

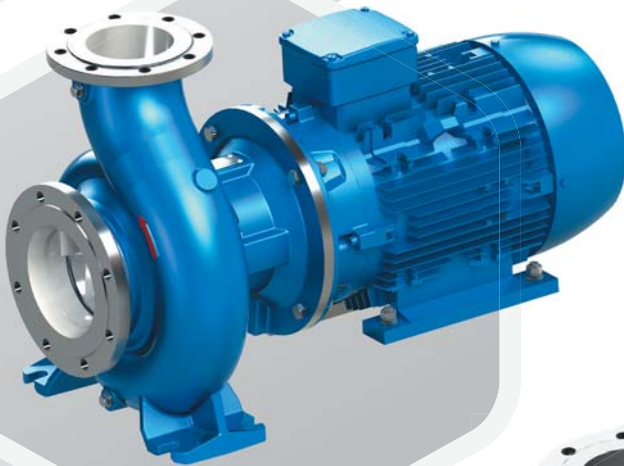


Engineering Flow Solutions

OVERHUNG / MONOBLOCK PUMPS

Kordis

TECHNICAL CATALOGUE



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KORDIS OVERHUNG / MONOBLOCK PUMPS

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KORDIS OVERHUNG / MONOBLOCK PUMPS

GENERAL DESCRIPTION

The Kordis pumps series is designed for handling water as well as chemically active liquids and the other fluids similar by specific weight, viscosity, density and corrosion impact on the pump materials.

The pumps energy efficiency complies with EN 16480:2016 with Minimum Efficiency Index (MEI) > 0.7.

Design of the pumps and pumping units including their connecting dimensions meets the ISO 9905:1994 / EN 733 standard requirements.

The Kordis pump series is produced by one of the leading Russian pump manufacturing companies – HMS Livgidromash (a part of HMS Group).

APPLICATION

- Water supply
- Water treatment
- HVAC systems
- Sewage disposal
- Firefighting
- Desalination
- Steel & mining
- Power generation



Overhung bareshaft version



Overhung monoblock version close-coupled with electric motor



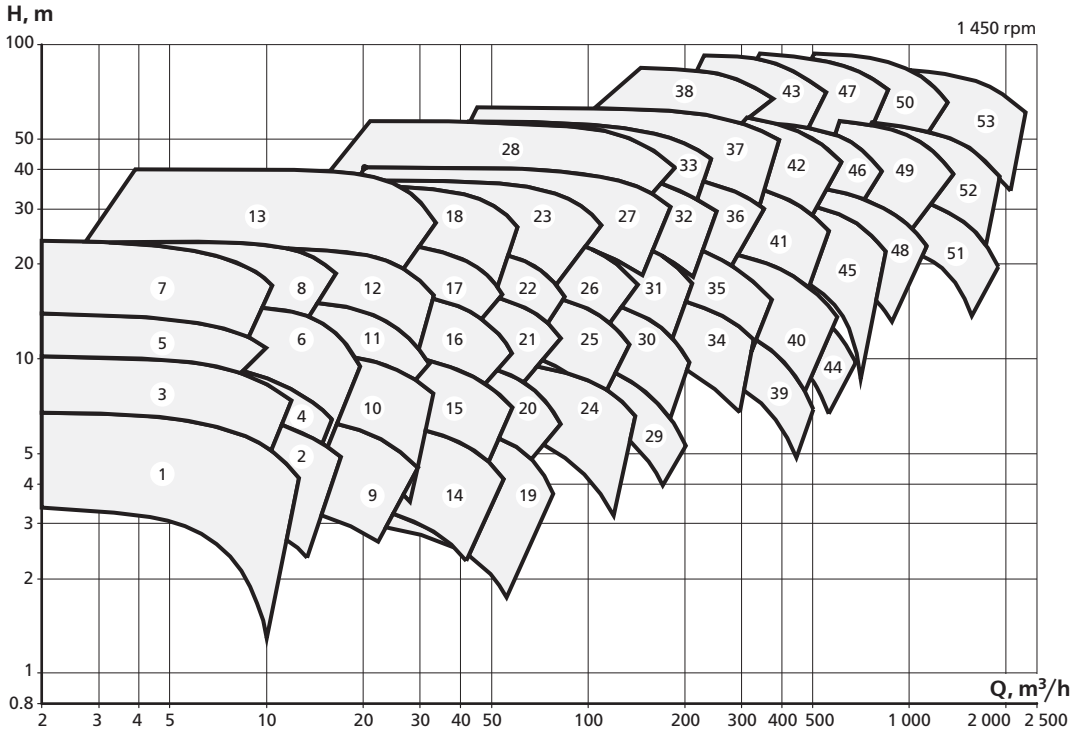
Overhung monoblock vertical version with inline nozzles

TECHNICAL DATA

Capacity range	3 – 2,000 m ³ /h
Head range	2.5 – 100 m
Maximum discharge pressure	up to 16 bar
Electric motor power	up to 400 kW
Temperature of pumped liquid	+1 ... + 120 °C
Solids content by mass	up to 0.2 %

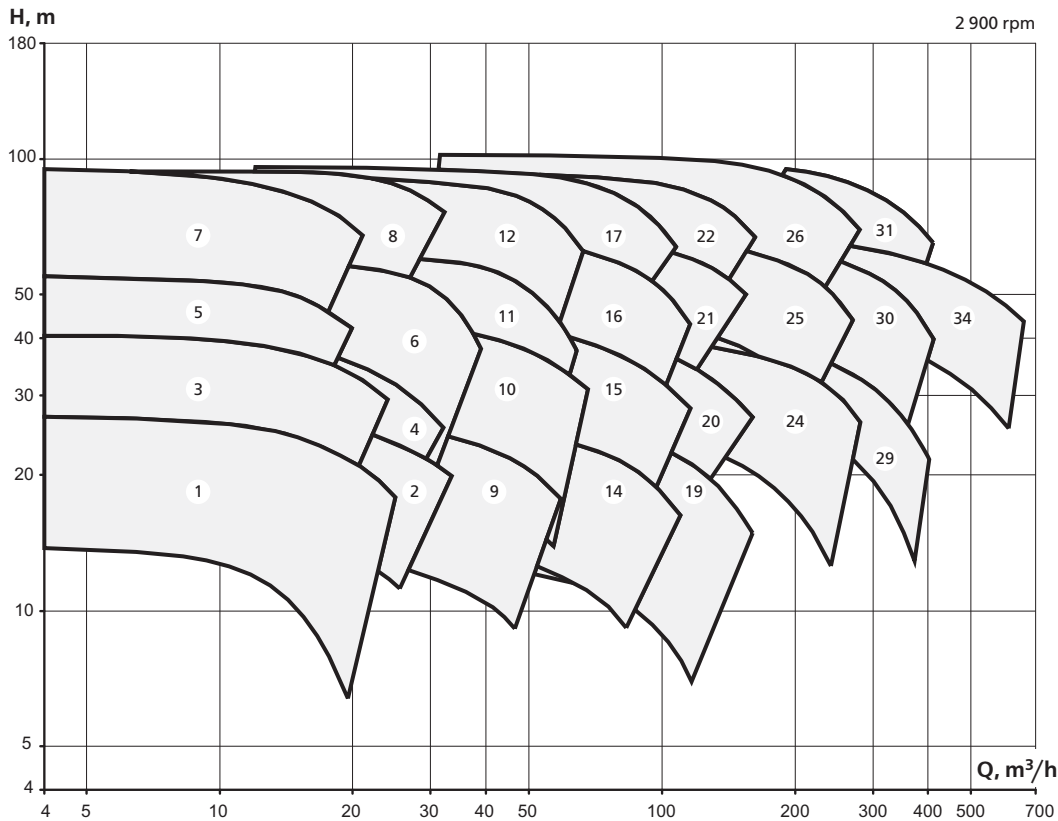
PERFORMANCE RANGE

Pumps with capacity up to 2 000 m³/h



1. 50-32-125.1
2. 50-32-125
3. 50-32-160.1
4. 50-32-160
5. 50-32-200.1
6. 50-32-200
7. 50-32-250.1
8. 50-32-250
9. 65-40-125
10. 65-40-160
11. 65-40-200
12. 65-40-250
13. 65-40-315
14. 65-50-125
15. 65-50-160
16. 65-50-200
17. 65-50-250
18. 65-50-315
19. 80-65-125
20. 80-65-160
21. 80-65-200
22. 80-65-250
23. 80-65-315
24. 100-80-160
25. 100-80-200
26. 100-80-250
27. 100-80-315
28. 100-80-400
29. 125-100-160
30. 125-100-200
31. 125-100-250
32. 125-100-315
33. 125-100-400
34. 150-125-200
35. 150-125-250
36. 150-125-315
37. 150-125-400
38. 150-125-500.2
39. 200-150-200
40. 200-150-250
41. 200-150-315
42. 200-150-400
43. 200-150-500.1
44. 200-200-260
45. 250-200-330
46. 250-200-400
47. 250-200-500
48. 250-250-330
49. 300-250-400
50. 300-250-500
51. 300-300-360
52. 350-300-400
53. 350-300-500

Pumps with capacity up to 700 m³/h



SERIES DESIGNATION

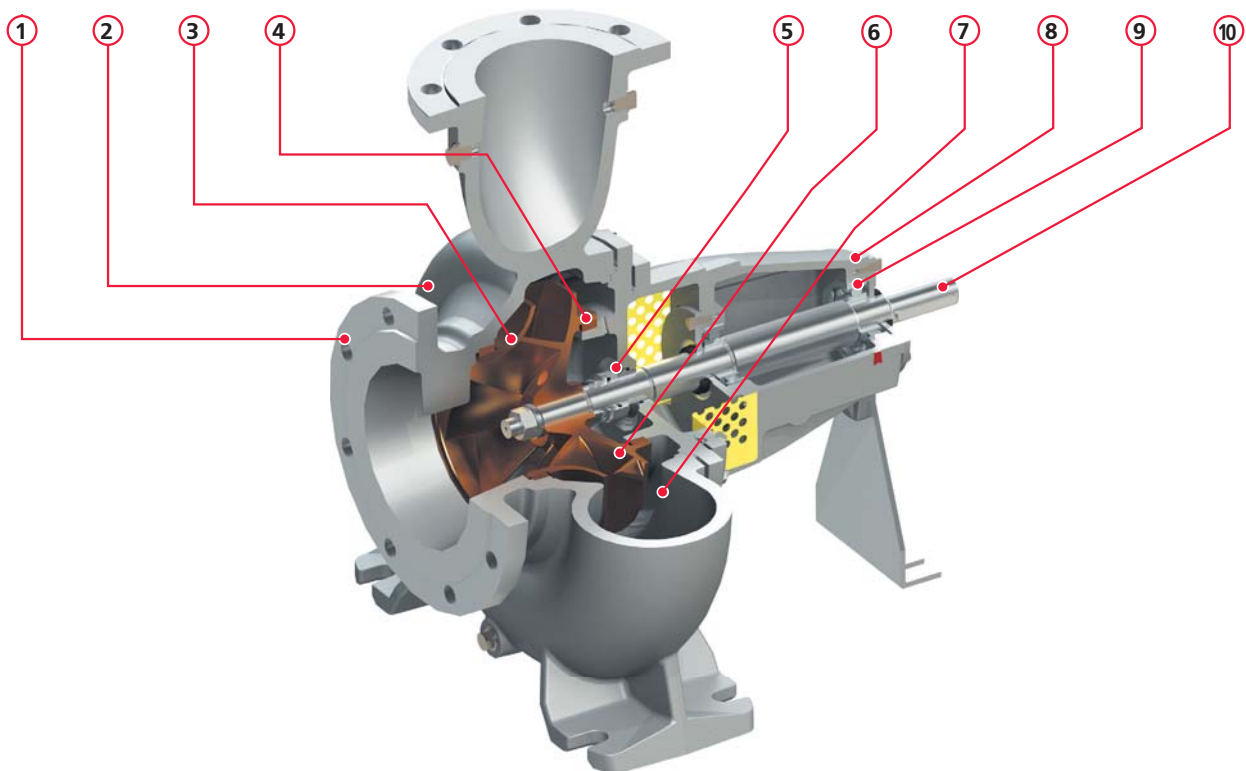
Designation
example*:

KRM 050 - 032 - 125 .1 / 144 - GG - R 01 - G - E / D 3 / 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14

