SERIES

BP

IMBIL®

Pumping Solutions

INTRODUCTION

This catalog describes the pump models of the BP line manufactured by IMBIL and includes technical information on construction techniques and characteristic curves of each model. IMBIL and its representatives are always at your service to provide you with any further information and technical assistance.

NOTES

We reserve the right to make any modifications that we deem necessary or required to our products at any time without entailing any obligations of any nature.
The illustrations in the catalog are indicative only, should any doubts related to interpretation arise, please consult an authorized representative.

Bombas BP

Split Case

IMBIL Pumping Solutions

APPLICATION

BP Pump Series is recommended for Water supply, Large irrigation areas, Draining, Fire fighting, Liquid cooling in Chemical, Petrochemical, Pulp and Paper and Textile industries, among others.

CONSTRUCTION TECHNIQUES

VOLUTE

Horizontally split along the shaft providing easy access to the impeller for inspection and maintenance without the need of replacing the suction and discharge pipings. The feet and the suction and discharge flanges are integrally cast into the casing.

IMPELLERS AND WEAR RINGS

All pumps use closed impellers keyed on the shafts. The axial fixation of the impellers is made through protective sleeves and check nuts, positioned by means of locking bolts.
The pumps have replaceable wear rings in the volute case. The type and the fixation system of the wear rings vary according to the particular requirements of each pump. The larger sized pumps usually employ L-shaped wear rings and the smaller pumps usually use cylindrical wear rings.
Some BP pumps are originally equipped with replaceable wear rings, either cylindrical or flanged, which are pressed into the impellers.

SHAFTS AND SLEEVES

The shafts were designed and machined so as to secure the impellers in place and their stiffness ensures long life to the bearings and packings. In order to protect the shafts from wear, they have been fitted with protective sleeves fastened by means of check nuts.

PACKING

The stuffing boxes are very deep in order to prevent air suction. The gasket rings of graphitized asbestos of square section are normally used in all pumps, except when meeting special service conditions. The stuffing box packing glands are screwed with nuts through tap bolts fastened to the volute cases.
As a whole, the gasket boxes have a back ring and a lantern ring. When sealing liquid is used, it is usually collected in the discharge volute of the pump itself. If the pumped liquid is incompatible with the sealing function, an external source is used.
Note: On customer demand, the sealing can be made through Mechanical Seal.

BEARINGS

All pumps are supplied with heavy-duty bearings and can have a ball bearing on each side or a roller bearing on the operation side and a ball bearing on the free side, depending on the requirements of each pump. Whichever the case, the external rings of the bearings are tightened between a bearing internal step and a plug on the cover so as to prevent any axial displacements. In the pumps whose bearing brackets are integrated into the volute case, the bearings are positioned through conical pins.
The lubrication of the bearings is grease- or oil-based.

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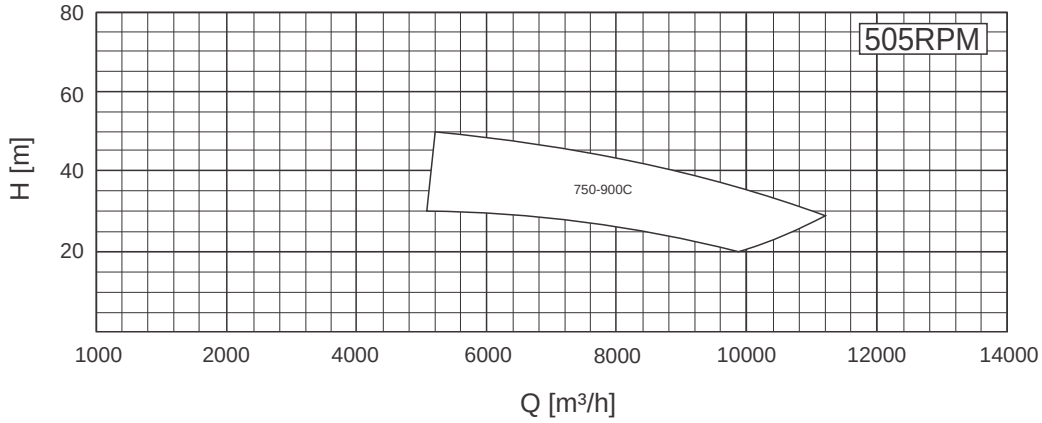
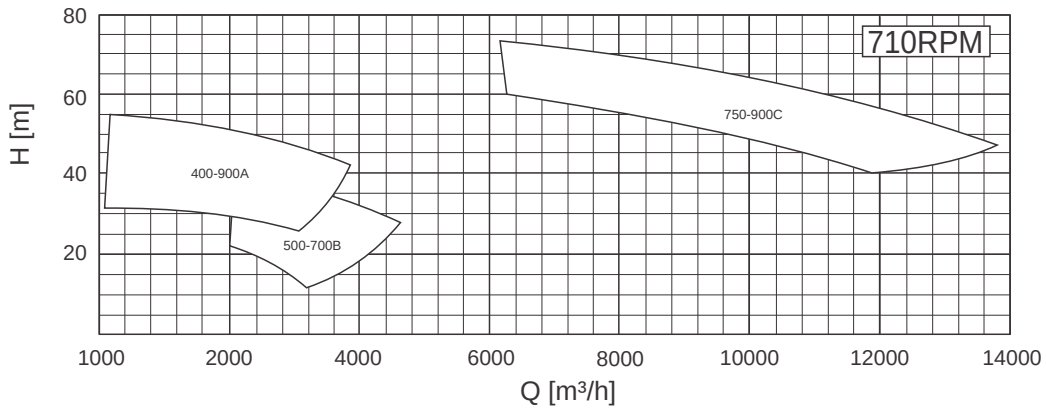
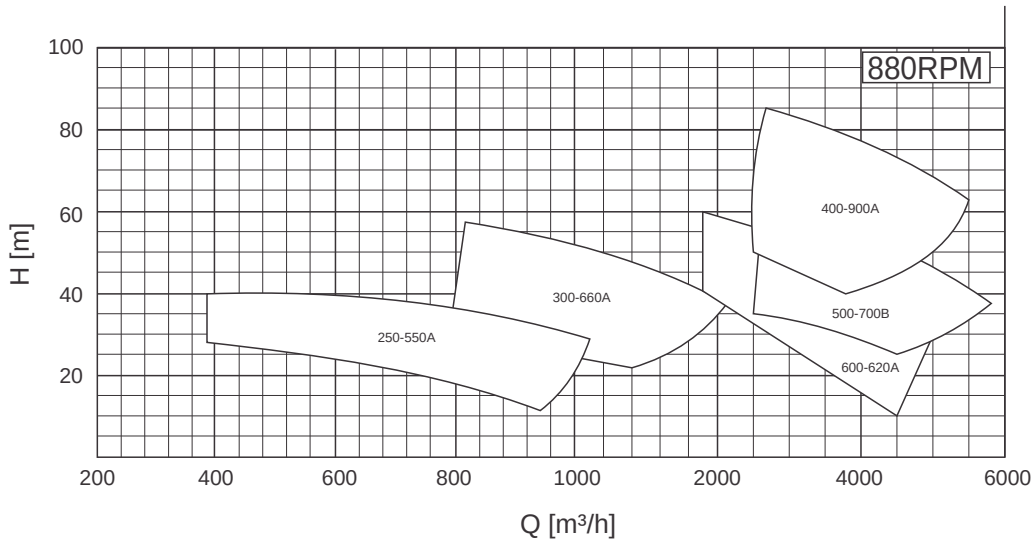
APPLICATION CHART

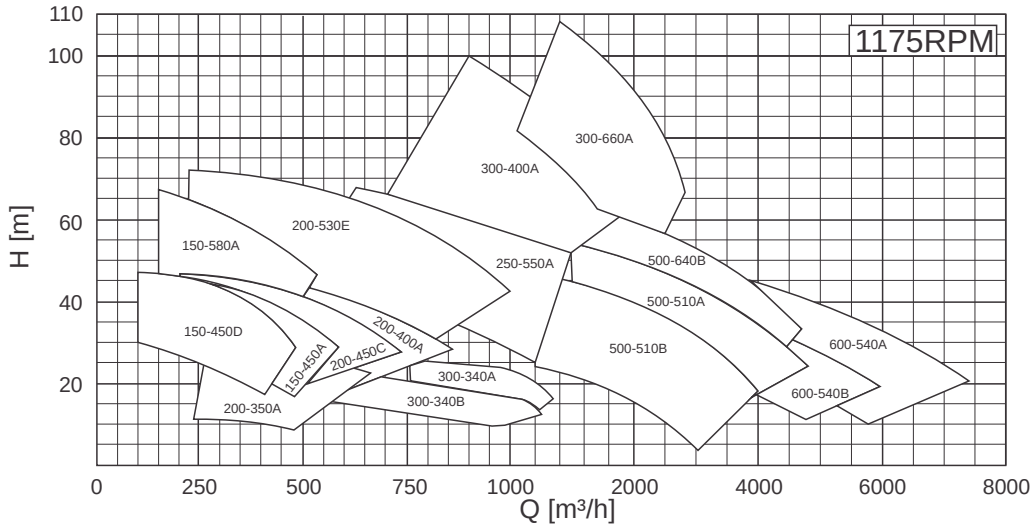


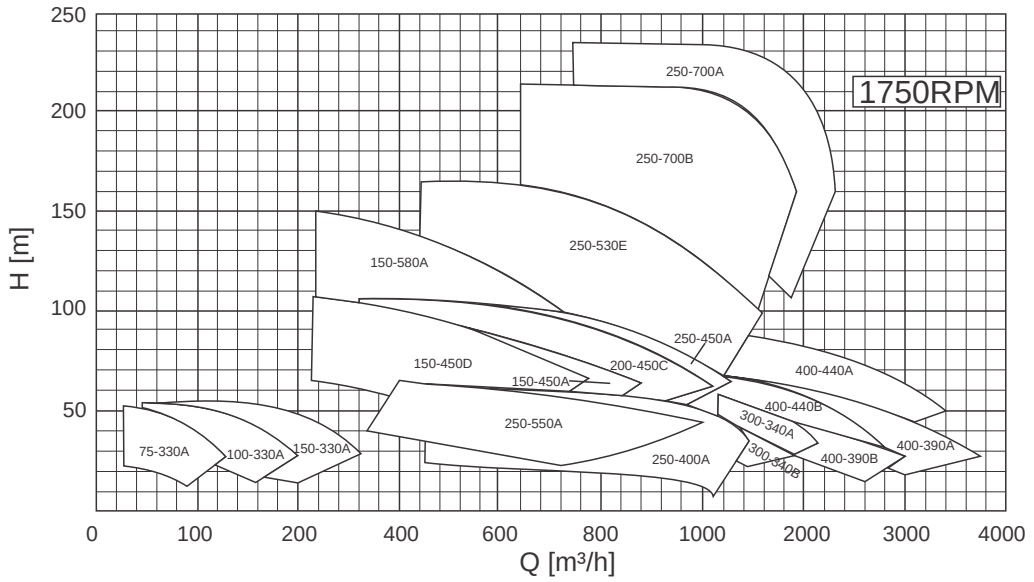


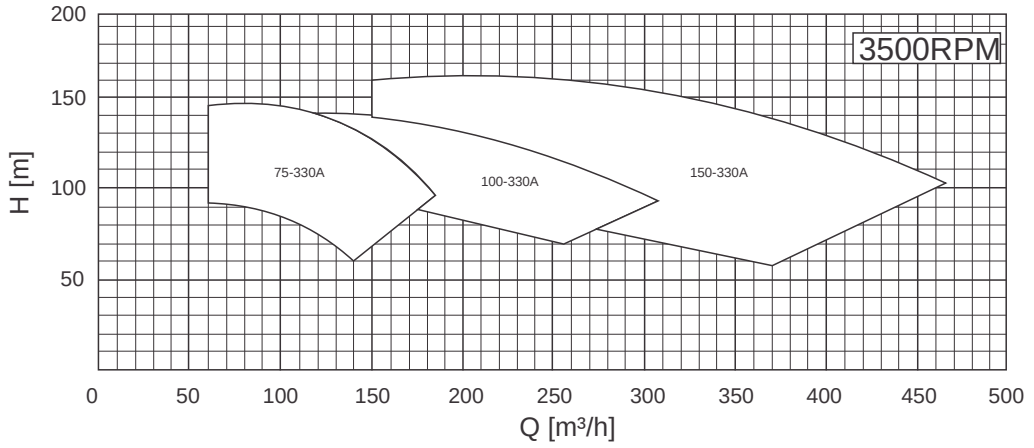


IMBIL Pumping Solutions

APPLICATION CHART







IMBIL Pumping Solutions

TECHNICAL DATA

Hydrostatic Test Pressure:
As per Hydraulic Institute

Maximum Temperature:
105ºC

Motor Driver
The driver is performed by means of elastic coupling, by Electric Motor, Combustion Engine, Turbine, etc.

Accessories
The following accessories are optionally available:
- IMBIL standard coupling or coupling meeting other manufacturers' requirements.
- IMBIL standard coupling protector.
- IMBIL standard base.

Peripheral Speed (m/s)
When determining the pump operation rotation, in addition to the maximum discharge pressure, the impeller maximum peripheral speed must also be considered as regards its construction material.

ASTM A48 CL30	40m/s
ASTM A536 65.45.12	60m/s
SAE 40	60m/s
CF 8M	80m/s

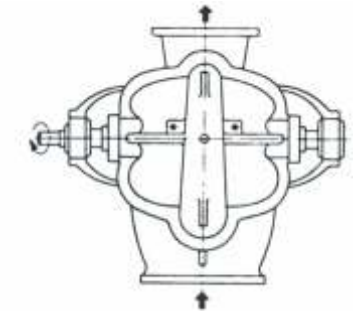
Power Reserve

Power Required by Pump	Electric motor driver power reserve
Up to 30 HP	approx. 30%
Up to 75 HP	approx. 15%
Over 75 HP	approx. 10%

For oil-based lubrication, we recommend:
Up to 3000 rpm: Castrol Hyspin AWS 68,
Over 3000 rpm Castrol Hyspin AWS 46 or similar

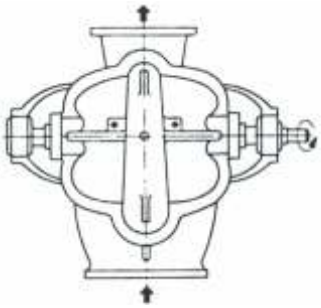
For grease-based lubrication, we recommend:
Castrol LM 2 or similar

Rotation Direction
Since the pump may be coupled from any extremities, the rotation direction may be clockwise or anti-clockwise. The shaft may be inverted without requiring any special adaptation.



Clockwise rotation

Anti-clockwise rotation



IMBIL Pumping Solutions

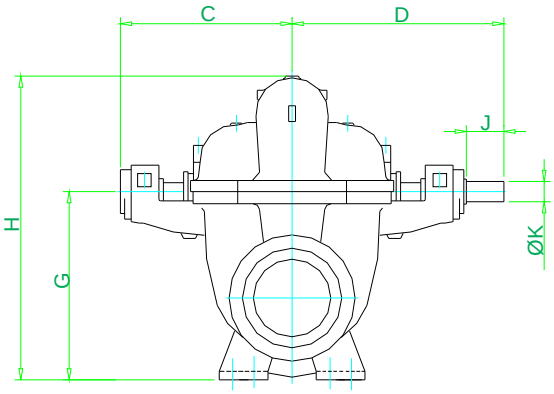
TECHNICAL DATA

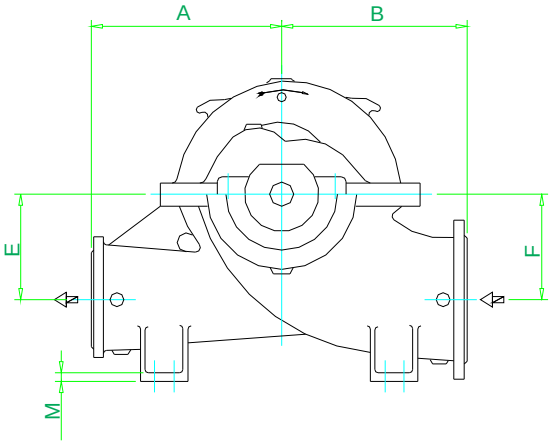
Data	UNIT	Models																			
		75-330 A	100-330 A	150-330 A	150-450 A	150-450 D	150-580 A	200-350 A	200-450 A	200-340 C	200-530 E	250-400 A	250-550 A	250-700 A	250-700 B	300-340 A	300-340 B
Impeller opening	mm	21	30	37	35	33	24	70	52	47	50	81	69	50	41	80	84
Double Volute					X	X	X				X						
Maximum Rotation	rpm	3500	3500	3500	1750	1750	1750	1775	1750	1775	1775	1750	1750	1750	1750	1750	1750
GD² with water	kg.m²	1,35	1,32	1,82	6,25	6,25	8,84	3,38	8,40	8,40	18,20	3,60	1,82	10,00	10,00	3,00	3,00
Weight	kg	190	285	341	595	595	645	580	701	701	961	540	900	1317	1317	785	785
Minimum Flow 1160 rpm	m³/h	-	-	-	270	193	265	315	442	300	580	-	600	-	-	300	256
Minimum Flow 1750 rpm	m³/h	55	83	144	400	300	400	480	680	454	910	890	900	1000	900	720	624
Minimum Flow 3500 rpm	m³/h	87	138	234	-	-	-	-	-	-	-	-	-	-	-	-	-
Maximum Flow		See Characteristic Curve															
Flanges		ANSI B16.1 125 Lb FF ou 250Lb FF														DIN 2532 PN 10	
Bearings	Free Side	6405	6407		6211		6213	6310	6212	6212	6315	6309	6313	7217B(2x)		6314	
(clearance C3)	Coupling Side	6307	6309		6211		6213	6310	6212	6212	NU315	6211	6313	22217C		6314	
Gasket	pol	7/16"	1/2"				5/8"					1/2"				5/8"	

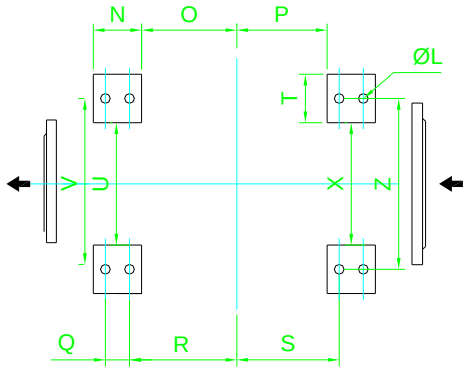
Dados	Unit	Modelos																			
		300-400 A	300-660 A	400-390 A	400-390 B	400-440 A	400-440 B	400-900 A	500-510 A	500-510 B	500-640 A	500-640 B	500-700 B	600-620 A	600-540 A	600-540 B	750-1000 C
Impeller opening	mm	60	80	112	110	93	110		140	105	100	108	175	196	153	143	
Double Volute																	
Maximum Rotation	rpm	1750	1175	1750	1750	1750	1750	1180	1160	1160	1160	1160	880	880	1160	1160	710
GD² with water	kg.m²	4,97	50,40	6,25	6,25	9,42	9,42	187,20	19,50	19,50	41,40	41,40	75,80	43,00	29,10	29,10	400,40
Weight	kg	926	2090	1078	1078	1374	1374	3460	1528	1528	2301	2301	3800	5900	2725	2725	7900
Minimum Flow 710 rpm	m³/h	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6000
Minimum Flow 880 rpm	m³/h	-	-	-	-	-	-	-	-	-	-	-	2400	2600	-	-	-
Minimum Flow 1160 rpm	m³/h	-	1200	-	-	-	-	2500	1548	1180	1680	1440	-	-	2320	1900	-
Minimum Flow 1750 rpm	m³/h	900	-	1172	980	1160	904	-	-	-	-	-	-	-	-	-	-
Minimum Flow 3500 rpm	m³/h	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maximum Flow		See Characteristic Curve															
Flanges		DIN 2532 PN 10															
Bearings	Free Side	6314 U	6319	6314U		6316U		6224	6316U		6320		6319	6322	6320		22228C
(clearance C3)	Coupling Side	NU314	6319	NU314		NU316		6224	NU316		NU320		6319	NU322	NU320		22228C
Gasket	mm	5/8"	3/4"	1/2"		3/4"			5/8"		3/4"			1/2"	5/8"		3/4"

IMBIL Pumping Solutions

MAIN DIMENSIONS







Model	Flange		Dimension									
	Suction	Discharge	A	B	C	D	E	F	G	H	J	ØK
75-330	100	75	279	293	326	429	191	153	253	483	106	34,8
100-330	150	100	308	333	400	530	195	165	280	490	91	43
150-330	200	150	358	380	400	530	235	211	338	568	91	43
150-450	250	150	419	457	505	621	254	254	408	718	143	54,8
150-580	250	150	508	530	505	665	356	356	508	883	156	63,5
200-350	305	203	400	483	481	616	254	254	425	711	184	49,5
200-450	300	200	419	559	532	663	279	279	457	768	128	54,8
200-530	350	200	508	559	568	740	305	305	521	883	175	73
250-400	300	250	356	457	448	553	267	267	533	853	115	55
250-550	355	254	495	635	580	743	355	355	572	912	169	63,5
250-700	350	250	495	675	560	764	445	445	650	1153	205	80
300-340	350	300	500	650	586	741	330	330	640	1040	155	70
300-400	350	300	650	550	575	720	325	325	600	985	145	70
300-660	457	305	635	838	733	967	419	419	673	1162	216	93,6
400-390	500	400	460	680	680	860	370	370	730	1180	160	65
400-440	500	400	650	700	685	905	390	390	750	1210	180	75
400-900	609	406	813	965	768	994	558	558	927	1578	203	115,8
500-510	600	500	550	850	820	905	475	475	900	1460	180	75
500-640	600	500	800	850	890	1117	495	495	920	1520	206	95
500-700	609	508	813	940	784	1016	546	546	902	1483	237	92
600-540	700	600	900	1100	885	1080	610	610	1100	1850	180	75
600-620	1060	867	916	1076	841	1023	583	544	1135	1766	193,5	105
750-1000	914	762	1219	1321	1016	1219	813	813	1321	2146	283	139,7

Model	Dimension												
	ØL	M	N	O	P	Q	R	S	T	U	V	X	Z
75-330	22	24	110	65	65	-	118	118	-	-	178	-	178
100-330	22	24	110	80	80	-	127	127	104	144	305	144	305
150-330	22	24	125	90	90	-	153	153	-	-	356	-	356
150-450	28,6	32	114	172	172	-	229	229	114	356	458	356	458
150-580	28,6	38	127	190	190	-	254	254	127	330	458	330	458
200-350	28,6	28,6	114	172	172	-	229	229	114	356	458	356	458
200-450	28,6	32	114	172	172	-	229	229	114	432	534	432	561
200-530	32	51	127	190	190	-	254	254	127	483	610	483	610
250-400	22	25	124	105	105	-	170	172	-	-	342	-	342
250-550	32	32	127	211	241	-	229	229	143	457	584	457	584
250-700	32	30	130	240	240	-	305	305	65	520	584	520	584
300-340	33	30	180	170	270	-	260	360	150	240	440	380	580
300-400	26	30	200	250	170	-	356	270	160	420	620	240	440
300-660	35	44	152	280	280	-	356	356	152	712	864	712	864
400-390	33	30	180	140	240	-	230	330	150	300	500	600	800
400-440	33	30	180	300	300	-	390	390	150	300	500	600	800
400-900	41	51	203	406,5	406,5	-	508	508	203	813	1016	813	1016
500-510	33	35	300	100	250	150	175	325	200	400	640	700	940
500-640	33	35	300	300	300	150	375	375	200	400	640	700	94
500-700	35	51	203	279,5	279,5	-	457	457	203	712	457	712	457
600-540	33	35	300	400	500	150	475	575	220	360	550	660	85
600-620	30	50	250	429	421	-	553	546	250	955	600	900	1255
750-1000	48	57	356	47	472	-	650	650	178	1117	660	1117	660

