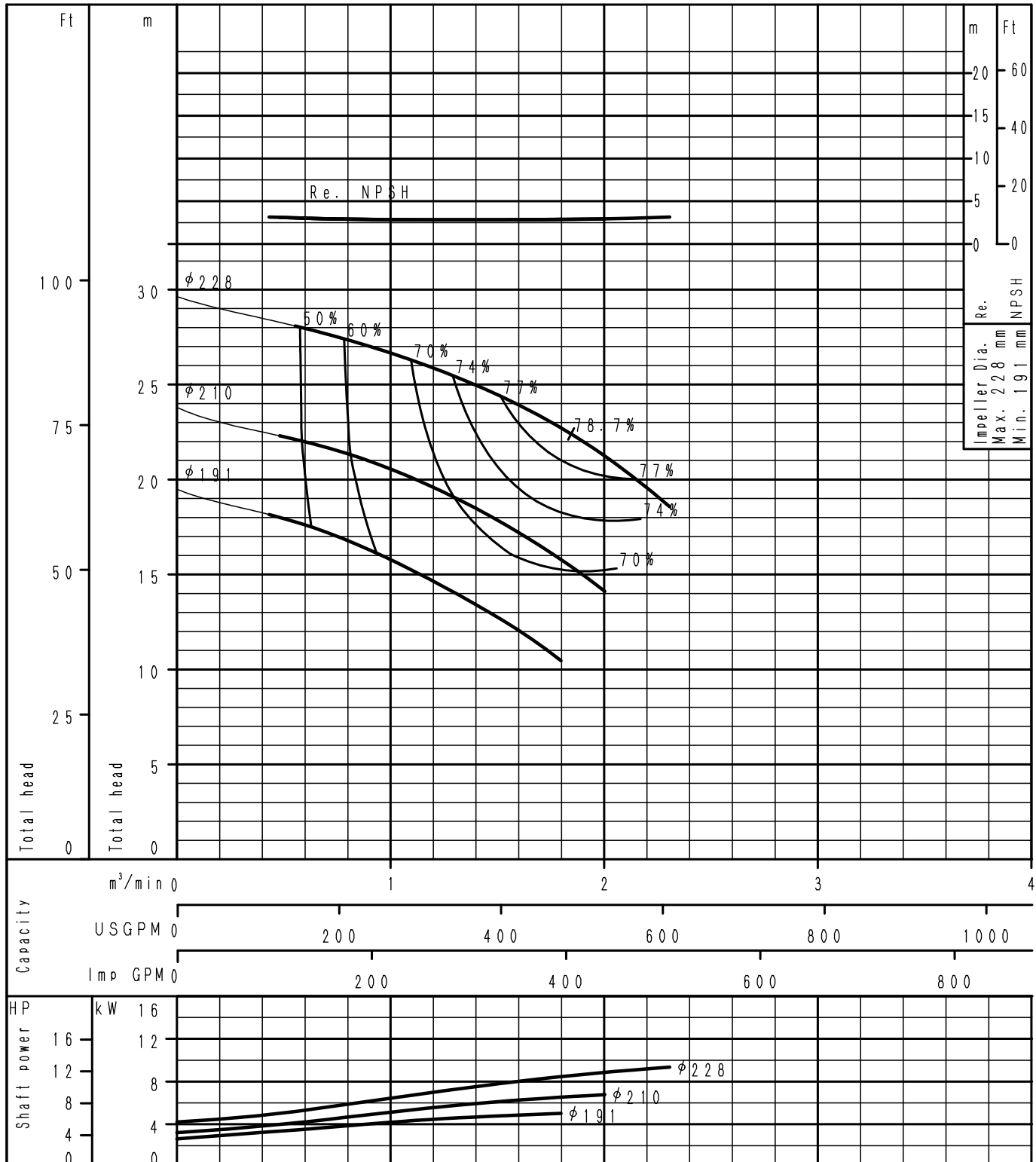
up to 7.5kW : 15%

11kW and above : 10%

Performance Curve

4 Poles

125X80CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1745 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