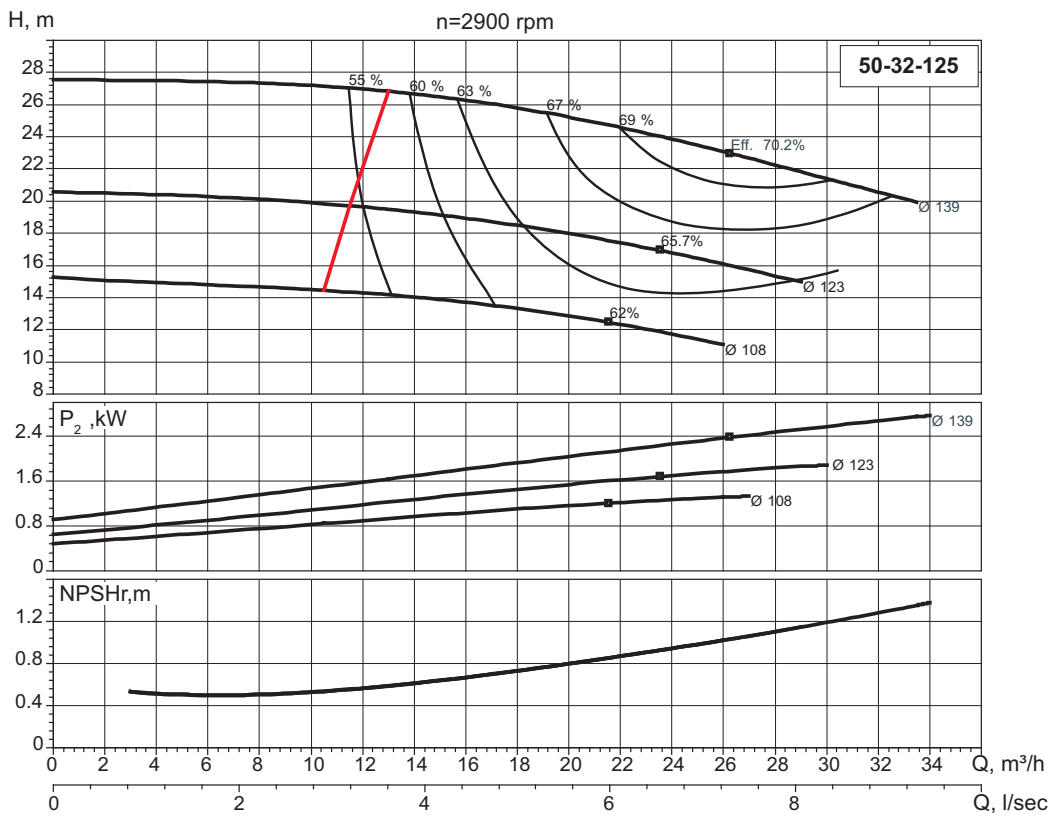
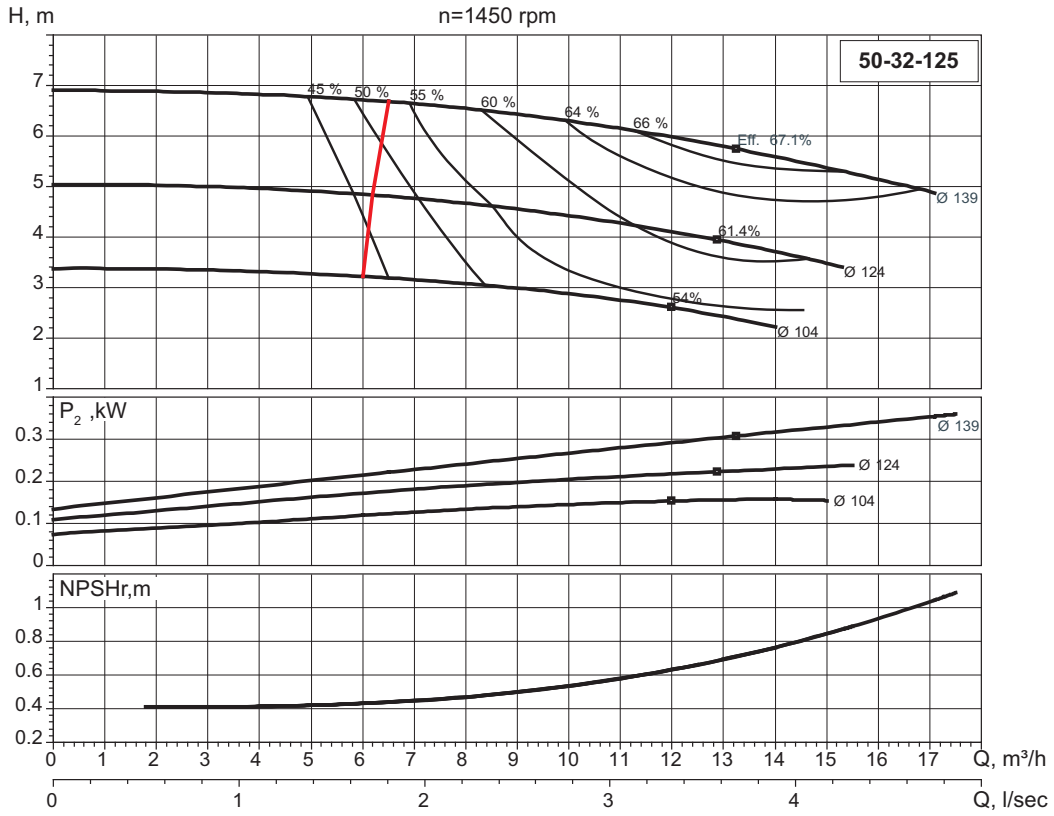
№	Наименование	Описание	
1	KR	Horizontal overhung pump with supports on the casing	
	KRM	Horizontal overhung monoblock pump with supports on the casing	
	KRL	Vertical overhung monoblock pump with inline arranged nozzles	
2	050	Rated diameter suction nozzle (DN), mm	
3	032	Rated diameter of discharge nozzle (DN), mm	
4	125	Rated diameter of impeller, mm	
5	1	Reduced performance index	
6	144	Actual impeller diameter, mm	
7	GG	Material options: 1st index – Case; 2nd index – Impeller	
		G	Grey Cast Iron
		S	Nodular Cast Iron
		O	Carbon Steel
		B	Bronze
		X	Special Version
8	R	Shaft sealing	
		G	Gland seal (available for horizontal overhung pump versions only)
		R	Single mechanical seal
9	01	Mechanical seal options	
		01	Water
		02	Sea water and formation (Cenomanian) water
10	M	Bearing unit lubrication type	
		G	Grease lubrication
		M	Oil bath (available for KR pump version only)
11	E	Pump unit versions KR and KRM designed for operation at fire- and explosion-hazardous facilities	
12	A	A	Bareshaft pump
		B	Pump on the base frame, without coupling
		C	Pump on the base frame with elastic coupling and coupling guard
		D	Pump on the base frame, with electric motor, elastic coupling and coupling guard. Pump with electric motor (for KRM and KRL versions)
		X	Special version
13	3	Electric motor power, kW	
14	2	Poles number in electric motor	

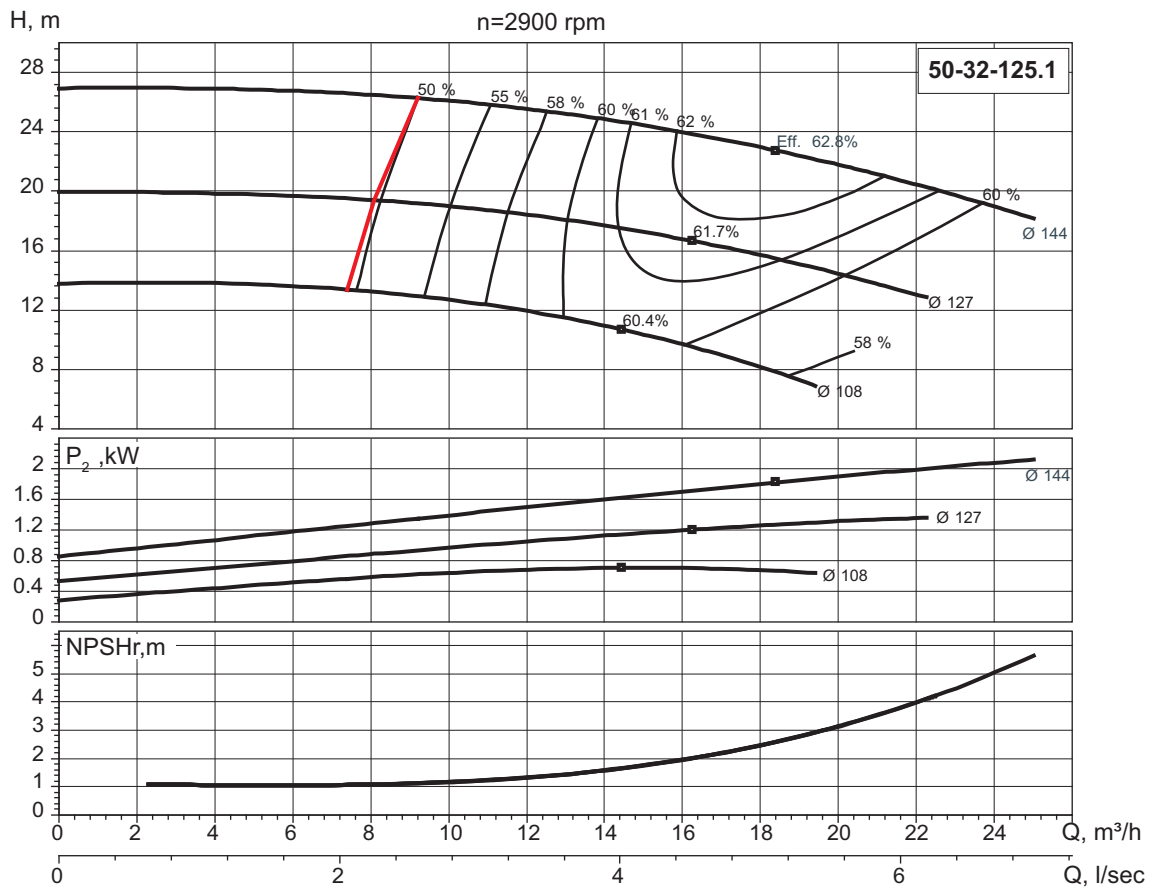
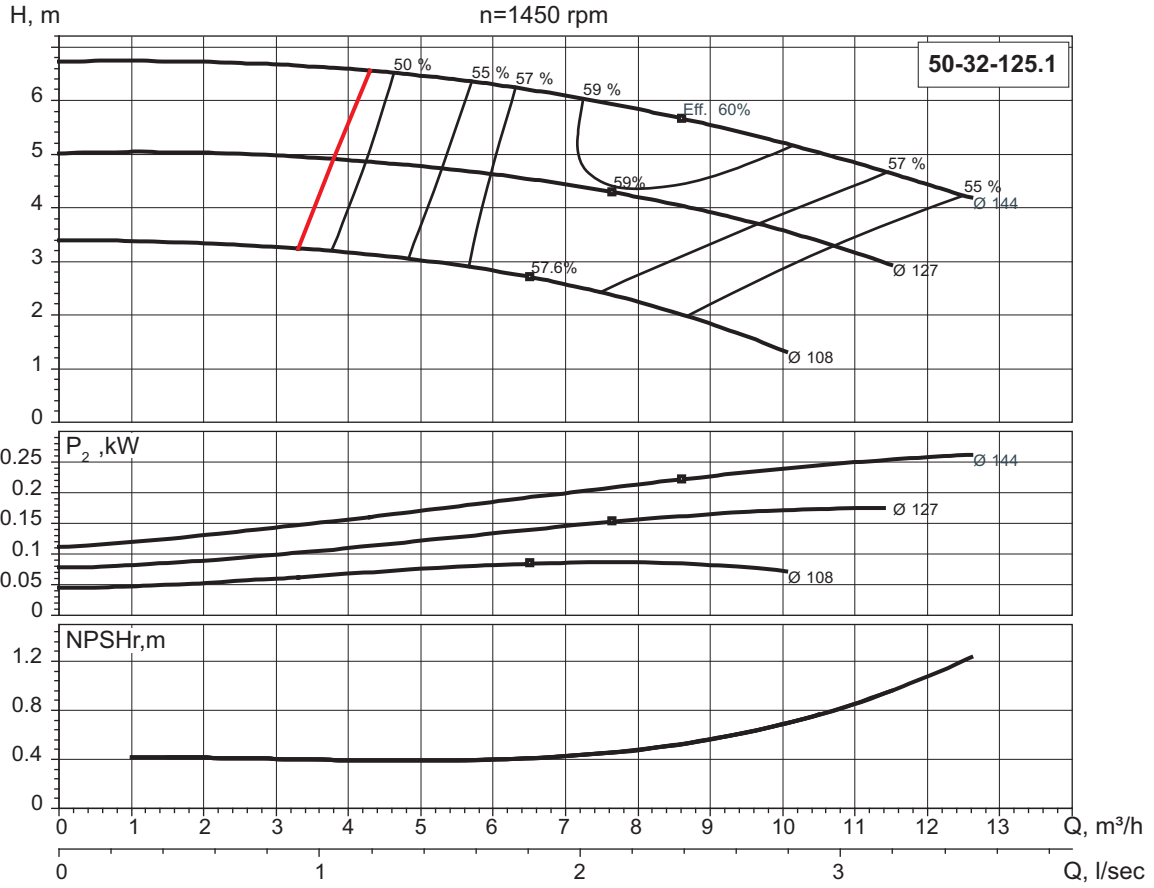
* Items 1 to 11 shall be indicated on the nameplate and in the technical documentation; items 12 to 14 shall be indicated only in the technical documentation.

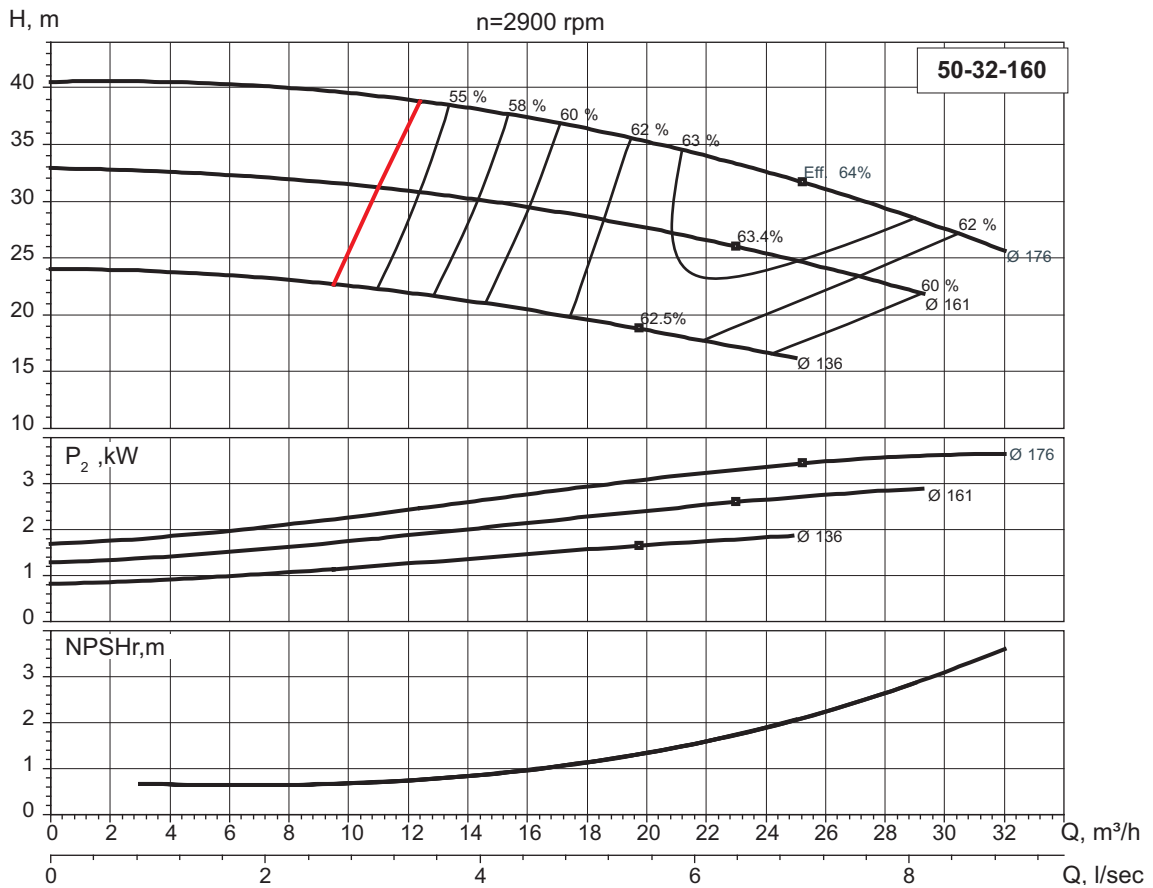
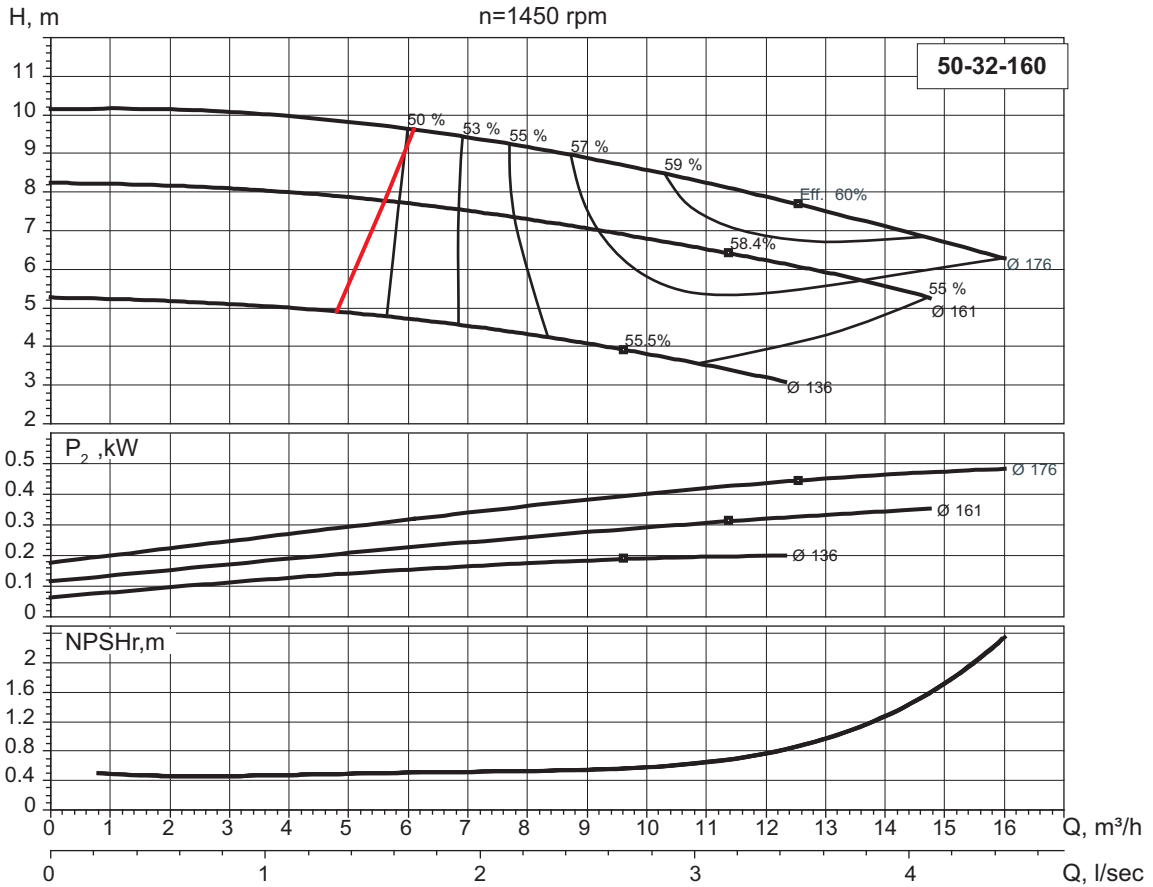