Bombas BP

Split Case

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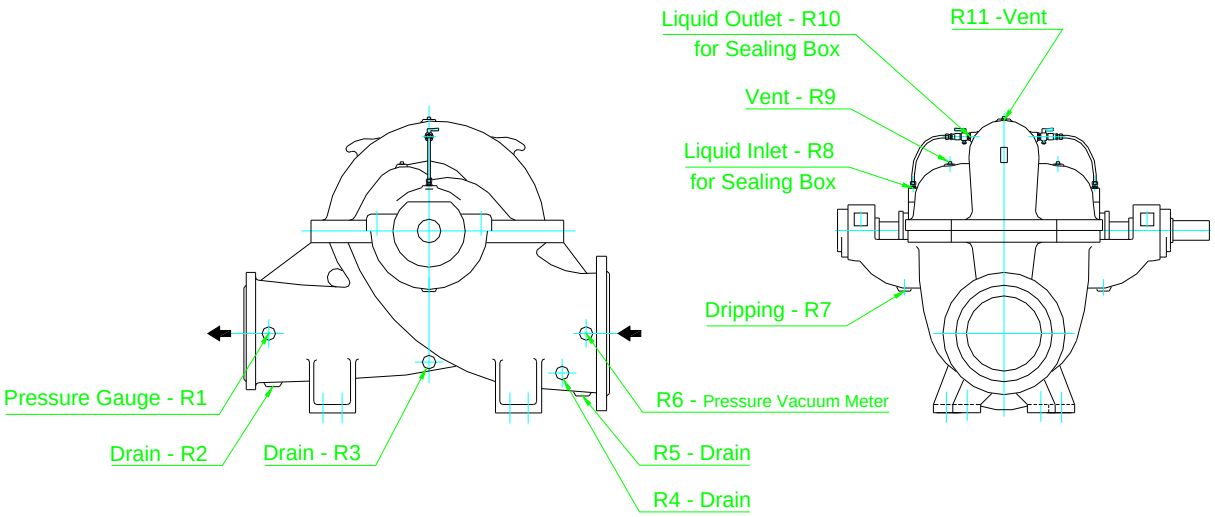
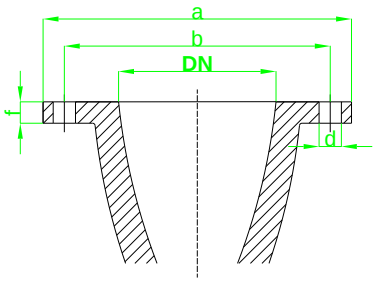


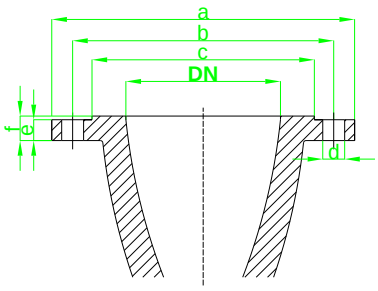
Model	Roscas BSP										
	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11
75-330	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/8"	1/2"	1/8"	1/2"
100-330	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/8"	1/2"	1/8"	1/2"
150-330	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/8"	1/2"	1/8"	1/4"
150-450	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/4"	3/4"	N.A.	3/4"
150-580	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/4"	3/4"	N.A.	3/4"
200-350	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/4"	3/4"	1/4"	1/4"
200-450	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/4"	3/4"	N.A.	3/4"
200-530	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	3/4"	1/4"	3/4"	N.A.	1/4"
250-400	1/4"	N.A.	3/4"	3/4"	N.A.	1/4"	1/2"	1/4"	N.A.	1/4"	3/4"
250-550	1/4"	1/2"	N.A.	N.A.	1/2"	1/4"	1/2"	1/4"	3/4"	1/4"	1/2"
250-700	1/4"	3/4"	N.A	N.A	3/4"	1/4"	3/4"	1/2"	1.1/4"	N.A.	3/4"
300-340	1/2"	3/4"	N.A.	N.A.	3/4"	1/2"	3/4"	1/2"	3/4"	N.A.	3/4"
300-400	1/2"	3/4"	N.A.	N.A.	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"
300-360	1/4"	3/4"	N.A.	N.A.	3/4"	1/2"	3/4"	1/2"	1.1/4"	1/2"	3/4"
400-390	1/2"	3/4"	N.A.	N.A.	3/4"	1/2"	3/4"	1/2"	3/4"	N.A.	3/4"
400-440	1/2"	3/4"	N.A.	N.A.	3/4"	1/2"	3/4"	1/2"	3/4"	N.A.	3/4"
400-900	1/2"	1"	N.A.	N.A.	1"	1/4"	3/4"	1/2"	1"	1/2"	1/4"
500-510	1/2"	1"	N.A.	N.A.	1"	1/2"	1"	1/2"	1"	N.A.	1"
500-640	1/2"	1"	N.A.	N.A.	1"	1/2"	1"	1/2"	N.P	N.A.	1"
500-700	1/4"	1"	N.A.	N.A.	1"	1/4"	3/4"	1/2"	N.P	1/2"	1/4"
600-540	1/2"	1"	N.A.	N.A.	1"	1/2"	1"	1/2"	1"	N.A.	1"
600-620	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1"	1/2"	1/2"	1/2"	1"
750-1000	1/4"	1.1/2"	N.A.	N.A.	1.1/2"	1/4"	1"	1/2"	N.P	1/2"	2"

N.P - Connection not Provided
N.A - Not Applicable

IMBIL Pumping Solutions

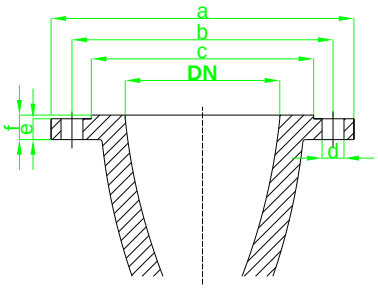
FLANGE STANDARDS





Standards: ANSI B16.1 FF						
Diam. Nom.	Clase	a	b	d	f	Qtde hole
75	125Lb	190	152	19	19	4
	250Lb	209	168	22	28	8
100	125Lb	228	190	19	24	8
	250Lb	254	200	22	32	8
125	125Lb	254	216	22	24	8
	250Lb	279	235	22	35	8
150	125Lb	279	241	22	25	8
	250Lb	317	270	22	36	12
200	125Lb	343	298	22	28	8
	250Lb	381	330	25	41	12
250	125Lb	406	362	25	30	12
	250Lb	444	387	28	48	16
300	125Lb	483	432	25	32	12
	250Lb	521	451	32	51	16
350	125Lb	533	476	28	35	12
	250Lb	584	514	32	54	20

Standards: ANSI B16.5 RF								
Diam. Nom.	Clase	a	b	c	d	e	f	Qtde hole
75	150Lb	190	152	127	19	1,6	24	4
	300Lb	209	168	127	22	1,6	28	8
100	150Lb	228	190	157	19	1,6	24	8
	300Lb	254	200	157	22	1,6	32	8
125	150Lb	254	216	185	22	1,6	24	8
	300Lb	279	235	185	22	1,6	35	8
150	150Lb	279	241	216	22	1,6	25	8
	300Lb	317	270	216	22	1,6	36	12
200	150Lb	343	298	270	22	1,6	28	8
	300Lb	381	330	270	25	1,6	41	12
250	150Lb	406	362	324	25	1,6	30	12
	300Lb	444	387	324	28	1,6	48	16
300	150Lb	482	432	381	25	1,6	32	12
	300Lb	521	451	381	32	1,6	51	16
350	150Lb	533	476	413	28	1,6	35	12
	300Lb	584	514	413	32	1,6	54	20



Standards: DIN 2532 - PN10							
Diam. Nom.	a	b	c	d	e	f	Qtde hole
300	445	400	370	23	4	28	12
350	505	460	429	23	4	30	16
400	565	515	480	28	4	32	16
450	615	565	530	28	4	32	20
500	670	620	582	28	4	34	20
600	780	725	682	31	5	36	20
700	895	840	794	31	5	40	24

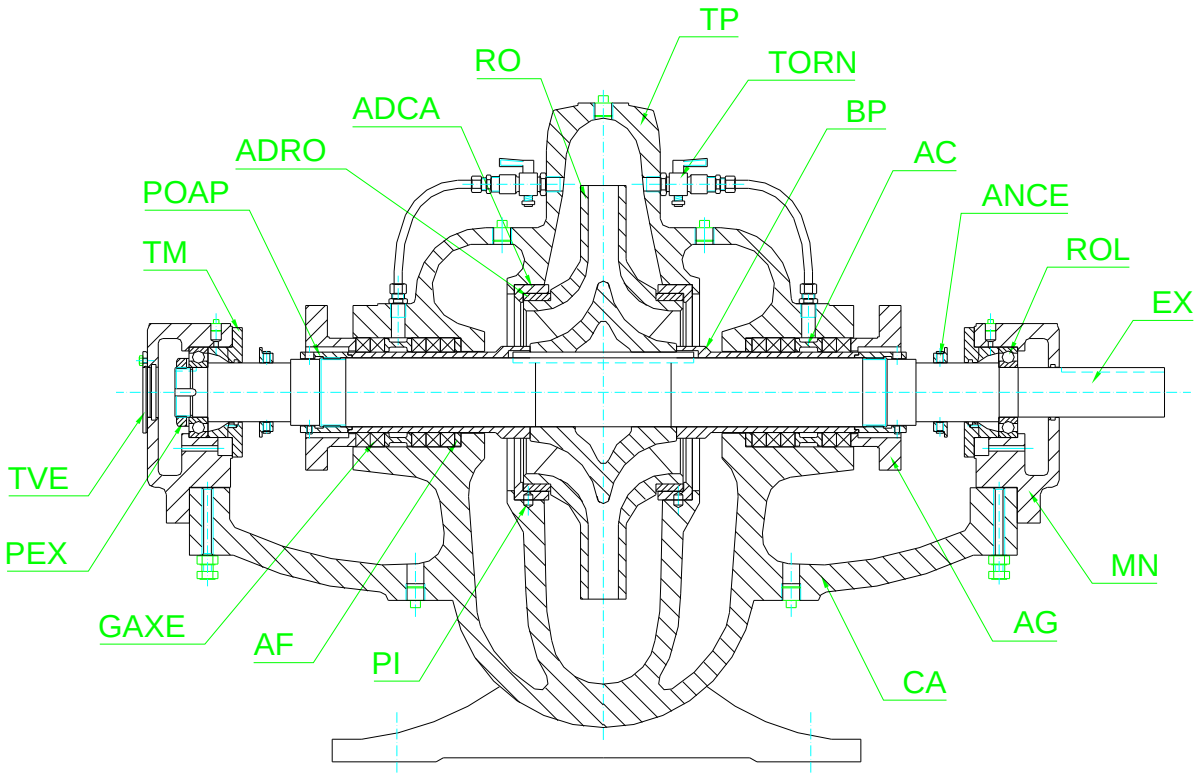
Standards: DIN 2533 - PN16							
Diam. Nom.	a	b	c	d	e	f	Qtde hole
300	460	410	370	28	4	32	12
350	520	470	429	28	4	36	16
400	580	525	480	31	4	38	16
450	640	585	548	31	4	40	20
500	715	650	609	34	4	42	20
600	840	770	720	37	5	48	20
700	910	840	794	37	5	54	24

IMBIL Pumping Solutions

PART LIST

Code	Description
CA	Volute Case
TP	Pressure Cover
EX	Shaft
RO	Impeller
MN	Bearing
TM	Bearing Cover
TVE	Sealing Cover
AG	Stuffing box packing gland
ADCA	Volute case wear ring
ADRO (1)	Impeller wear ring (1)
BP	Shaft Sleeves
POAP	Check Nut
PEX	Shaft Nut
AC	Lantern ring
AF	Back ring
ANCE	Centrifuge ring
PI	Pin
ROL	Bearing
GAXE	Gasket (graphitized asbestos)
TORN	Tap

(1) Not used in all models



MATERIAL VERSIONS

Parts	Material Versions						
	V01	V02	V03	V04	V05	V06	V07
Volute Case	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A536 65.45.12
Pressure cover	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A536 65.45.12
Impeller	ASTM A48 CL30	ASTM A536 65.45.12	BRONZE CB31	BRONZE CB31	CF 8M	CA6NM	ASTM A536 65.45.12
Wear ring (volute case)	BRONZE CB31	BRONZE CB31	BRONZE CB31	BRONZE CB31	BRONZE CB31	BRONZE CB31	BRONZE CB31
Wear ring (impeller)	BRONZE CB31	BRONZE CB31	BRONZE CB31	BRONZE CB31	CF 8M	CF 8M	BRONZE CB31
Shaft	SAE1045	SAE1045	SAE1045	AISI316	SAE1045	SAE1045	SAE1045
Shaft sleeve	SAE1020	SAE1020	BRONZE TM23	BRONZE TM23	AISI316	AISI316	SAE1020
Bearing	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A48 CL30	ASTM A536 65.45.12

LIMITATIONS ON THE USE OF CAST IRON IMPELLERS:

1 -FIRE FIGHTING
If the function is limited to fire fighting, no restrictions apply.
Should the pump also have the function of collecting water, which is typical of ships and sea platforms, proceed according to item 3.

2 -TOWER CIRCULATION, COOLING AND BOILER FEED WATER
Cast Iron Impellers are not to be used. Preferably use impeller in CF 8M. Bronze impeller may be used as long as the NPSH available is the double of or larger/higher than the required NPSH.

3 -WATER OLLECTION
Cast iron rotor may be used only under the following conditions:

-NPSH available is more than two times the required NPSH.
- Installed power is lower than 500 HP.
- Volumetric flow is lower than 3000 m‡/h.

4 -HIDROCARBONS, OILS, ETC.
Cast iron impellers may be used as long as the NPSH available is at least 50% higher than the required NPSH.

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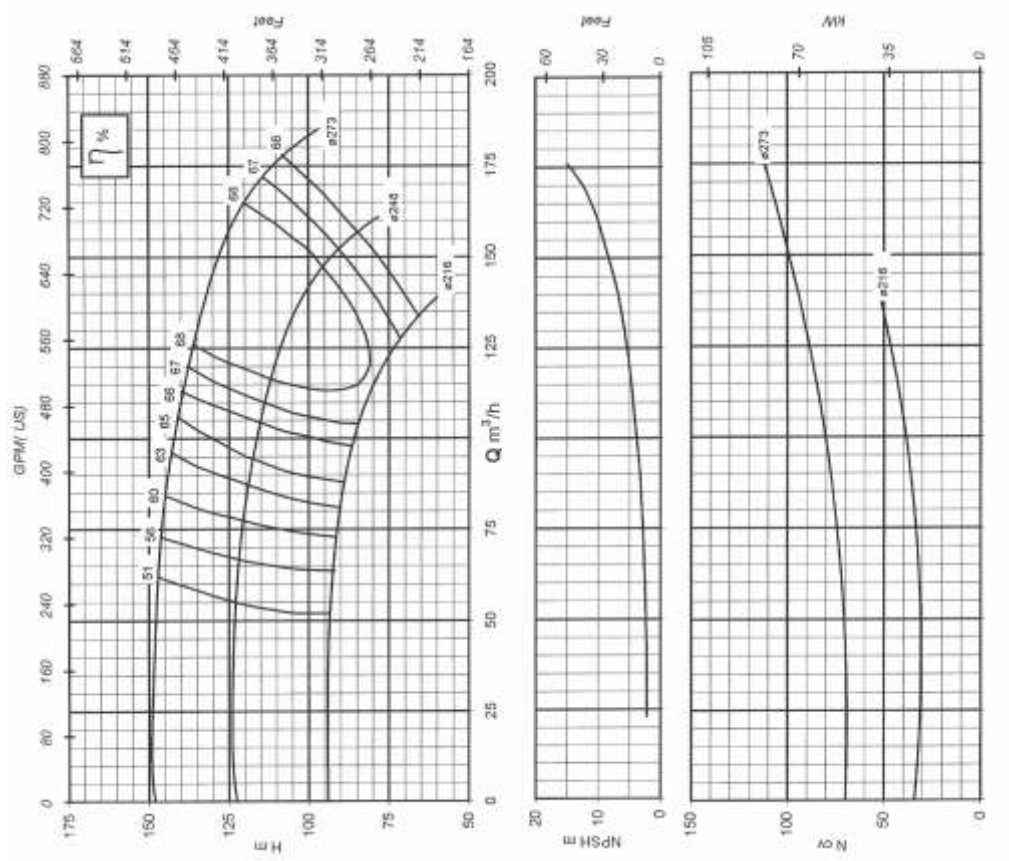
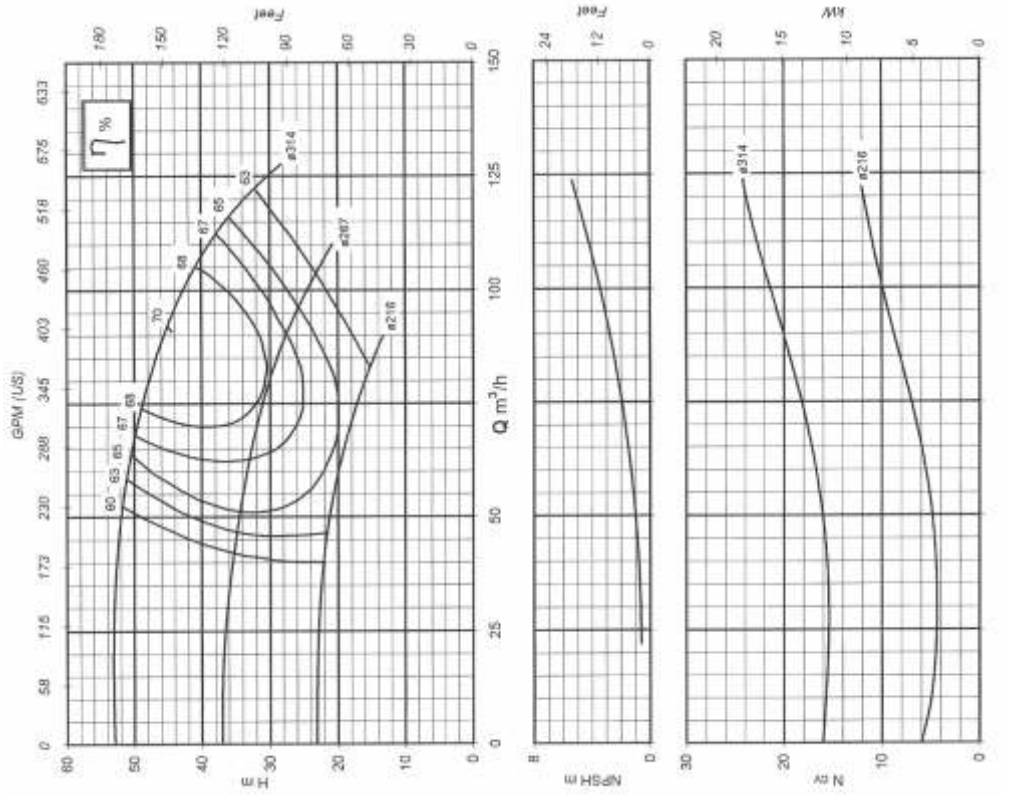
BP 75-330 ROTOR "A" 3500 RPM



Impeller Ø Max.	273	mm	Suction Flange	100	mm
Impeller Ø Min.	216	mm	Pressure Flange	75	mm
Viscosity		μ=1 cP	Specific Weigth	γ =1 kgf/dm³	

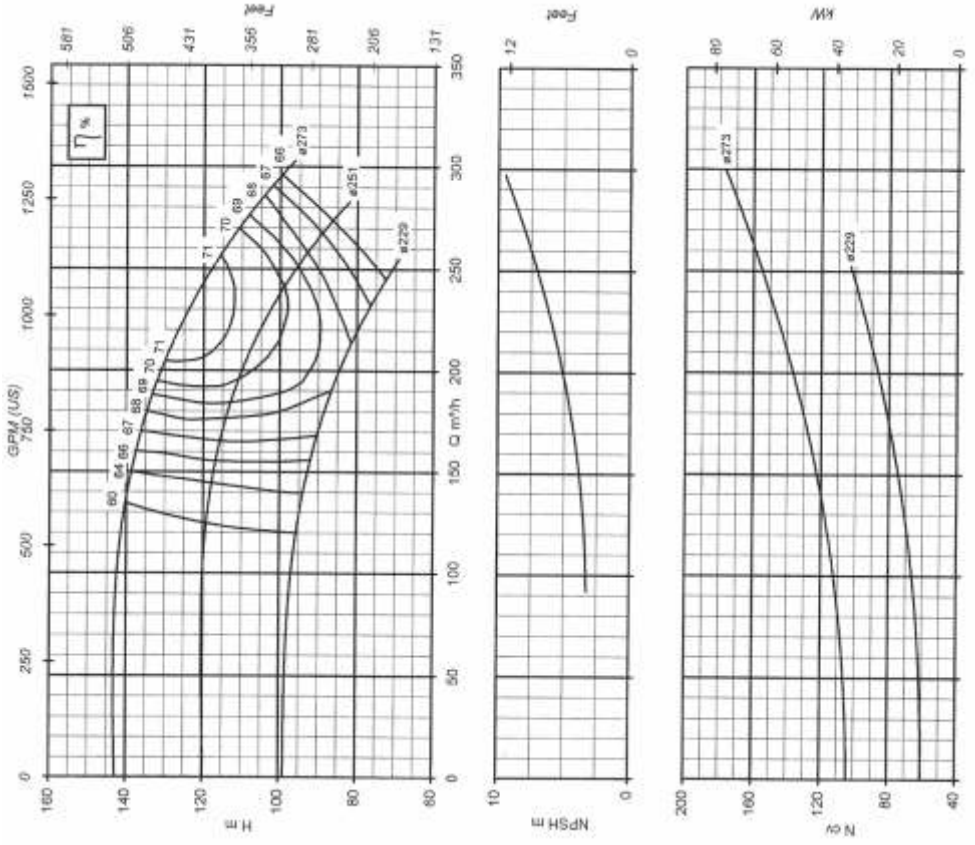
BP 75-330 ROTOR "A" 1750 RPM



Impeller Ø Max.	314	mm	Suction Flange	100	mm
Impeller Ø Min.	216	mm	Pressure Flange	75	mm
Viscosity		μ=1 cP	Specific Weigth	γ =1 kgf/dm³	