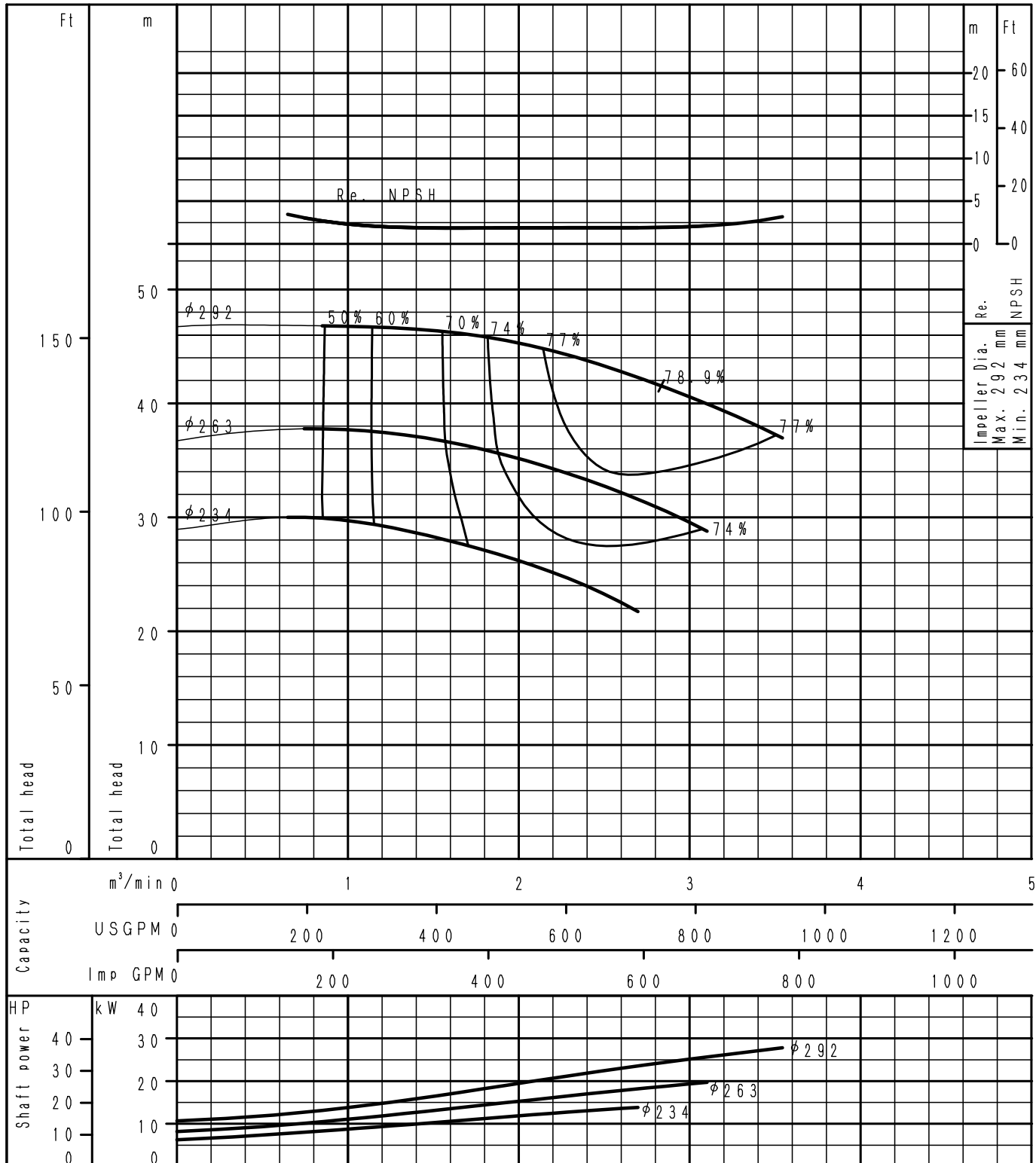


S8-1831137-00

Performance Curve

4 Poles

125X80CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

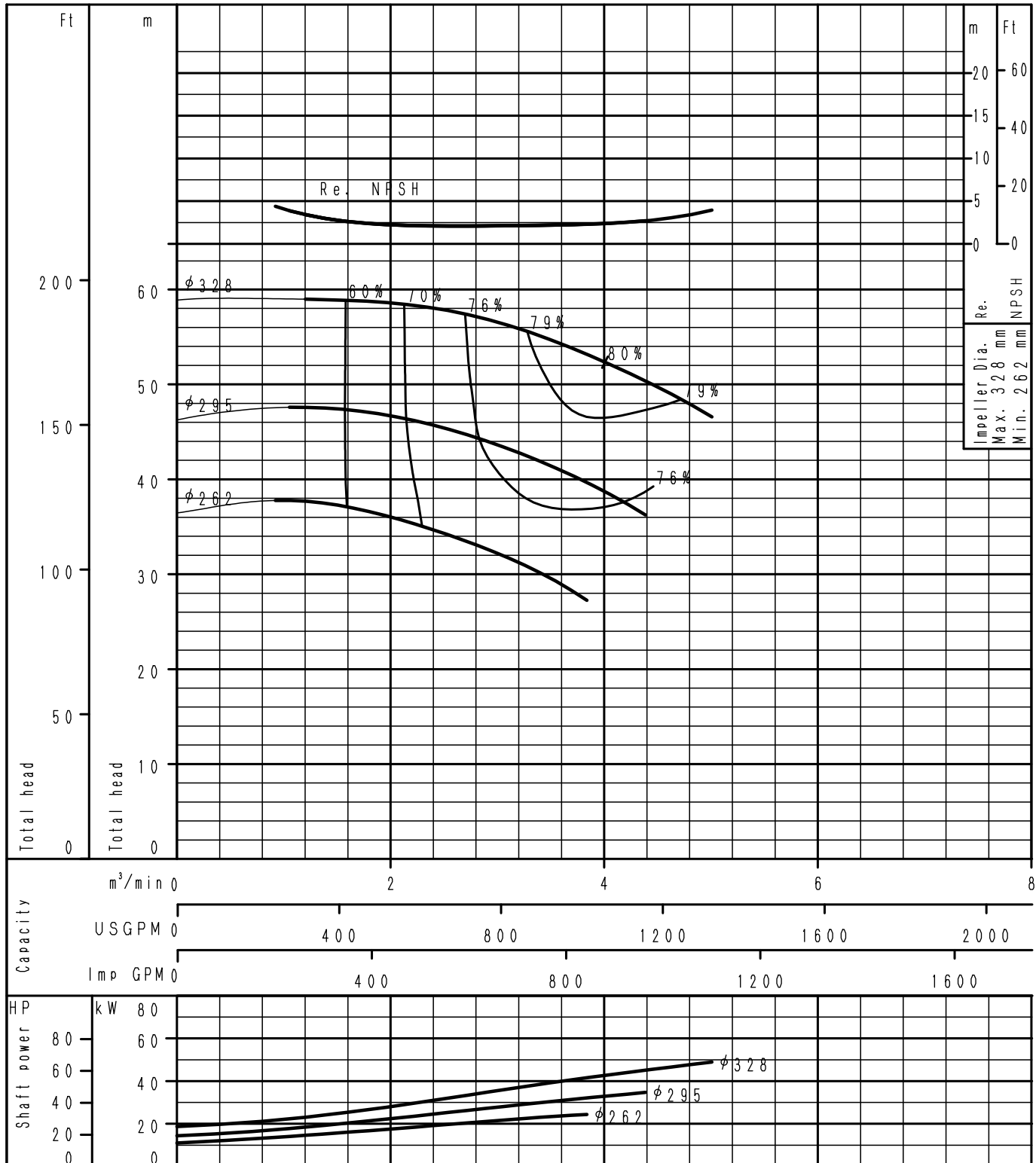


S8-1831147-00

Performance Curve

4 Poles

125X100CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



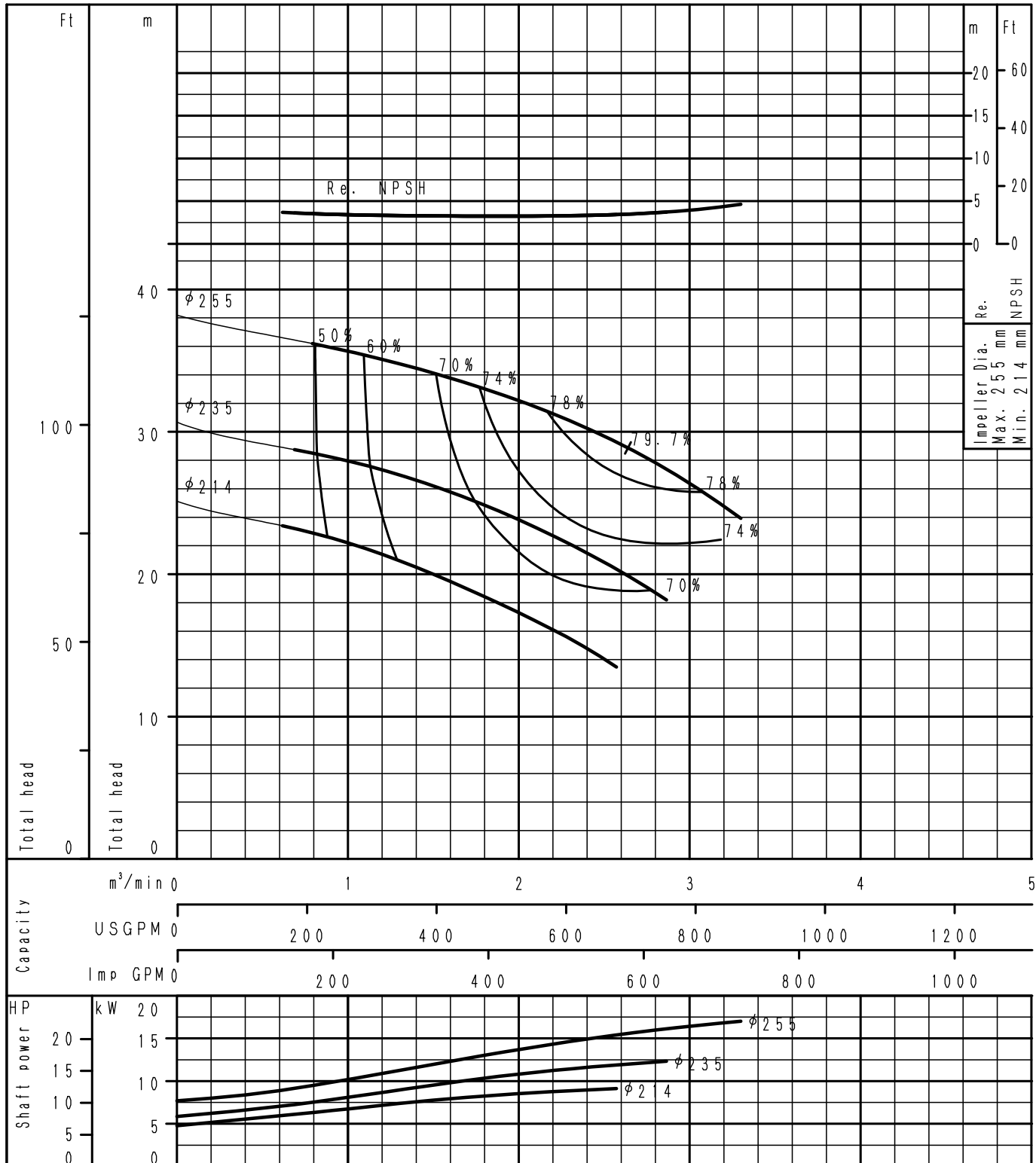
S8-1831148-00



Performance Curve

4 Poles

150X100CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

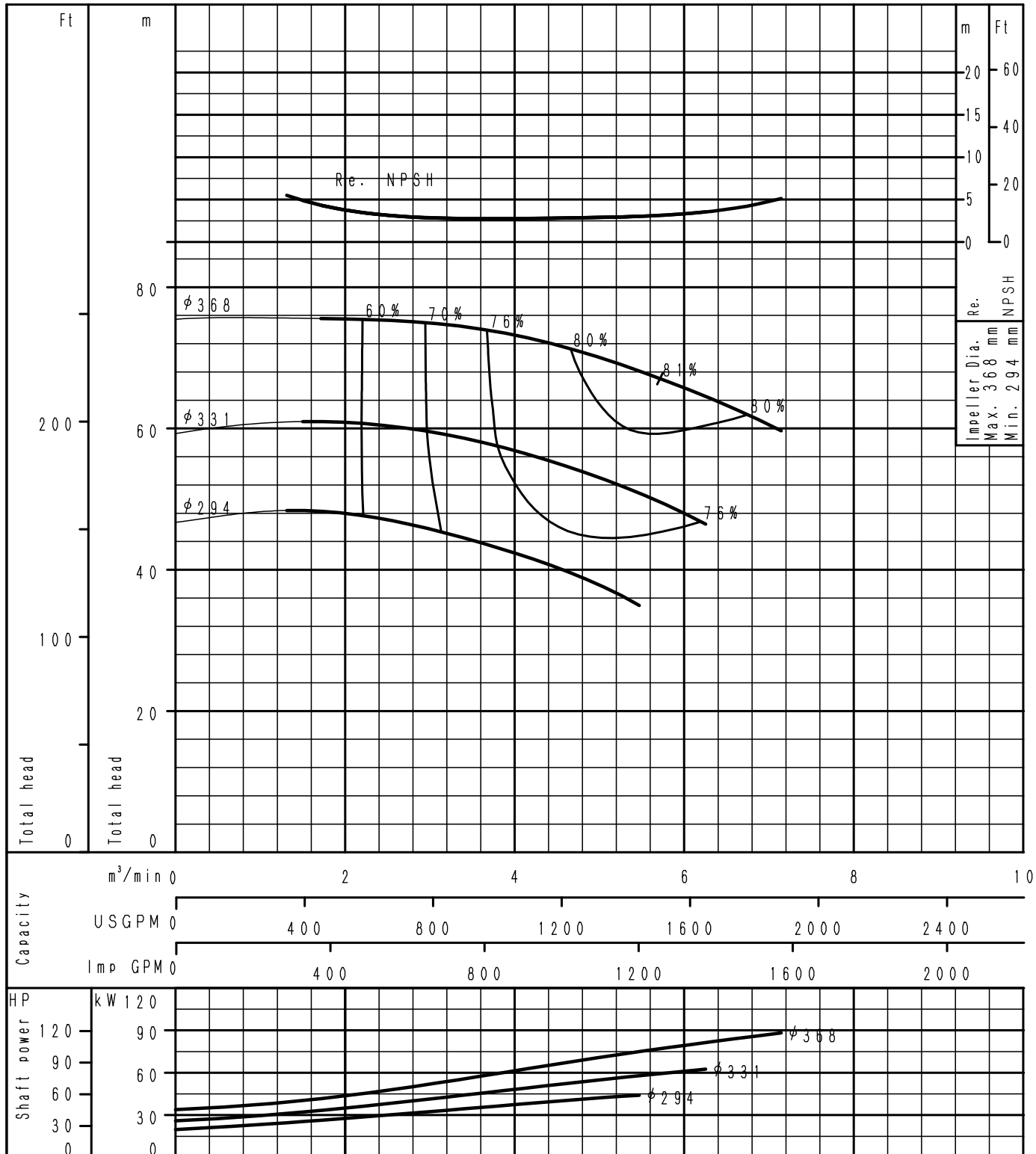


S8-1831138-00

Performance Curve

4 Poles

150X100CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



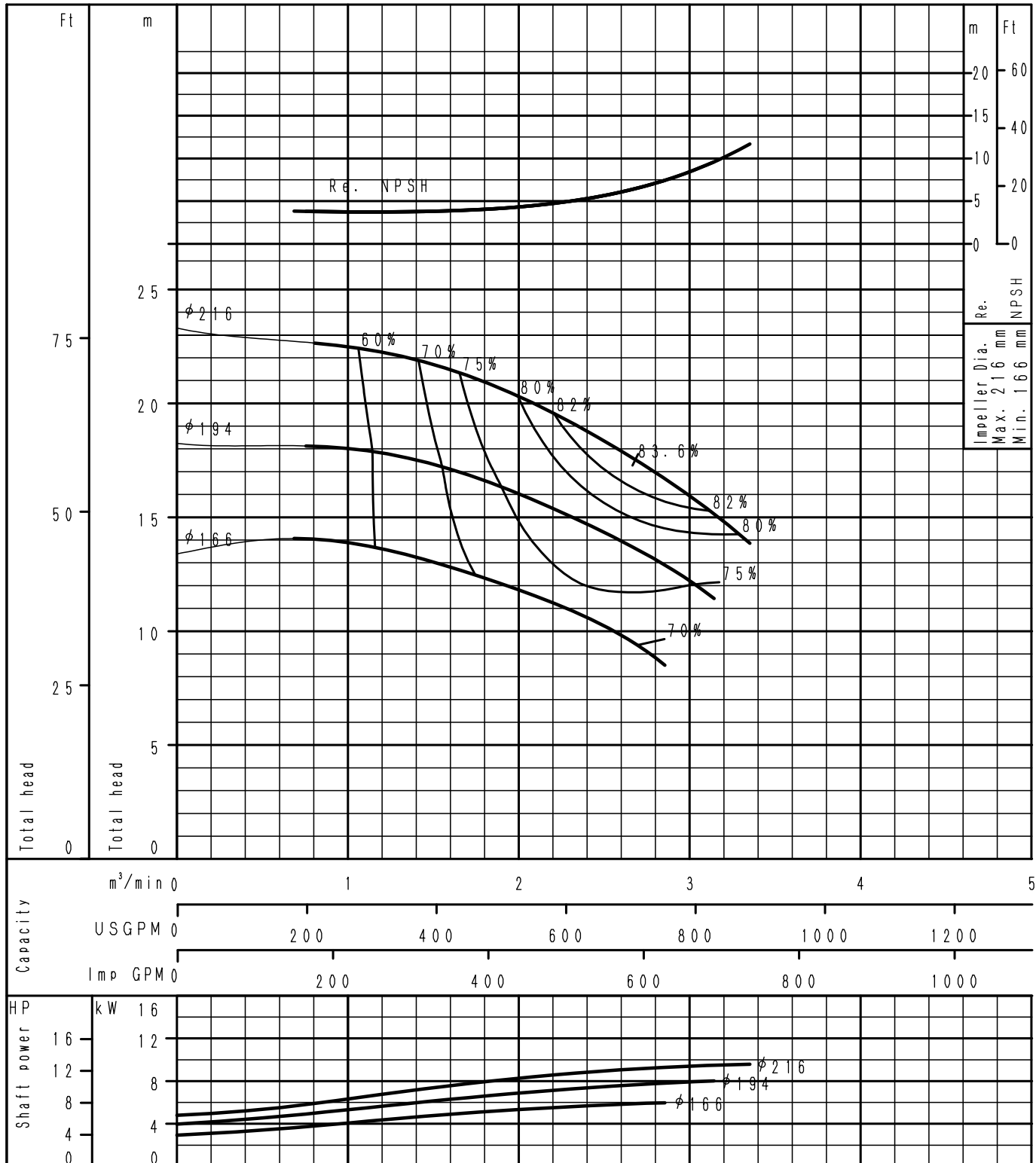
S8-1831149-00



Performance Curve

4 Poles

150X125CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1745 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

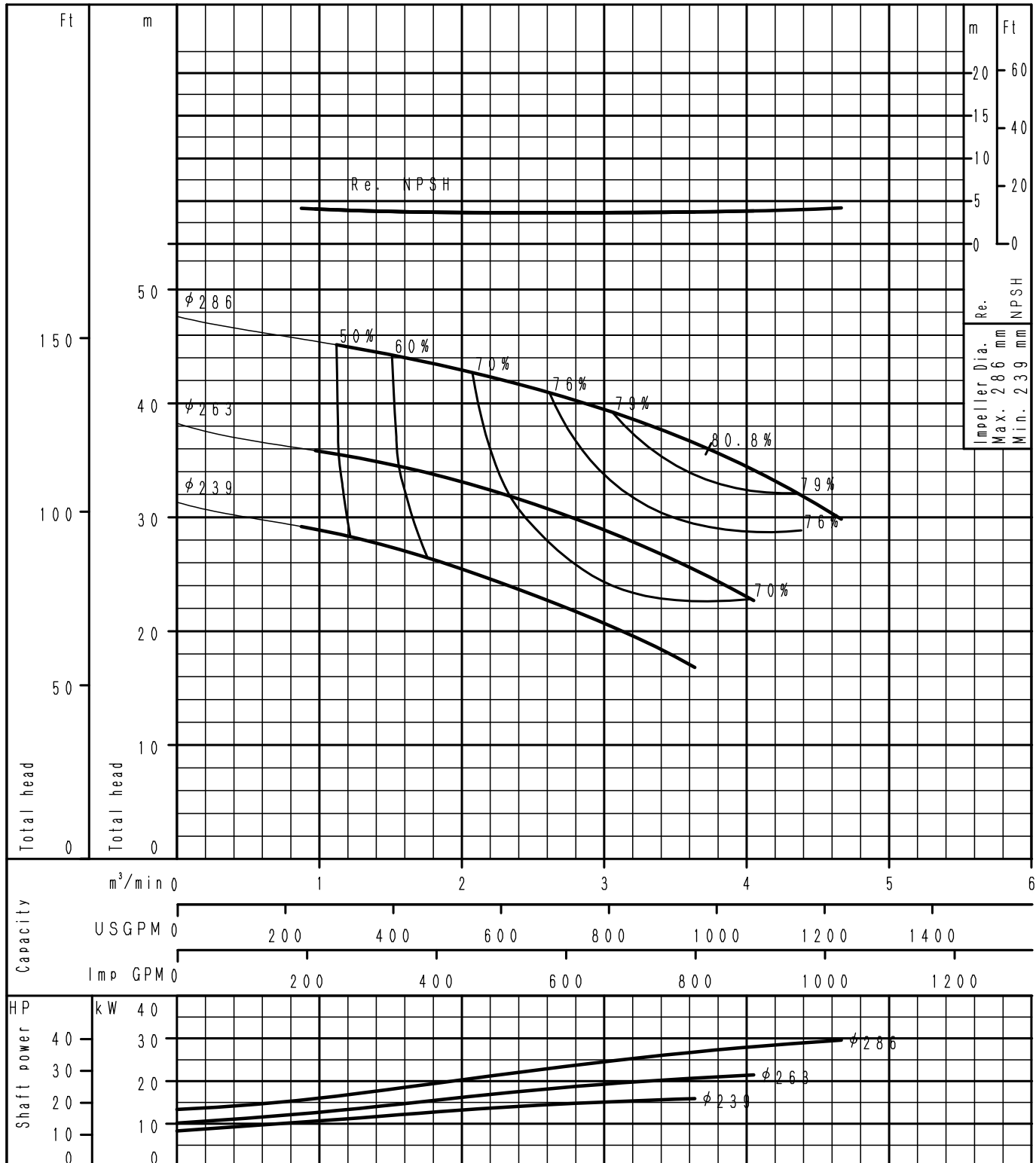


S8-1831128-00

Performance Curve

4 Poles

150X125CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



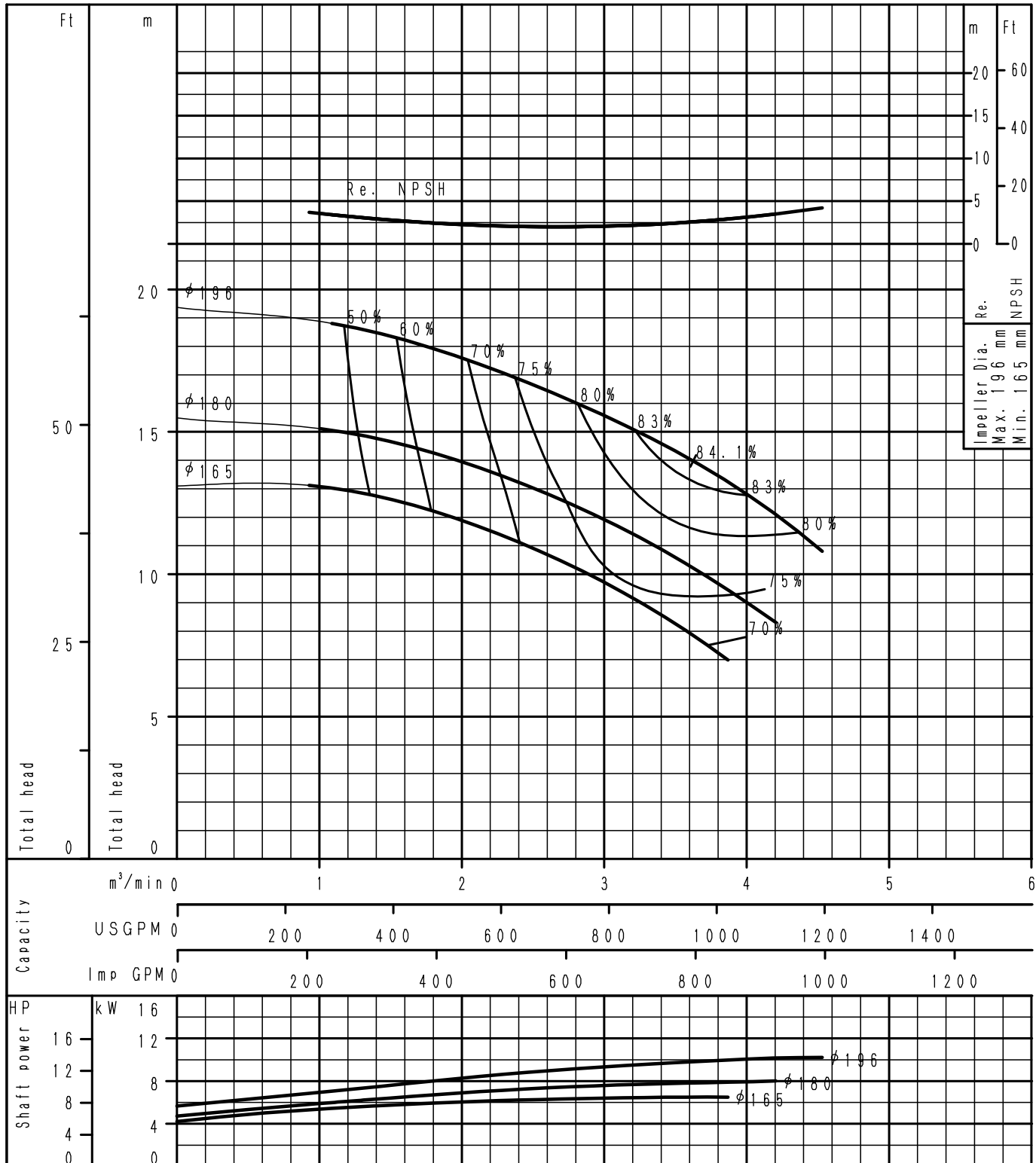
S8-1831139-00



Performance Curve

4 Poles

150X150CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1745 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