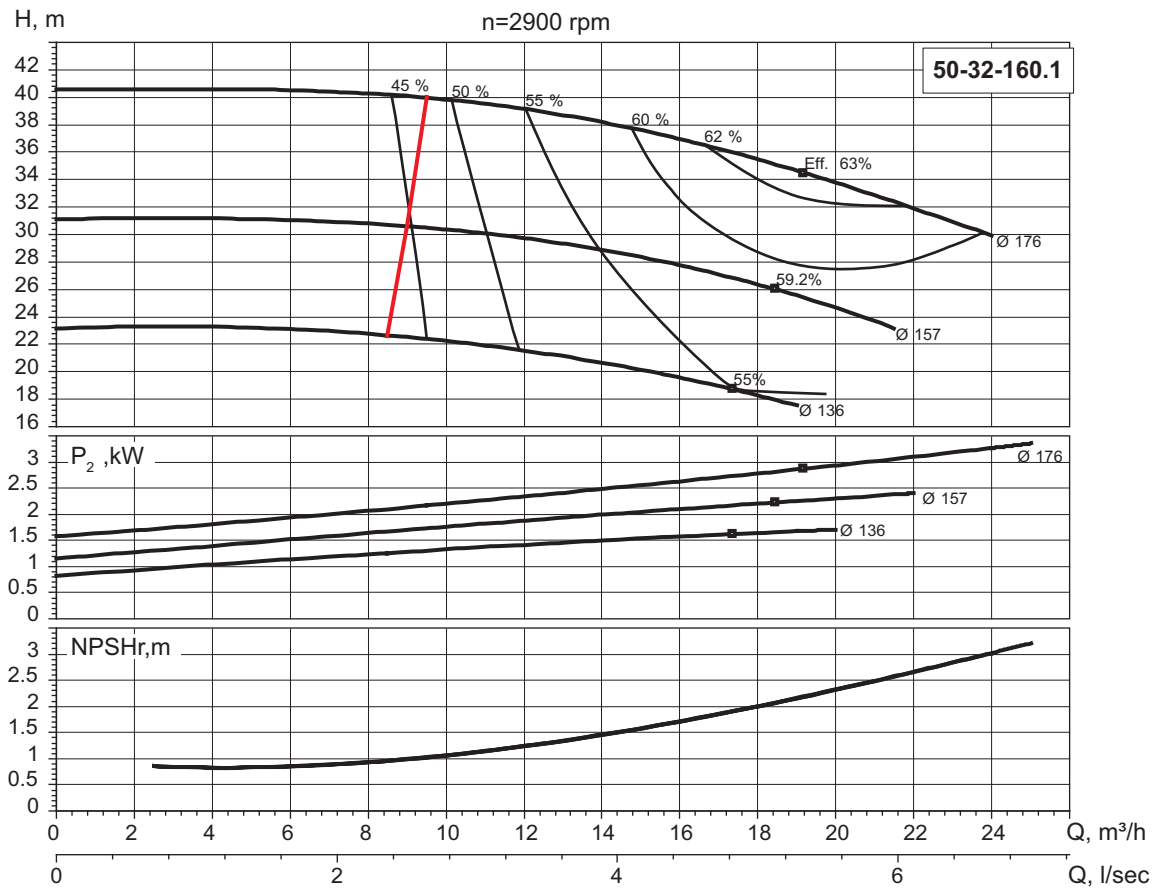
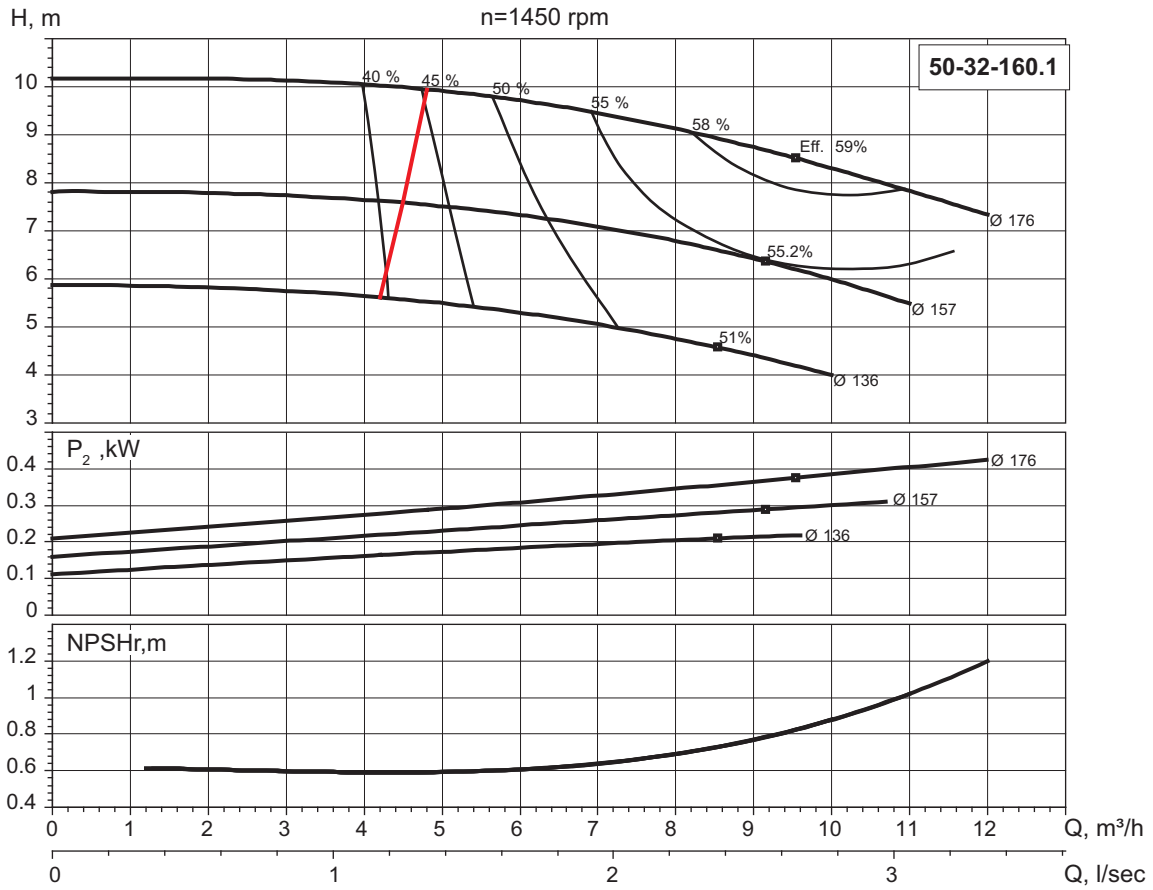
1. The flanges are manufactured in accordance with ISO, DIN, ASME standards; suction and discharge nozzles and flanges are designed for operating pressure up to 16 kgf/cm².
 2. A wide range of available pump sizes allows selection of a pump to match the technical requirements of the hydraulic system.
 3. Dynamically balanced closed-type impeller provides low rotor vibration that reduce energy consumption and operating costs.
 4. Replaceable wearing rings are made of wear-resistant materials.
 5. The seal chamber allows installation of gland or mechanical seal including the cartridge-type ones.
 6. The impeller is unloaded from axial forces using special holes in the rear disk of impeller to reduce the load applied to the bearings and increase their service life.
 7. The energy-efficient flow path is optimized using the newest CFD methods and computer-based simulation to provide the highest pump efficiency (MEI > 0.7) in accordance with ISO 16480:2016 standard requirements.
 8. A pull-out rotor with removable bearing bracket unit allows the pump service operations without dismantling its casing and suction & discharge pipelines.
 9. Bearing units with service life of at least 100 000 hours.
 10. A rigid shaft with increased strength provides minimal vibration and beating to increase service life of seals and bearings.
- The highly-unified main components for various pump sizes and versions significantly simplifies their maintenance.
- A wide range of available materials allows application of pumps for various liquids including aggressive ones.
- The pumps can be supplied with the following additional equipment:
- frequency converter
 - pump control panel (up to 4 pumps)
 - spare parts for operation within 5 years
 - bearing temperature sensors
 - vibration velocity sensors

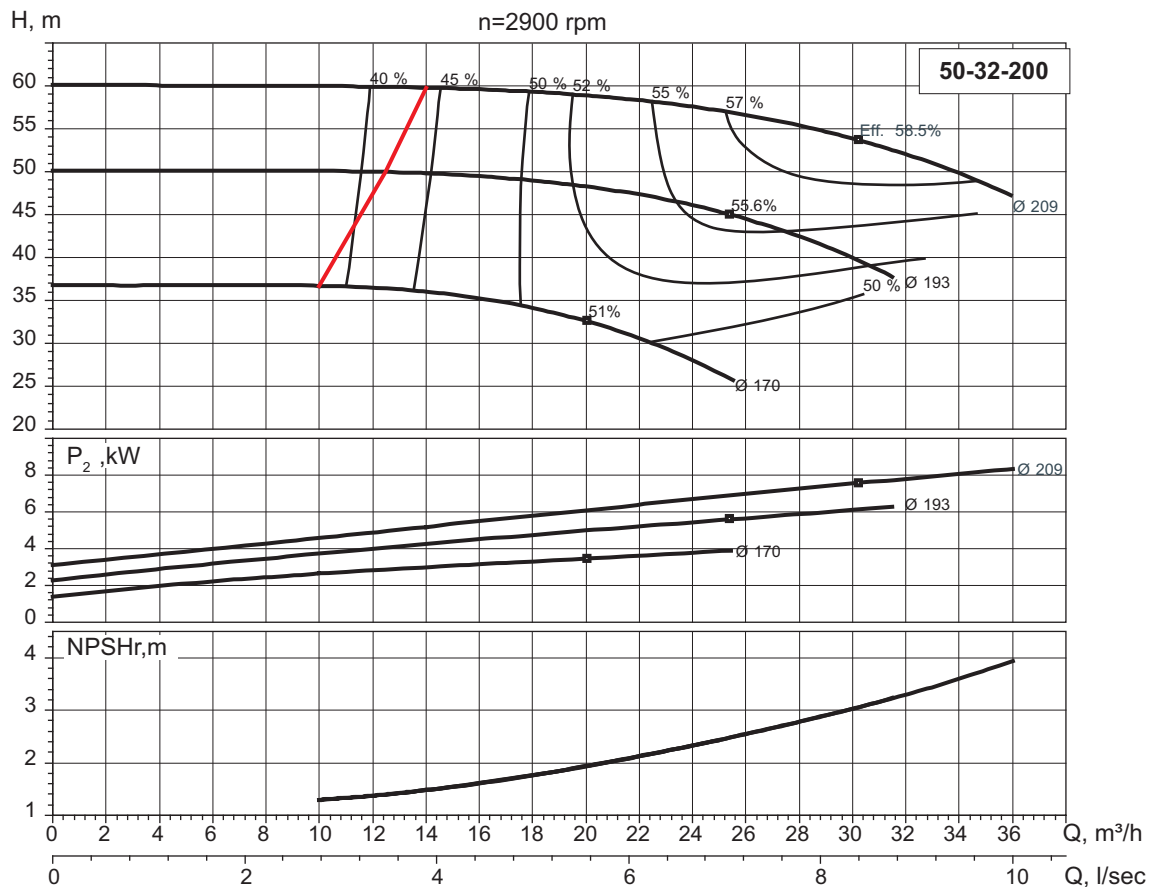
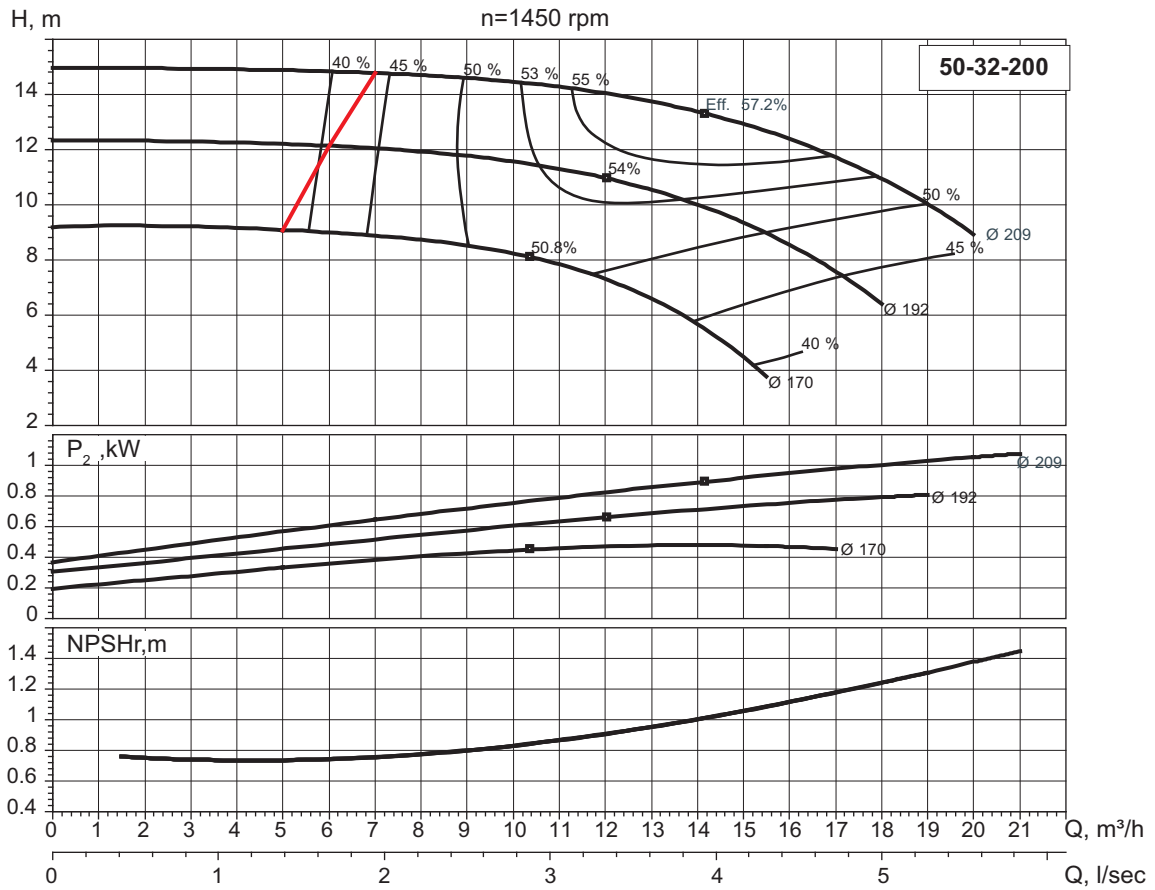
PERFORMANCE CURVES