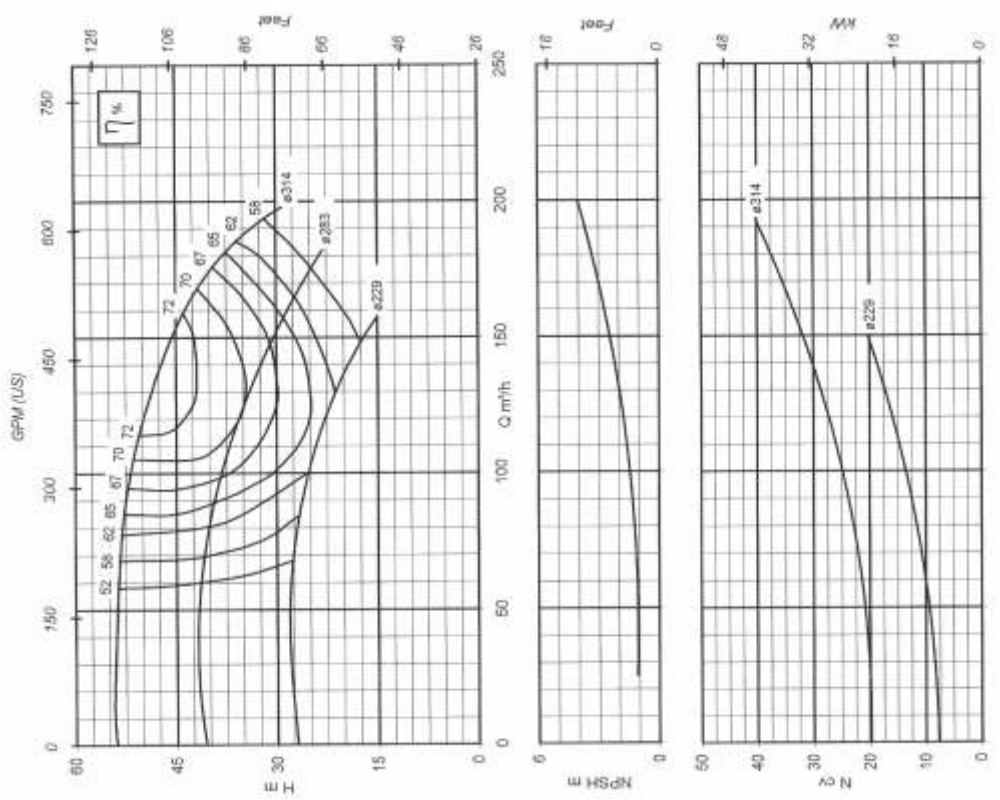
IMBIL Pumping Solutions

BP 100-330 ROTOR "A" 3500 RPM



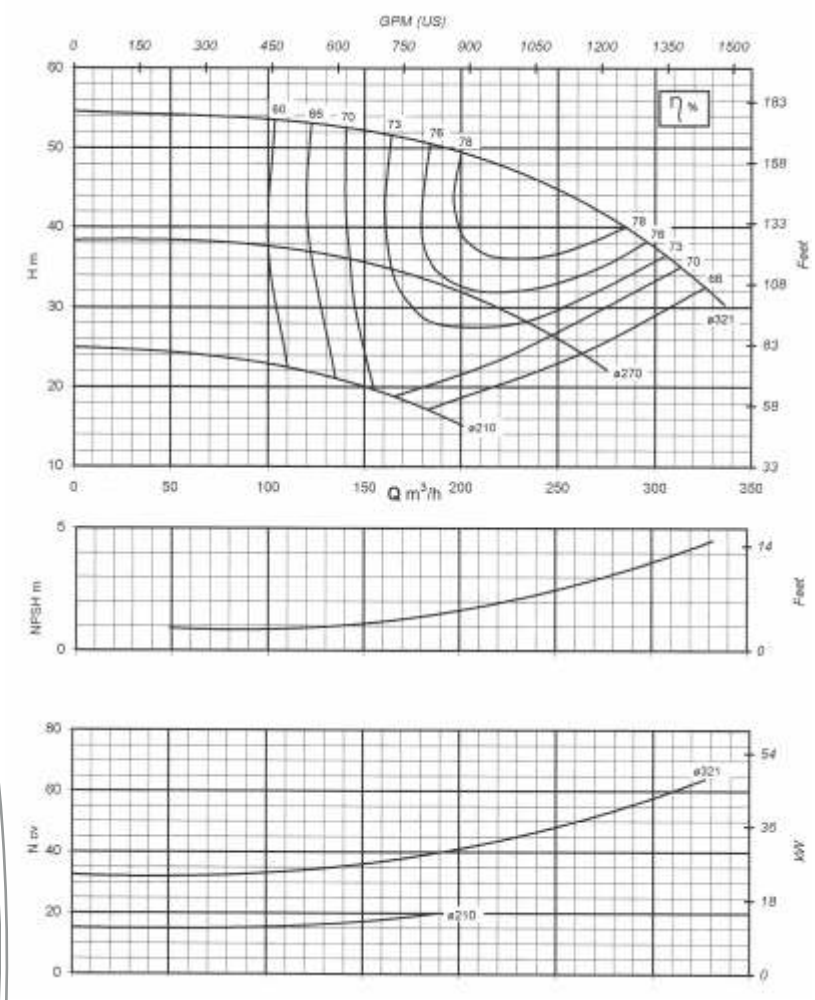
Impeller Ø Max.	**273**	**mm**	**Suction Flange**	**150**	**mm**
Impeller Ø Min.	229	mm	**Pressure Flange**	100	mm
Viscosity		μ = 1 cP	**Specific Weigth**	γ = 1 kgf/dm³	

BP 100-330 ROTOR "A" 1750 RPM



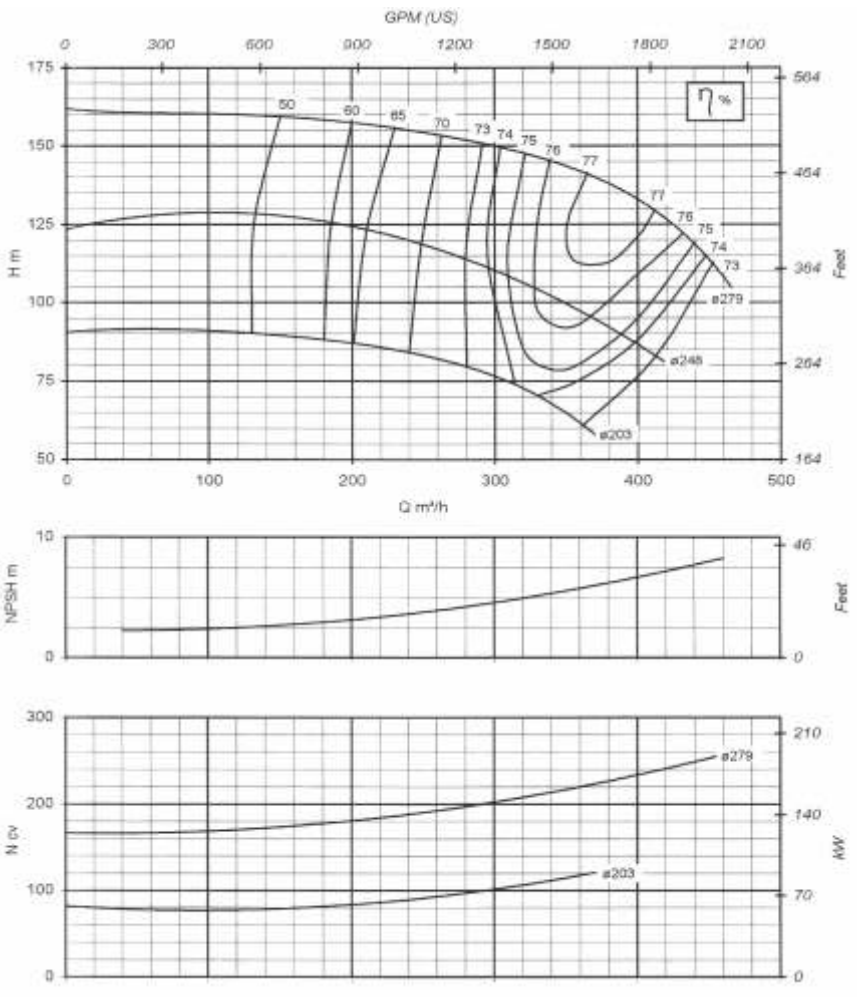
Impeller Ø Max.	**314**	**mm**	**Suction Flange**	**150**	**mm**
Impeller Ø Min.	229	mm	**Pressure Flange**	100	mm
Viscosity		μ = 1 cP	**Specific Weigth**	γ = 1 kgf/dm³	

BP 150-330 ROTOR "A" 1750 RPM



Impeller Ø Max.	321	mm	**Suction Flange**	200	mm
Impeller Ø Min.	210	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³	

BP 150-330 ROTOR "A" 3500 RPM



Impeller Ø Max.	279	mm	**Suction Flange**	200	mm
Impeller Ø Min.	203	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³	

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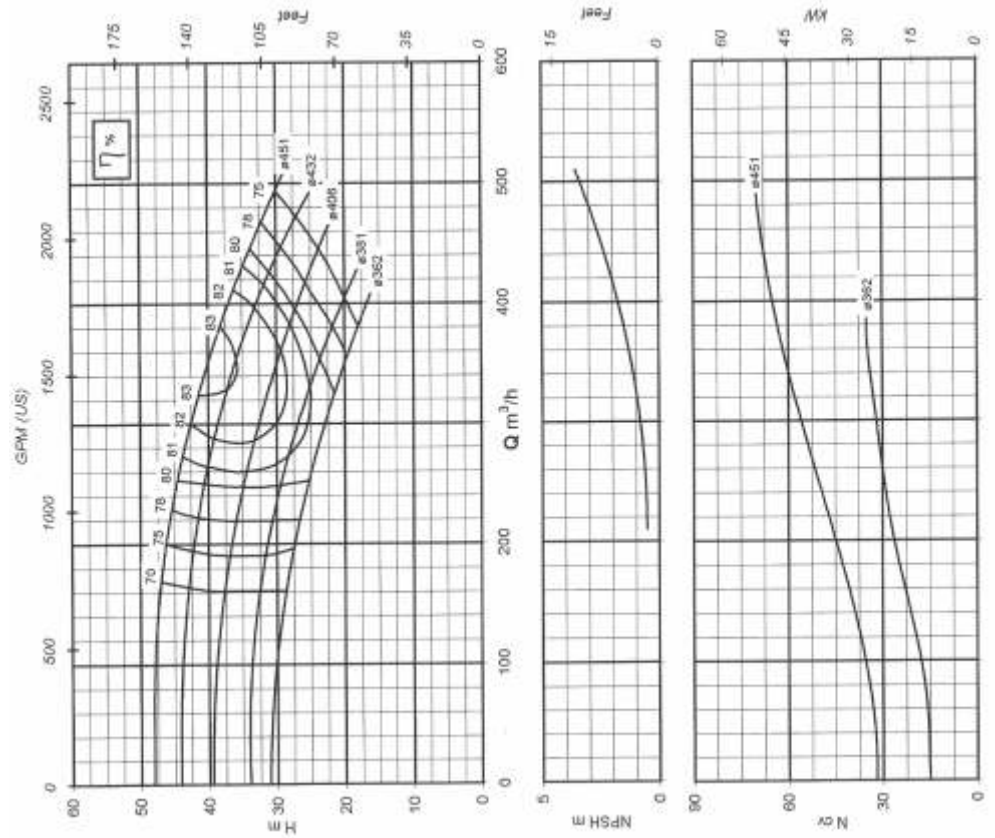
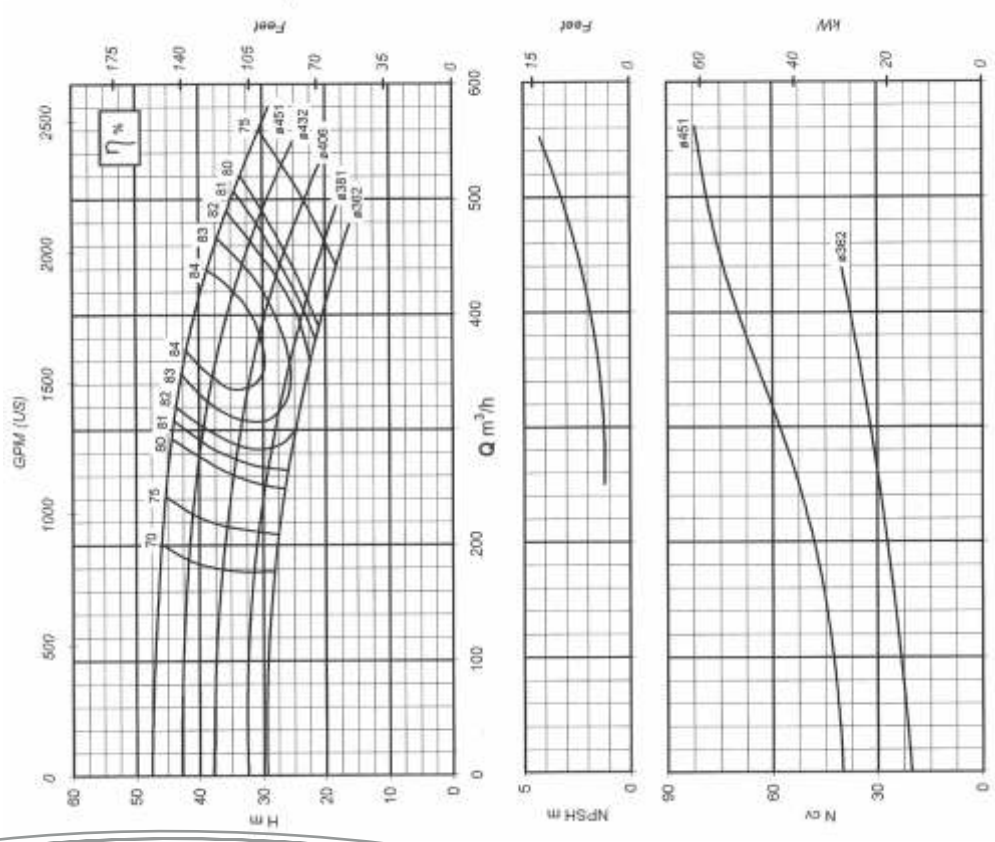
BP 150-450 ROTOR "D" 1175 RPM



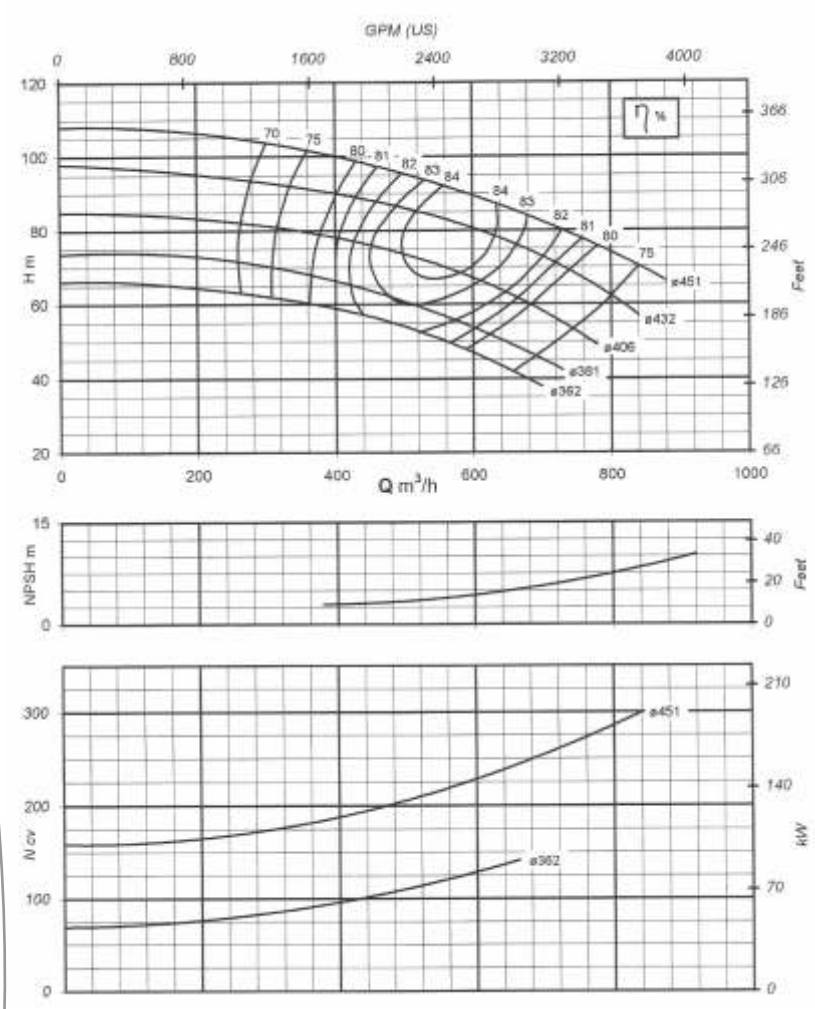
Impeller Ø Max.	**451**	**mm**	**Suction Flange** 250 mm
Impeller Ø Min.	362	mm	**Pressure Flange** 150 mm
Viscosity		μ =1 cP	**Specific Weigth** γ =1 kgf/dm³

BP 150-450 ROTOR "A" 1175 RPM



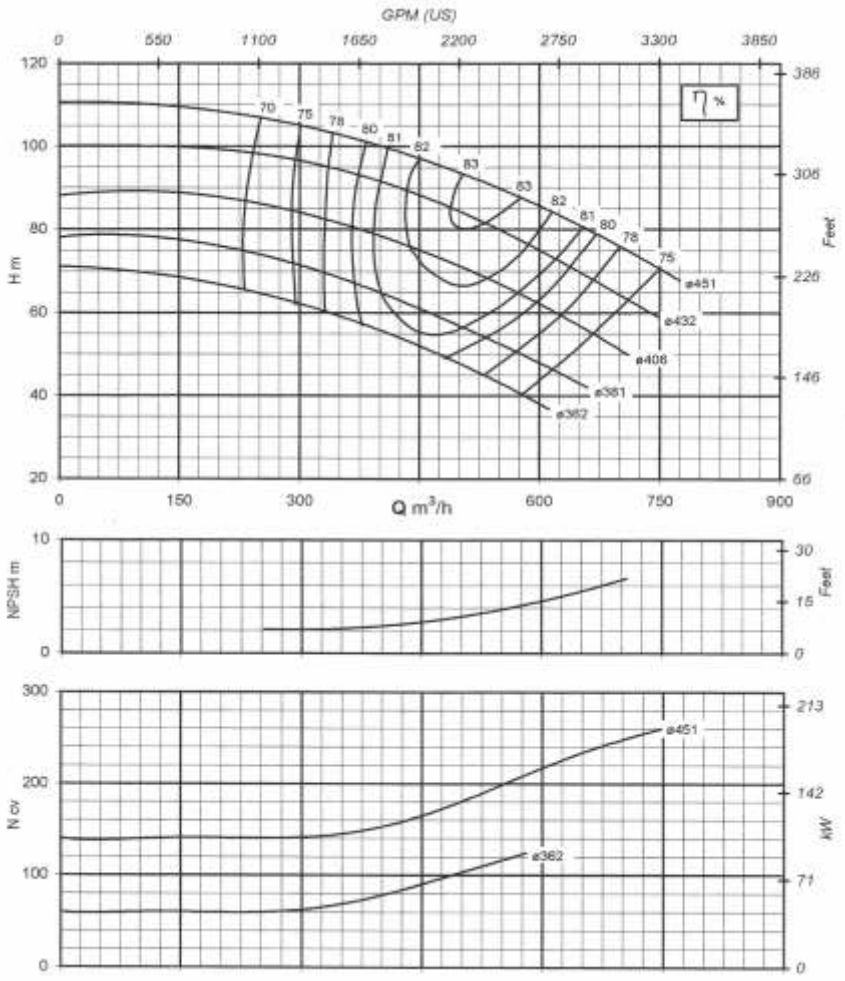
Impeller Ø Max.	**451**	**mm**	**Suction Flange** 250 mm
Impeller Ø Min.	362	mm	**Pressure Flange** 150 mm
Viscosity		μ =1 cP	**Specific Weigth** γ =1 kgf/dm³

BP 150-450 ROTOR “A” 1775 RPM



Impeller Ø Max.	451	mm	**Suction Flange**	250	mm
Impeller Ø Min.	362	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm^3

BP 150-450 ROTOR “D” 1775 RPM



Impeller Ø Max.	451	mm	**Suction Flange**	250	mm
Impeller Ø Min.	362	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm^3

Bombas BP

Split Case

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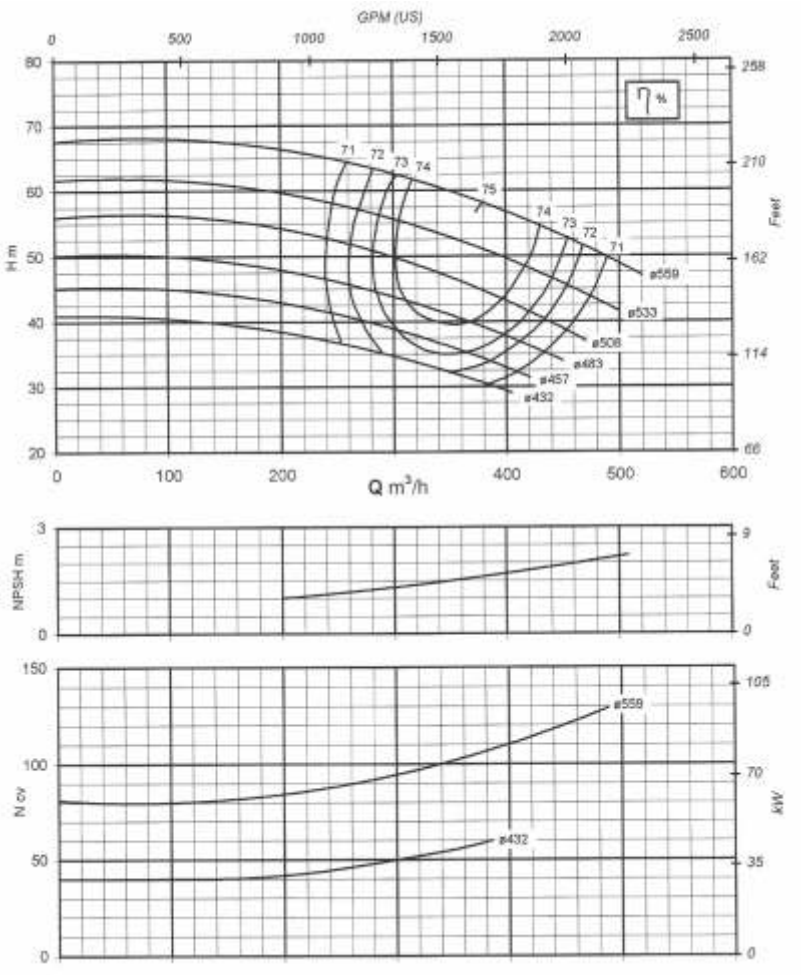
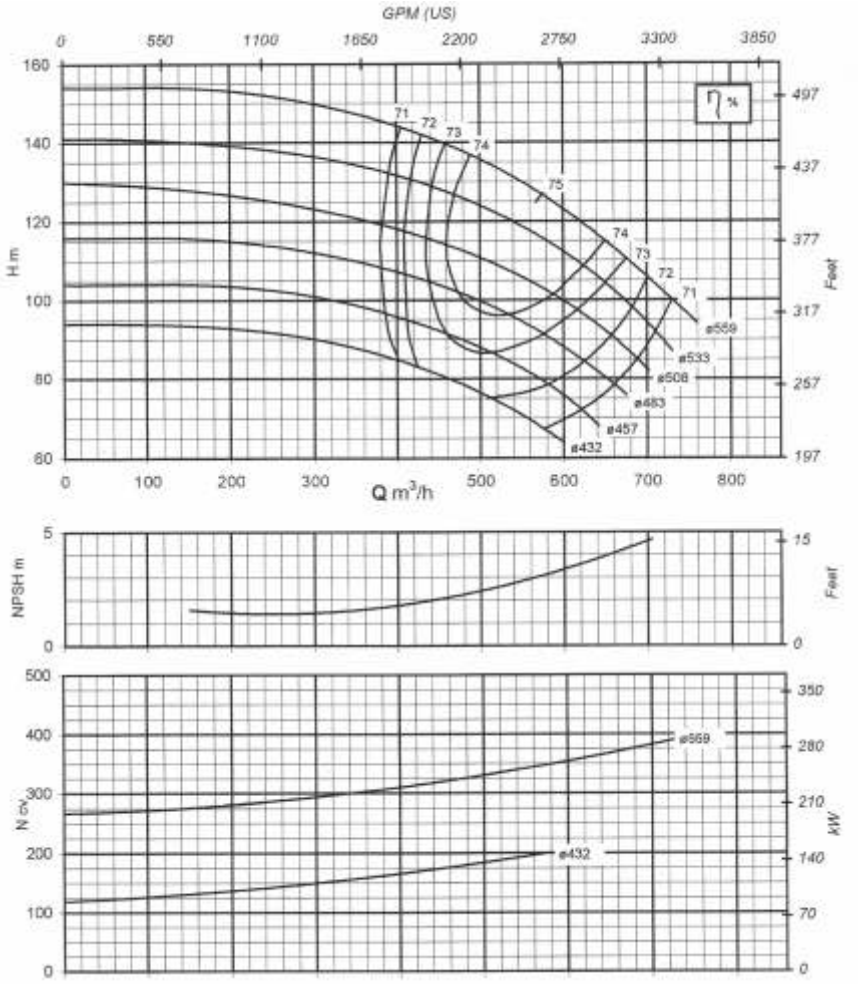
BP 150-580 ROTOR "A" 1175 RPM



Impeller Ø Max.	559	mm	**Suction Flange**	250	mm
Impeller Ø Min.	432	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³	

BP 150-580 ROTOR "A" 1775 RPM



Impeller Ø Max.	559	mm	**Suction Flange**	250	mm
Impeller Ø Min.	432	mm	**Pressure Flange**	150	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³	