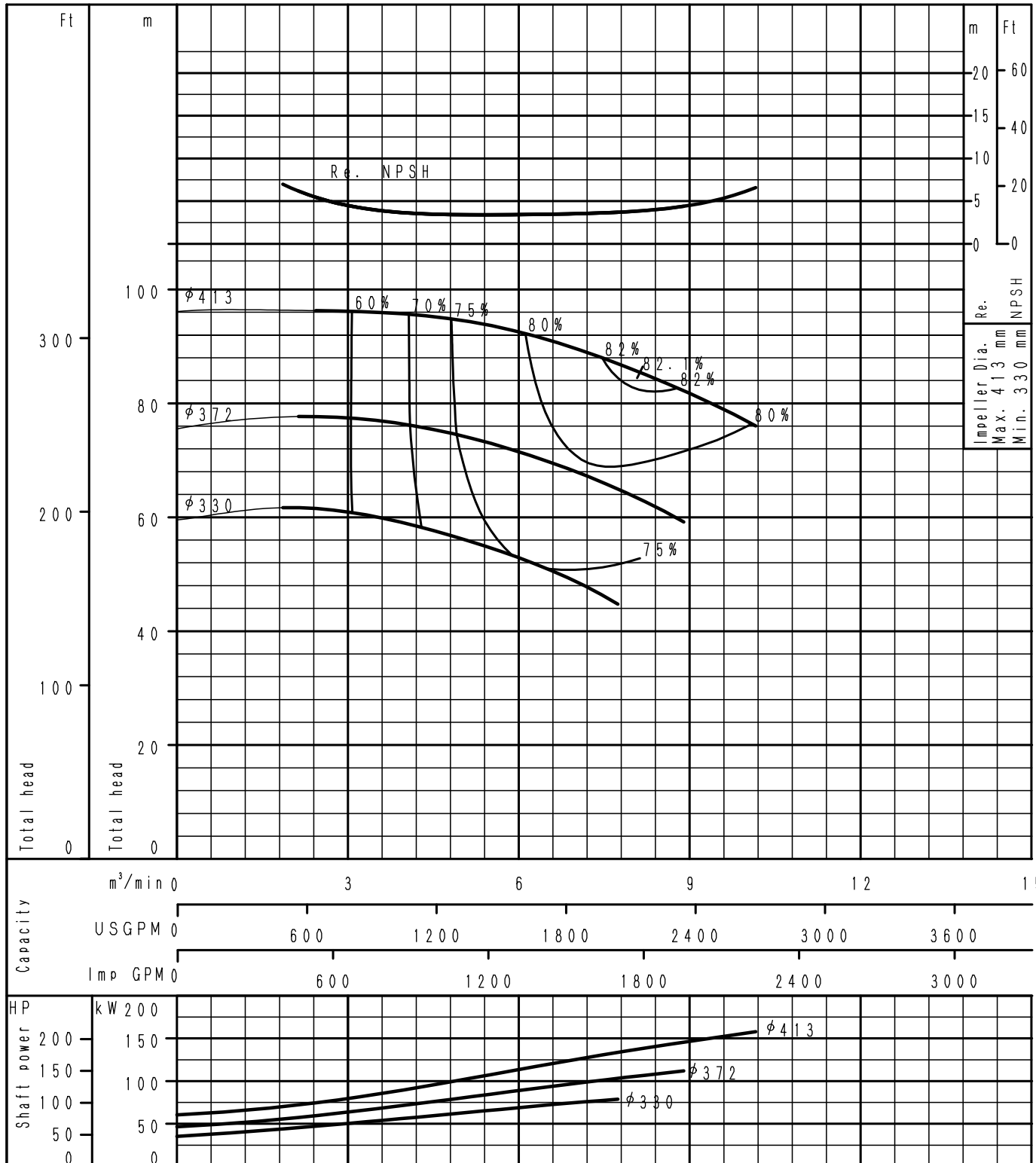


S8-1831120-00

Performance Curve

4 Poles

200X100CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

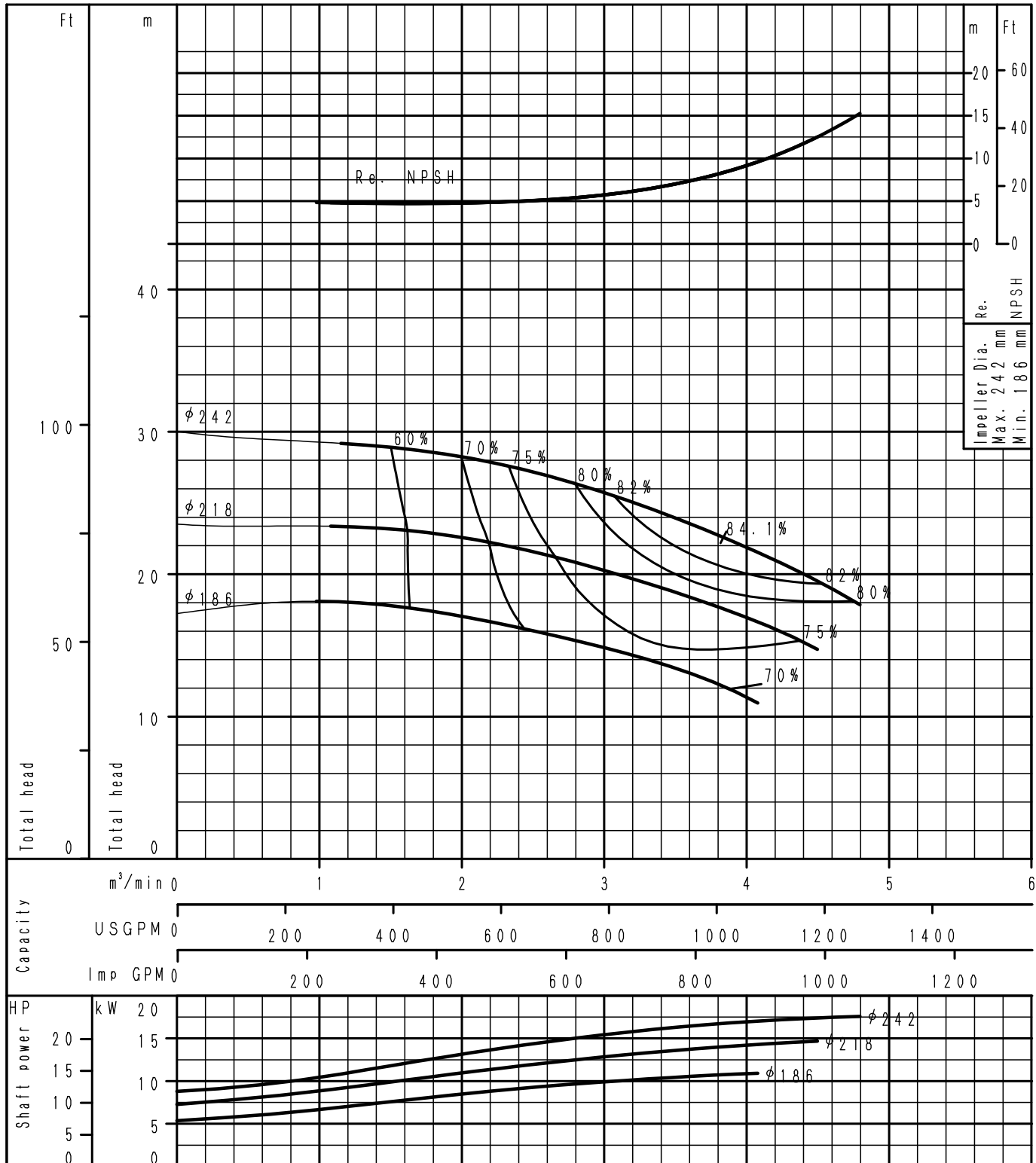


S8-1831150-00

Performance Curve

4 Poles

200X125CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



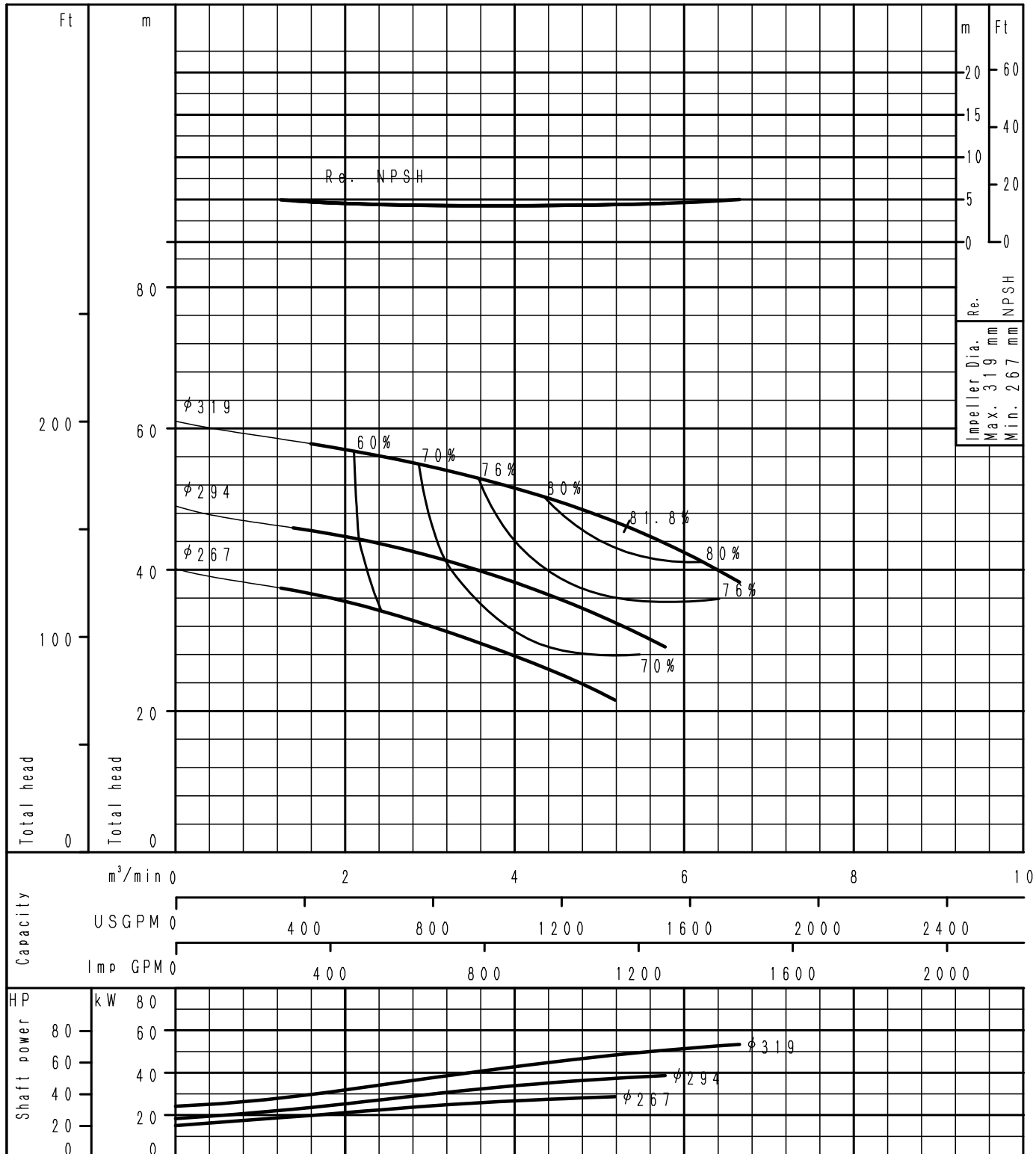
S8-1831129-00



Performance Curve

4 Poles

200X125CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

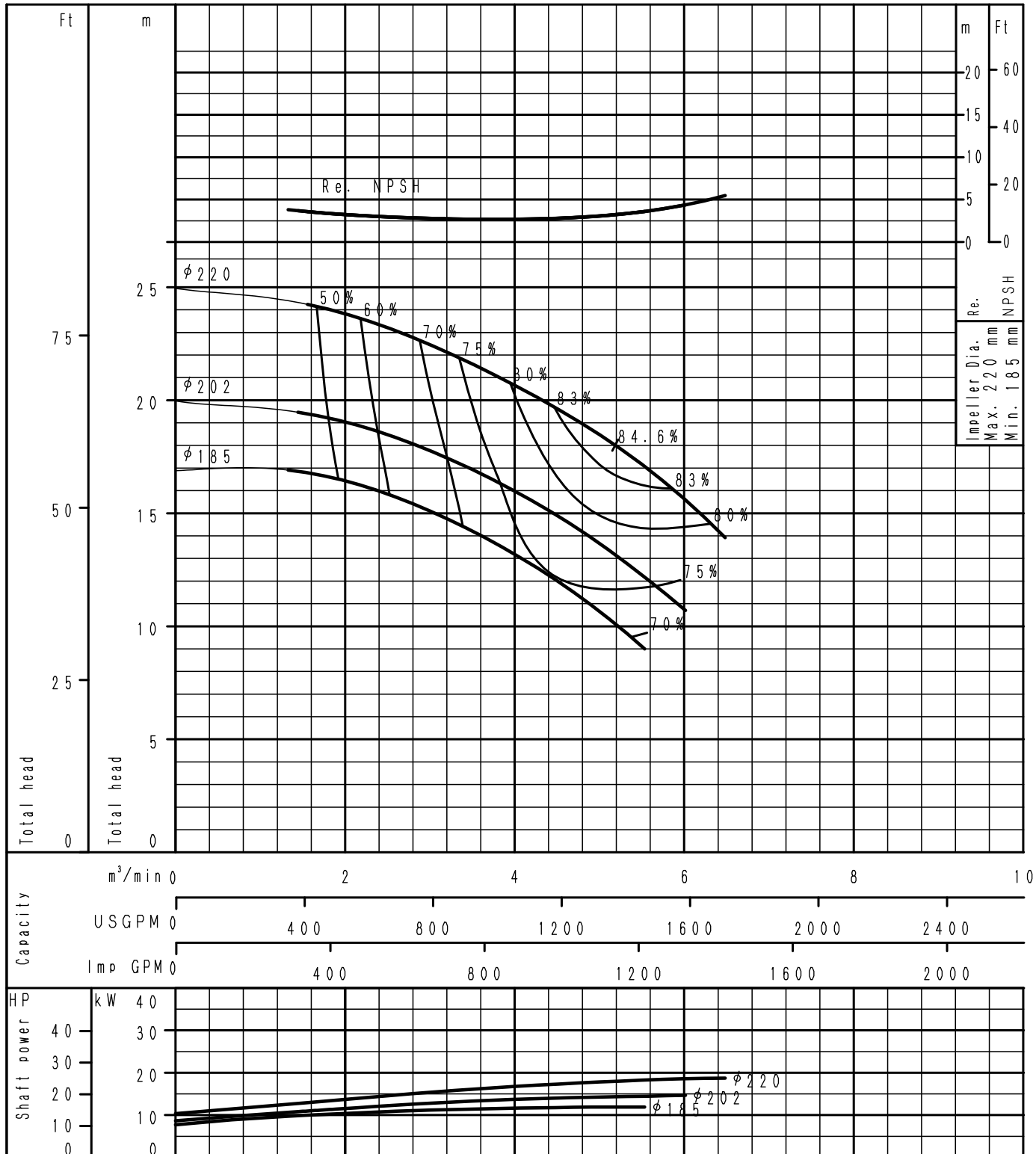


S8-1831140-00

Performance Curve

4 Poles

200x150CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

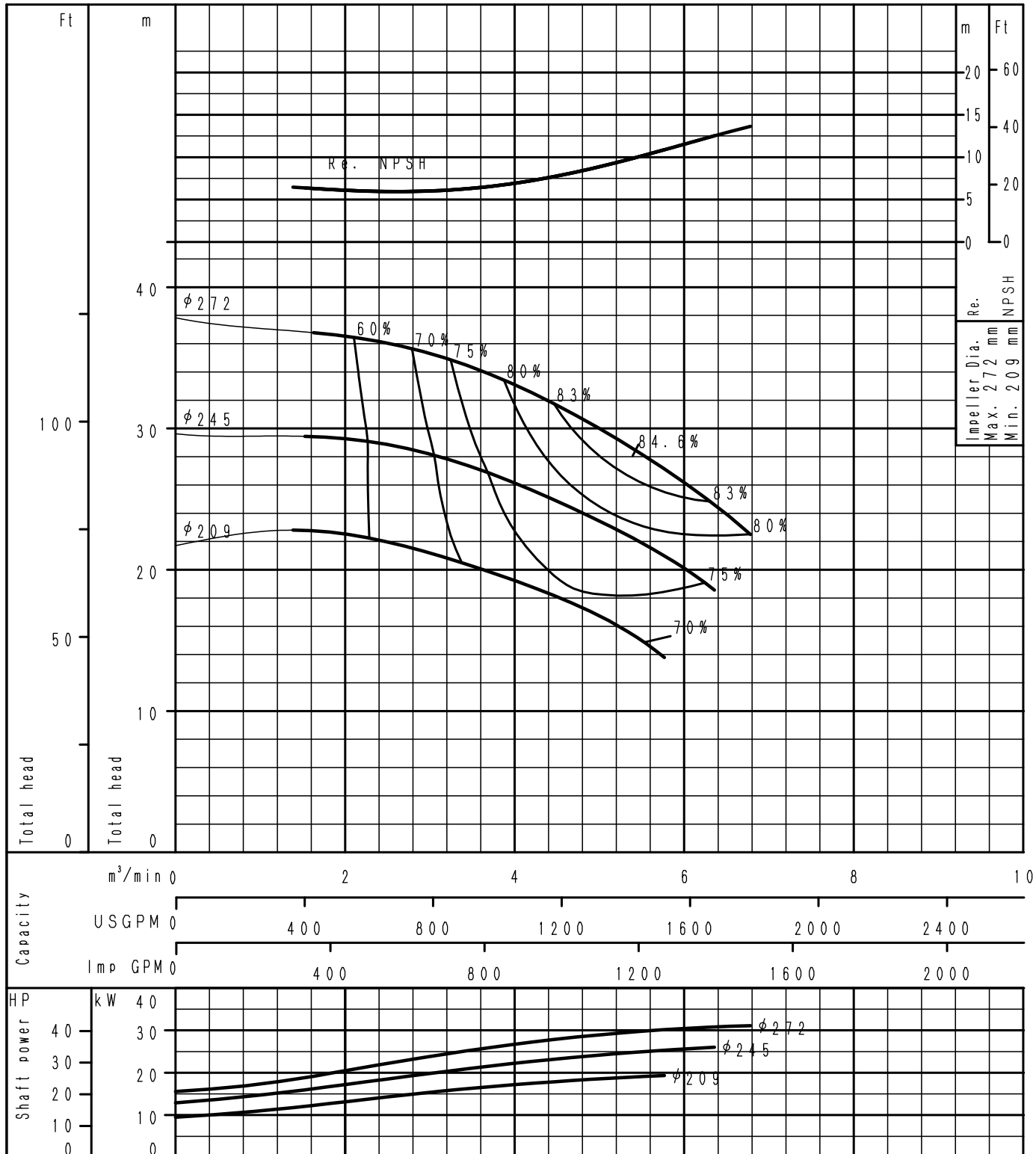