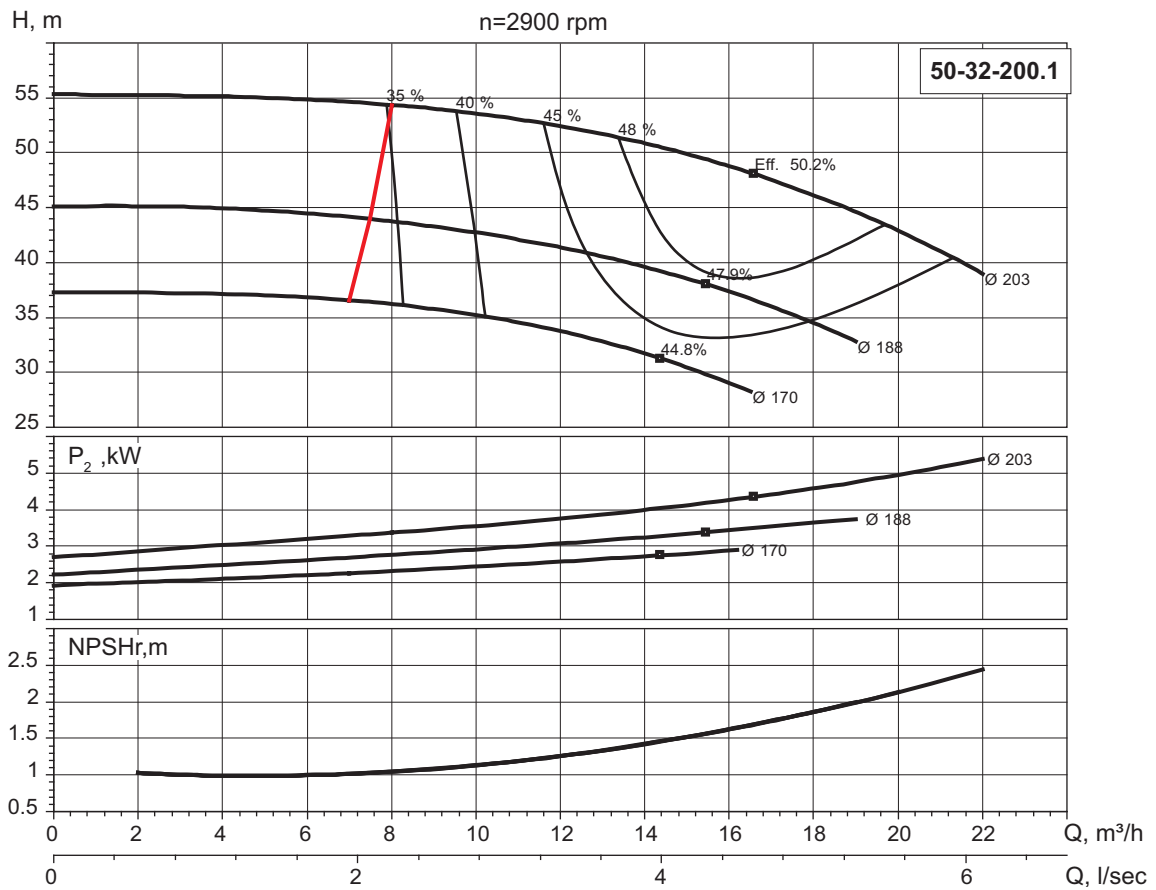
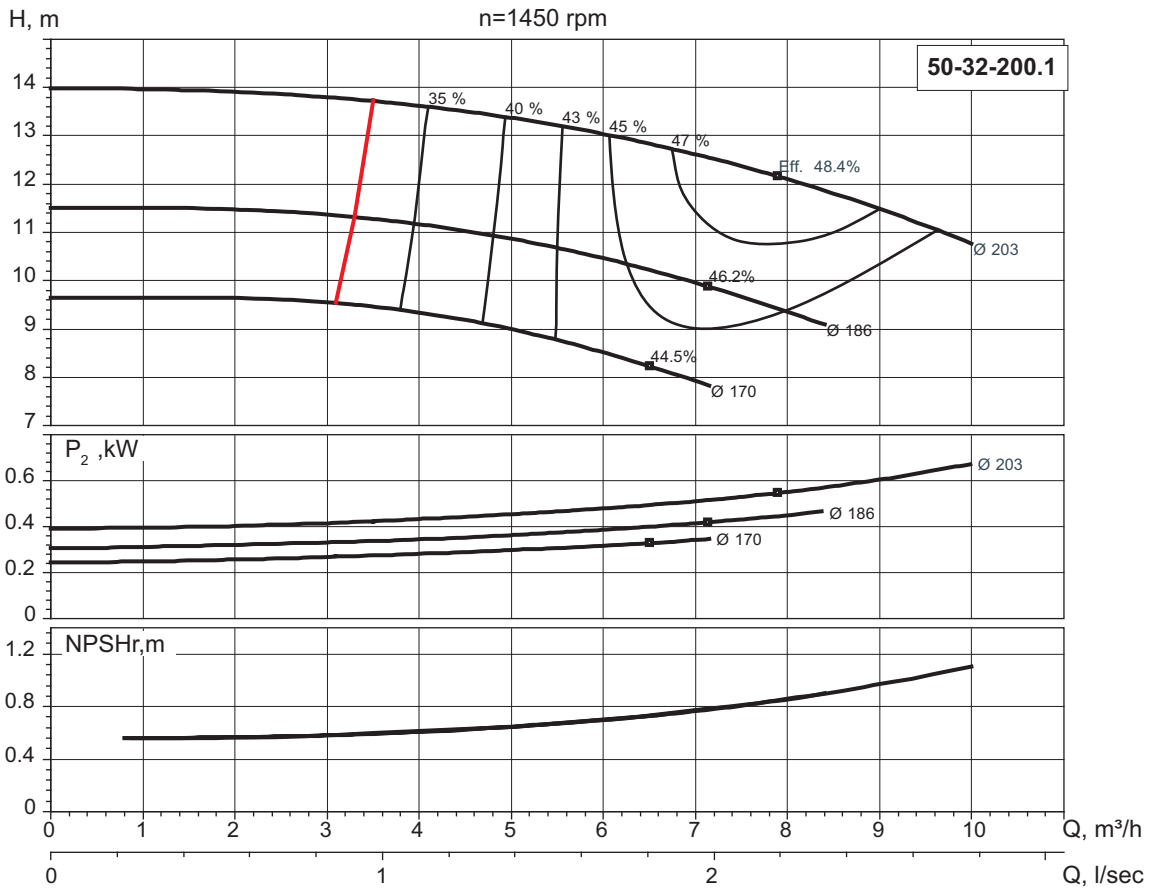


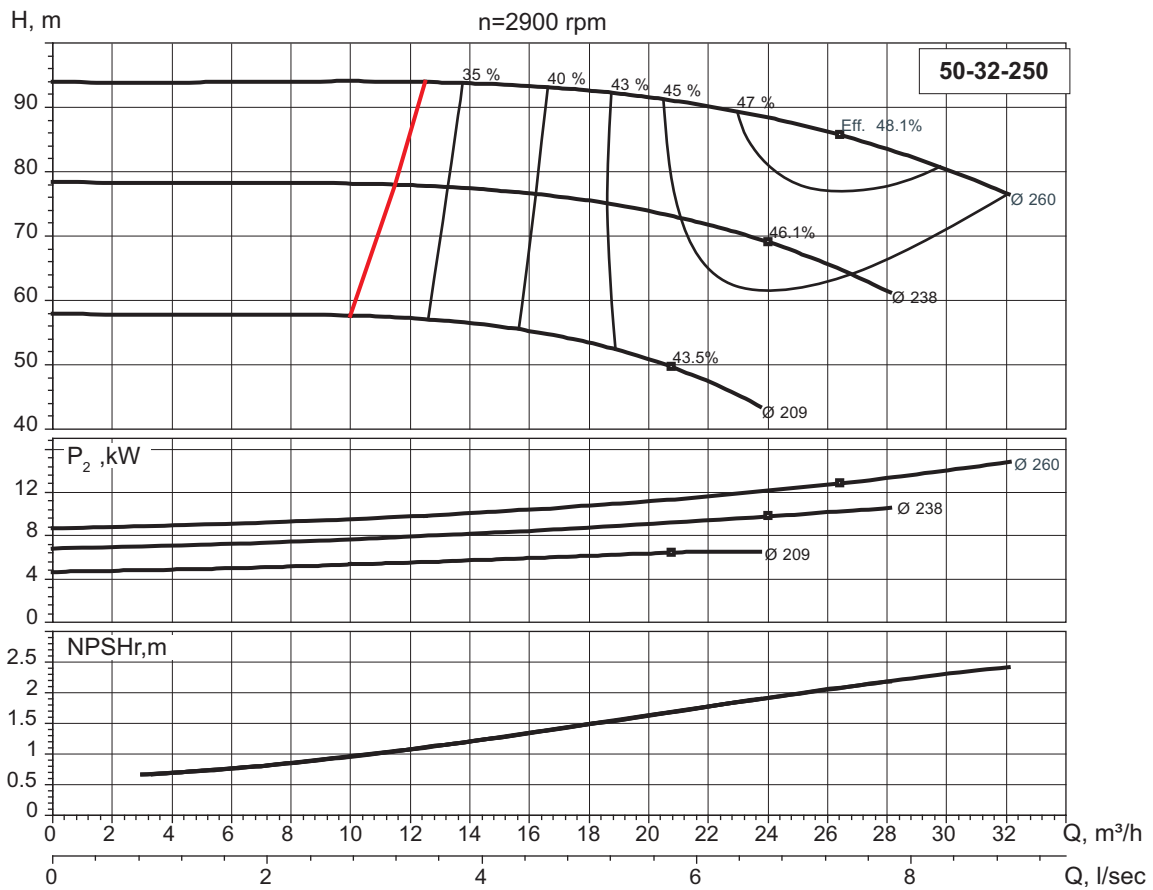
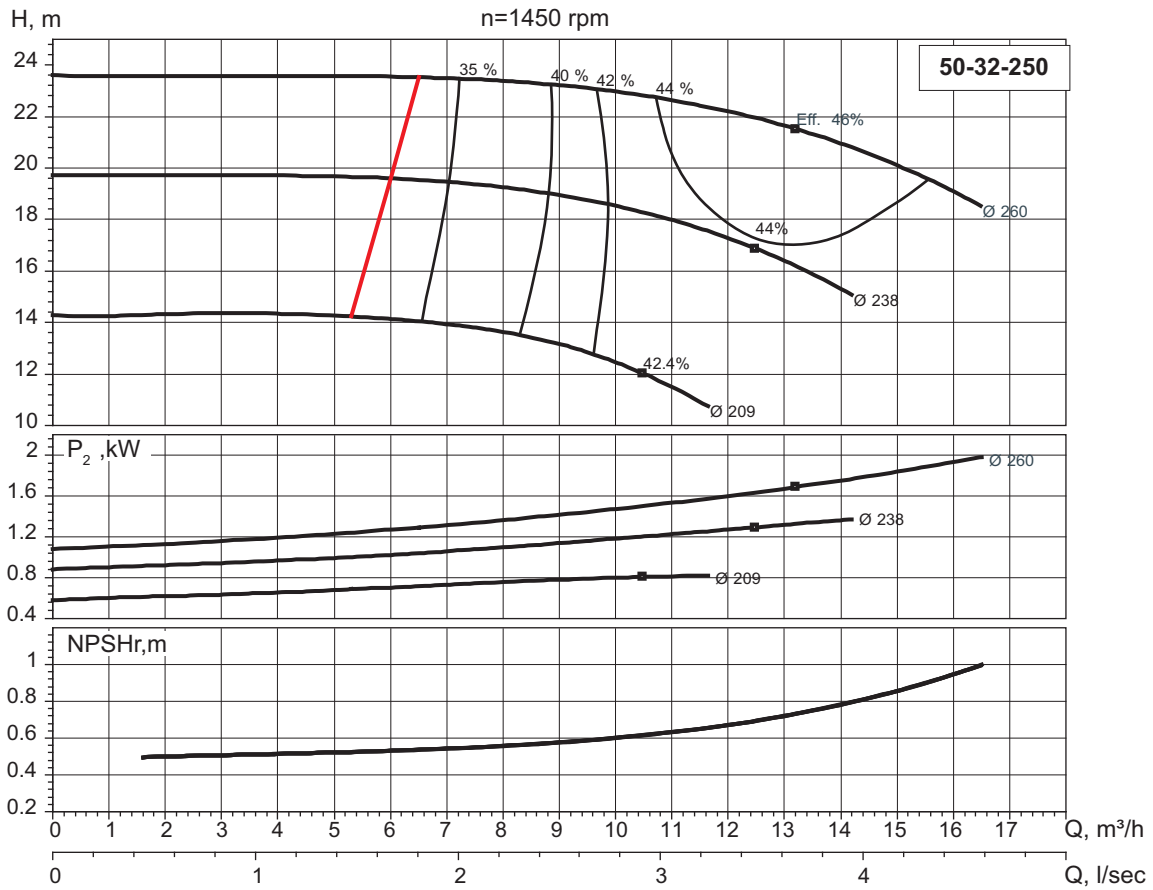