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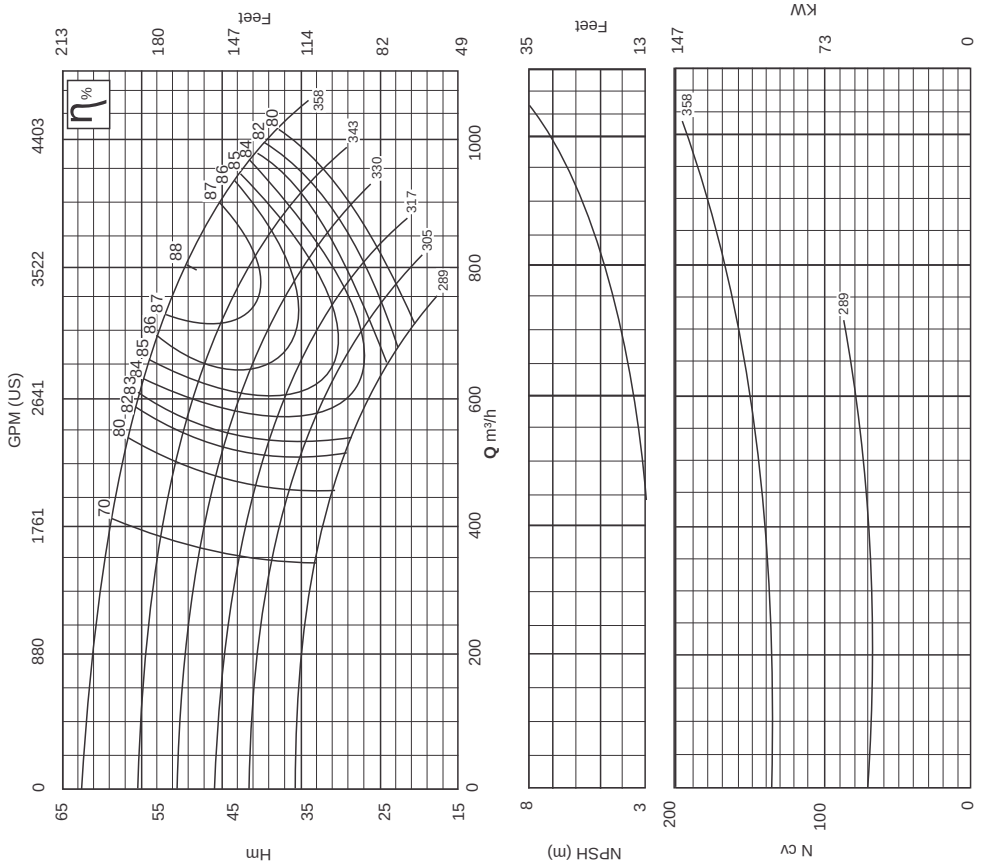
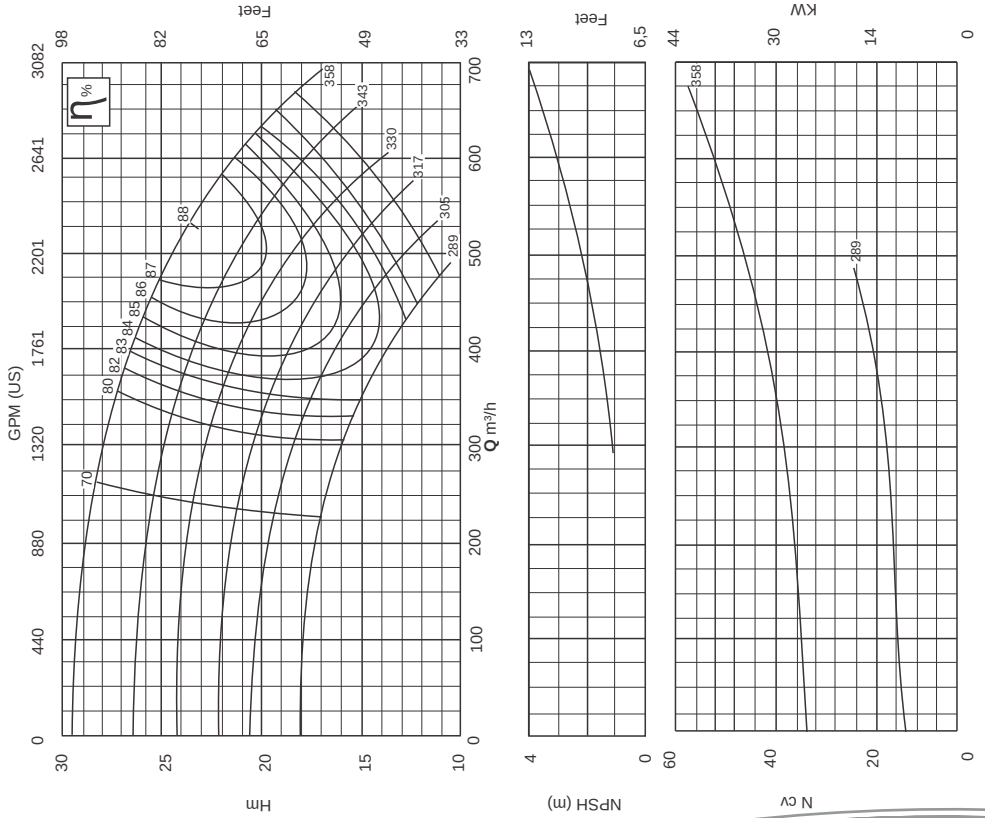
BP 200-350 ROTOR "A" 1775 RPM



Impeller Ø Max.	358 mm	Suction Flange	300 mm
Impeller Ø Min.	289 mm	Pressure Flange	200 mm
Viscosity	μ = 1 cP	Specific Weigth	γ = 1 kgf/dm³

BP 200-350 ROTOR "A" 1175 RPM



Impeller Ø Max.	358 mm	Suction Flange	300 mm
Impeller Ø Min.	289 mm	Pressure Flange	200 mm
Viscosity	μ = 1 cP	Specific Weigth	γ = 1 kgf/dm³

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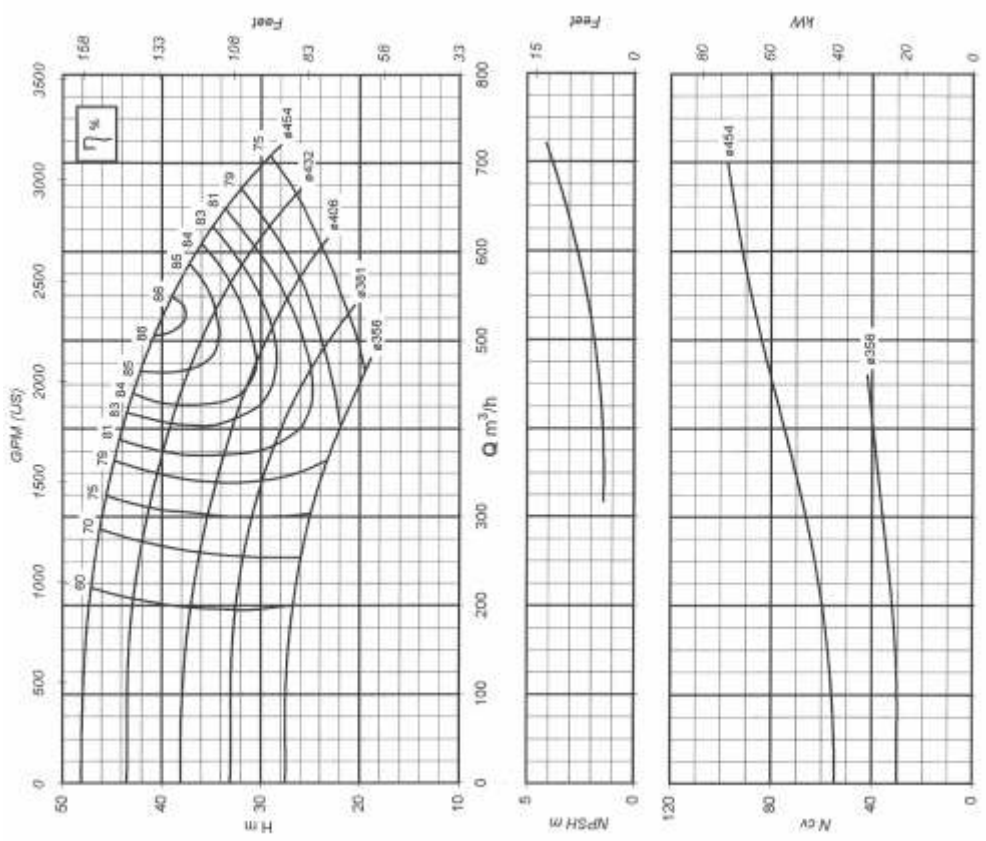
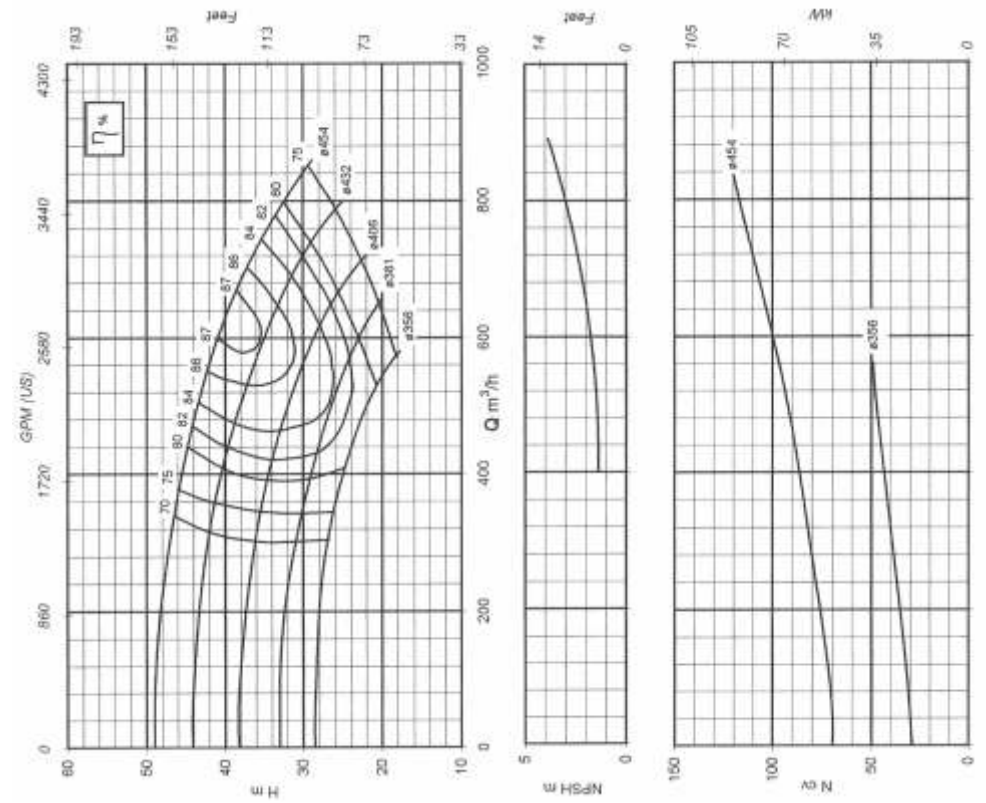
BP 200-450 ROTOR "C" 1175 RPM



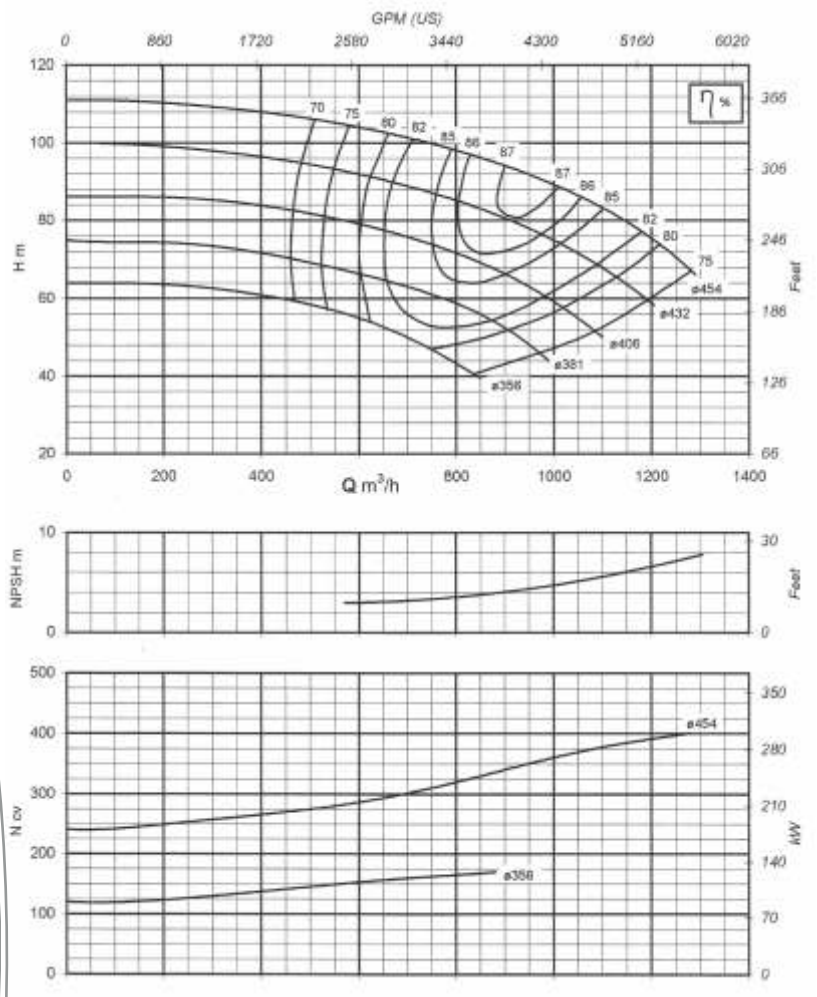
Impeller Ø Max.	454	mm	**Suction Flange** 300 mm
Impeller Ø Min.	356	mm	**Pressure Flange** 200 mm
Viscosity		μ =1 cP	**Specific Weigth** γ =1 kgf/dm³

BP 200-450 ROTOR "A" 1175 RPM



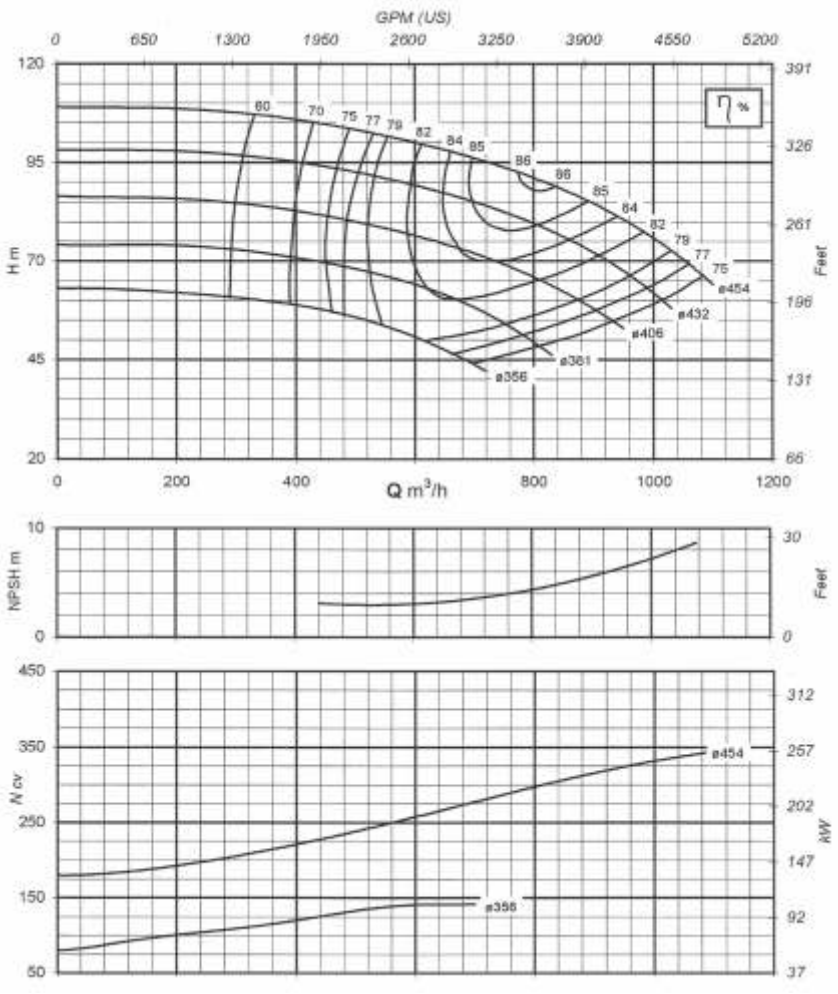
Impeller Ø Max.	454	mm	**Suction Flange** 300 mm
Impeller Ø Min.	356	mm	**Pressure Flange** 200 mm
Viscosity		μ =1 cP	**Specific Weigth** γ =1 kgf/dm³

BP 200-450 ROTOR “A” 1775 RPM



Impeller Ø Max.	454	mm	**Suction Flange**	300	mm
Impeller Ø Min.	356	mm	**Pressure Flange**	200	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

BP 200-450 ROTOR “C” 1775 RPM



Impeller Ø Max.	454	mm	**Suction Flange**	300	mm
Impeller Ø Min.	356	mm	**Pressure Flange**	200	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

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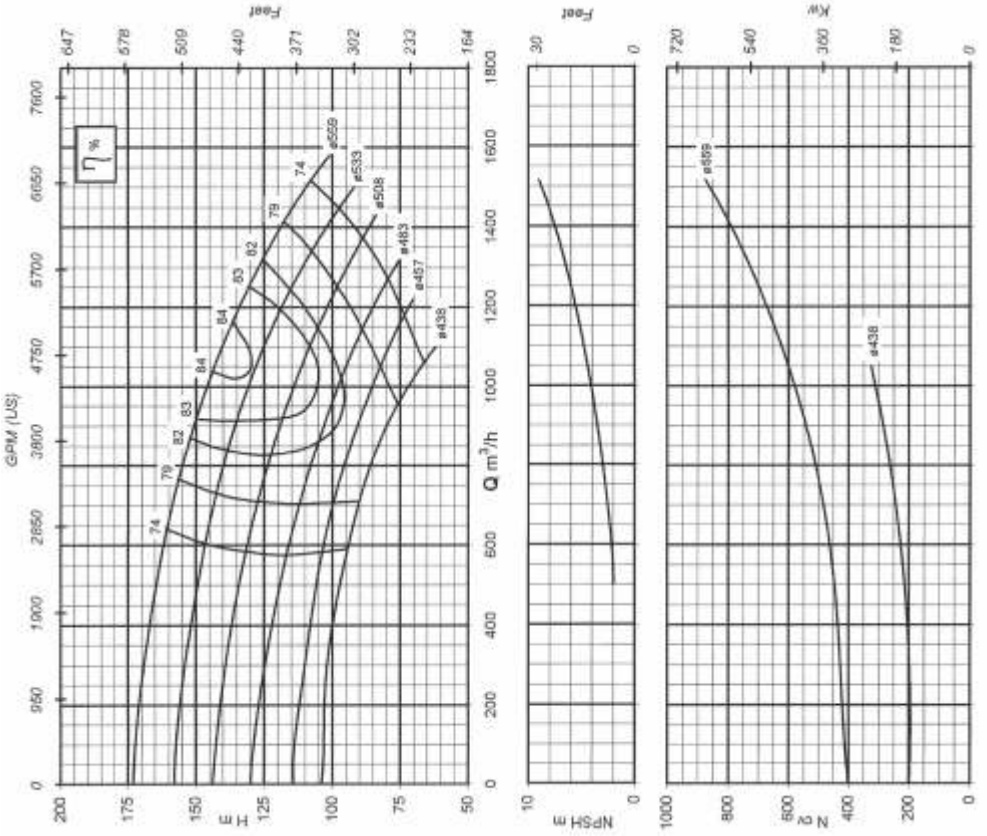
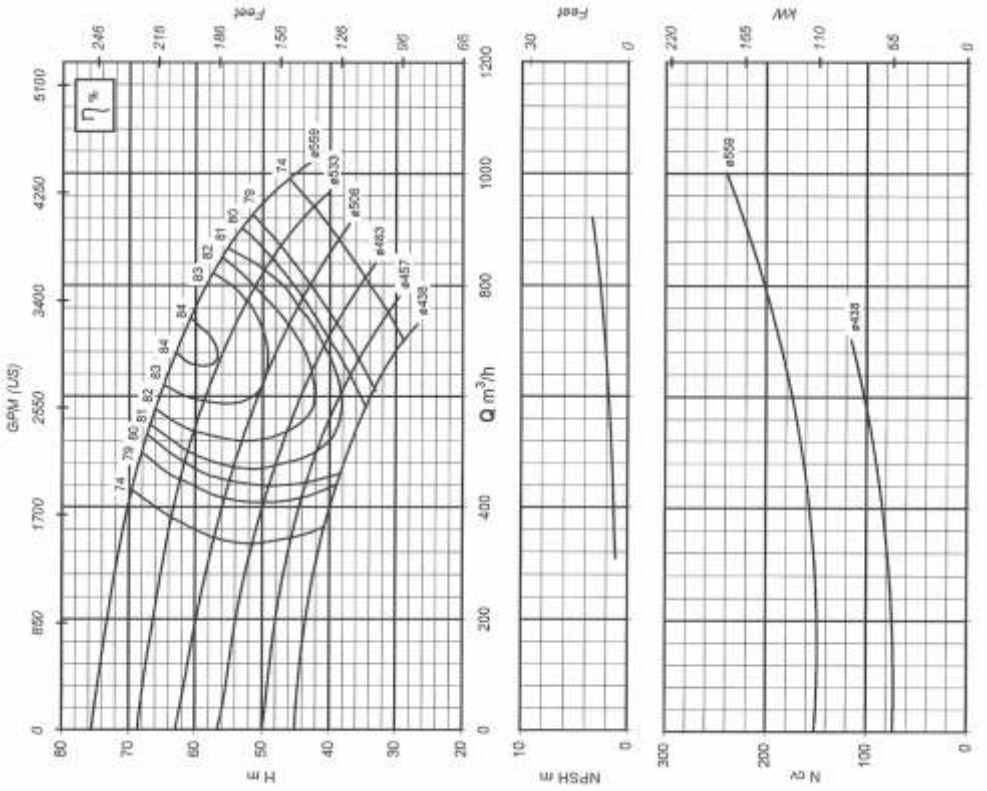
BP 200-530 ROTOR "E" 1775 RPM



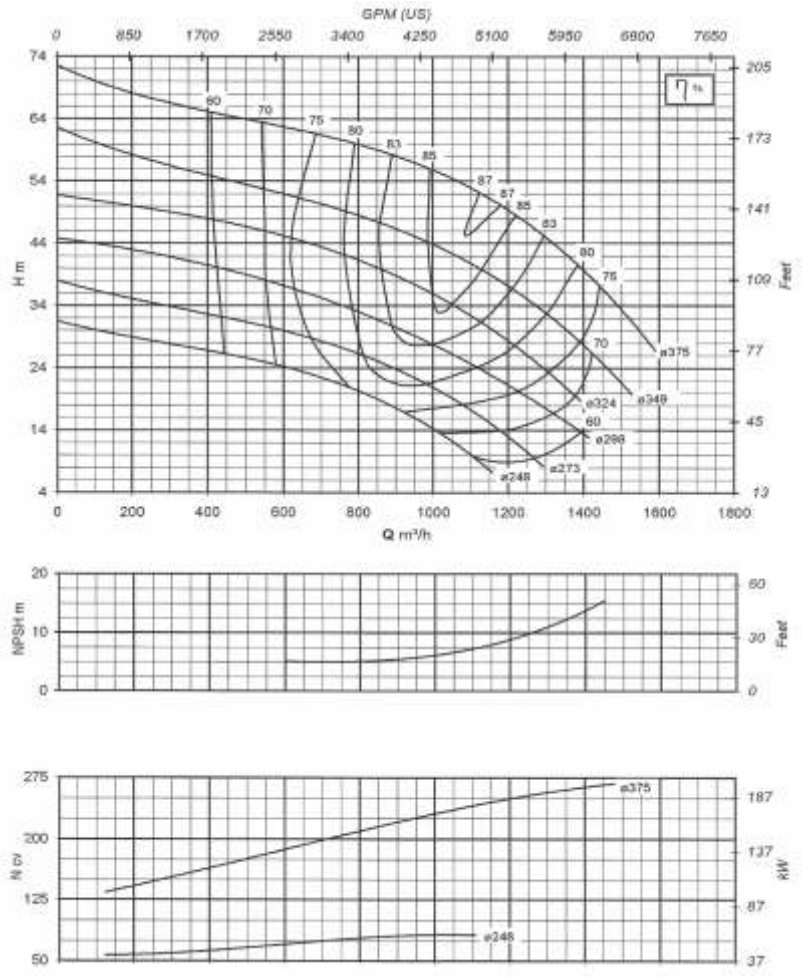
Impeller Ø Max.	**559**	**mm**	**Suction Flange**	**350**	**mm**
Impeller Ø Min.	438	mm	**Pressure Flange**	200	mm
Viscosity		μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³	