S8-1831121-00

Performance Curve

4 Poles

200X150CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

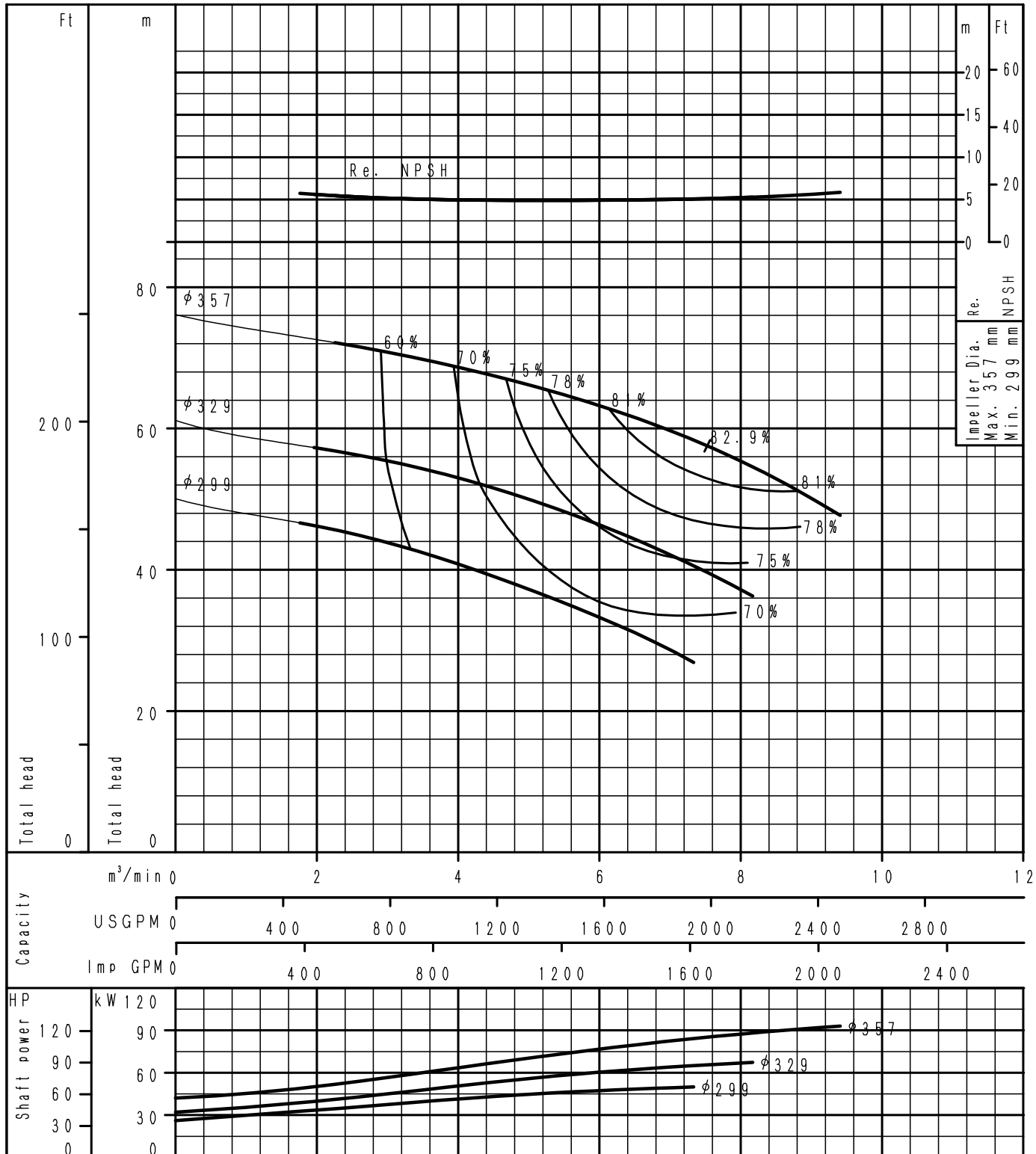


S8-1831130-00

Performance Curve

4 Poles

200X150CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

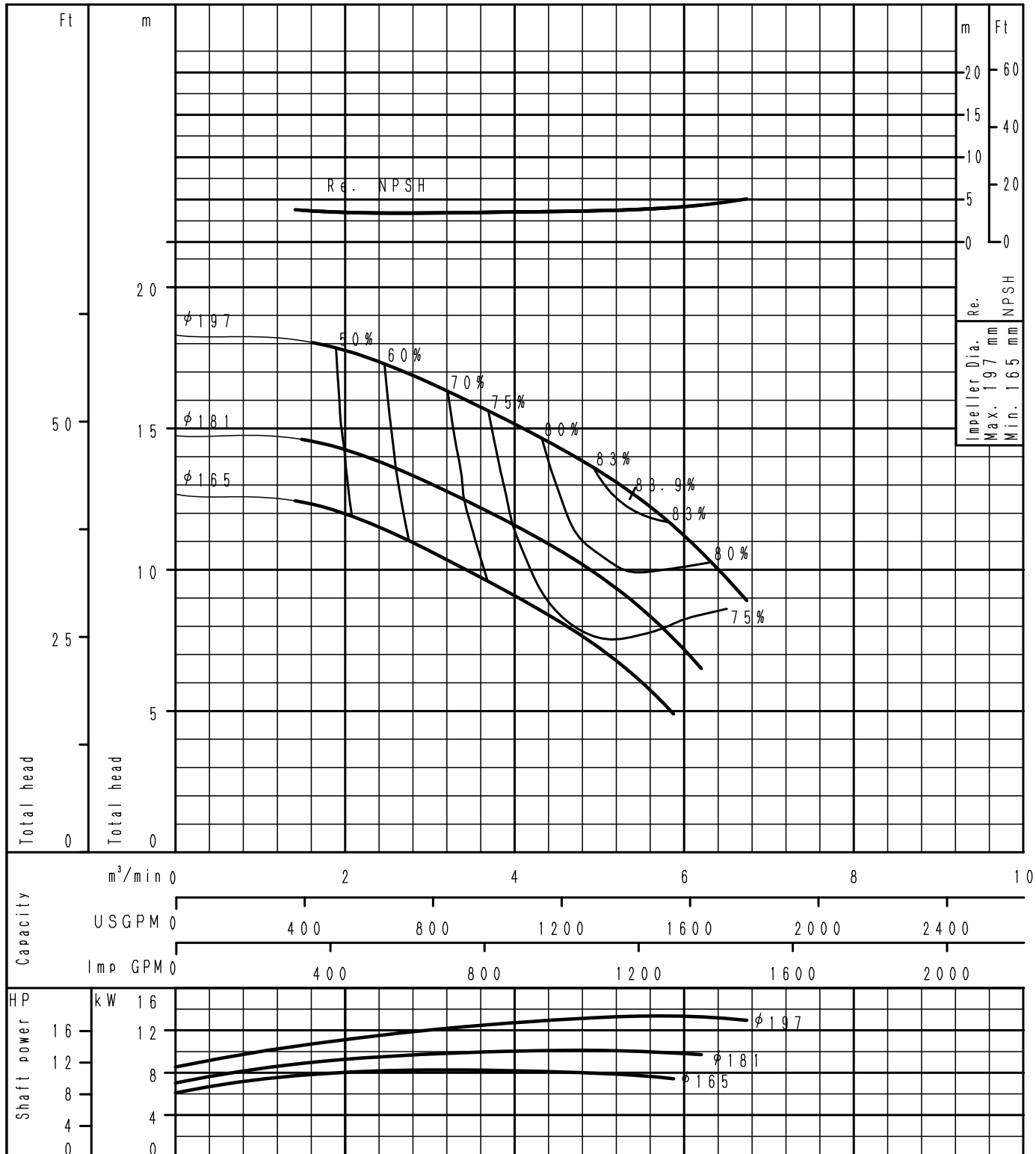


S8-1831141-00

Performance Curve

4 Poles

200X200CBF	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



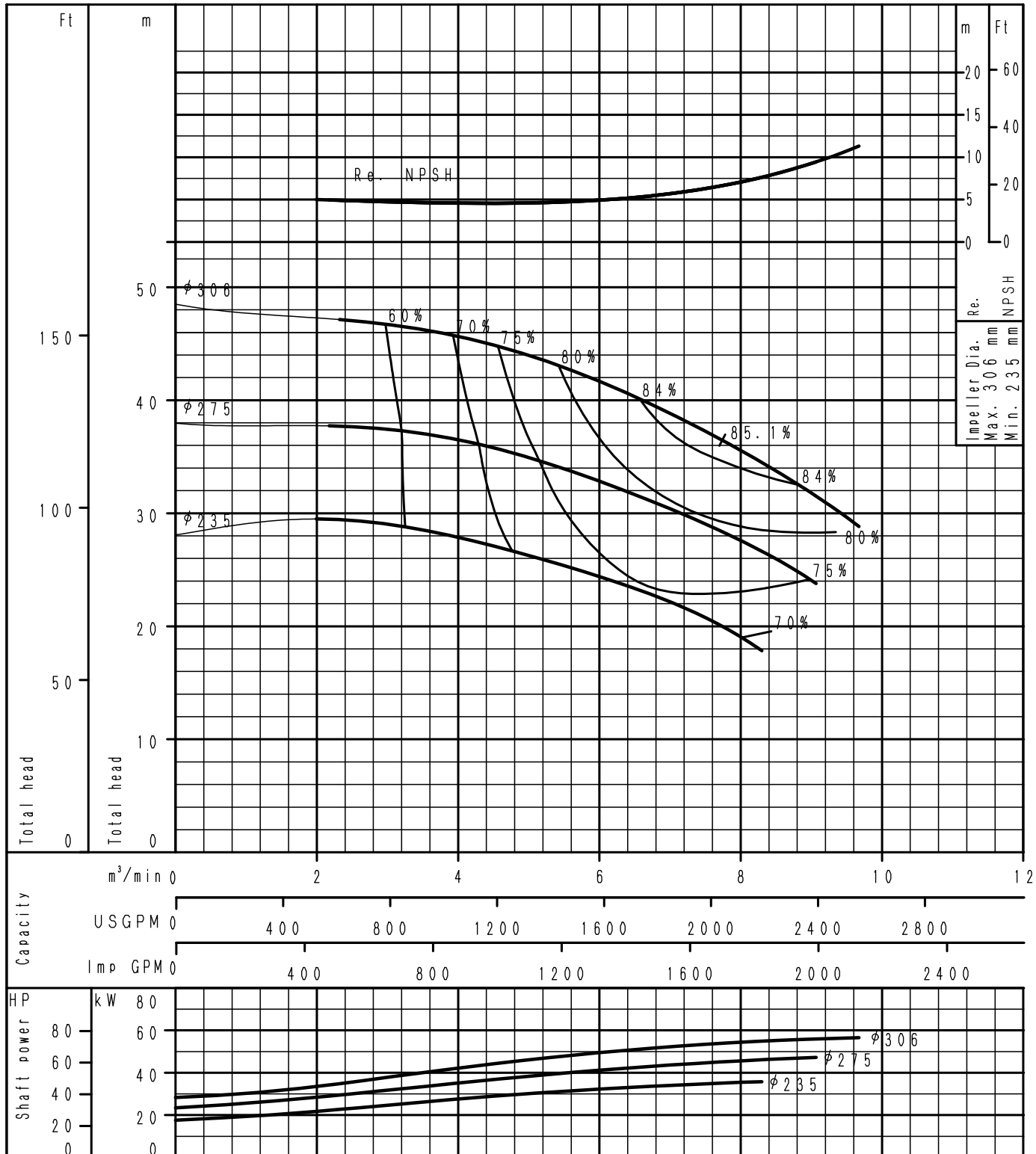
S8-1831113-00



Performance Curve

4 Poles

250X150CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

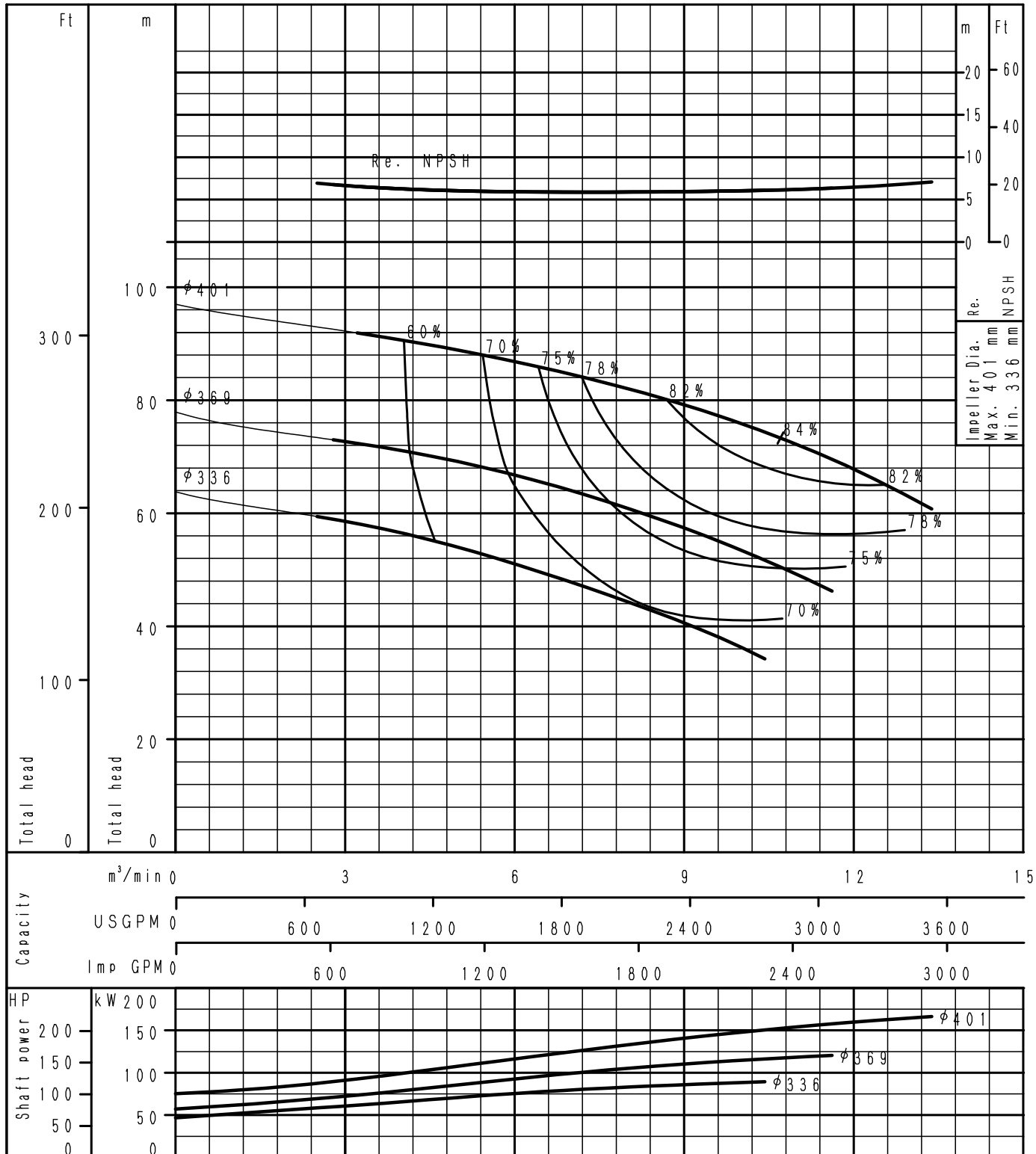