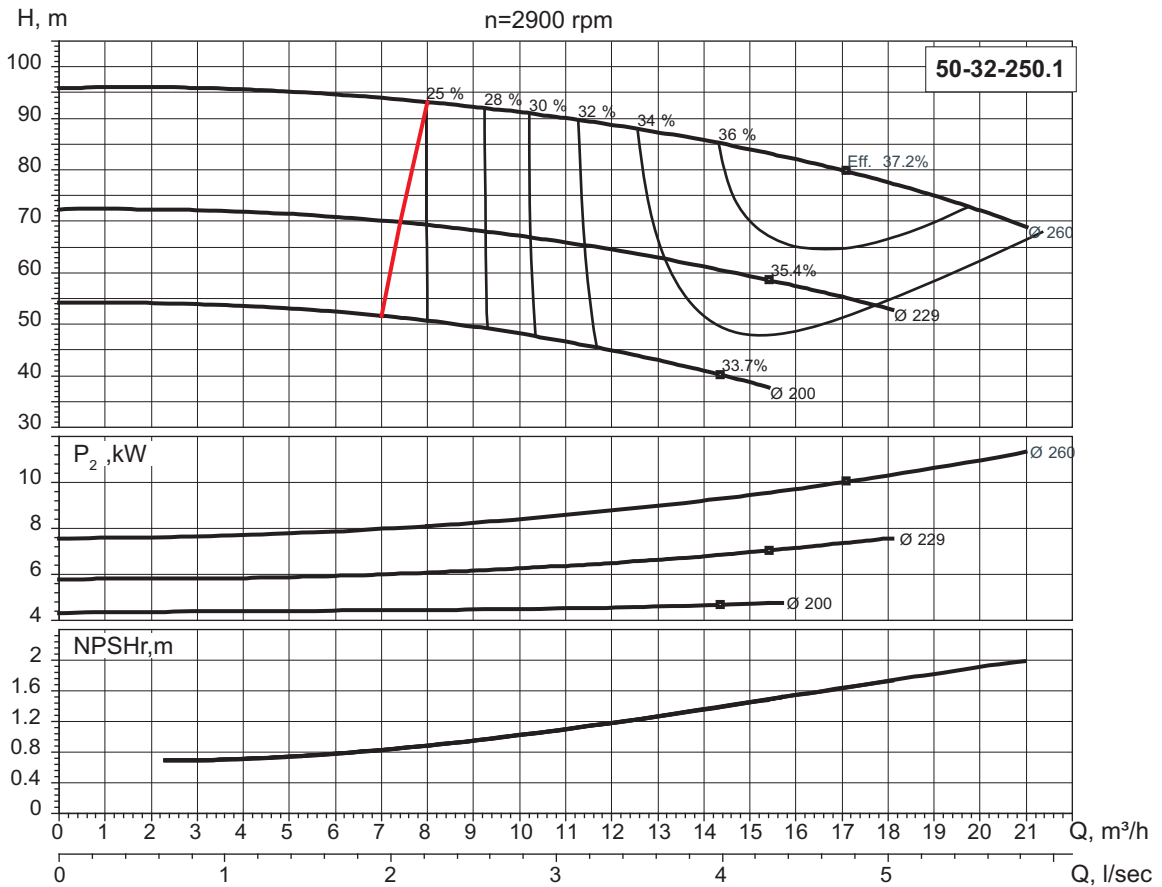
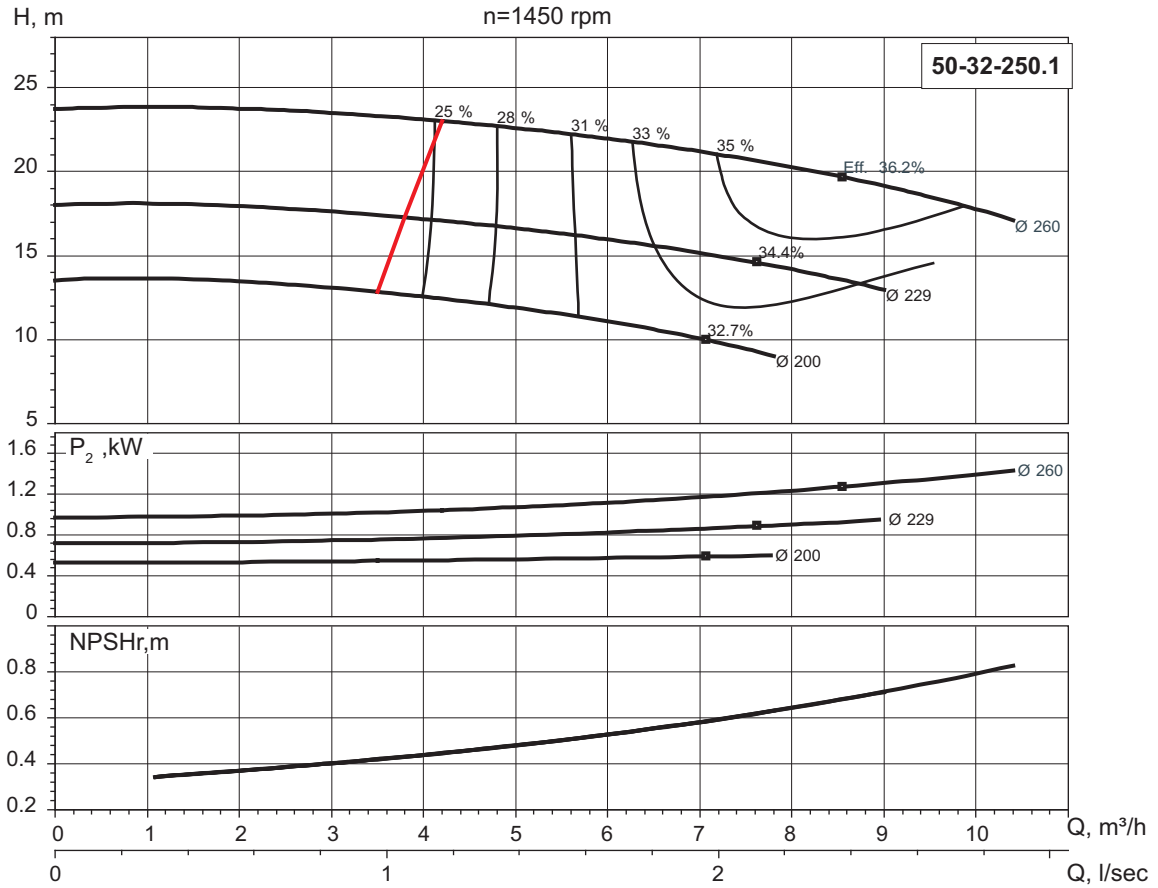


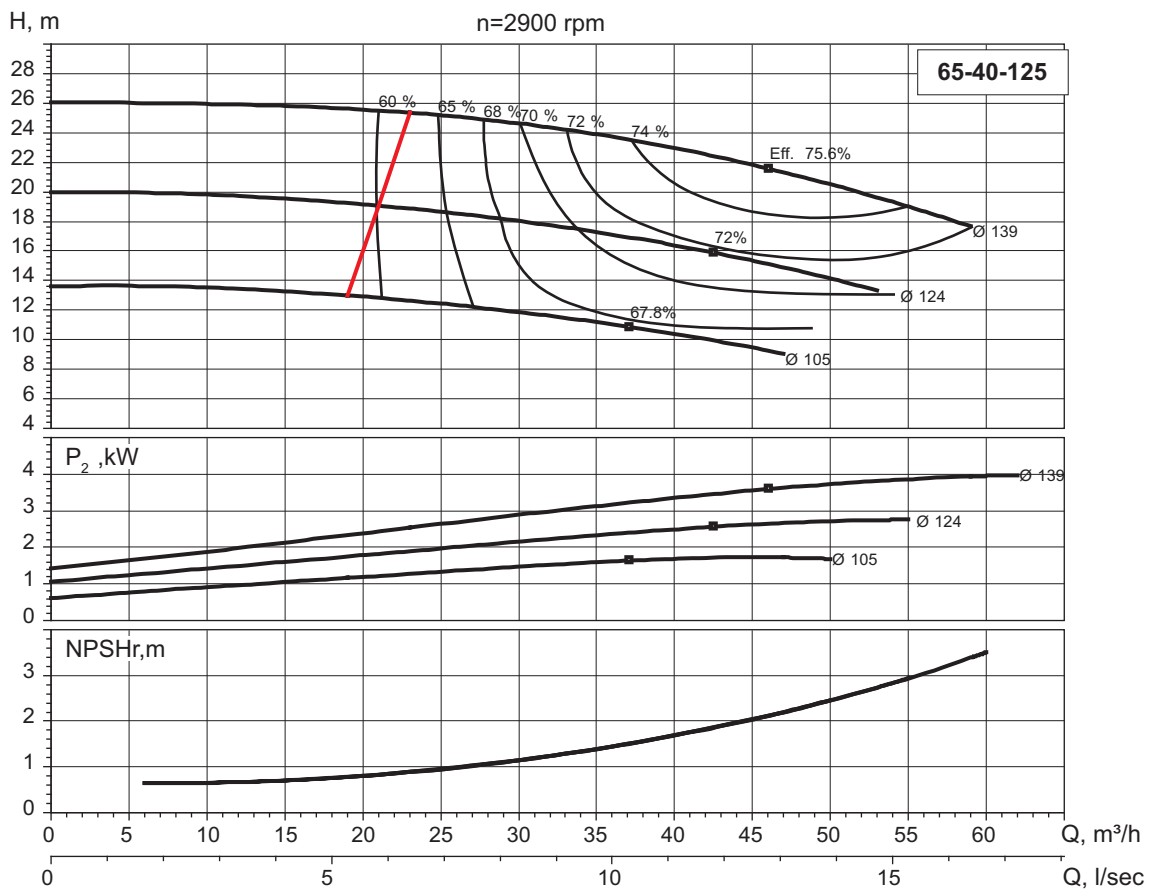
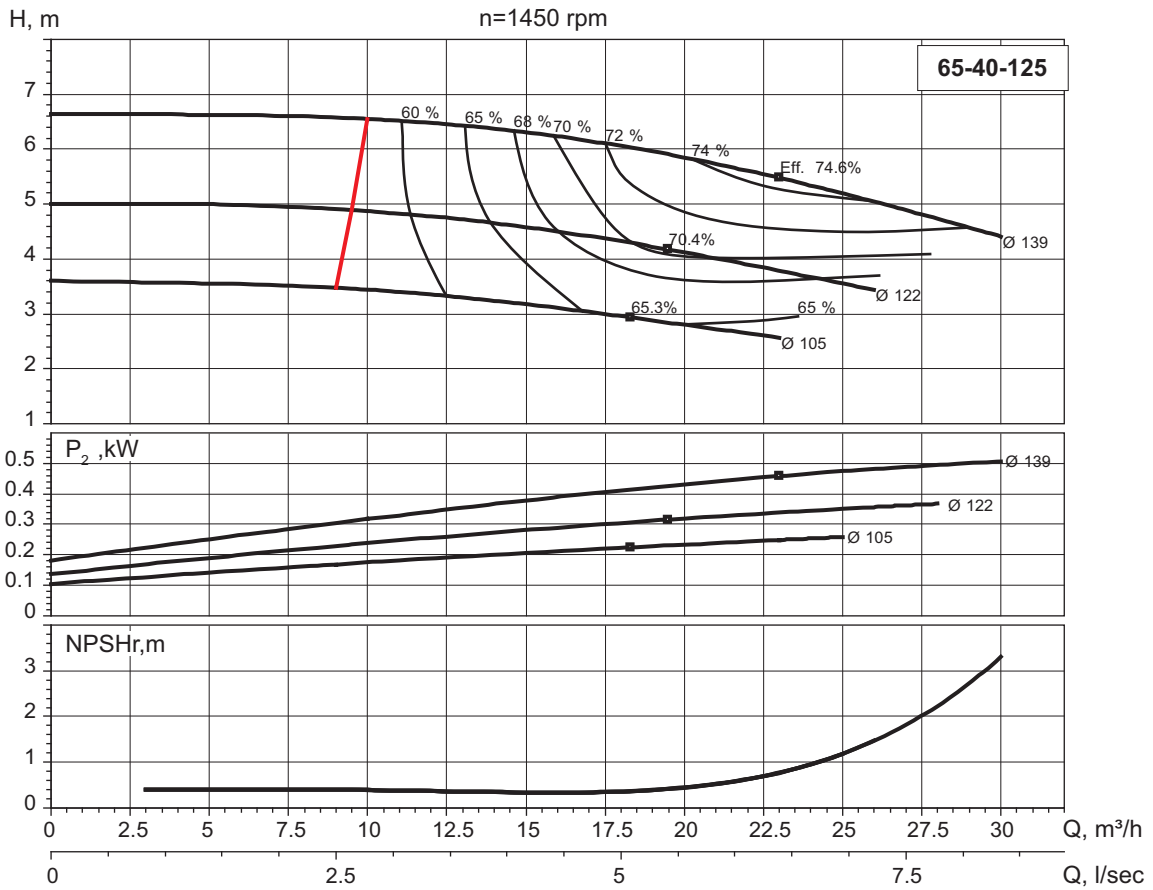