BP 200-530 ROTOR "E" 1775 RPM



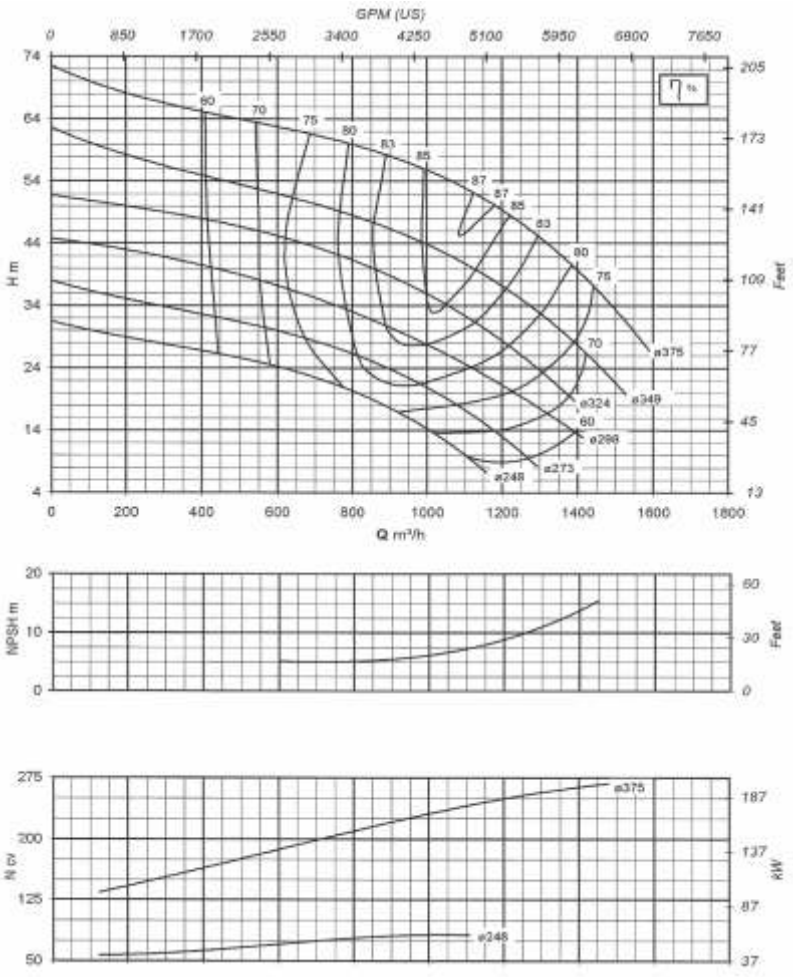
Impeller Ø Max.	**559**	**mm**	**Suction Flange**	**350**	**mm**
Impeller Ø Min.	438	mm	**Pressure Flange**	200	mm
Viscosity		μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³	

BP 250-400 ROTOR “A” 1775 RPM



Impeller Ø Max.	375	mm	**Suction Flange**	300	mm
Impeller Ø Min.	248	mm	**Pressure Flange**	250	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3	

BP 250-400 ROTOR “A” 1775 RPM



Impeller Ø Max.	375	mm	**Suction Flange**	300	mm
Impeller Ø Min.	248	mm	**Pressure Flange**	250	mm
Viscosity		μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3	

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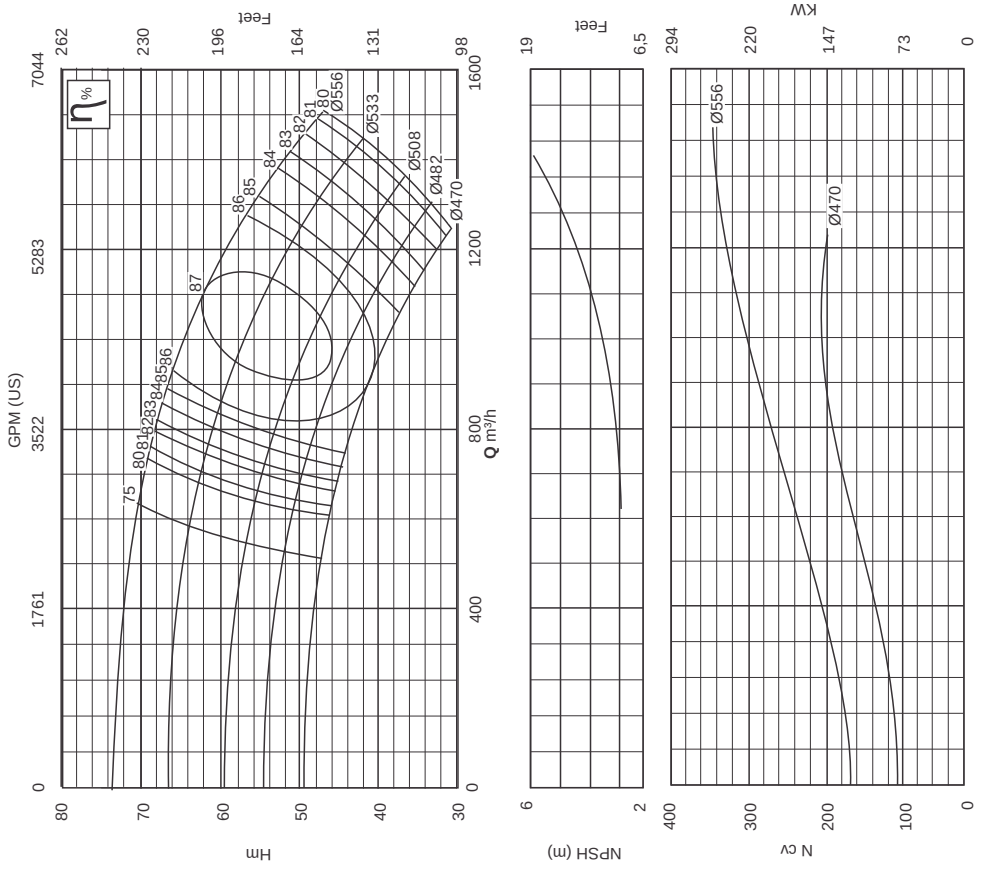
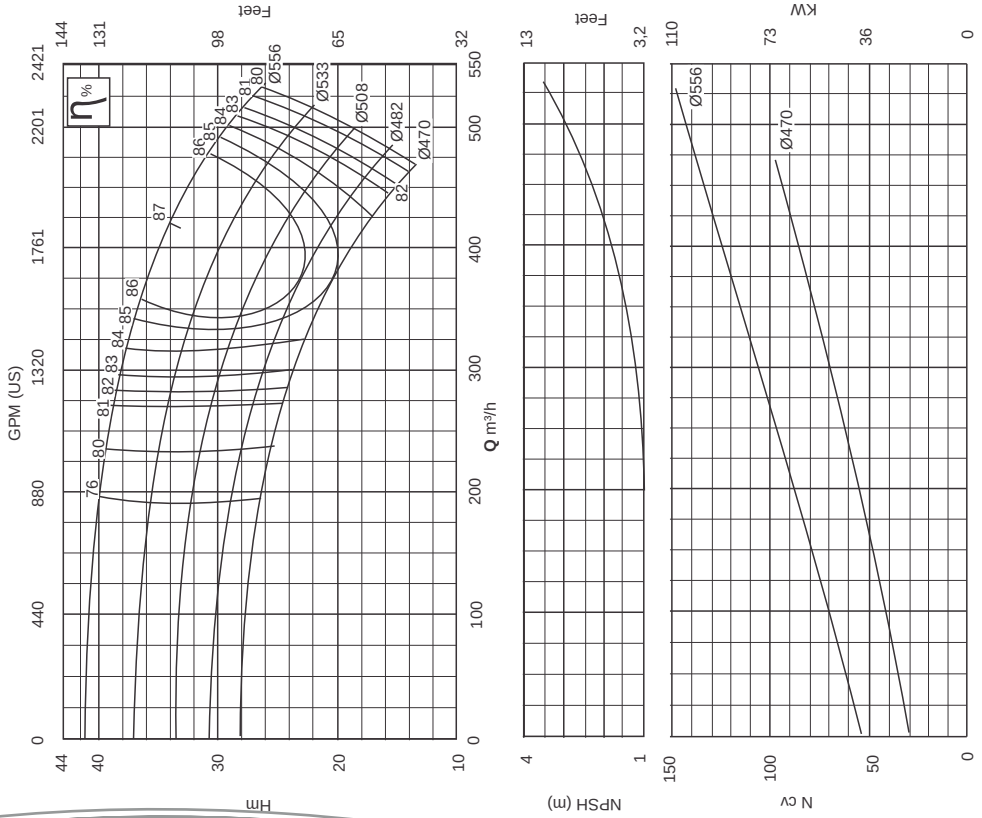
BP 250-550 ROTOR "A" 1175 RPM



Impeller Ø Max.	555 mm	**Suction Flange**	350 mm	**Viscosity**	μ = 1 cP
Impeller Ø Min.	469 mm	**Pressure Flange**	250 mm	**Specific Weigth**	γ = 1 kgf/dm³

BP 250-550 ROTOR "A" 880 RPM



Impeller Ø Max.	555 mm	**Suction Flange**	350 mm	**Viscosity**	μ = 1 cP
Impeller Ø Min.	469 mm	**Pressure Flange**	250 mm	**Specific Weigth**	γ = 1 kgf/dm³

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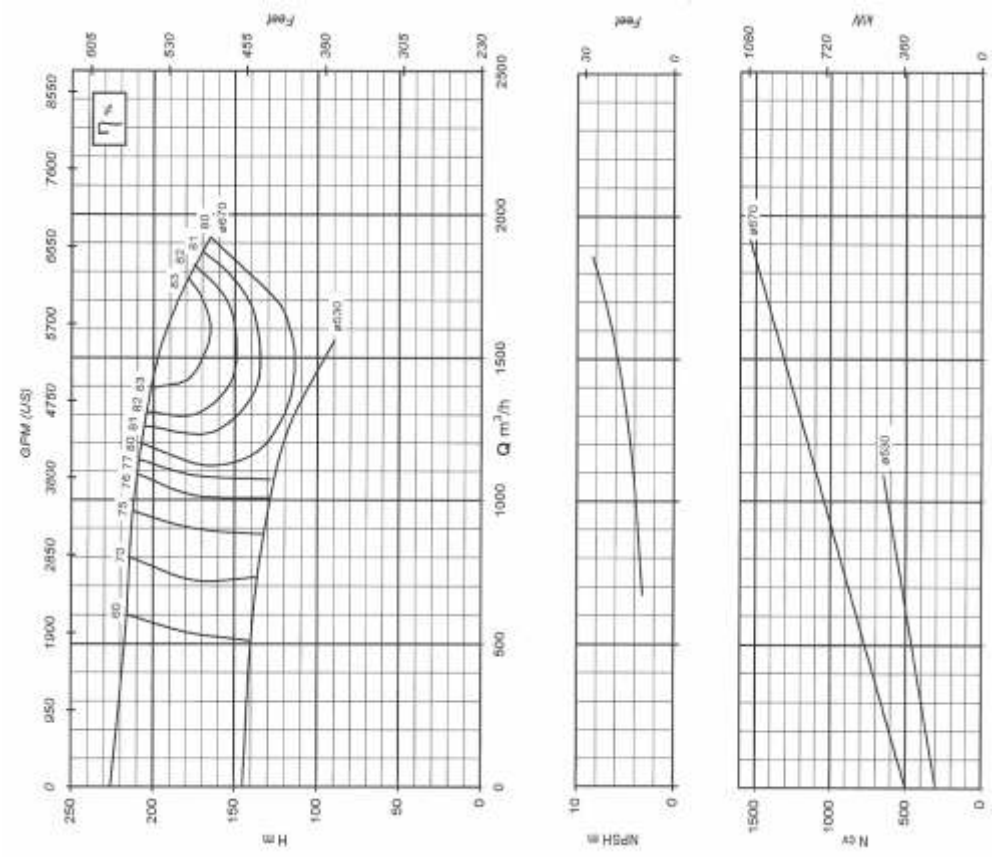
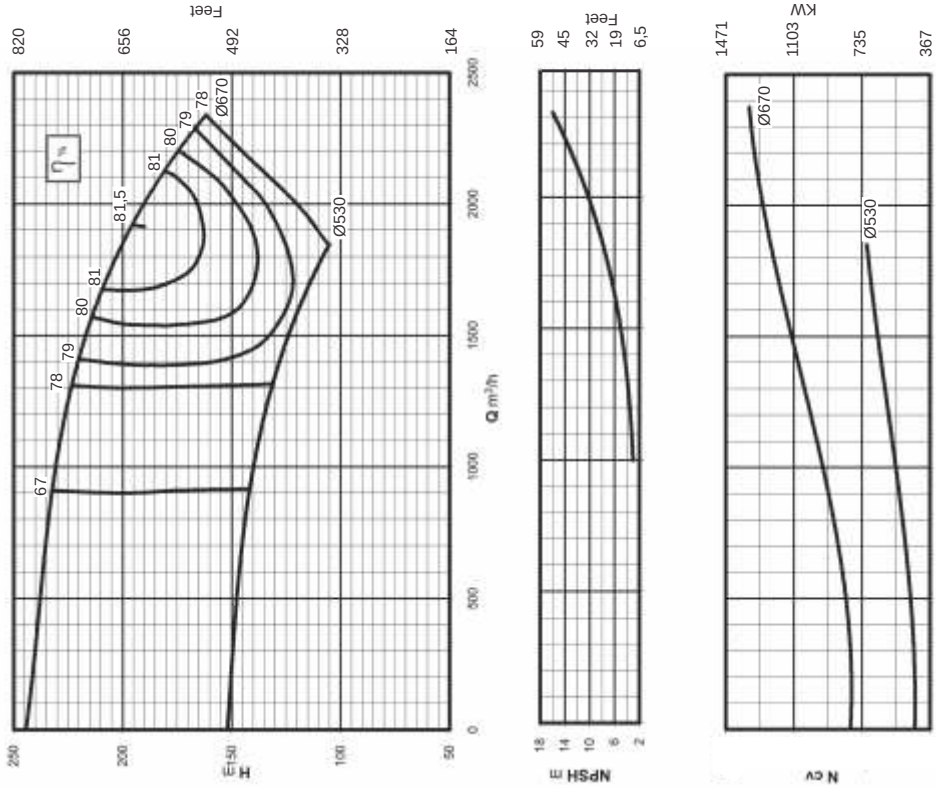
BP 250-700 ROTOR "B" 1750 RPM



Impeller Ø Max.	**670**	**mm**	**Suction Flange**	**350**	**mm**
Impeller Ø Min.	530	mm	**Pressure Flange**	250	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

BP 250-700 ROTOR "A" 1750 RPM



Impeller Ø Max.	**670**	**mm**	**Suction Flange**	**350**	**mm**
Impeller Ø Min.	530	mm	**Pressure Flange**	250	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

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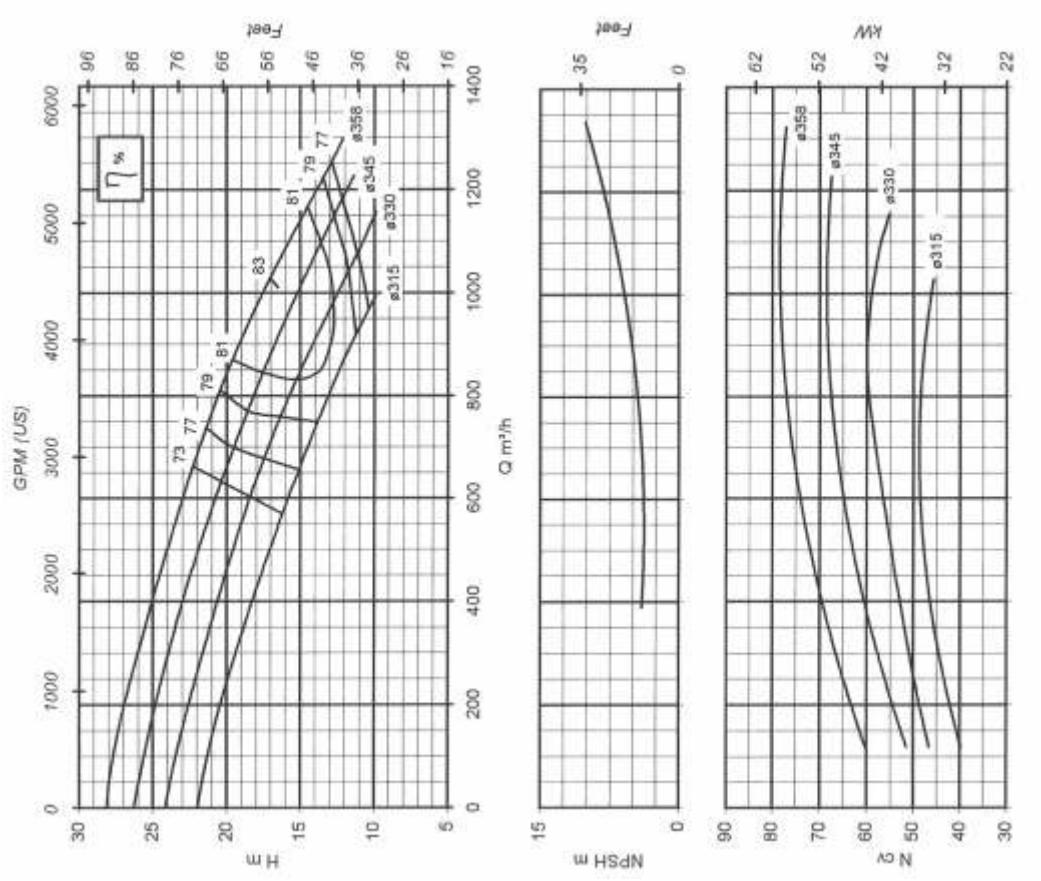
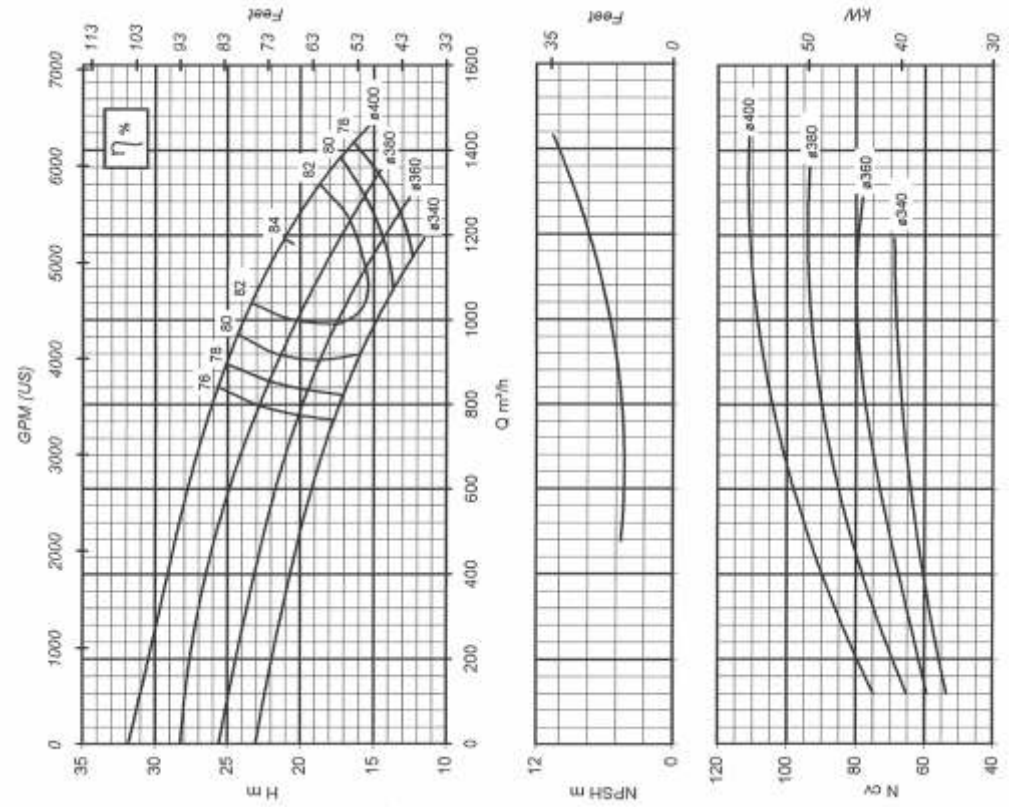
BP 300-340 ROTOR "B" 1160 RPM



Impeller Ø Max.	358	mm	Suction Flange 350 mm
Impeller Ø Min.	315	mm	Pressure Flange 300 mm
Viscosity		μ =1 cP	Specific Weigth γ =1 kgf/dm³

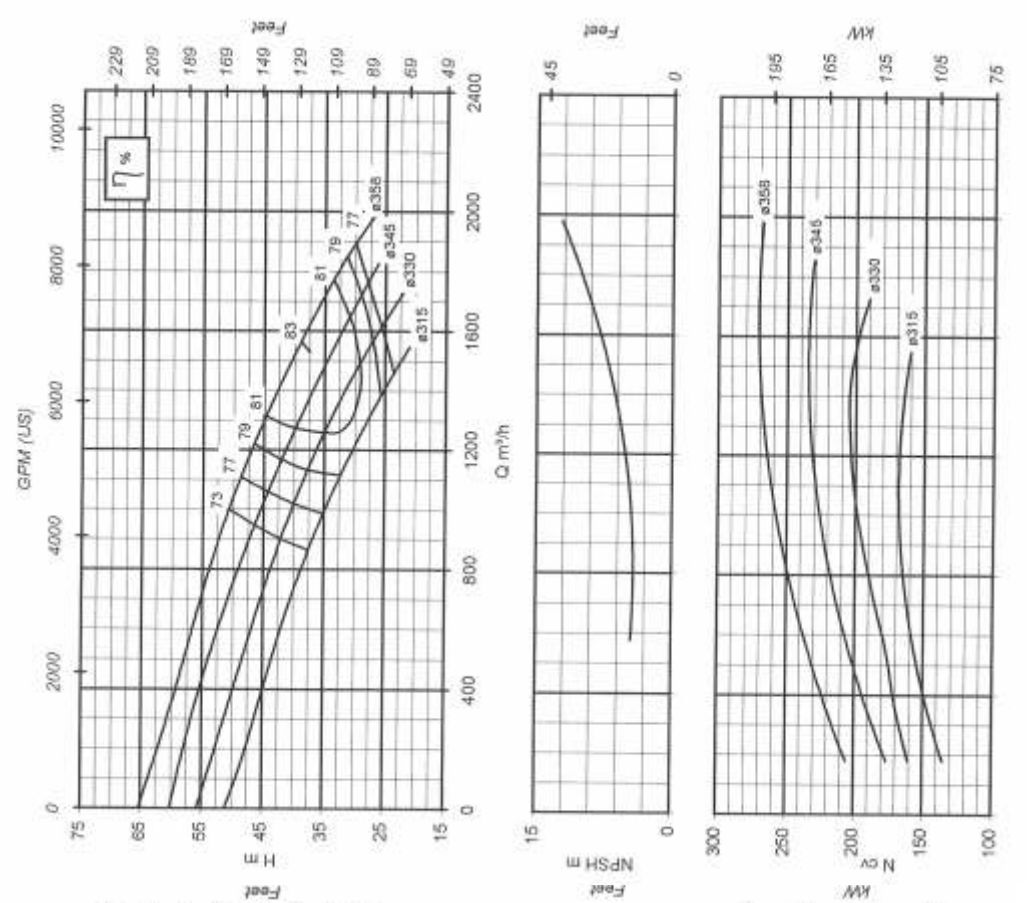
BP 300-340 ROTOR "A" 1160 RPM



Impeller Ø Max.	400	mm	Suction Flange 350 mm
Impeller Ø Min.	340	mm	Pressure Flange 300 mm
Viscosity		μ =1 cP	Specific Weigth γ =1 kgf/dm³