S8-1831131-00

Performance Curve

4 Poles

250X150CBJ	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

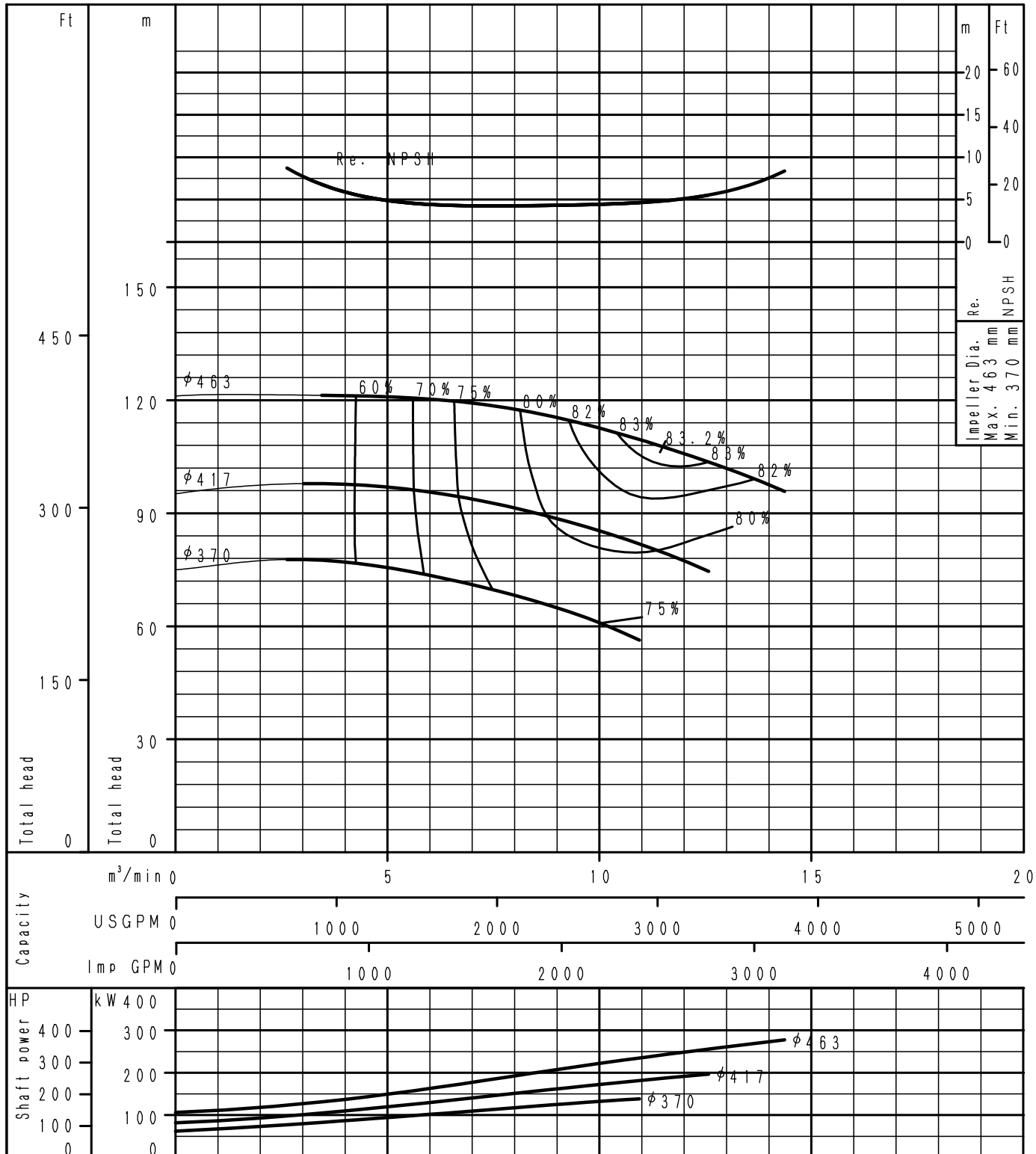


S8-1831142-00

Performance Curve

4 Poles

250X150CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

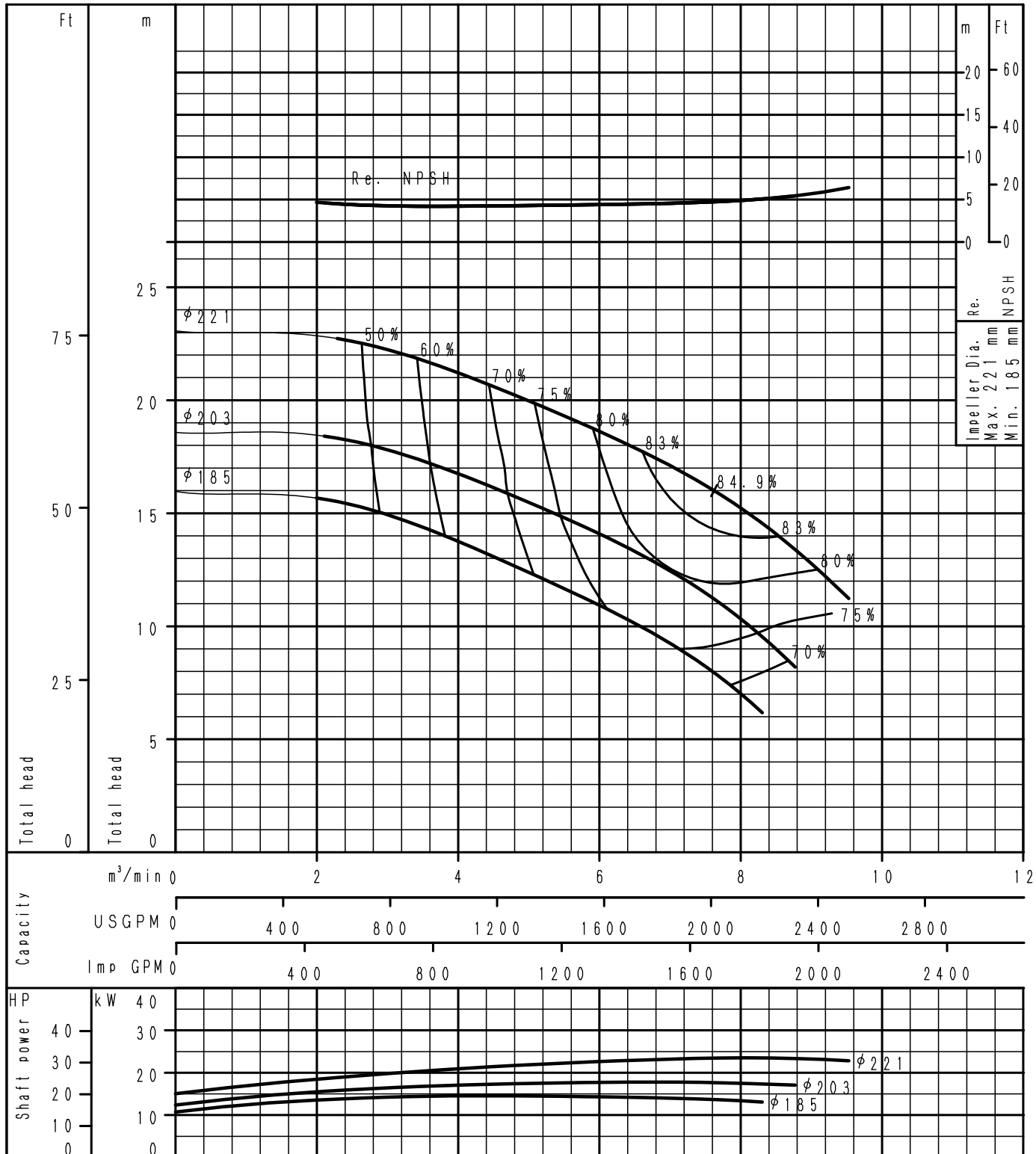


S8-1831151-00

Performance Curve

4 Poles

250X200CBF	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



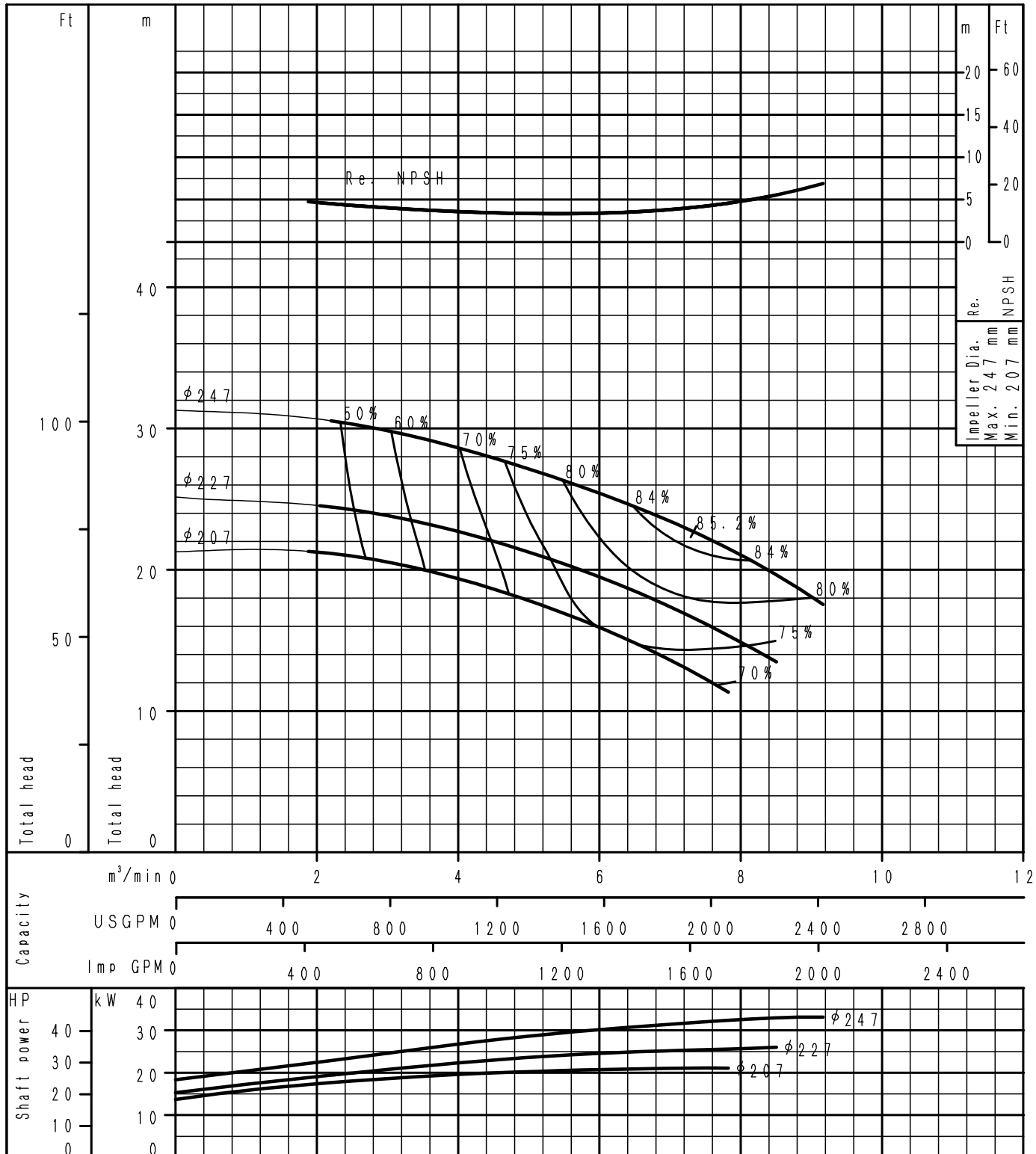
S8-1831114-00



Performance Curve

4 Poles

250X200CBGX	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1765 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