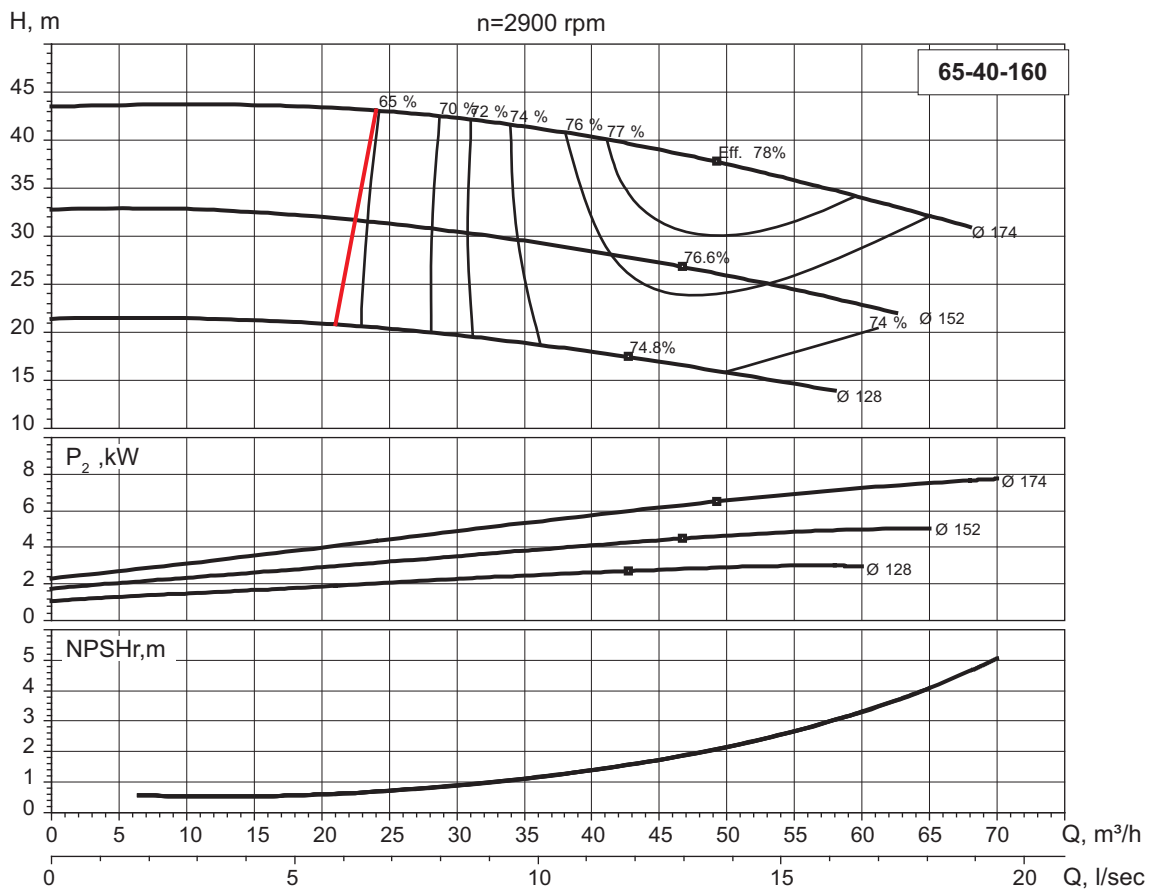
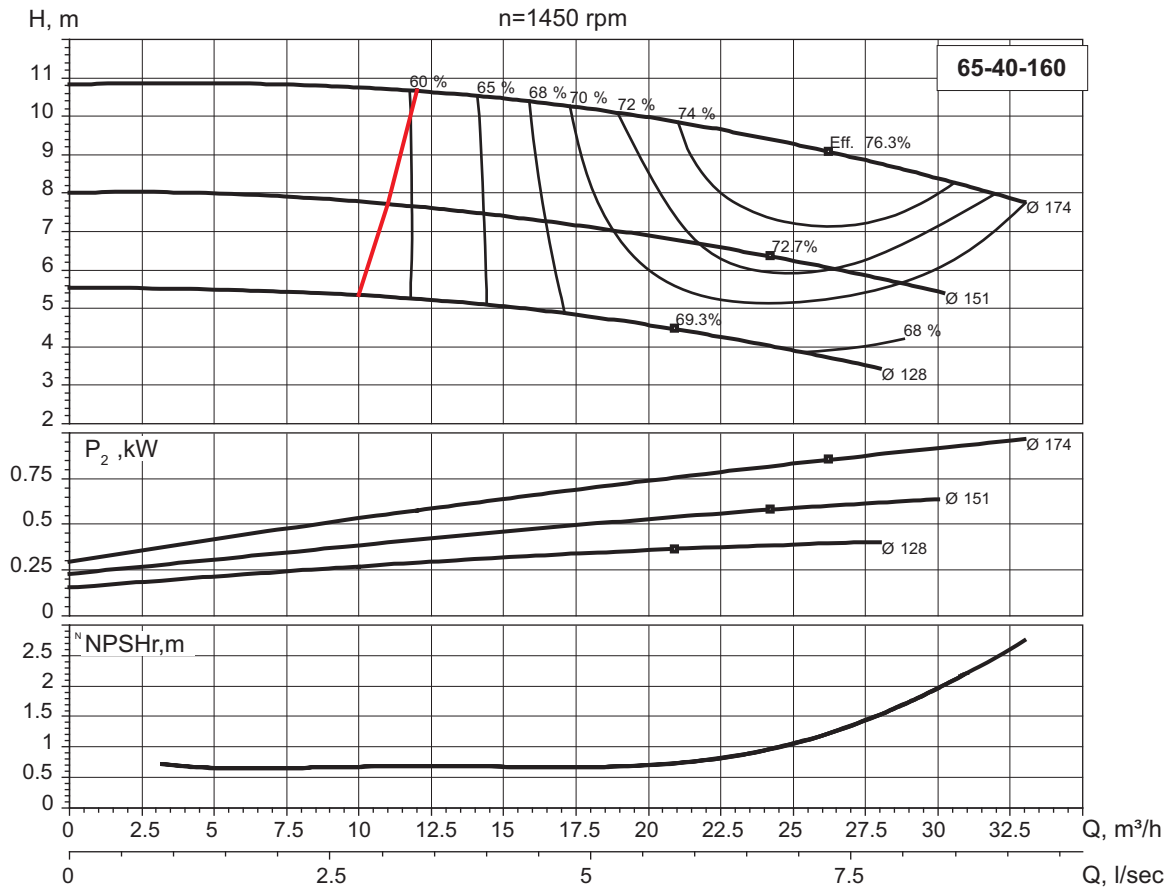


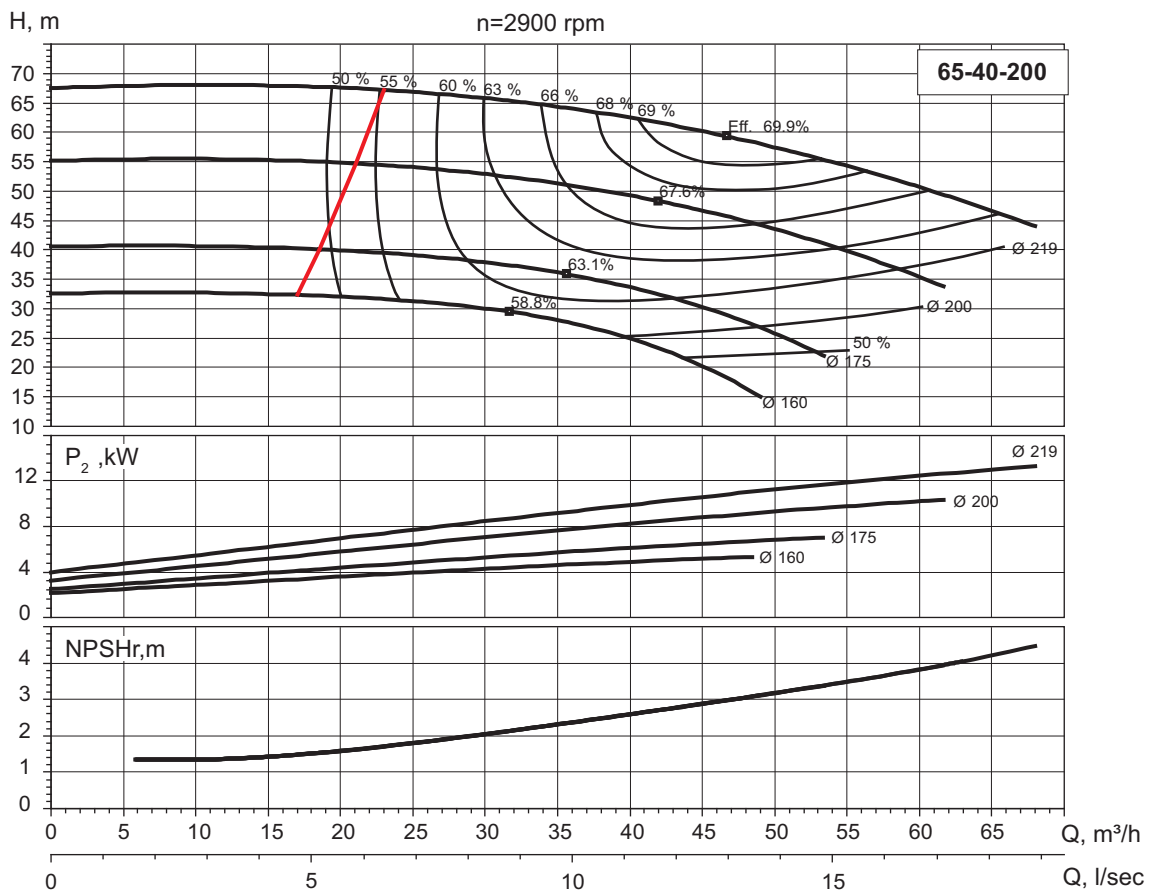
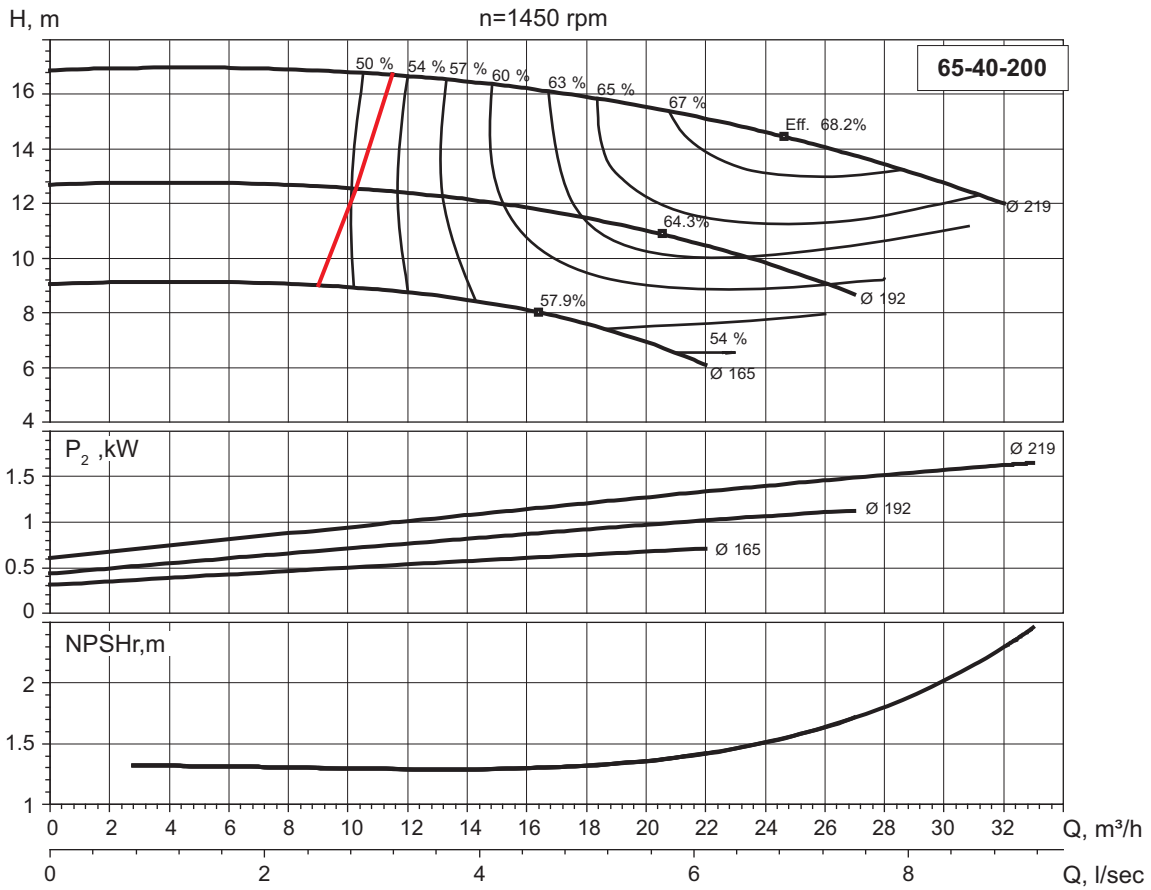


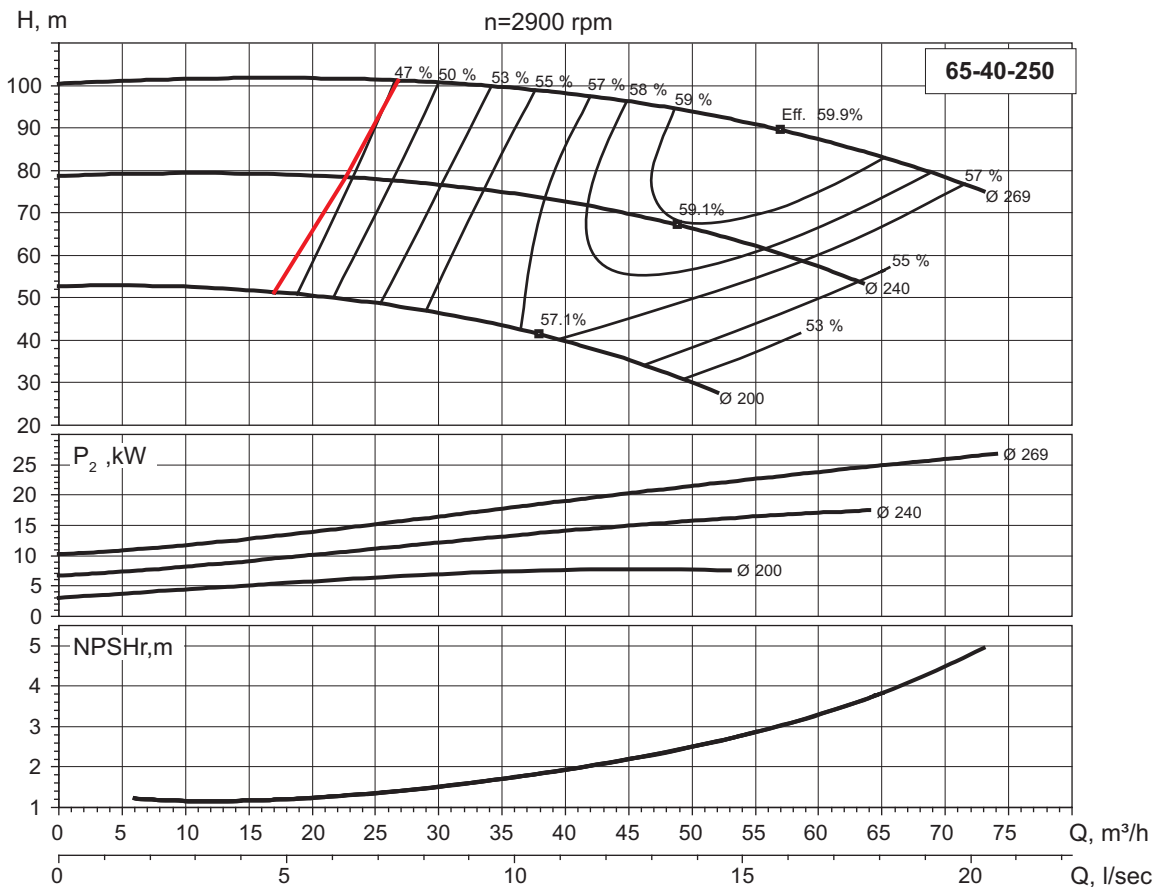
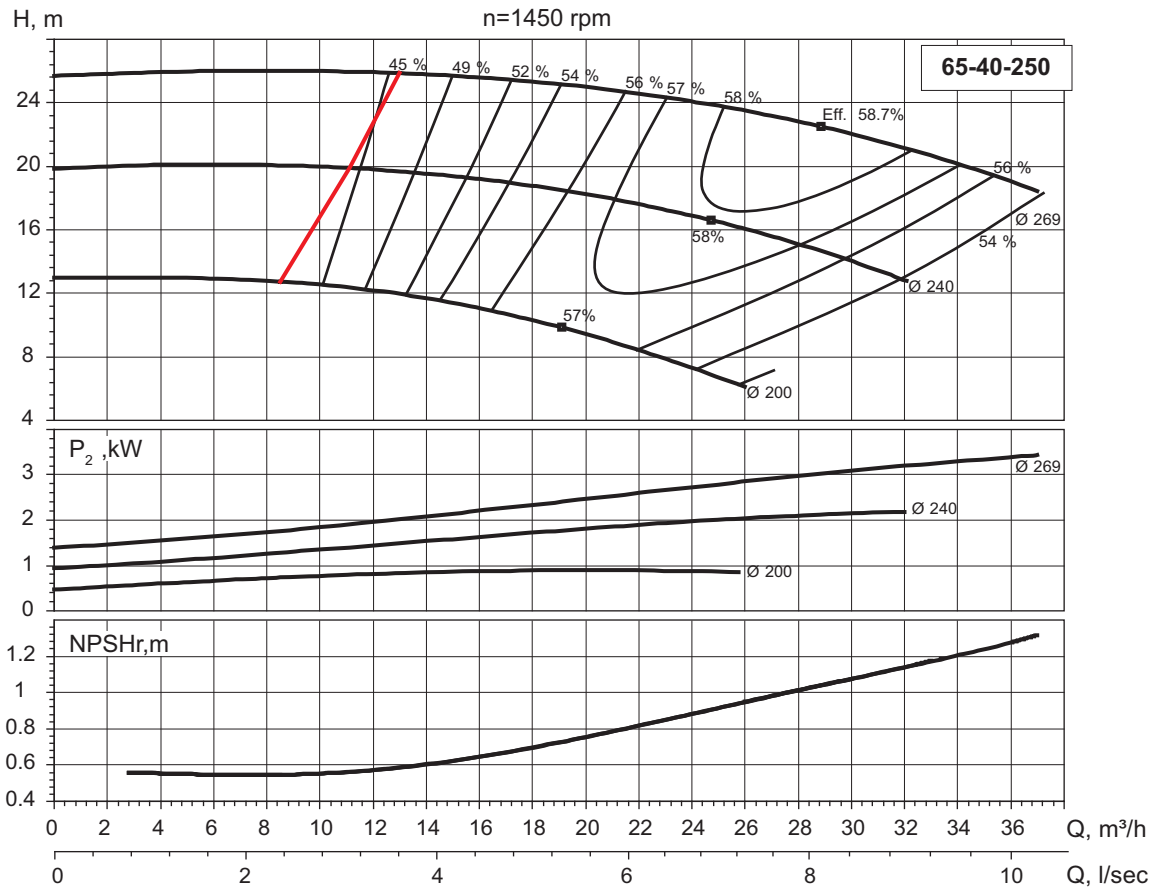