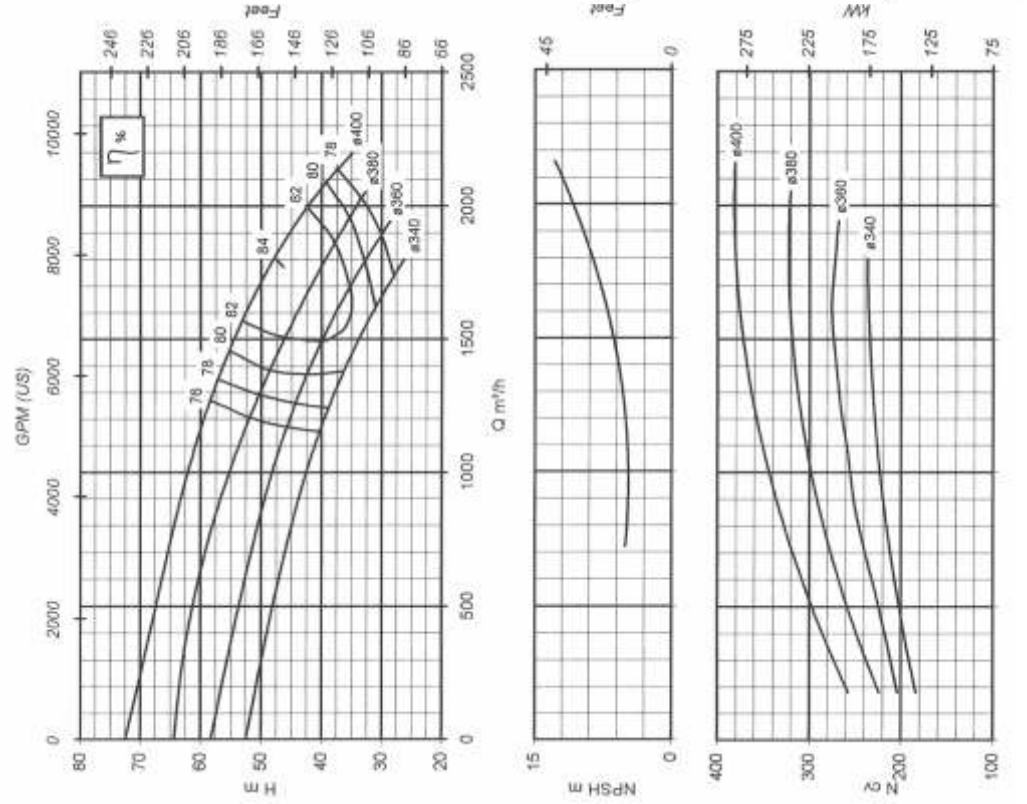
IMBIL Pumping Solutions

BP 300-340 ROTOR "B" 1750 RPM



Impeller Ø Max.	358	mm	**Suction Flange**	350	mm
Impeller Ø Min.	315	mm	**Pressure Flange**	300	mm
Viscosity		μ=1 cP	**Specific Weigth**		γ =1 kgf/dm³

BP 300-340 ROTOR "A" 1750 RPM



Impeller Ø Max.	400	mm	**Suction Flange**	350	mm
Impeller Ø Min.	340	mm	**Pressure Flange**	300	mm
Viscosity		μ=1 cP	**Specific Weigth**		γ =1 kgf/dm³

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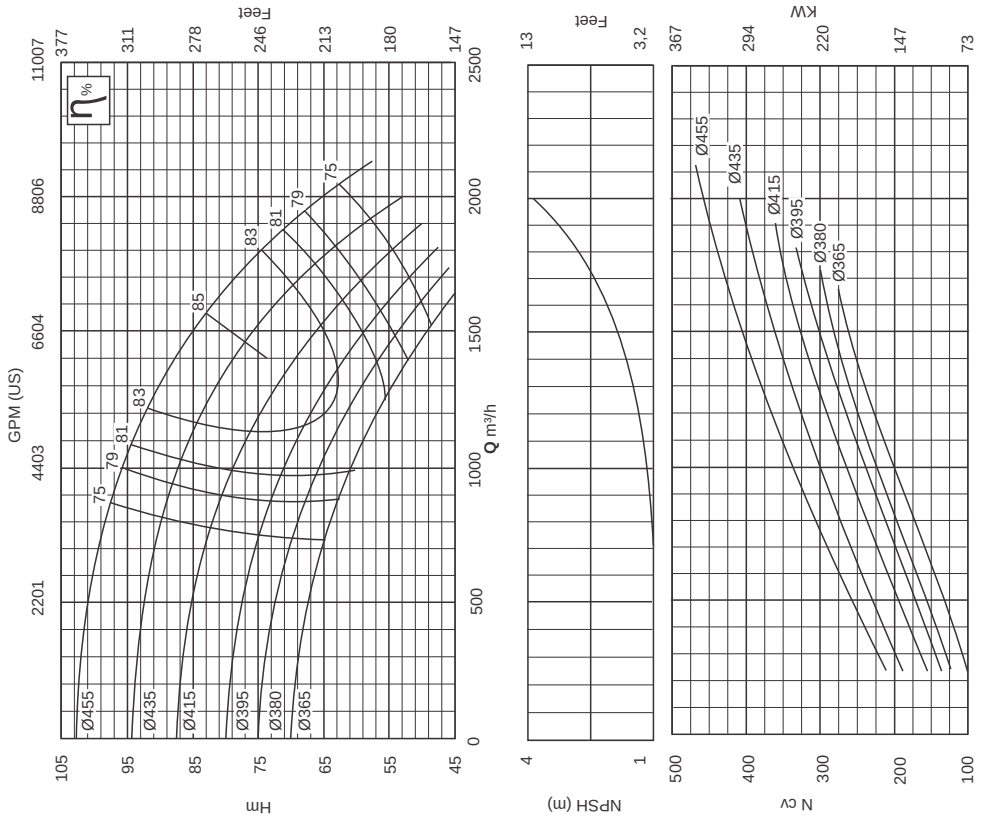
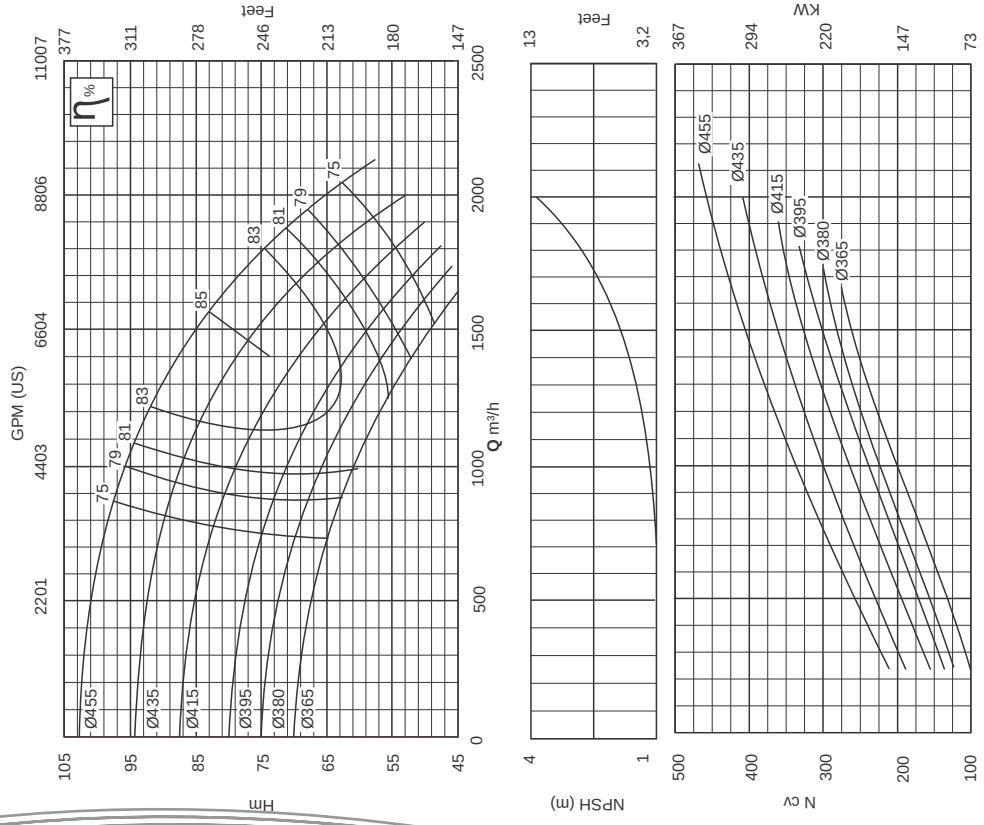
BP 300-400 ROTOR "A" 1750 RPM



Impeller Ø Max.	455 mm	**Suction Flange**	350 mm		
Impeller Ø Min.	365 mm	**Pressure Flange**	300 mm		
Viscosity	μ = 1 cP	**Specific Weigth**	γ = 1 kgf/dm³		

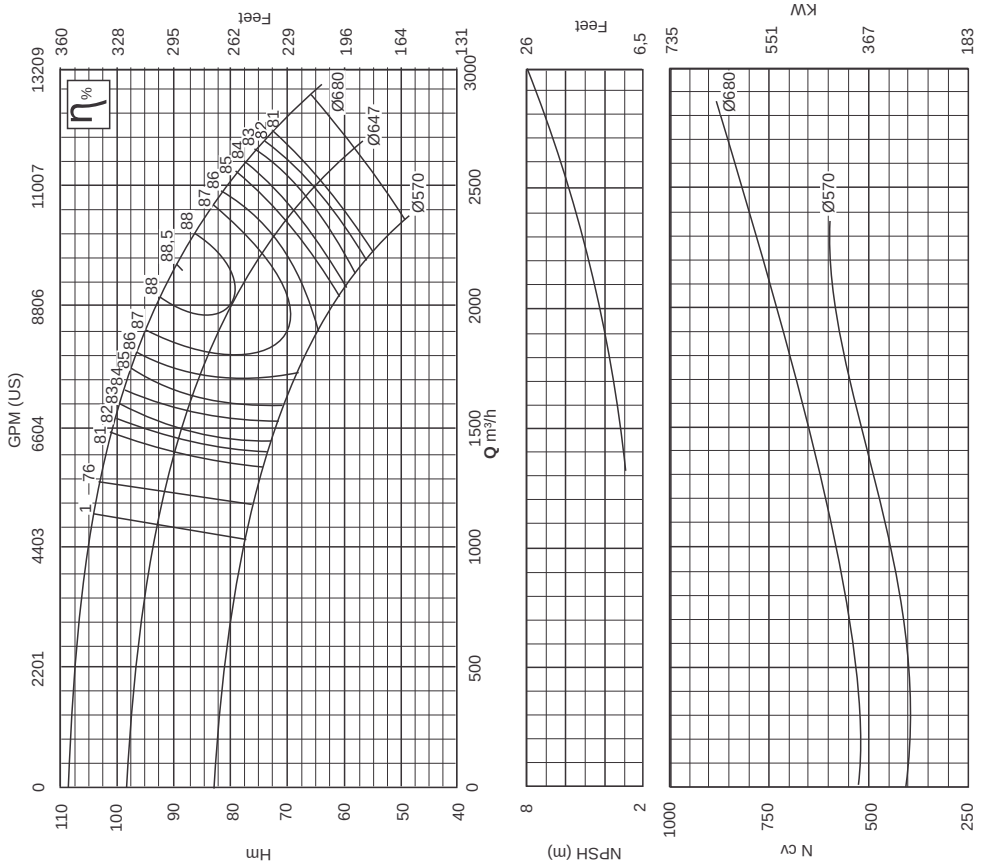
BP 300-400 ROTOR "A" 1750 RPM



Impeller Ø Max.	455 mm	**Suction Flange**	350 mm		
Impeller Ø Min.	365 mm	**Pressure Flange**	300 mm		
Viscosity	μ = 1 cP	**Specific Weigth**	γ = 1 kgf/dm³		

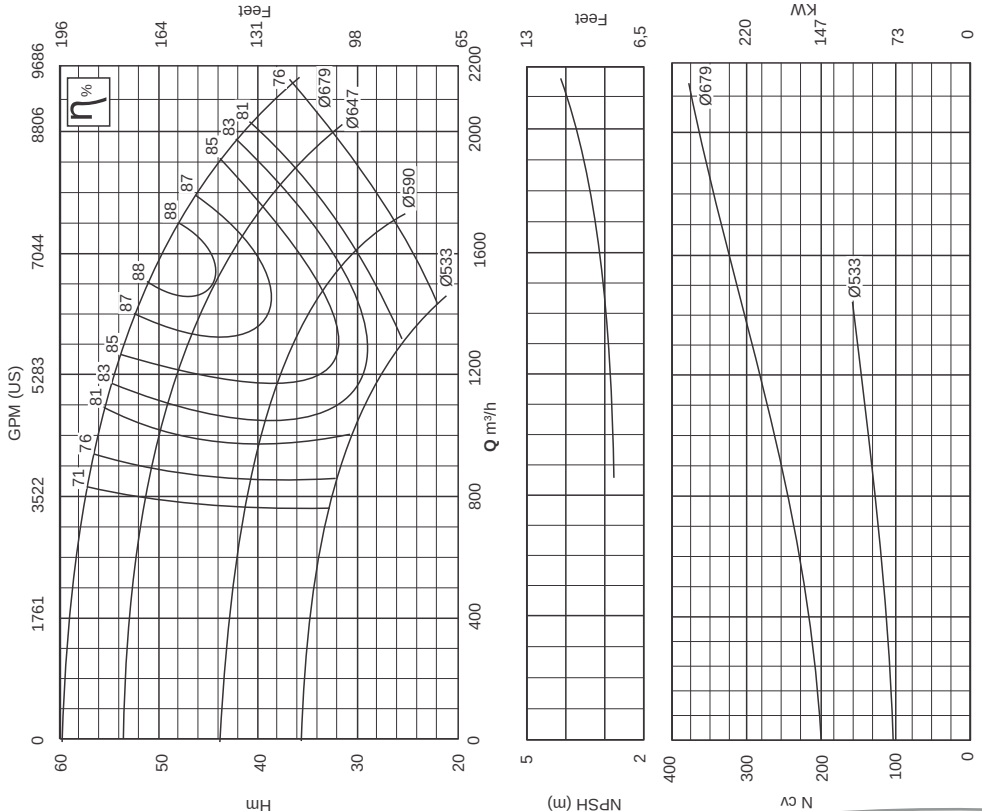
IMBIL Pumping Solutions

BP 300-660 ROTOR "A" 1175 RPM



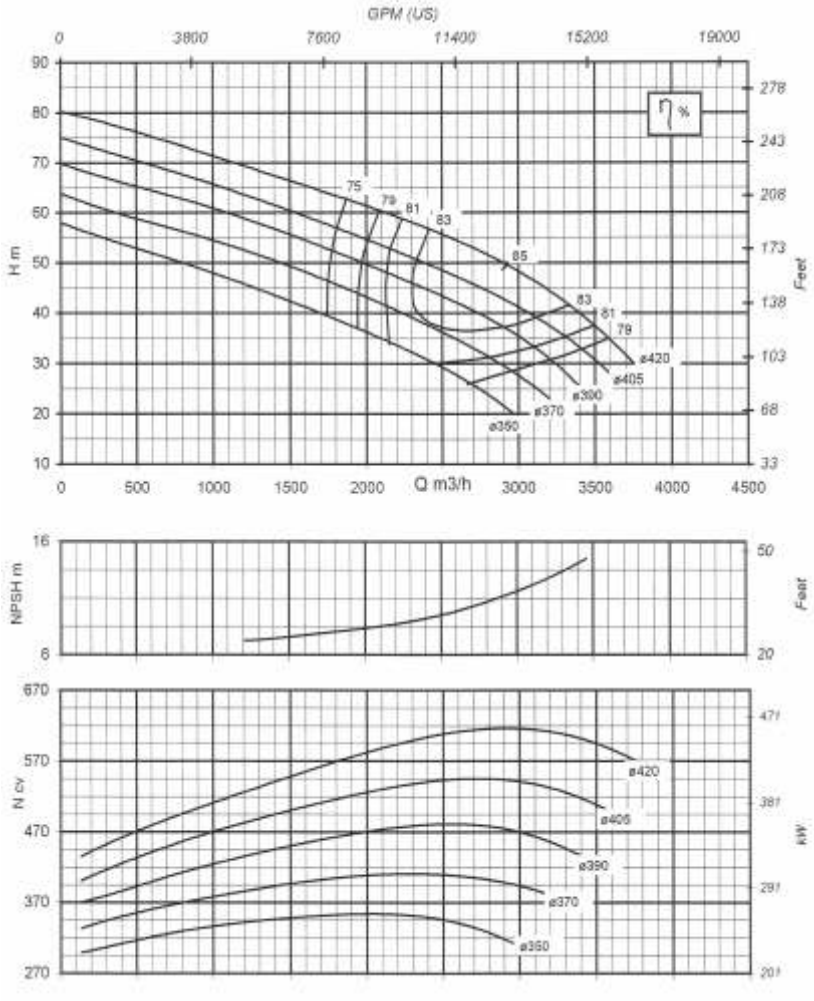
Impeller Ø Max.	679 mm	**Suction Flange**	450 mm		
Impeller Ø Min.	597 mm	**Pressure Flange**	300 mm		
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³		

BP 300-660 ROTOR "A" 880 RPM



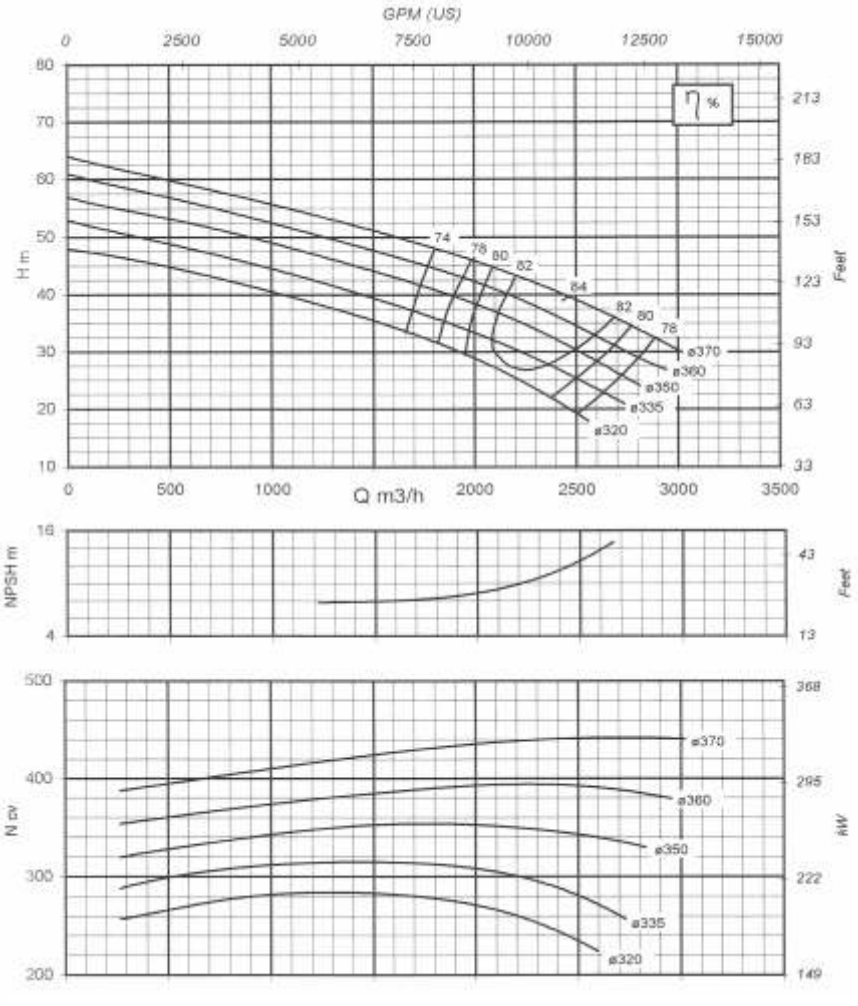
Impeller Ø Max.	679 mm	**Suction Flange**	450 mm		
Impeller Ø Min.	533 mm	**Pressure Flange**	300 mm		
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm³		

BP 400-390 ROTOR "A" 1750 RPM



Impeller Ø Max.	420	mm	Suction Flange	500	mm
Impeller Ø Min.	350	mm	Pressure Flange	400	mm
Viscosity		μ =1 cP	Specific Weigth	γ =1 kgf/dm^3	

BP 400-390 ROTOR "B" 1750 RPM



Impeller Ø Max.	370	mm	Suction Flange	500	mm
Impeller Ø Min.	320	mm	Pressure Flange	400	mm
Viscosity		μ =1 cP	Specific Weigth	γ =1 kgf/dm^3	

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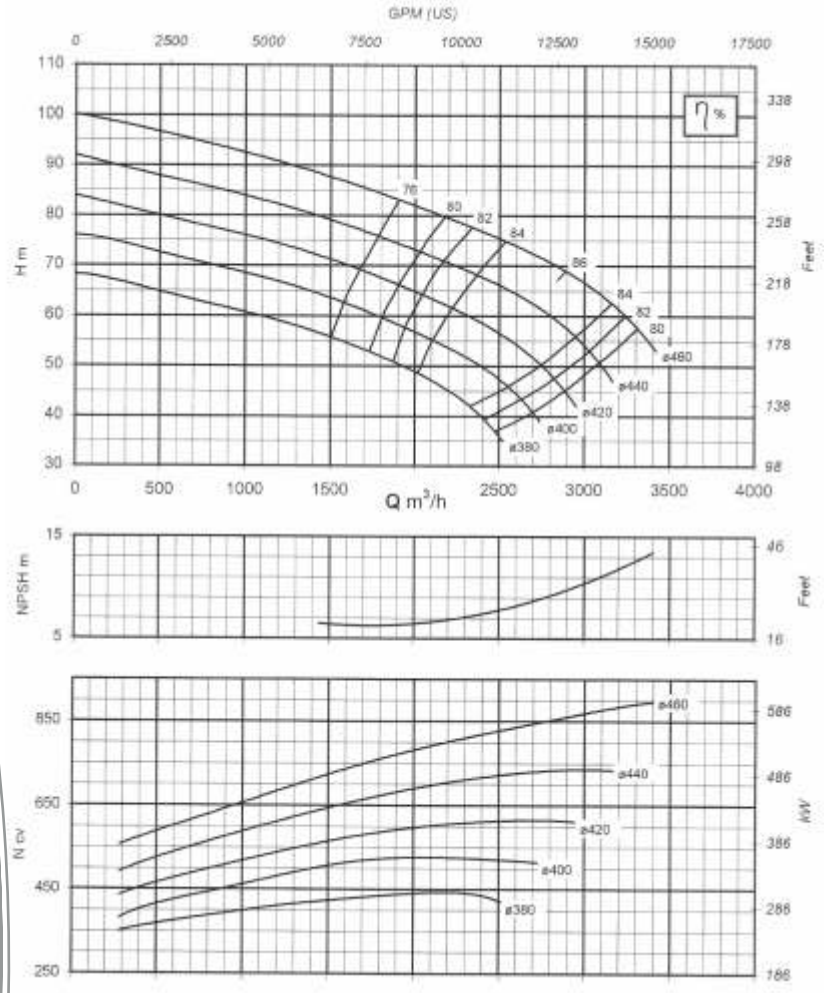
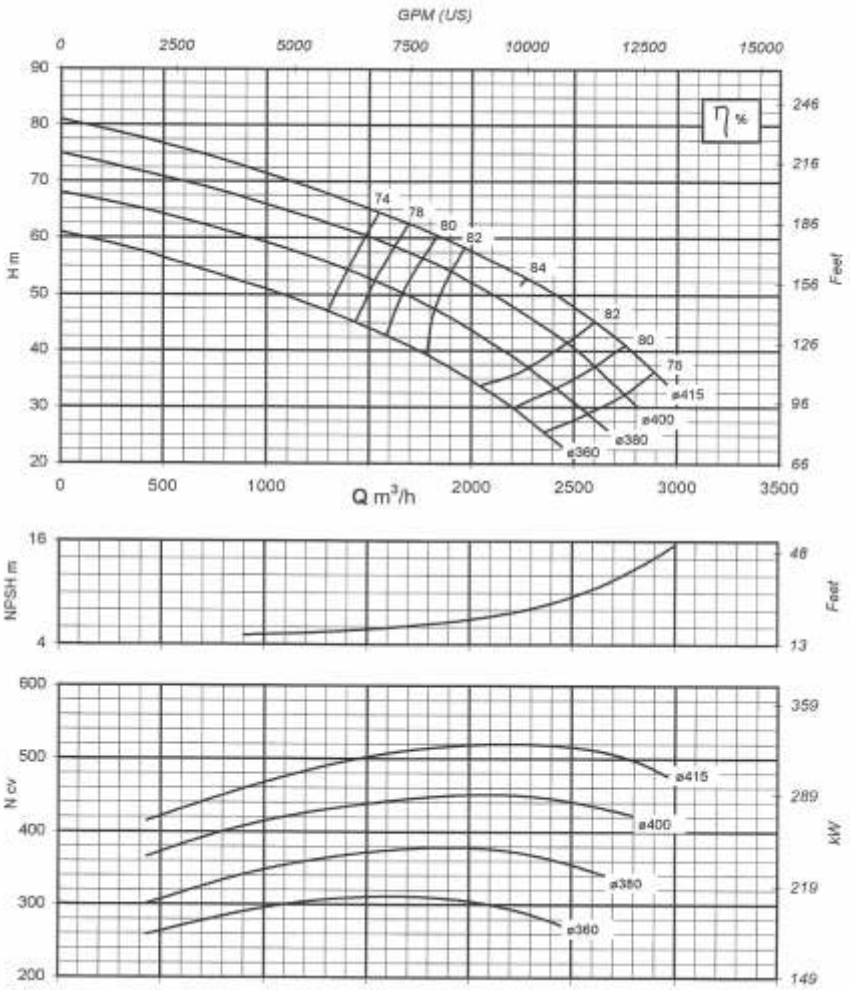
BP 400-440 ROTOR “A” 1750 RPM