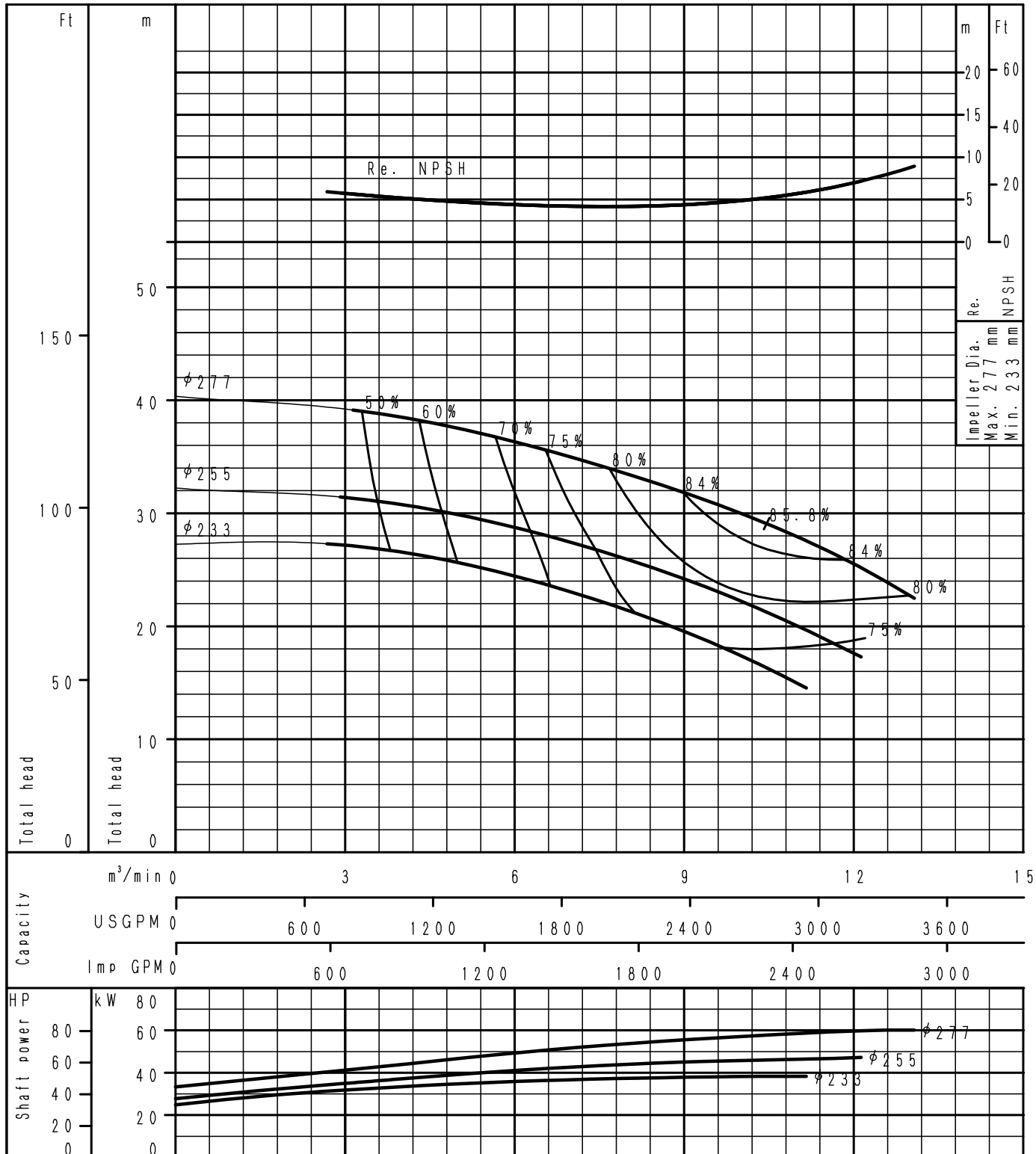
S8-1831122-00



Performance Curve

4 Poles

250X200CBGY	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



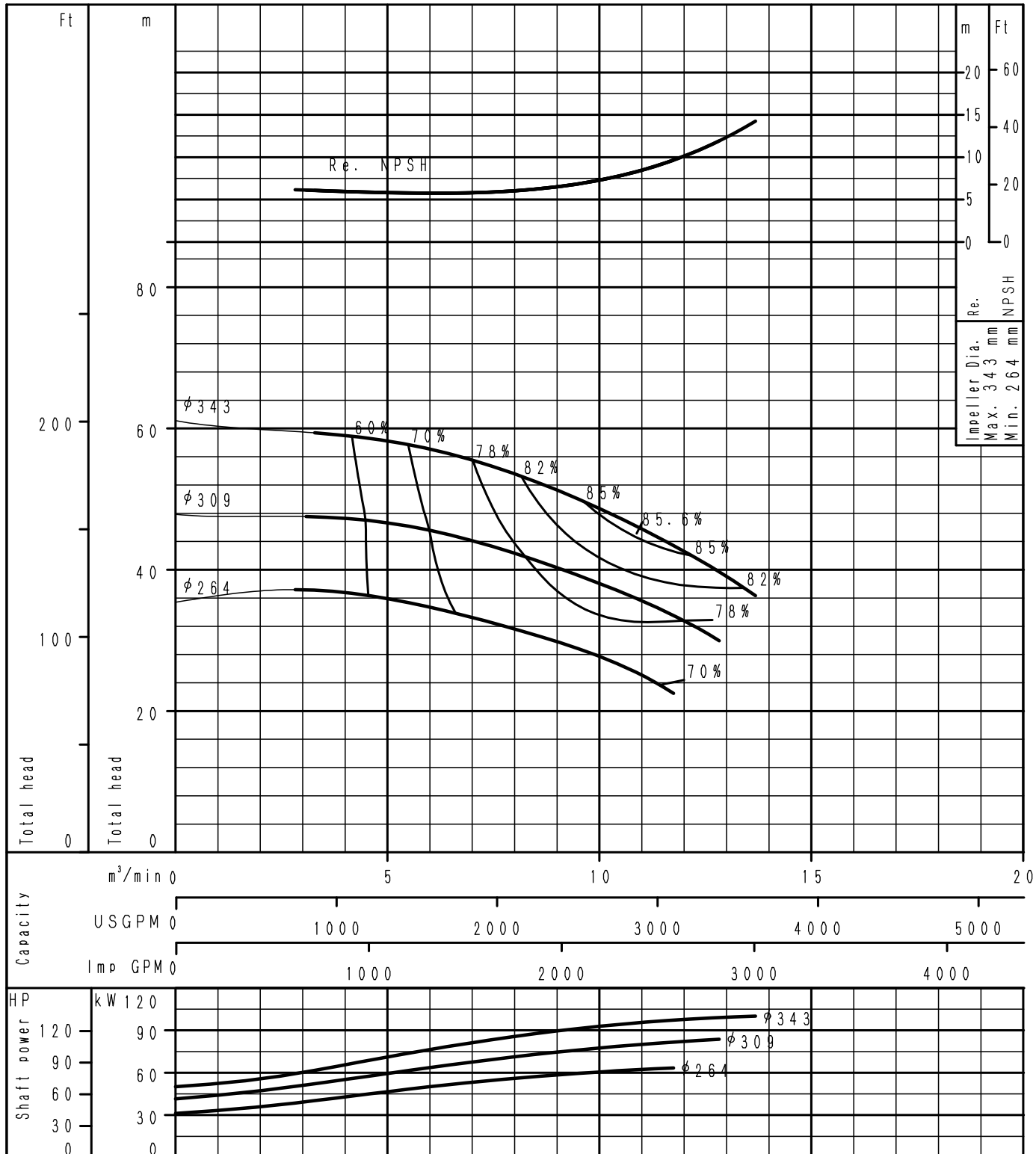
S8-1831123-00



Performance Curve

4 Poles

250X200CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

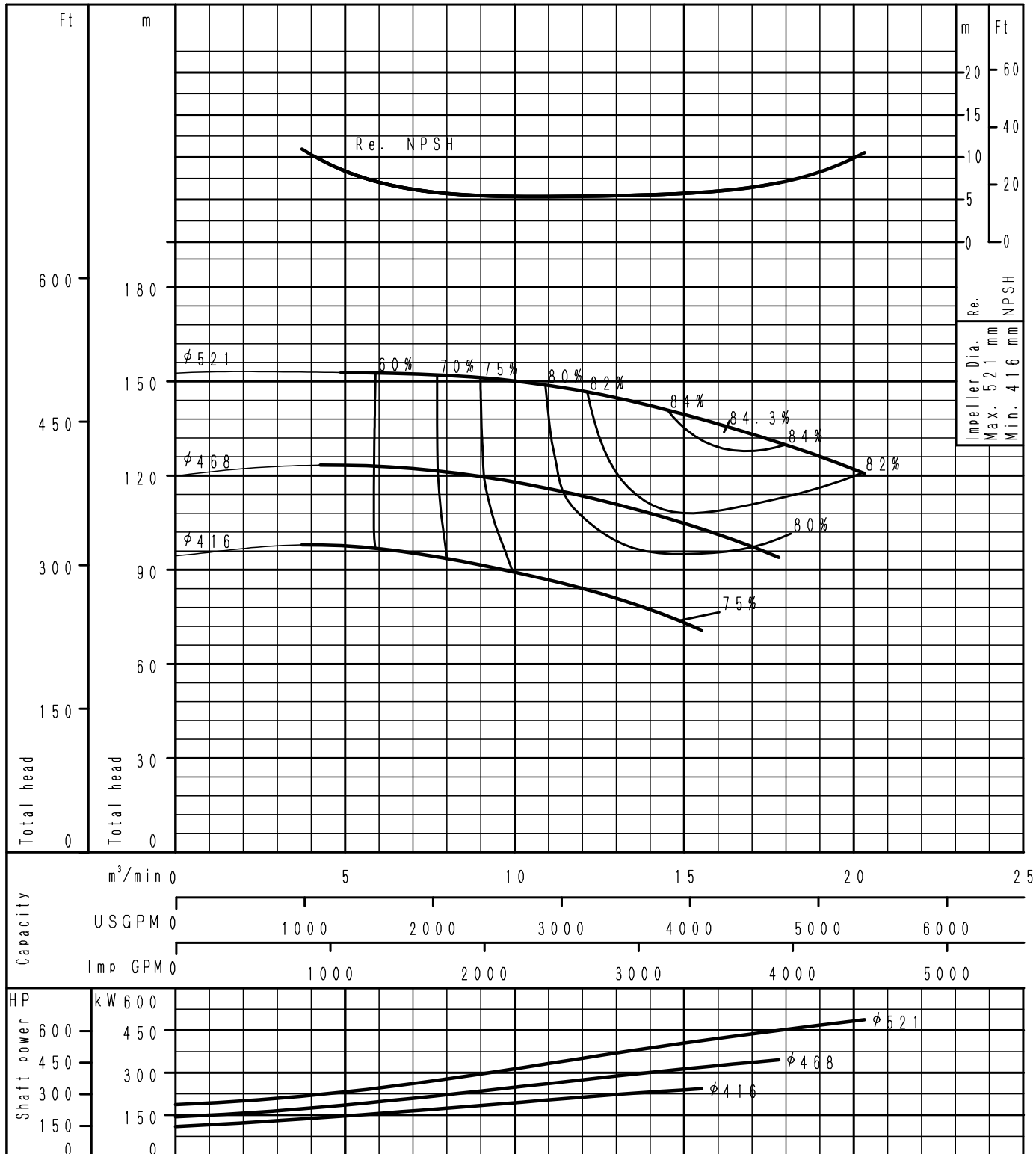


S8-1831132-00

Performance Curve

4 Poles

300X150CBK	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

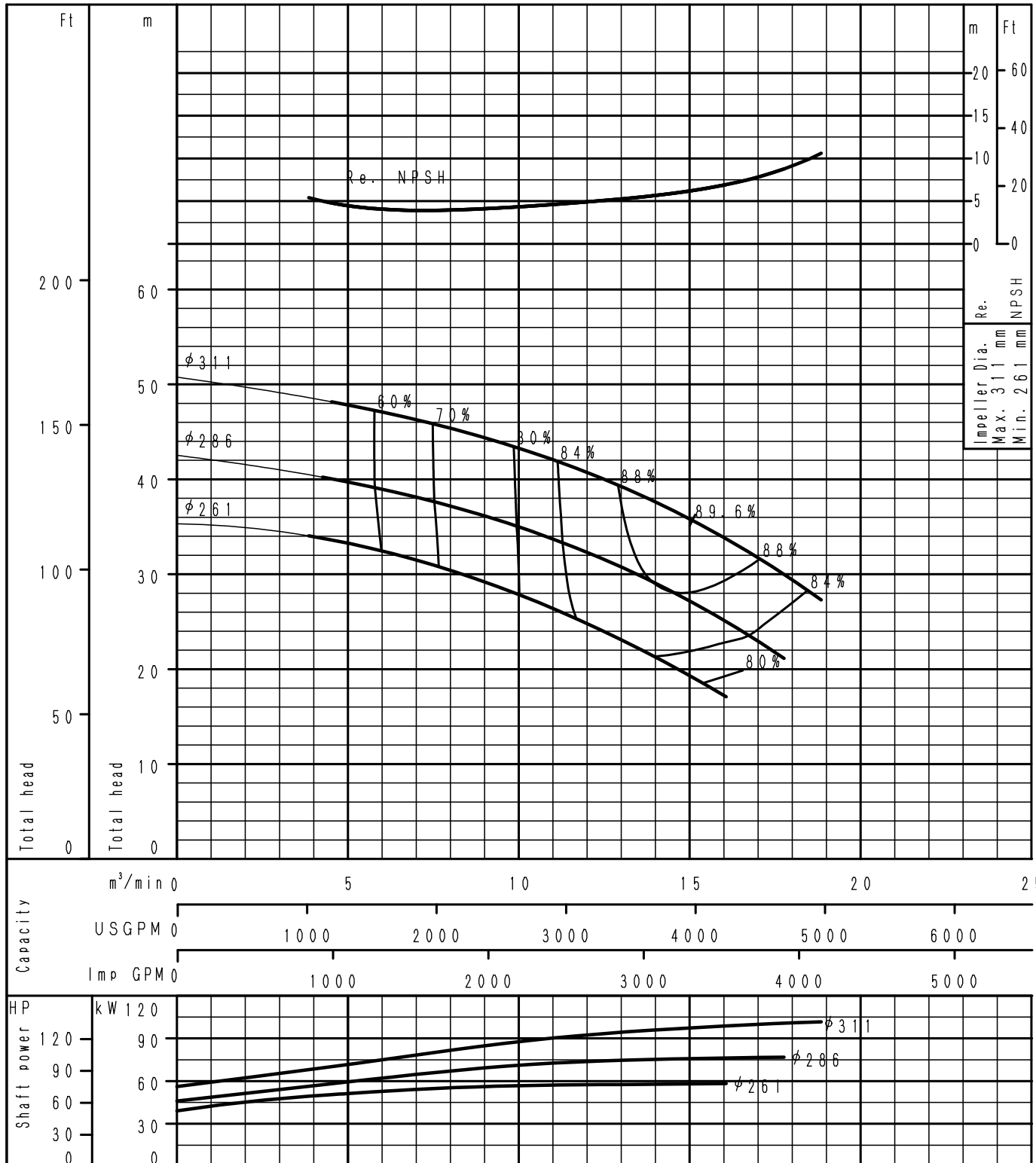


S8-1831152-00

Performance Curve

4 Poles

300X200CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

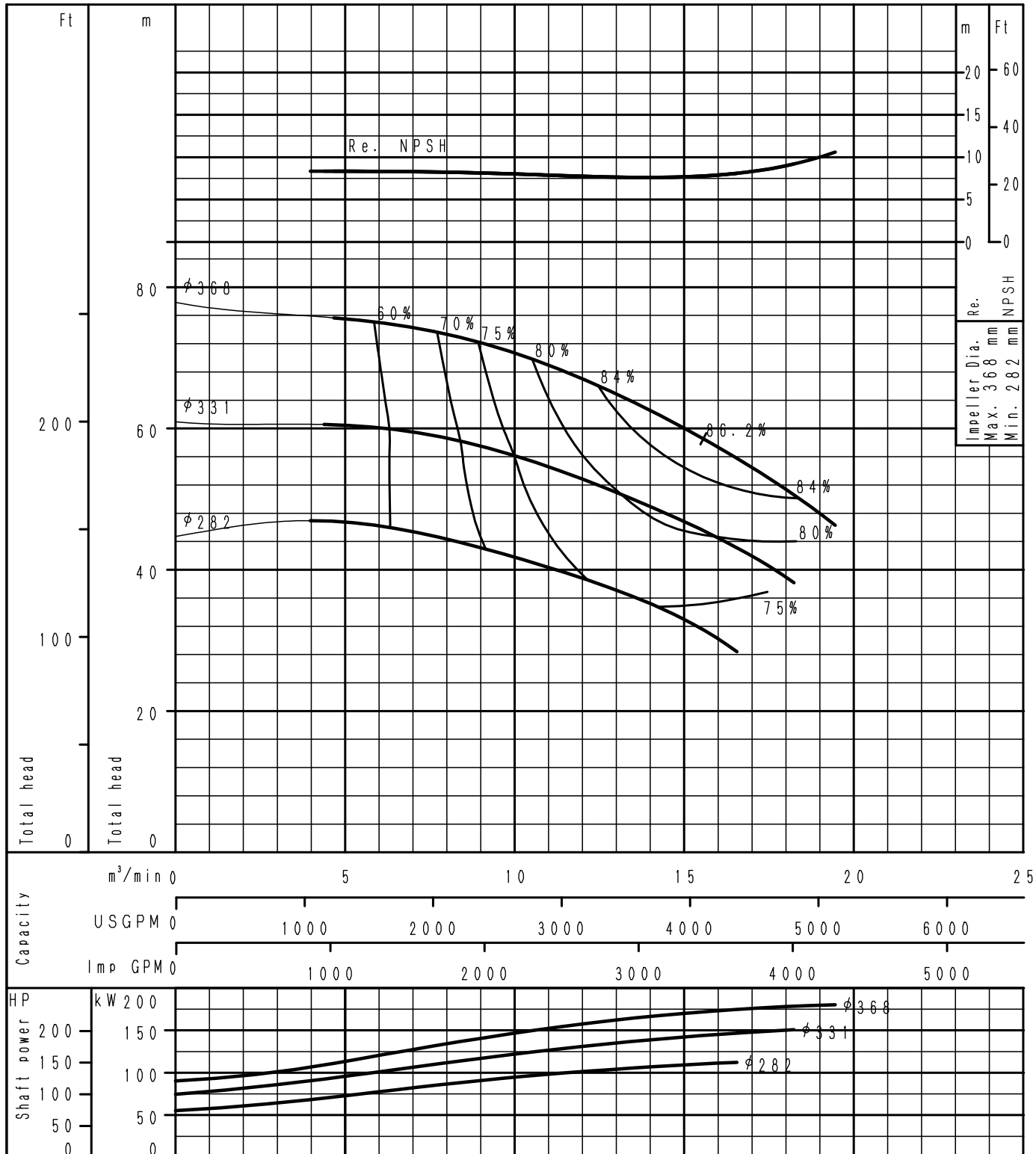


S8-1831124-00

Performance Curve

4 Poles

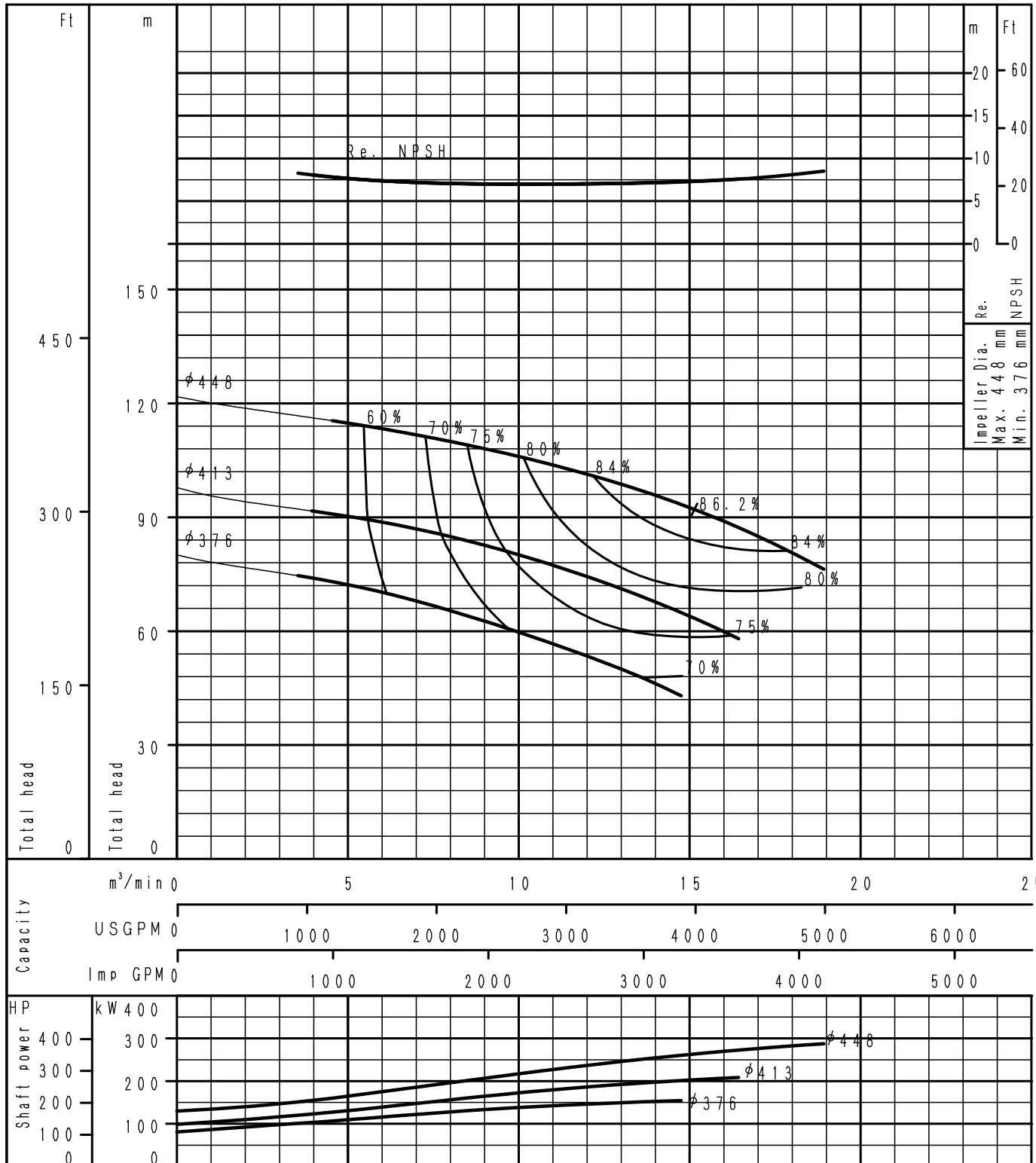
300X200CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