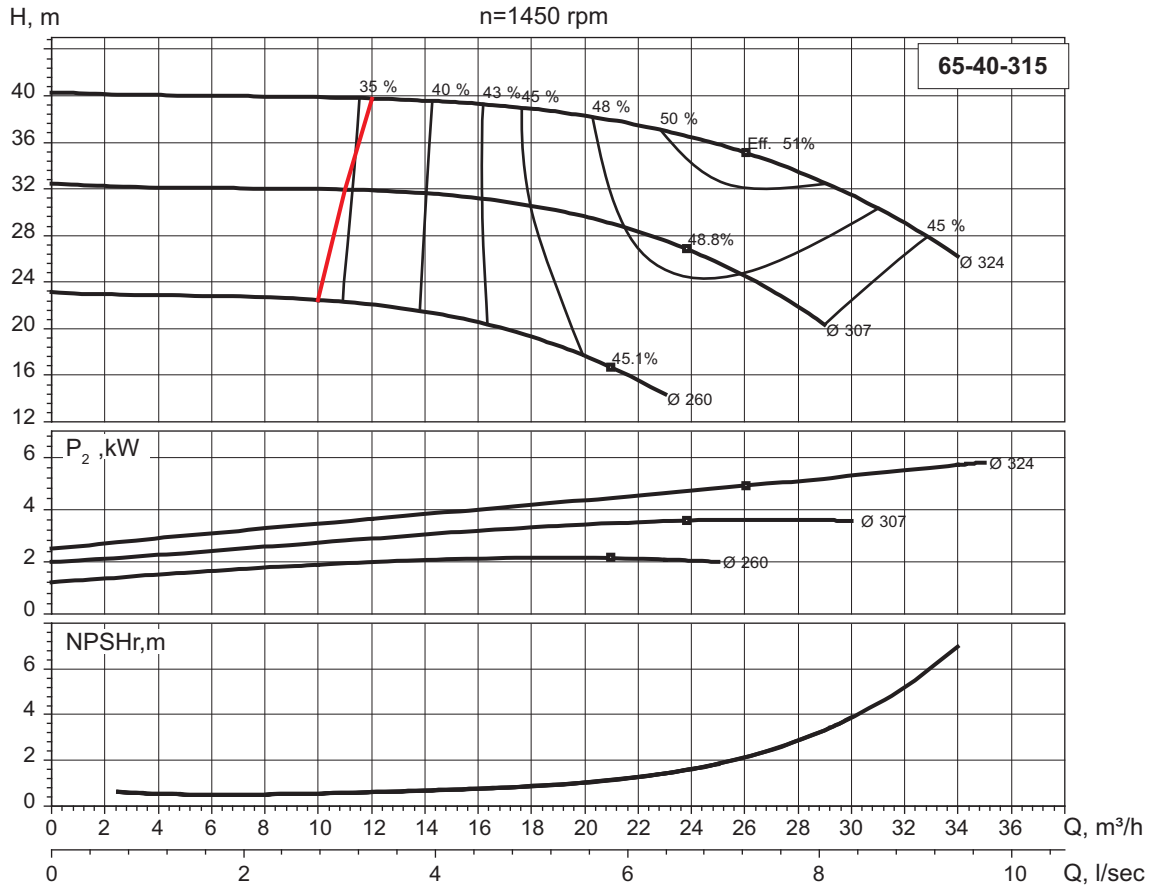


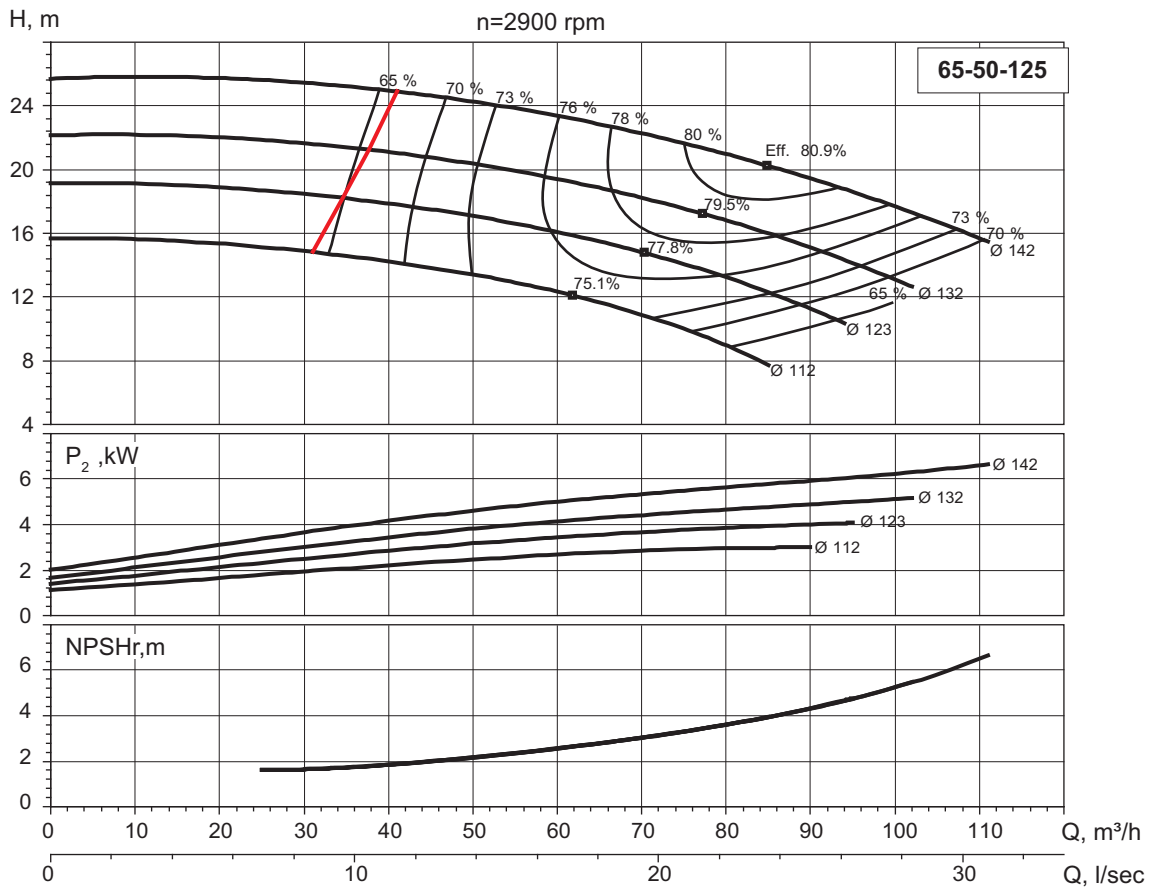
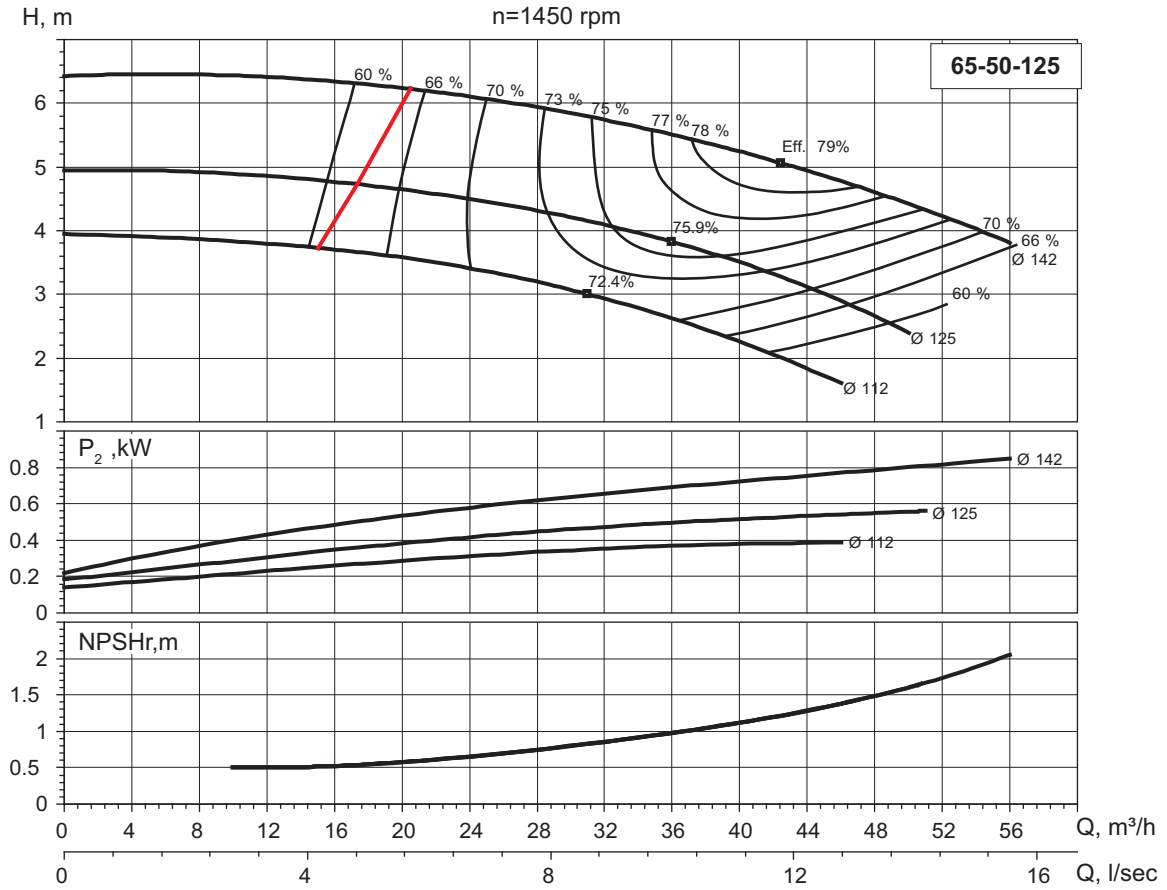


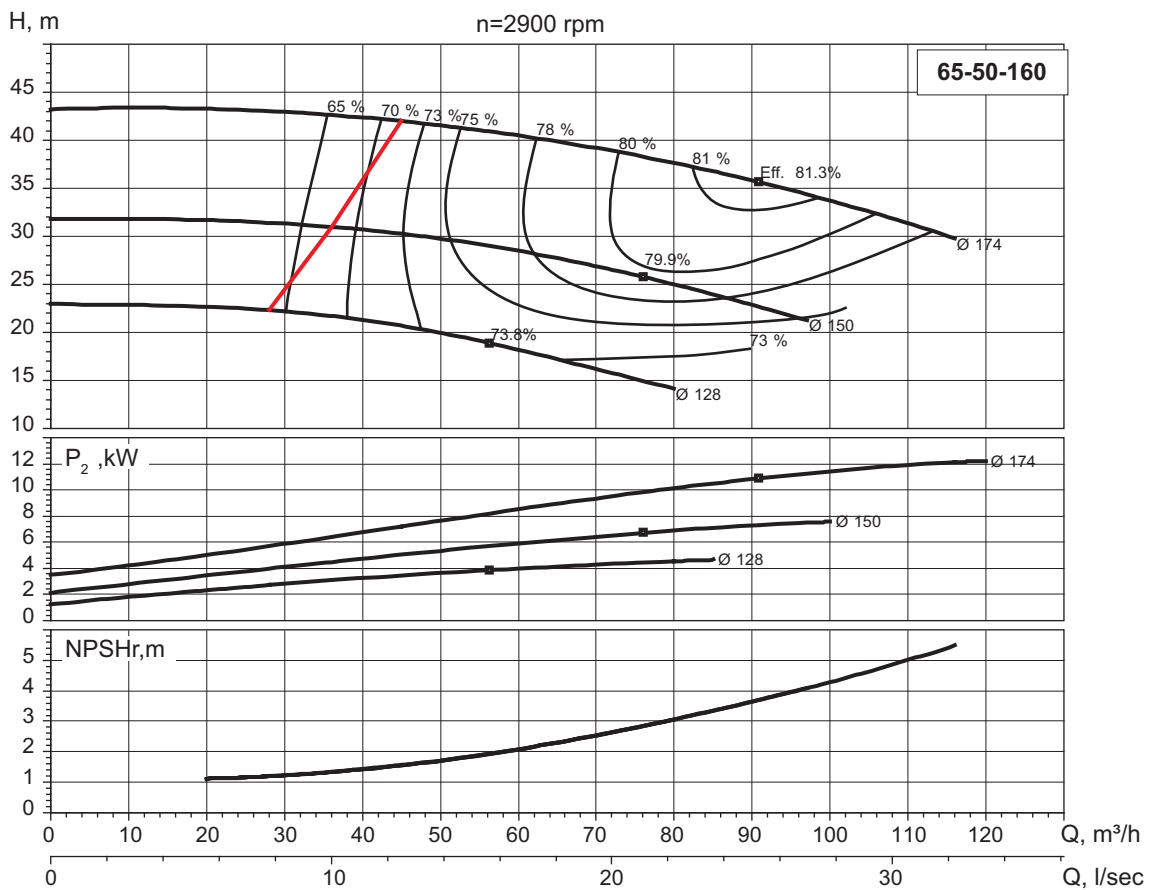
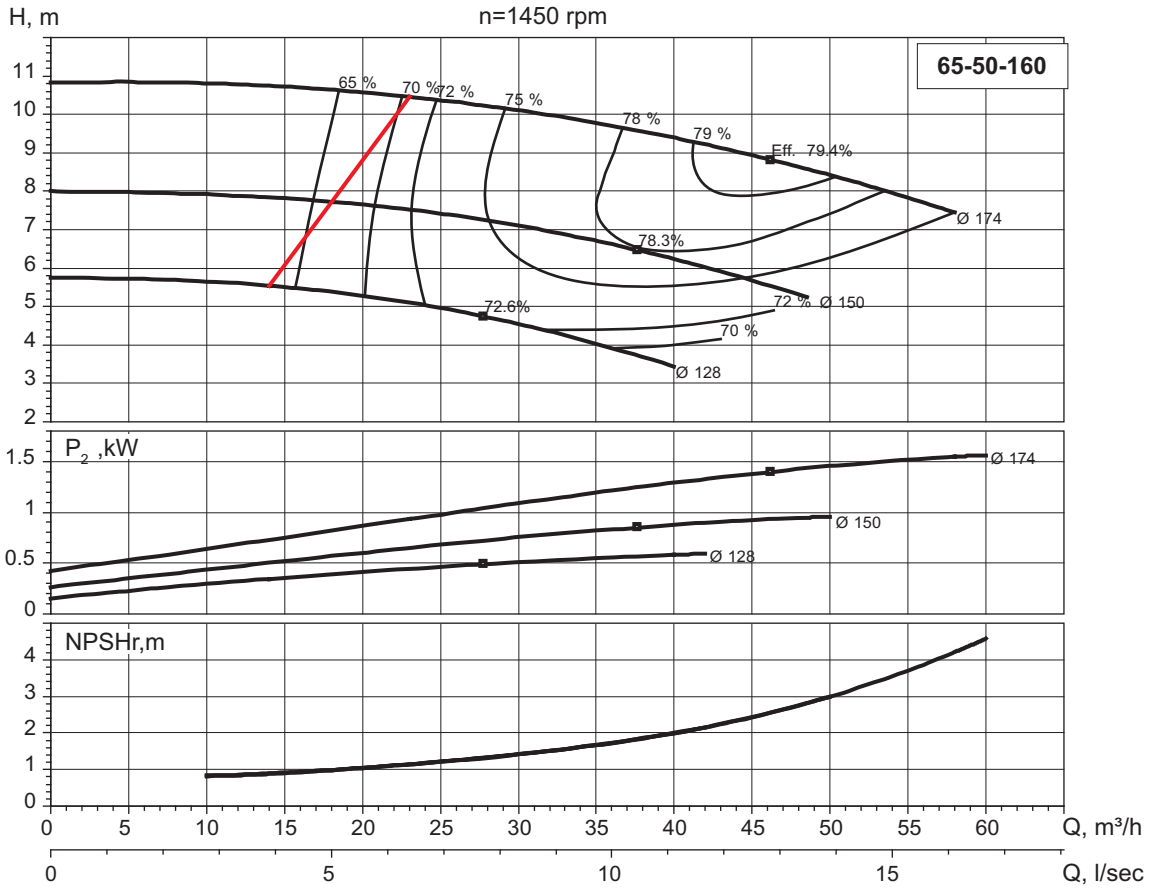