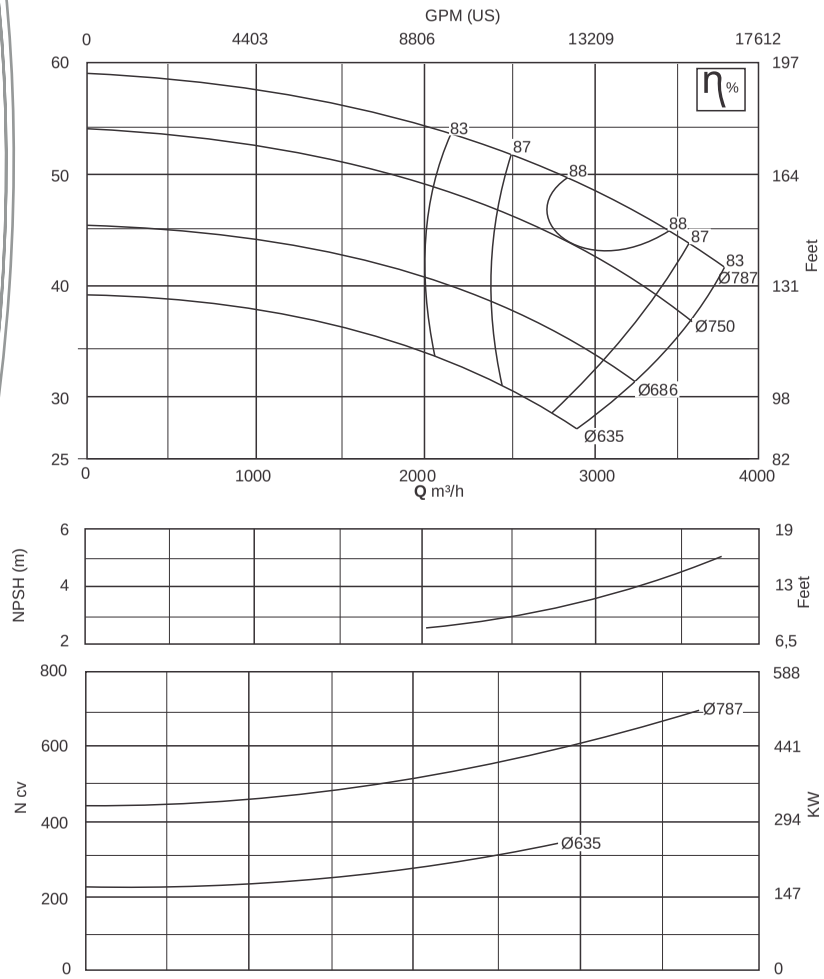
Impeller Ø Max.	460	mm	**Suction Flange**	500	mm
Impeller Ø Min.	380	mm	**Pressure Flange**	400	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

BP 400-440 ROTOR “B” 1750 RPM



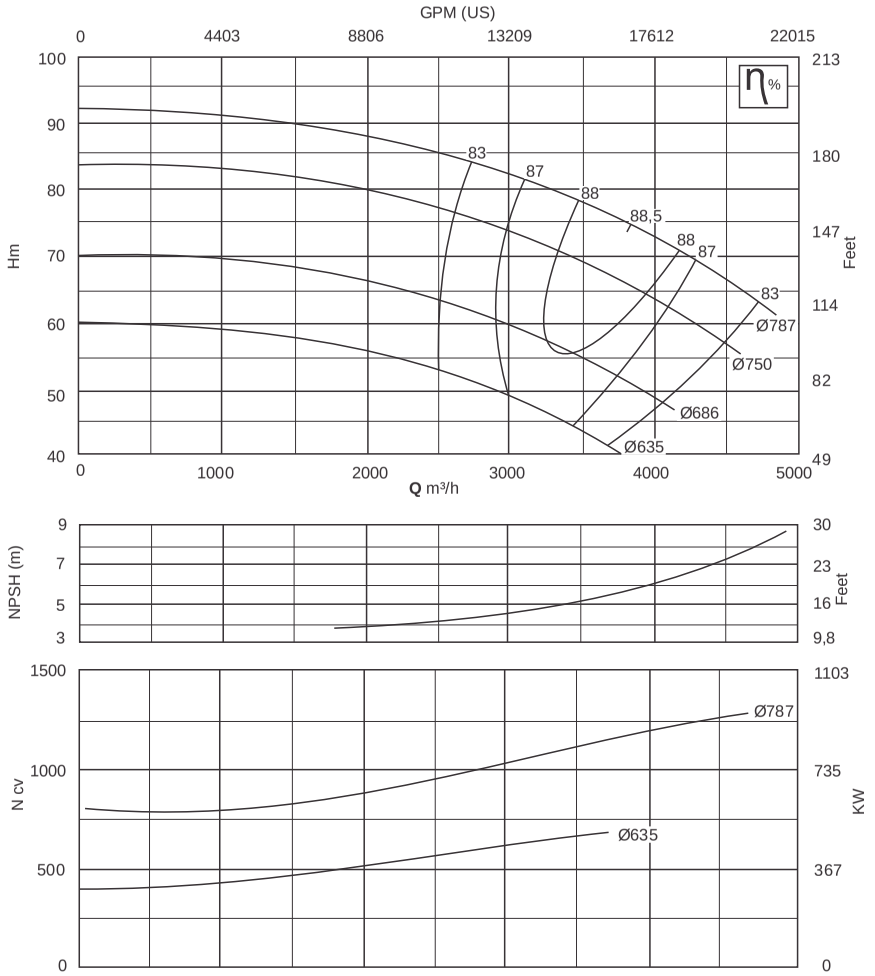
Impeller Ø Max.	415	mm	**Suction Flange**	500	mm
Impeller Ø Min.	360	mm	**Pressure Flange**	400	mm
Viscosity		μ =1 cP	**Specific Weigth**		γ =1 kgf/dm³

BP 400-900 ROTOR “A” 710 RPM



Impeller Ø Max.	787	mm	**Suction Flange**	600	mm
Impeller Ø Min.	635	mm	**Pressure Flange**	400	mm
Viscosity	μ =1 cP		**Specific Weigth**	γ =1 kgf/dm^3	

BP 400-900 ROTOR “A” 880 RPM



Impeller Ø Max.	787	mm	**Suction Flange**	600	mm
Impeller Ø Min.	635	mm	**Pressure Flange**	400	mm
Viscosity	μ =1 cP		**Specific Weigth**	γ =1 kgf/dm^3	

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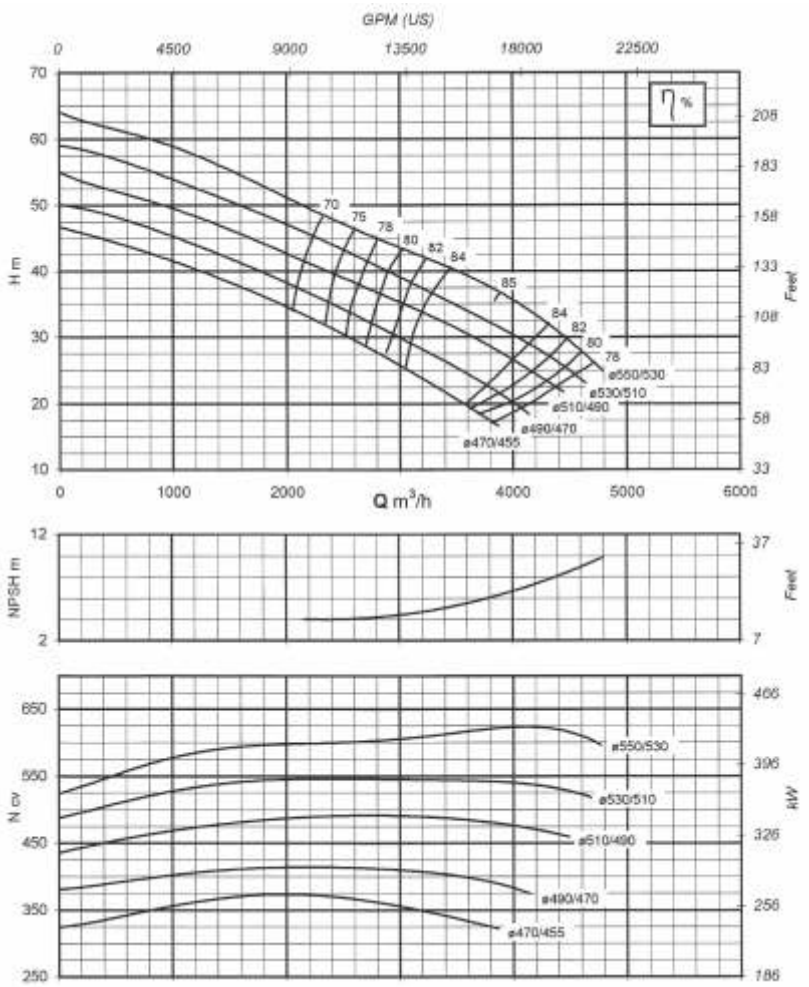
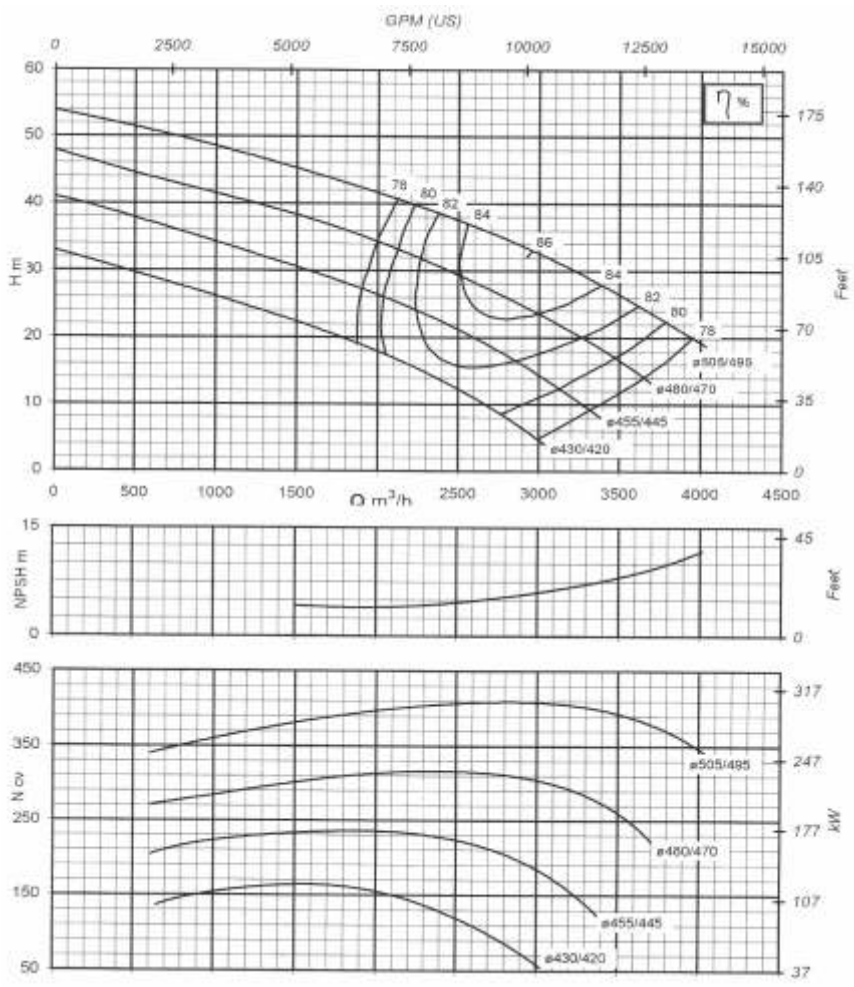
BP 500-510 ROTOR “A” 1160 RPM



Impeller Ø Max. 550	mm	Suction Flange 600	mm
Impeller Ø Min. 455	mm	Pressure Flange 500	mm
Viscosity	μ =1 cP	Specific Weigth	γ =1 kgf/dm^3

BP 500-510 ROTOR “B” 1160 RPM



Impeller Ø Max. 505	mm	Suction Flange 600	mm
Impeller Ø Min. 420	mm	Pressure Flange 500	mm
Viscosity	μ =1 cP	Specific Weigth	γ =1 kgf/dm^3

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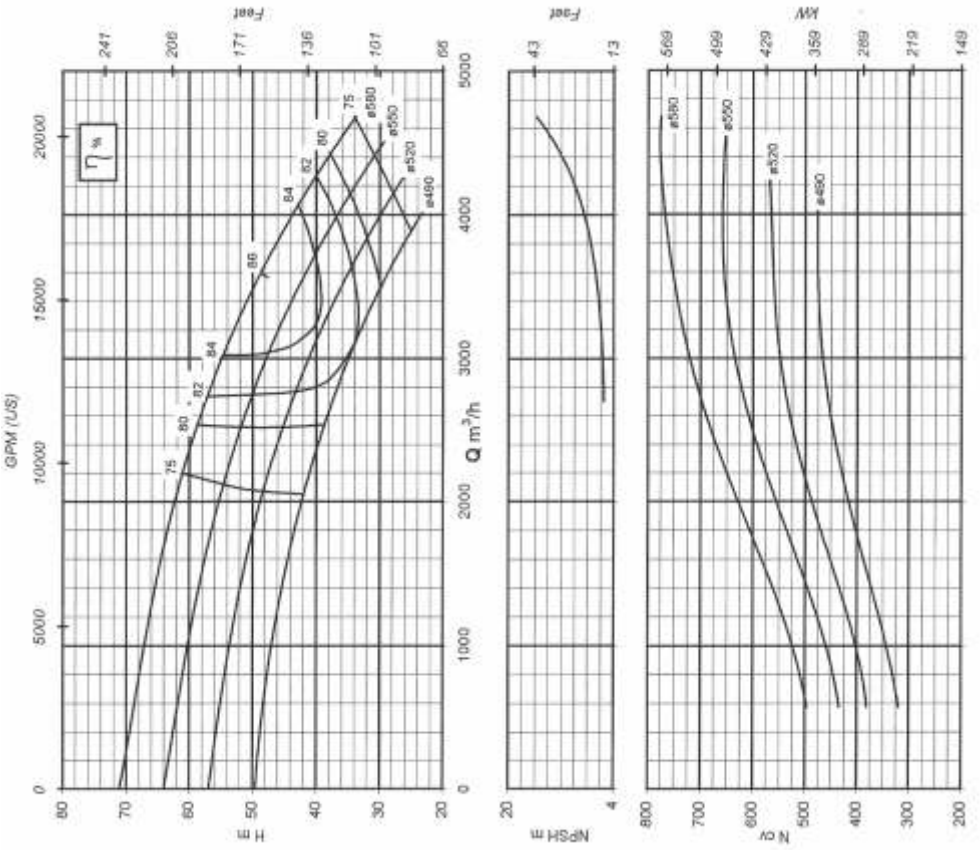
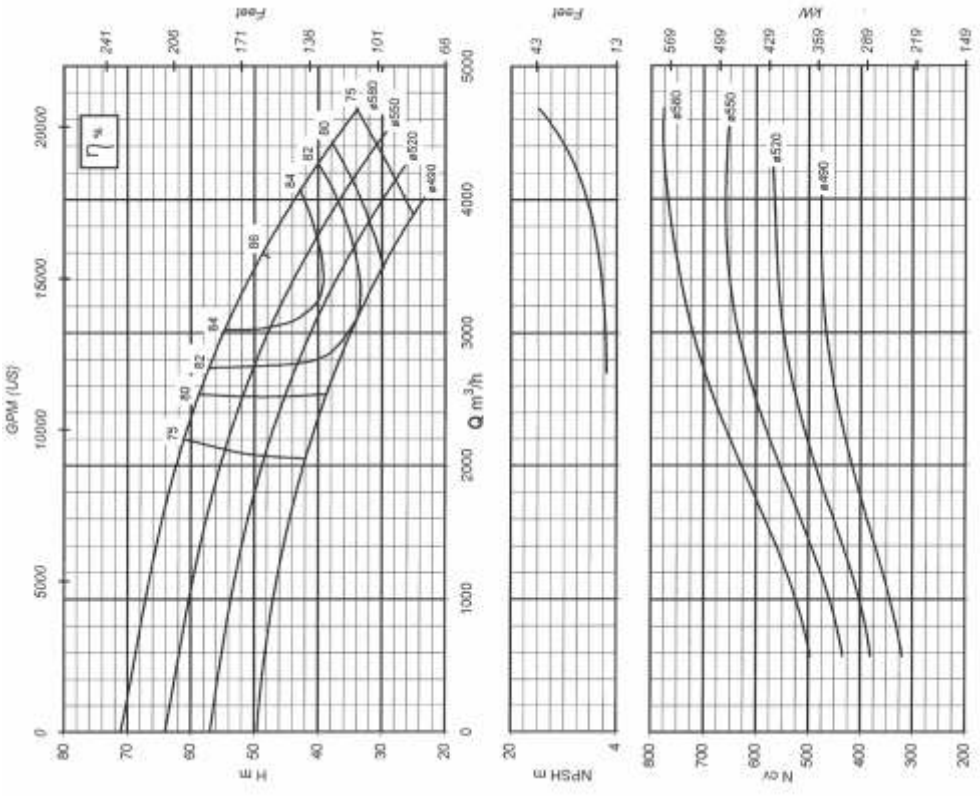
BP 500-640 ROTOR "B" 1160 RPM



Impeller Ø Max.	580	mm	**Suction Flange**	600	mm
Impeller Ø Min.	490	mm	**Pressure Flange**	500	mm
Viscosity		μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³	

BP 500-640 ROTOR "A" 1160 RPM



Impeller Ø Max.	580	mm	**Suction Flange**	600	mm
Impeller Ø Min.	490	mm	**Pressure Flange**	500	mm
Viscosity		μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³	

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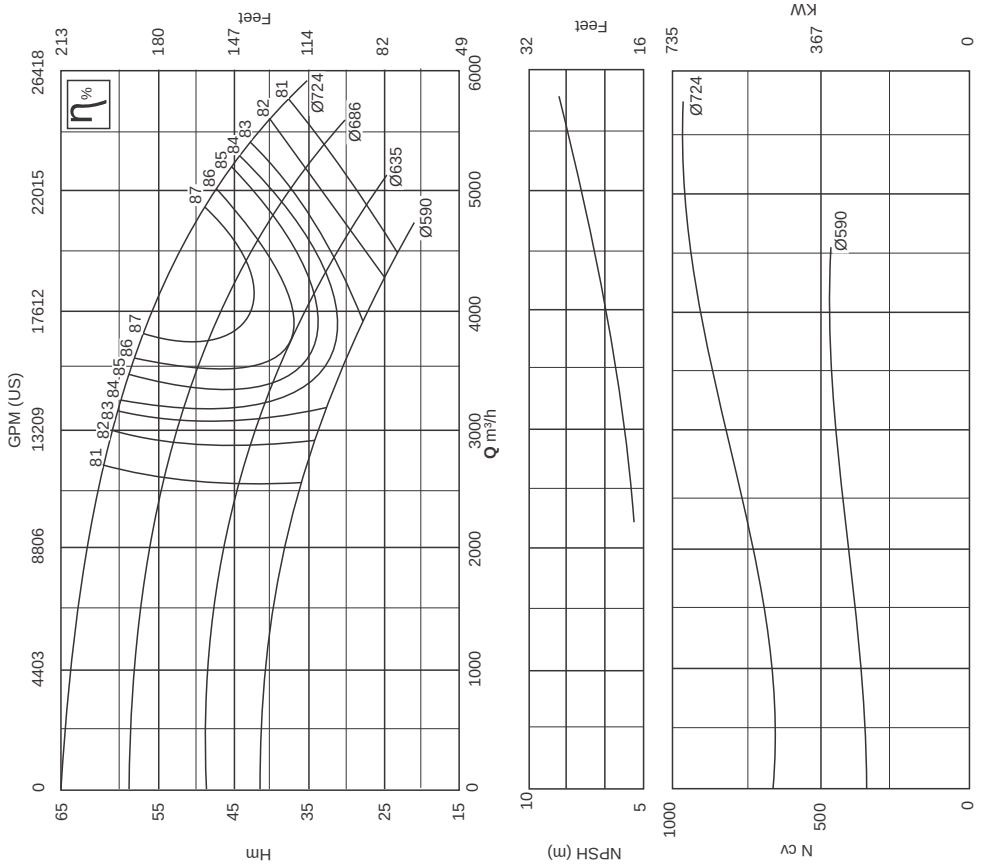
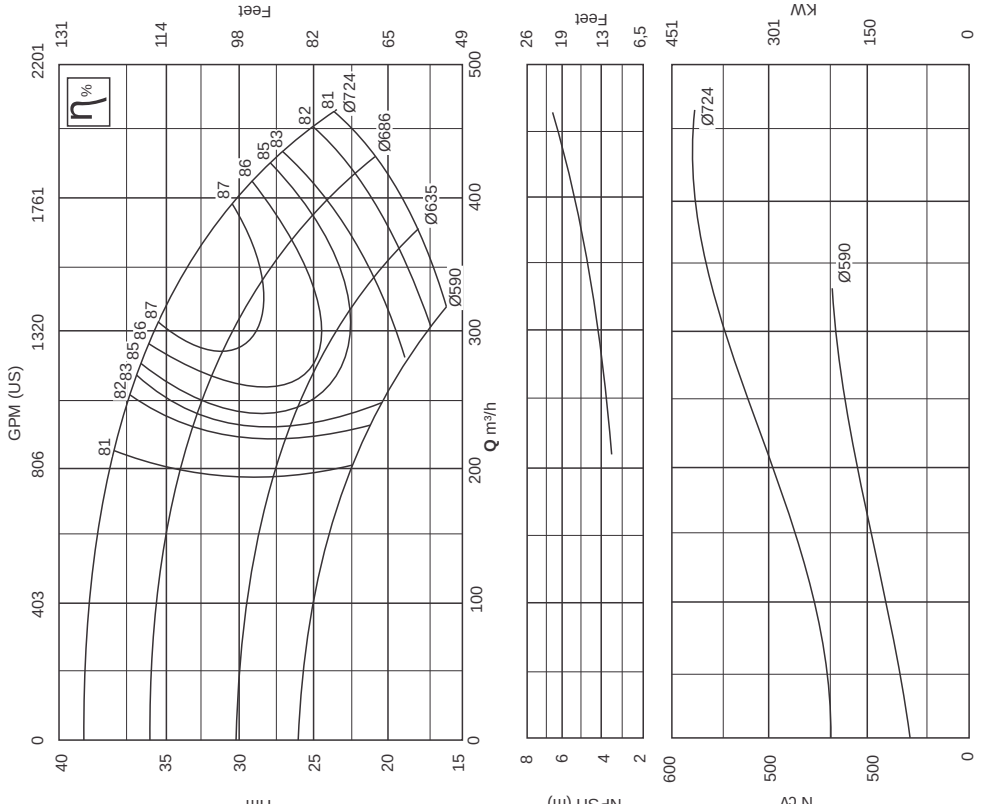
BP 500-700 ROTOR "B" 880 RPM