Performance Curve

4 Poles

300X200CBJX	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



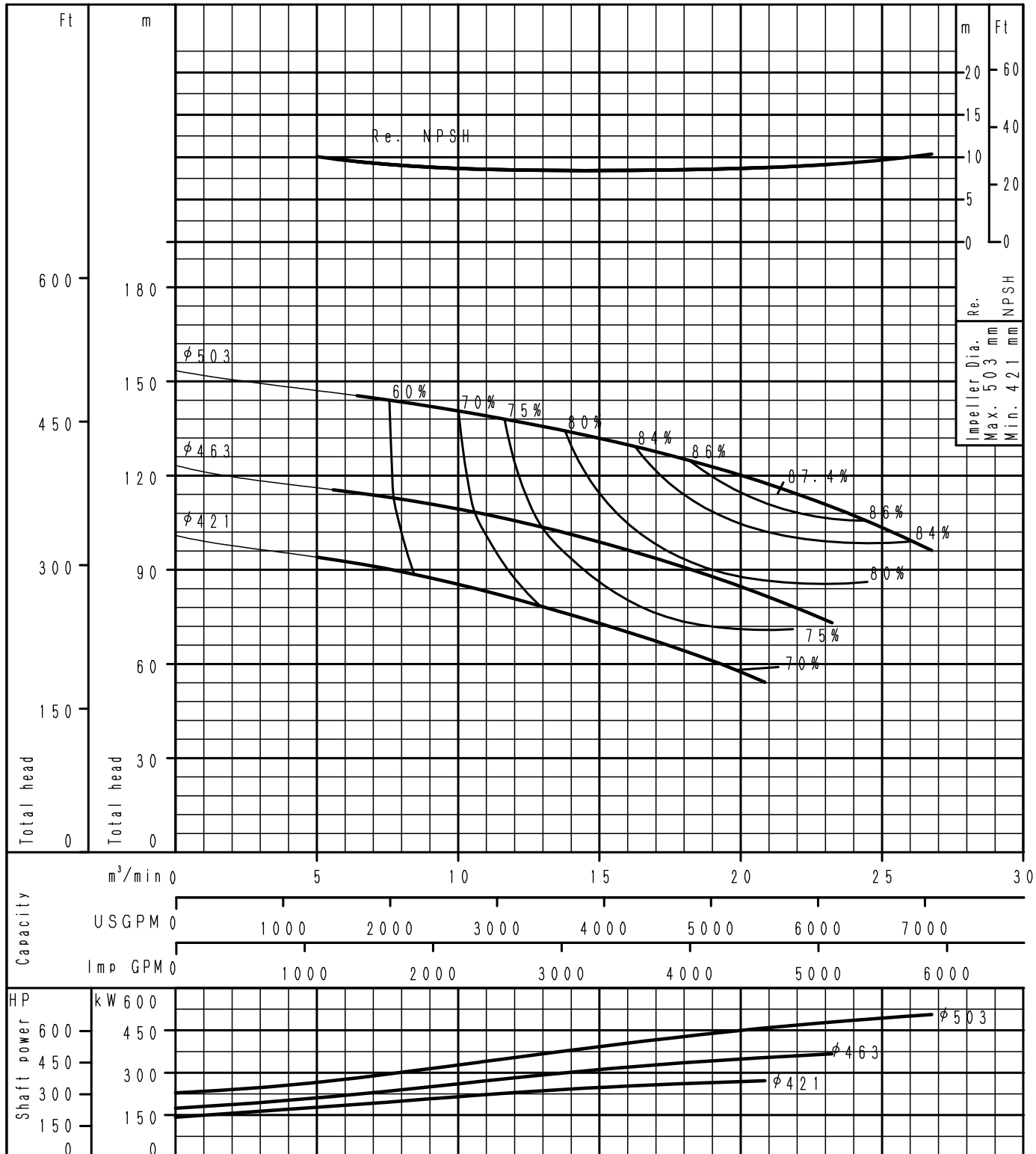
S8-1831143-00



Performance Curve

4 Poles

300X200CBJY	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



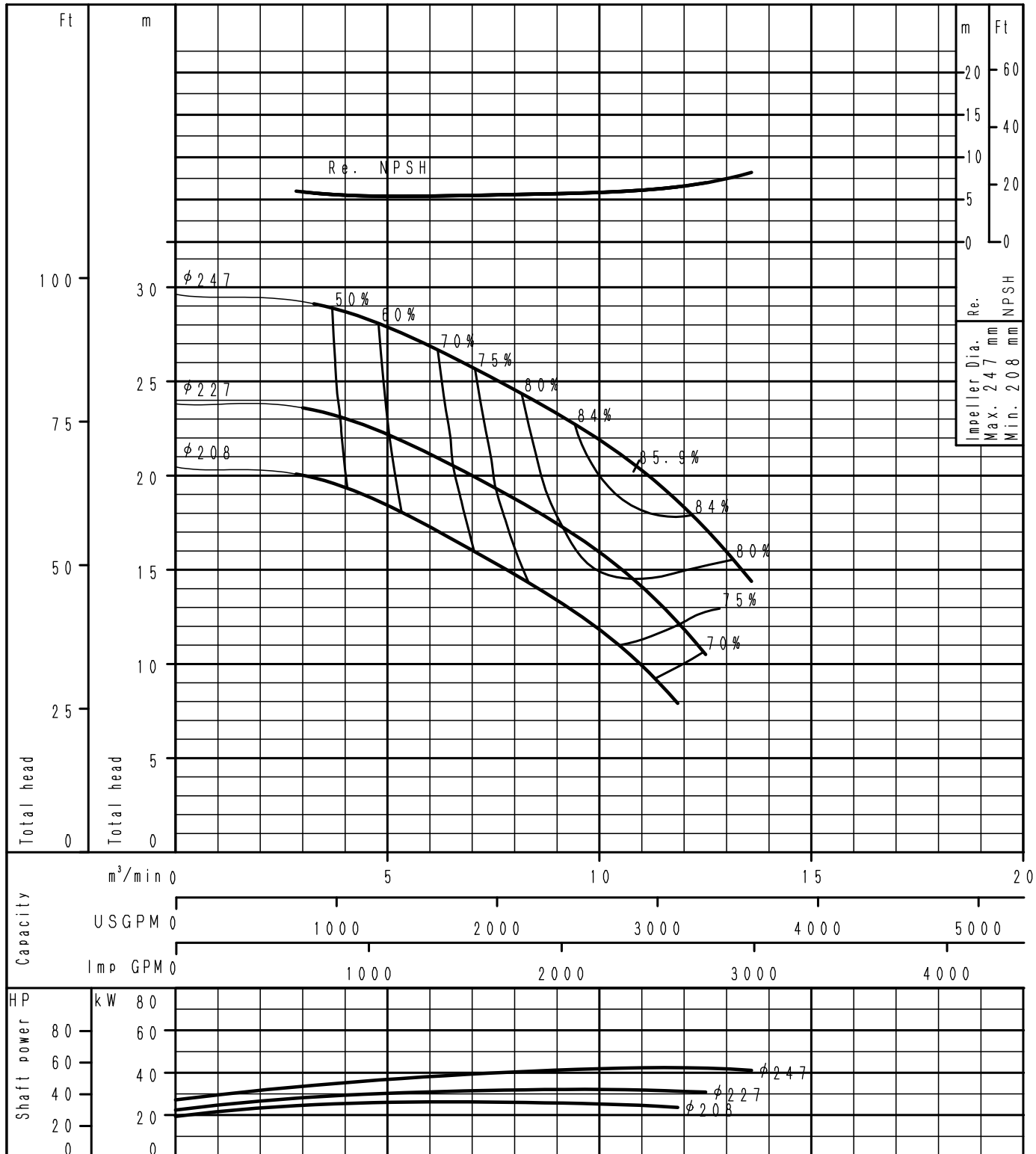
S8-1831144-00



Performance Curve

4 Poles

300X250CBFX	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY= 1.0 kg/l, VISCOSITY=1.0 mPa·s



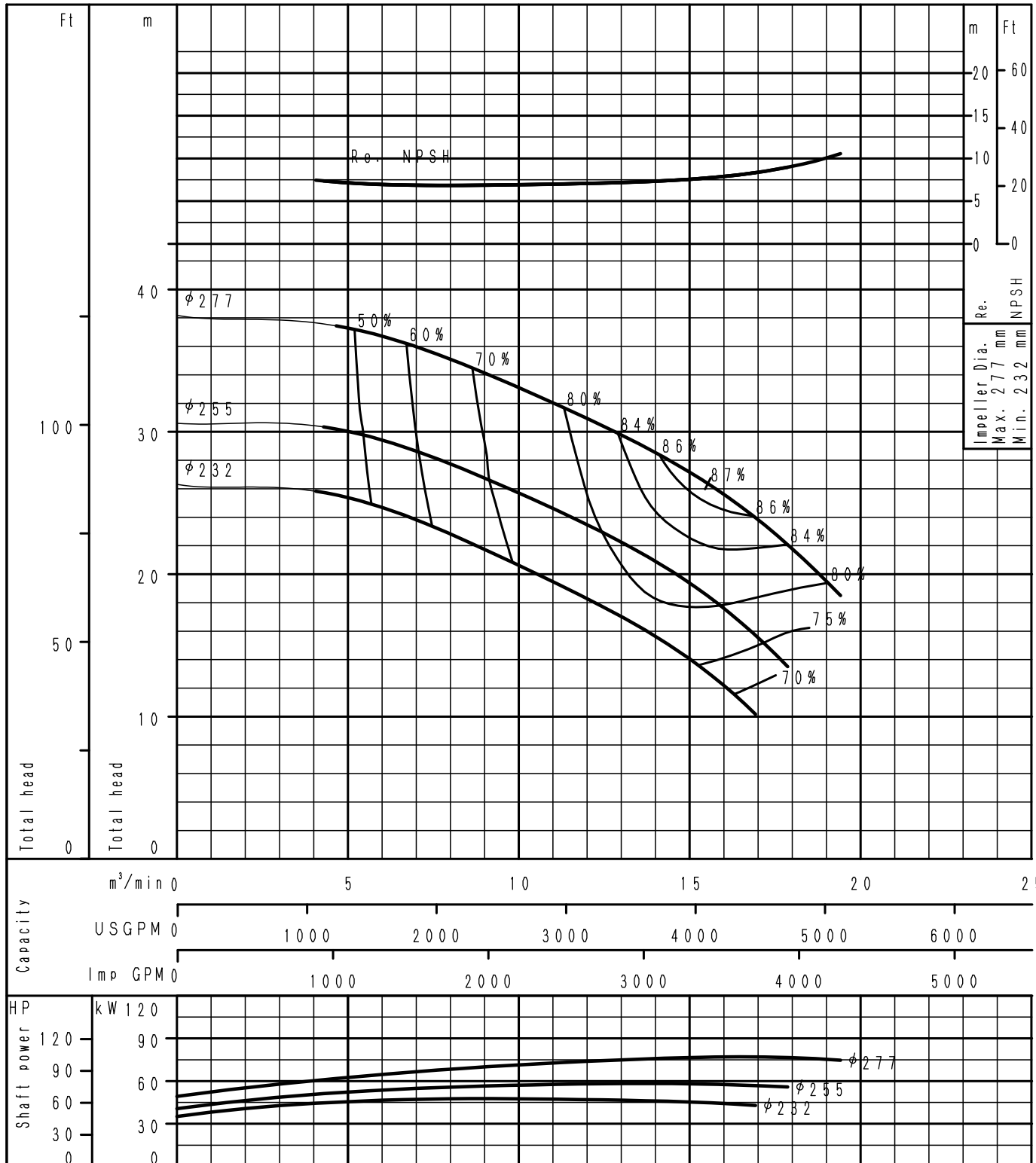
S8-1831115-00



Performance Curve

4 Poles

300X250CBFY	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1780 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



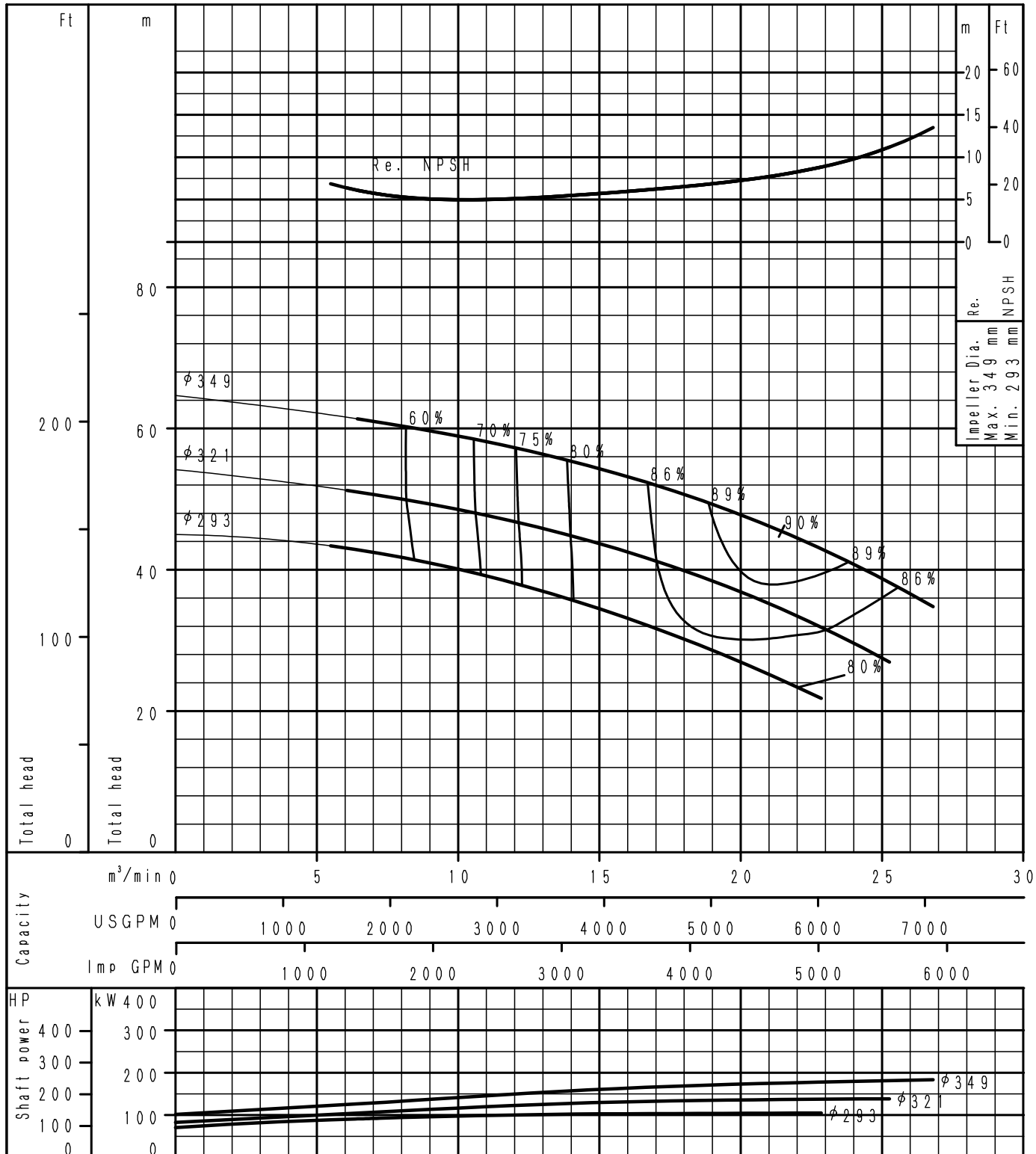
S8-1831116-00



Performance Curve

4 Poles

300X250CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



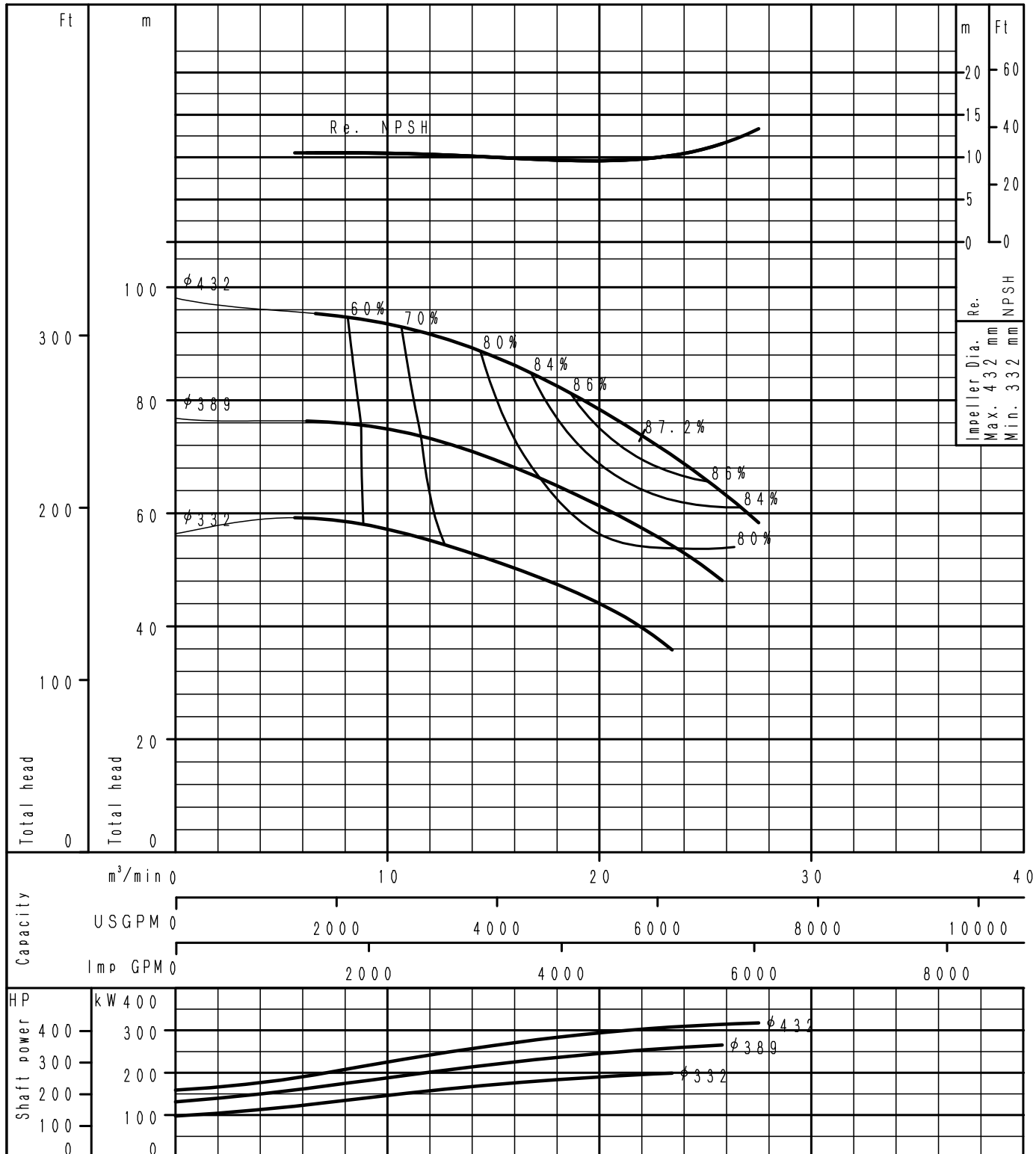
S8-1831125-00



Performance Curve

4 Poles

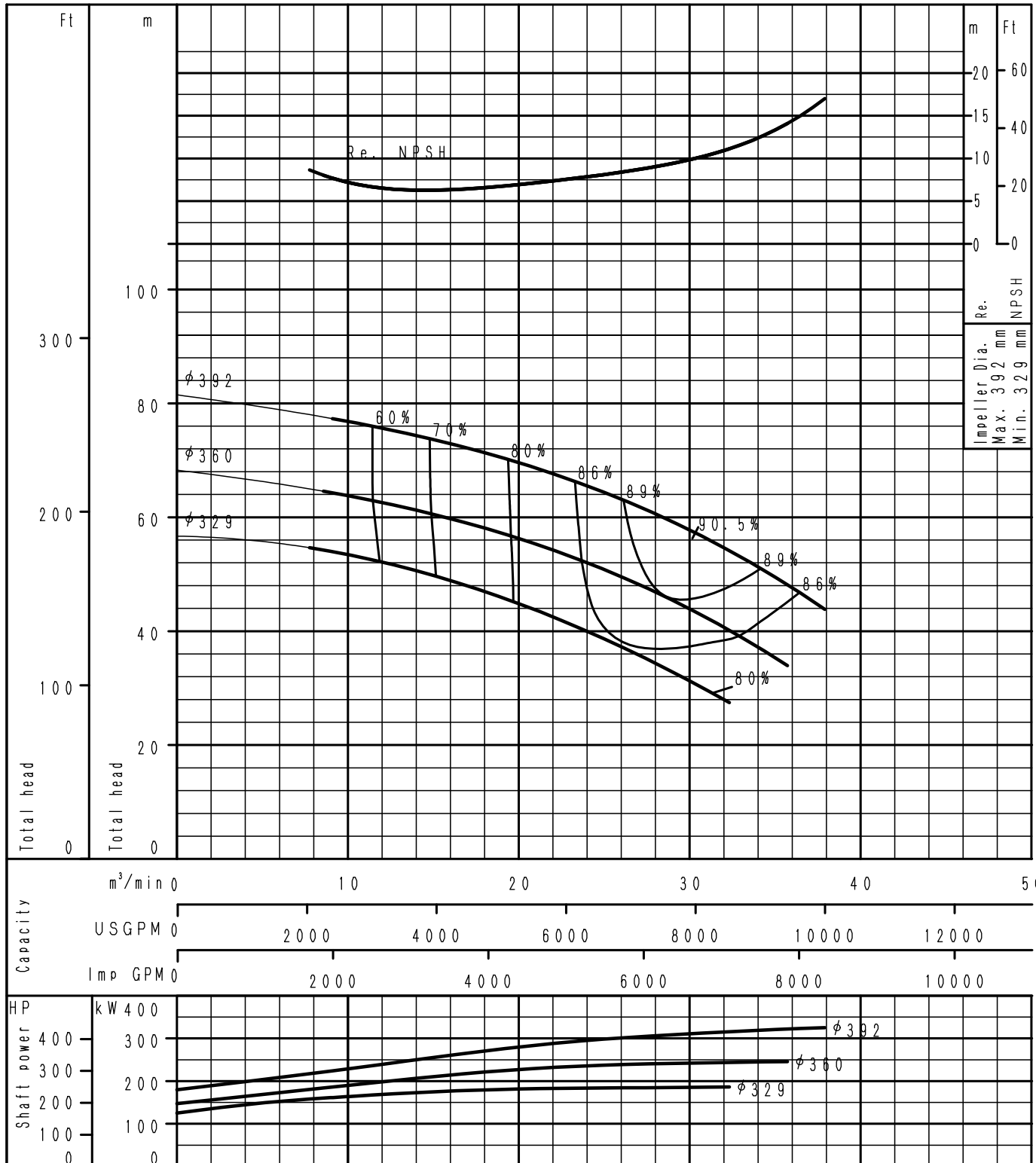
300X250CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



Performance Curve

4 Poles

350X250CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



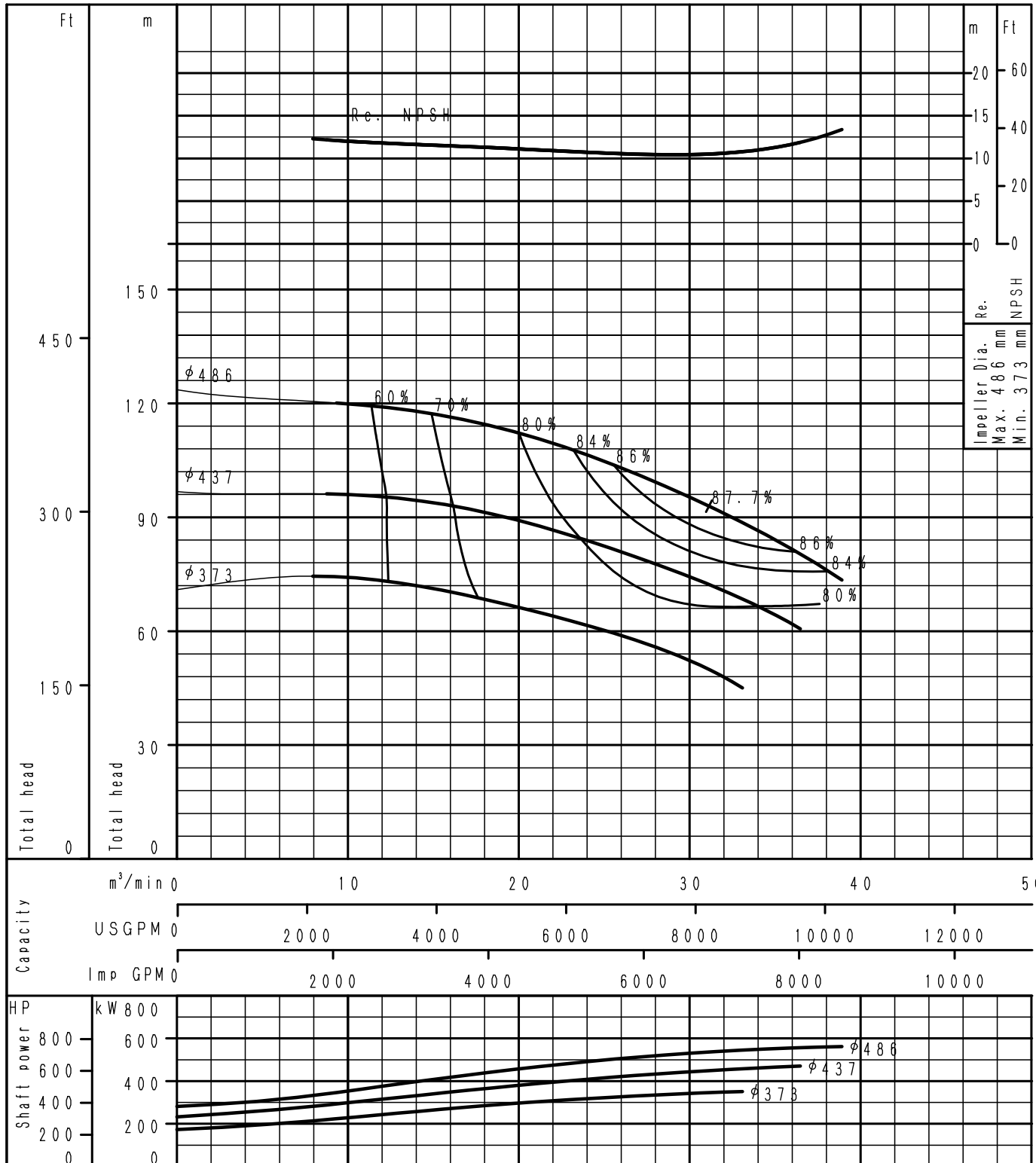
S8-1831126-00



Performance Curve

4 Poles

350X250CBH	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



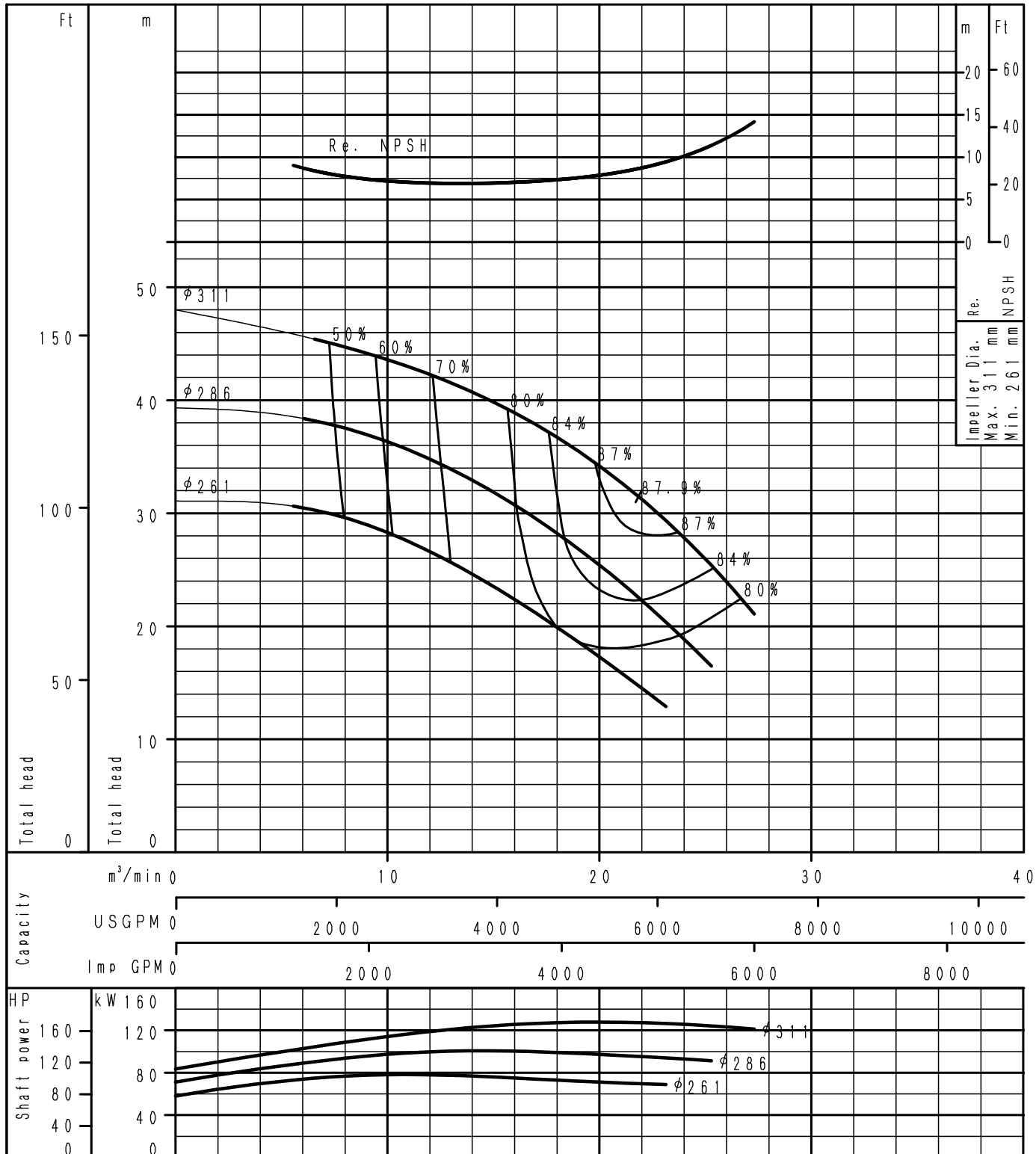
S8-1831135-00



Performance Curve

4 Poles

350X300CBF	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

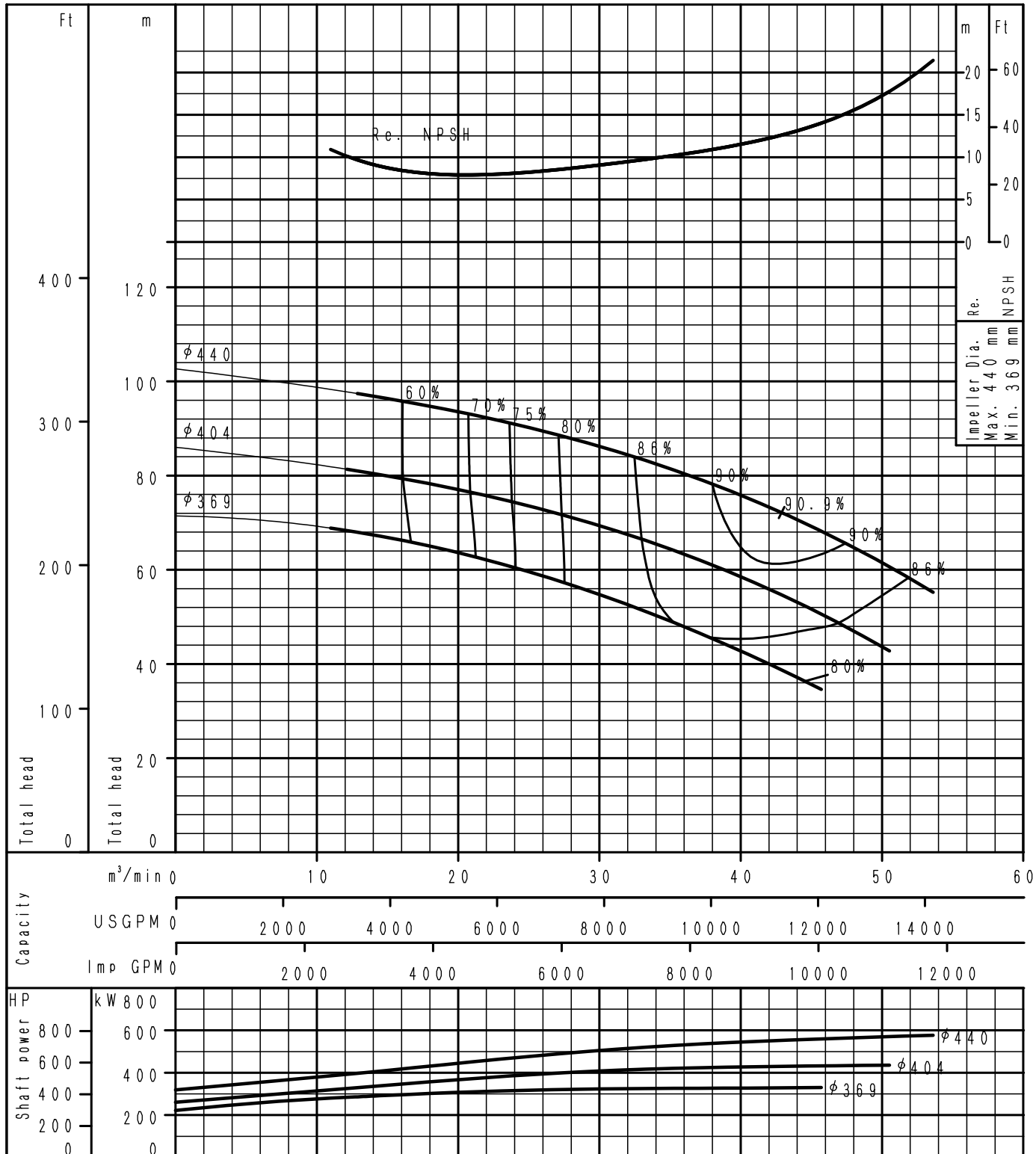


S8-1831117-00

Performance Curve

4 Poles

400X300CBG	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s

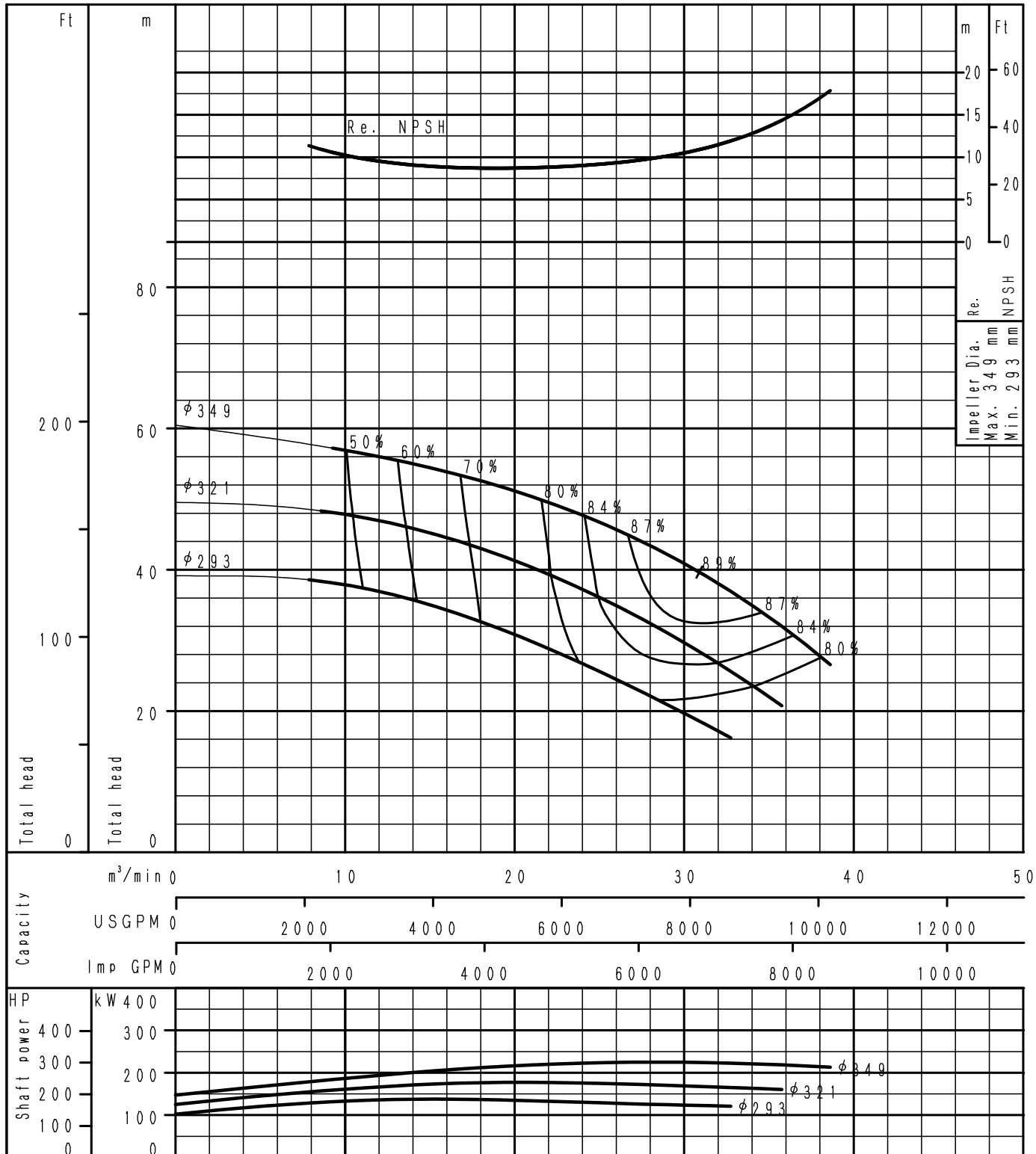


S8-1831127-00

Performance Curve

4 Poles

400X350CBF	According to ISO testing code 9906 Grade 2B Class 2
60 Hz (Speed 1790 min ⁻¹)	DENSITY=1.0 kg/l, VISCOSITY=1.0 mPa·s



S8-1831118-00