Impeller Ø Max.	724 mm	Suction Flange	600 mm
Impeller Ø Min.	592 mm	Pressure Flange	500 mm
Viscosity	μ=1 cP	Specific Weigth	γ =1 kgf/dm³

BP 500-700 ROTOR "B" 710 RPM



Impeller Ø Max.	724 mm	Suction Flange	600 mm
Impeller Ø Min.	594 mm	Pressure Flange	500 mm
Viscosity	μ=1 cP	Specific Weigth	γ =1 kgf/dm³

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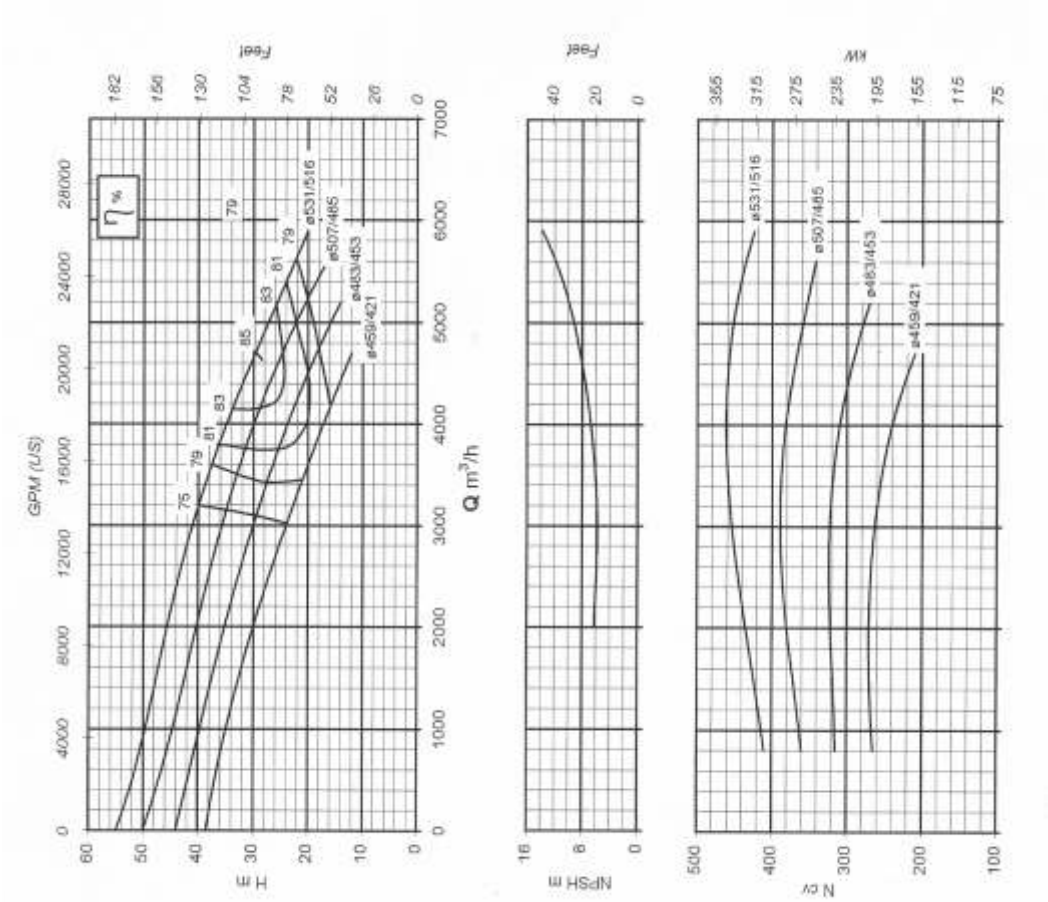
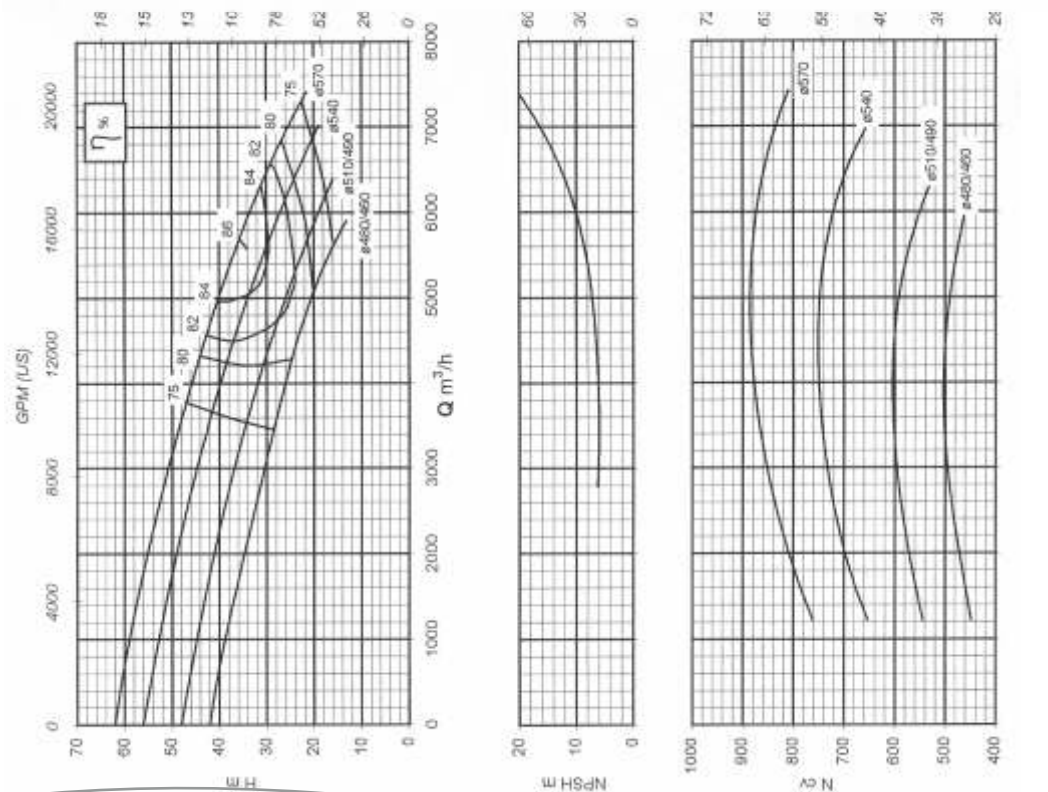
BP 600-540 ROTOR "B" 1160 RPM



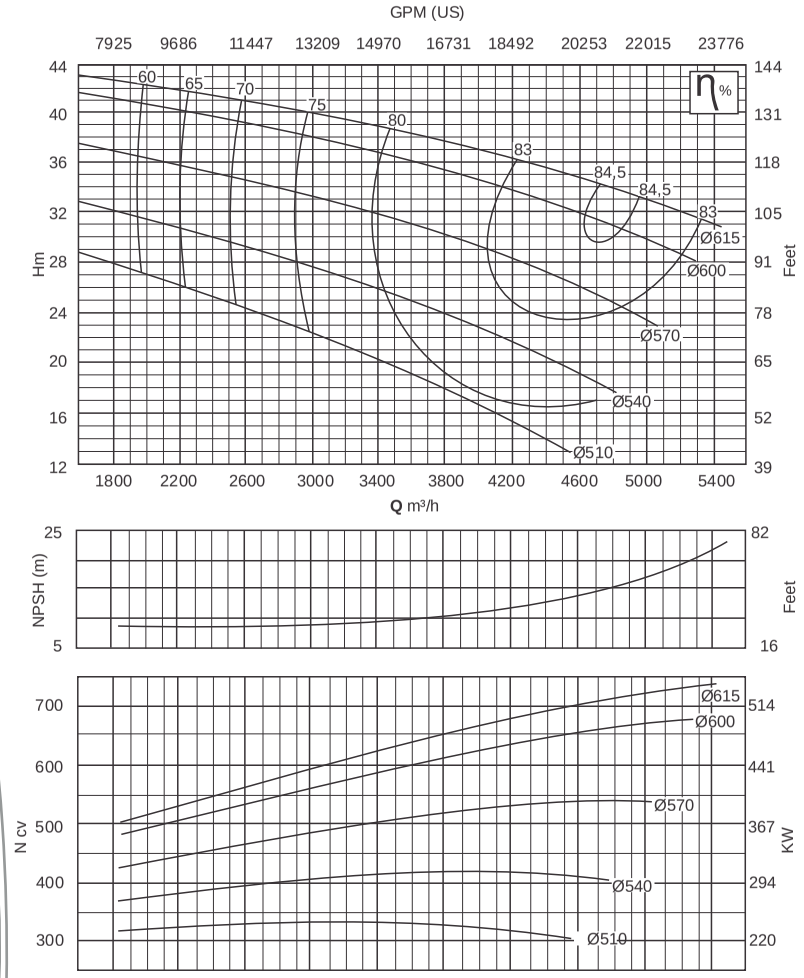
Impeller Ø Max. 531/516	**mm**	**Suction Flange 700**	**mm**
Impeller Ø Min. 459/421	mm	**Pressure Flange** 600	mm
Viscosity	μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³

BP 600-540 ROTOR "A" 1160 RPM



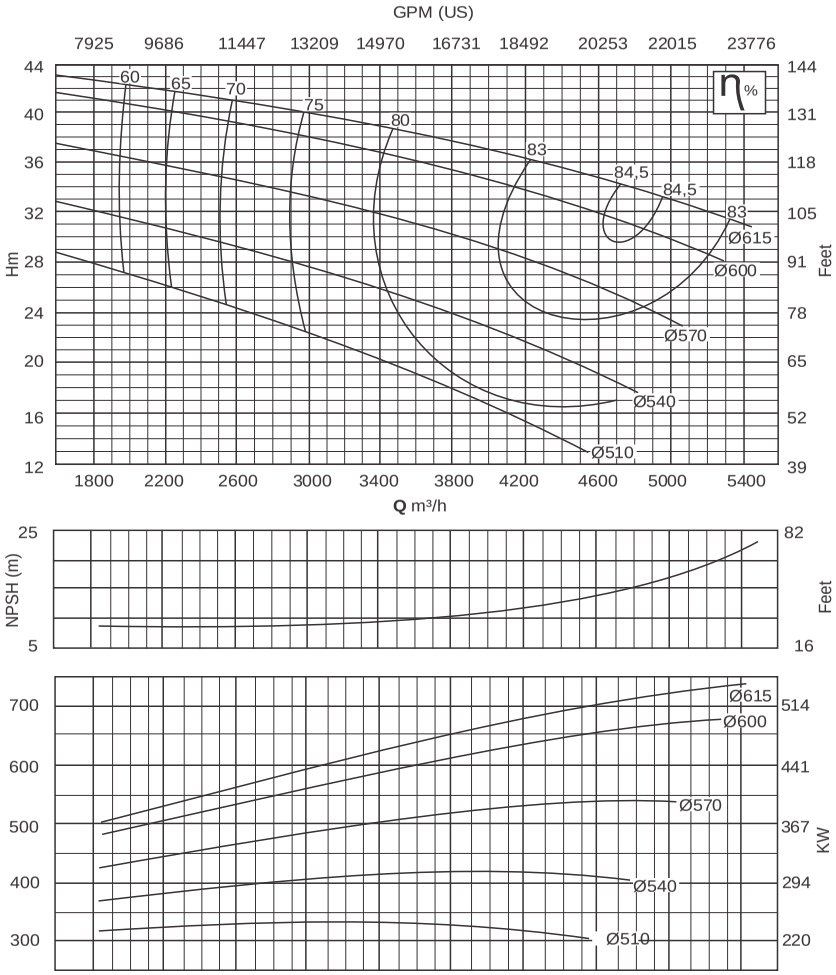
Impeller Ø Max. 570	**mm**	**Suction Flange 700**	**mm**
Impeller Ø Min. 460	mm	**Pressure Flange** 600	mm
Viscosity	μ=1 cP	**Specific Weigth**	γ =1 kgf/dm³

BP 600-620 ROTOR “A” 850 RPM



Impeller Ø Max.	615 mm	**Suction Flange**	830 mm
Impeller Ø Min.	510 mm	**Pressure Flange**	650 mm
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3

BP 600-620 ROTOR “A” 850 RPM



Impeller Ø Max.	615 mm	**Suction Flange**	830 mm
Impeller Ø Min.	510 mm	**Pressure Flange**	650 mm
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3

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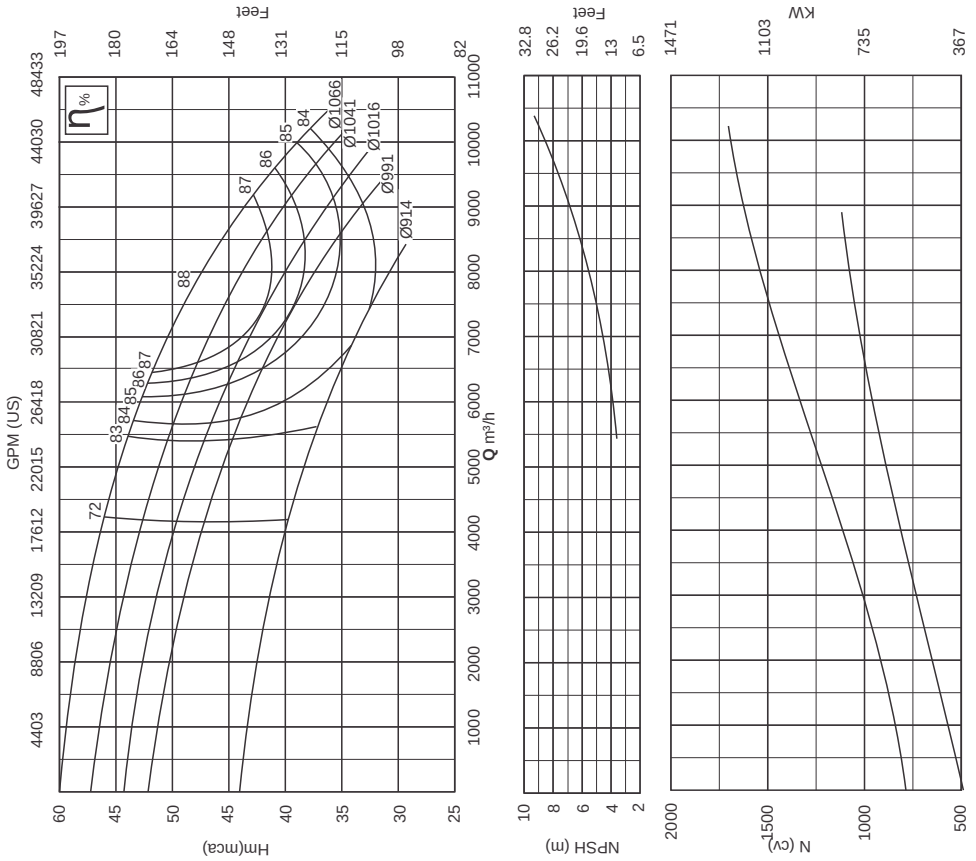
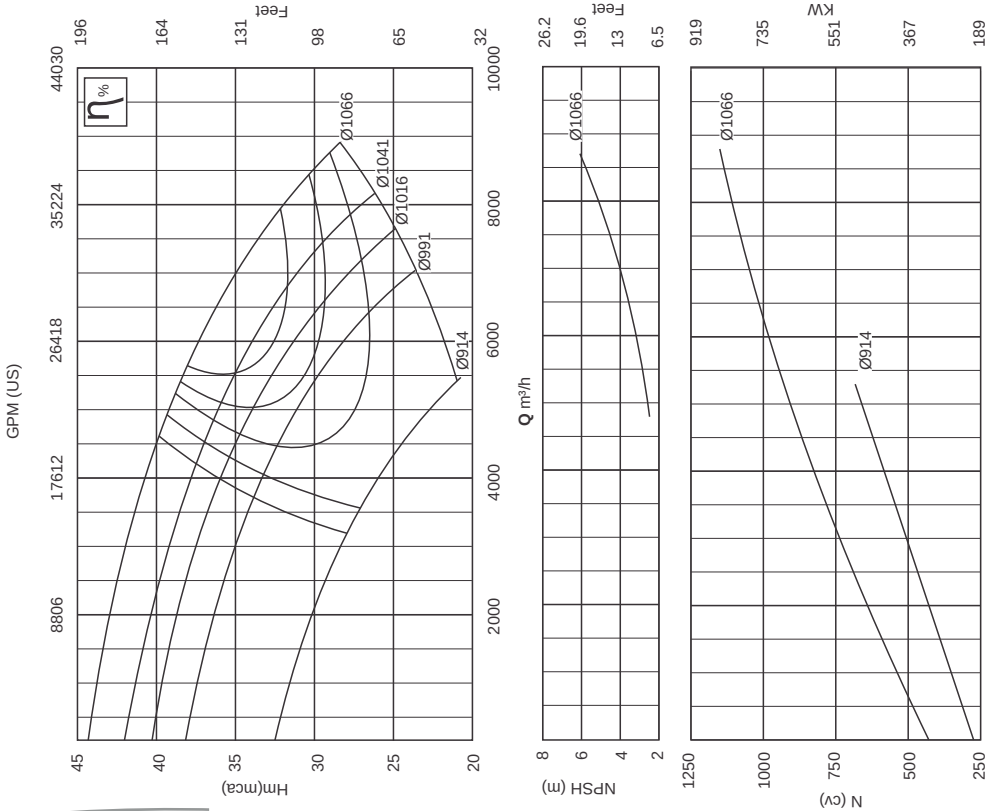
BP 750-1000 ROTOR "E" 585 RPM



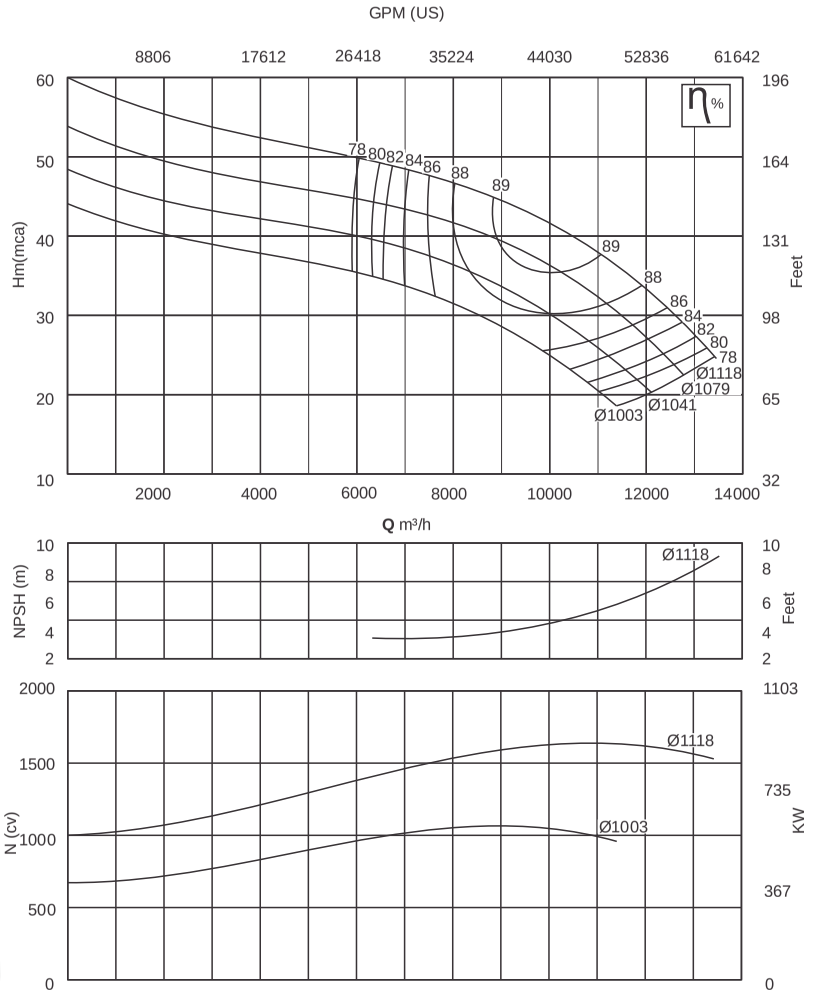
Impeller Ø Max.	1066 mm		**Suction Flange**	910 mm	
Impeller Ø Min.	914 mm		**Pressure Flange**	760 mm	
Viscosity	μ = 1 cP		**Specific Weigth**	γ = 1 kgf/dm³	

BP 750-1000 ROTOR "E" 505 RPM



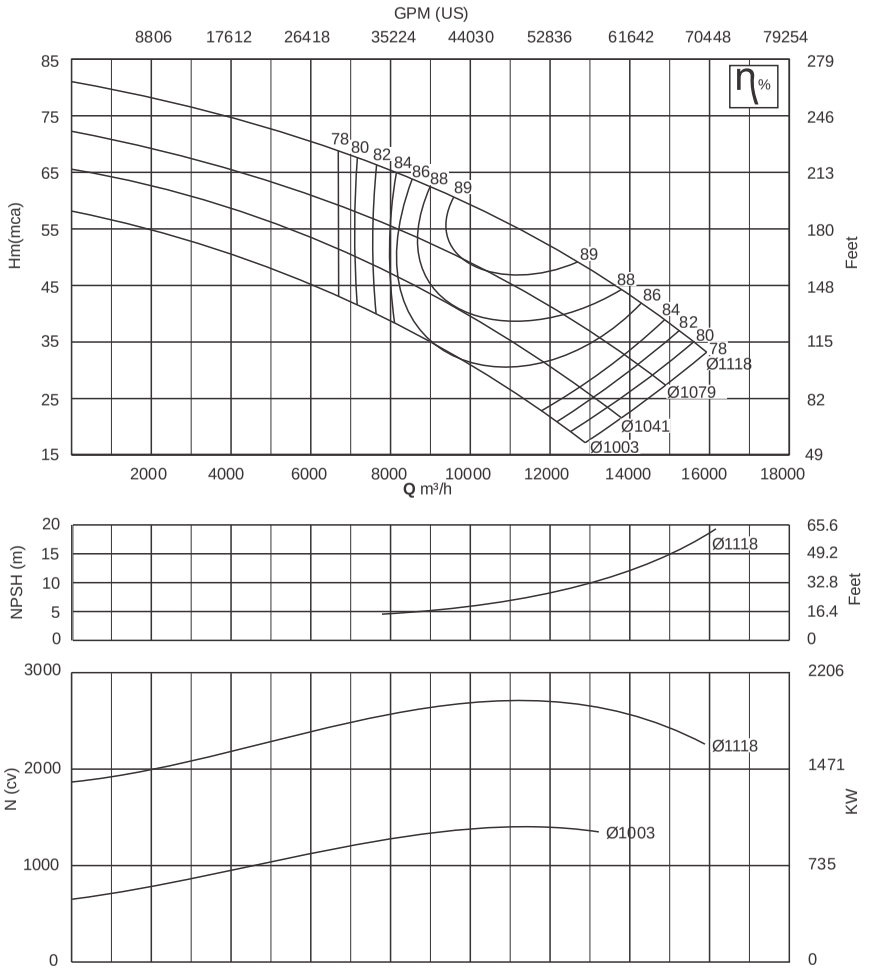
Impeller Ø Max.	1066 mm		**Suction Flange**	910 mm	
Impeller Ø Min.	914 mm		**Pressure Flange**	760 mm	
Viscosity	μ = 1 cP		**Specific Weigth**	γ = 1 kgf/dm³	

BP 750-1000 ROTOR “B” 505 RPM



Impeller Ø Max.	1118 mm	**Suction Flange**	910 mm
Impeller Ø Min.	1003 mm	**Pressure Flange**	760 mm
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3

BP 750-1000 ROTOR “B” 585 RPM



Impeller Ø Max.	1118 mm	**Suction Flange**	910 mm
Impeller Ø Min.	1003 mm	**Pressure Flange**	760 mm
Viscosity	μ =1 cP	**Specific Weigth**	γ =1 kgf/dm^3

Bombas BP

Split Case

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