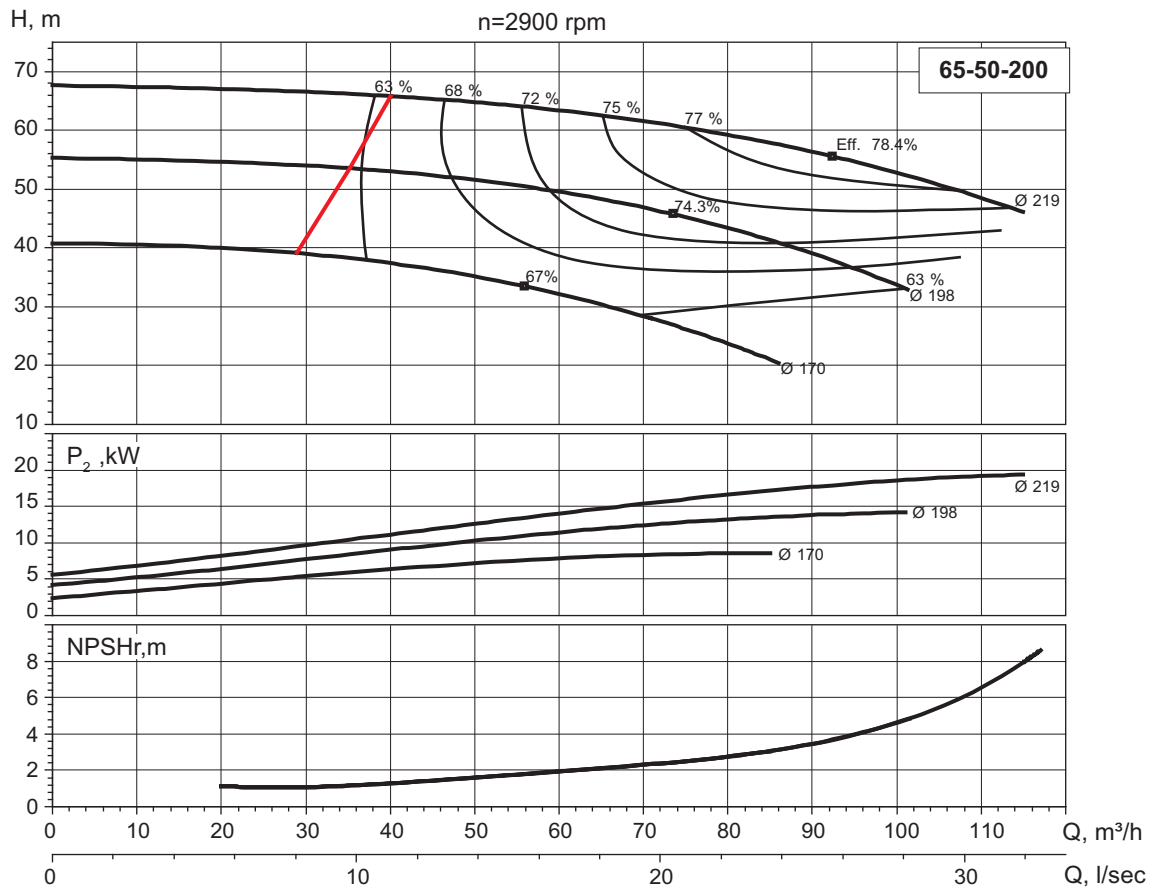
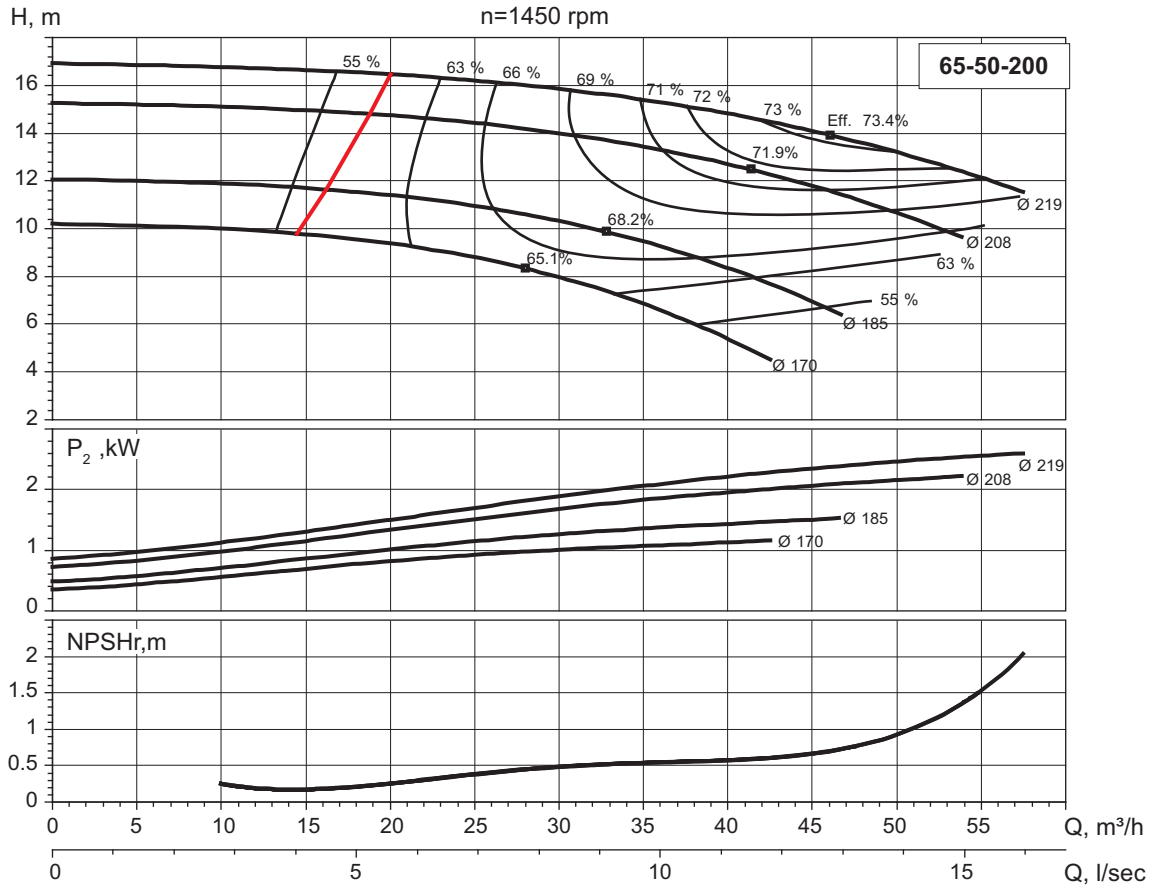


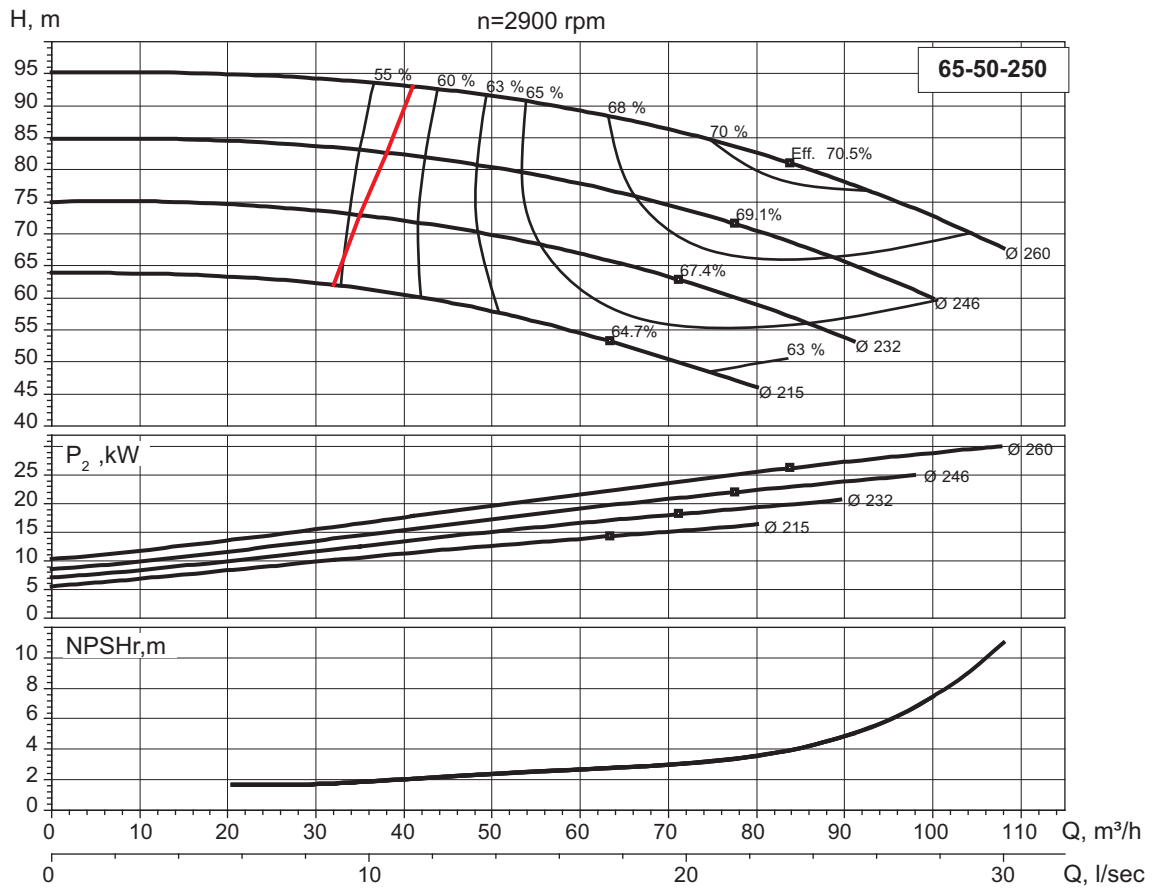
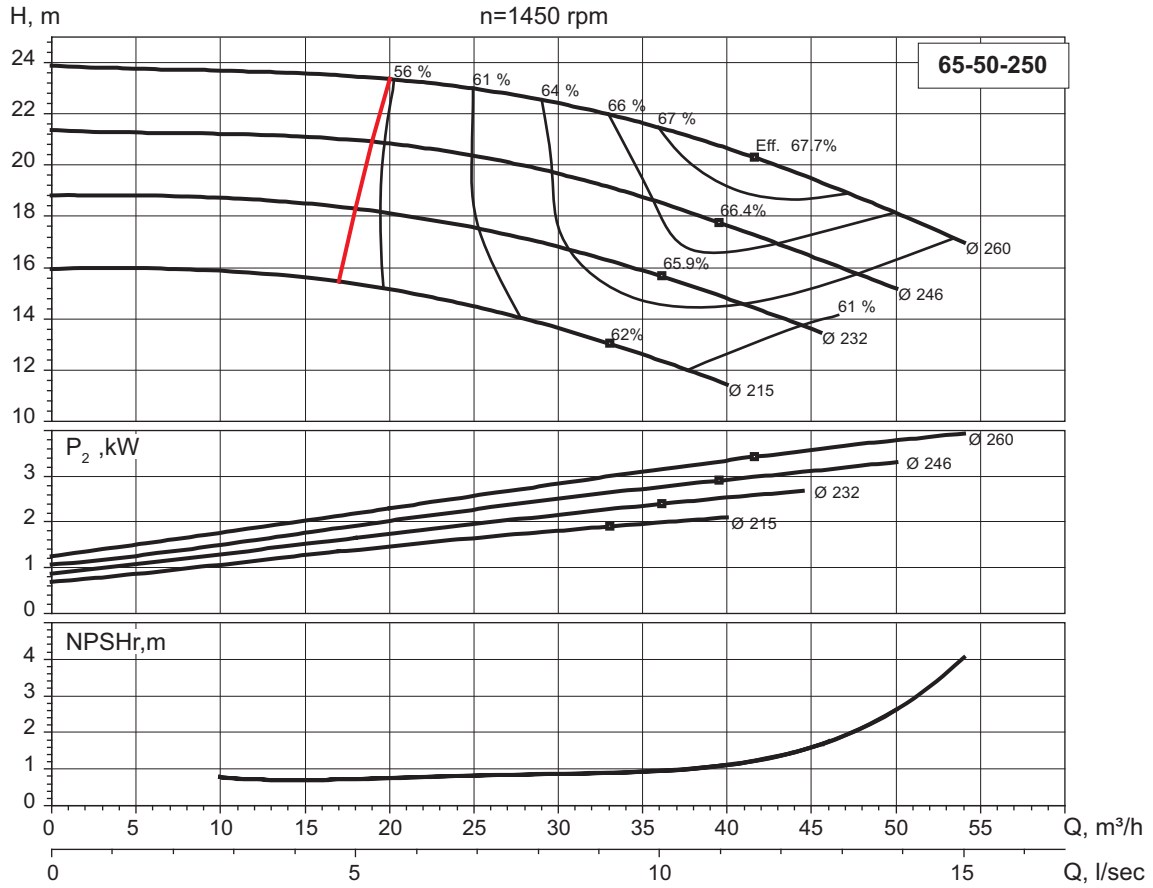


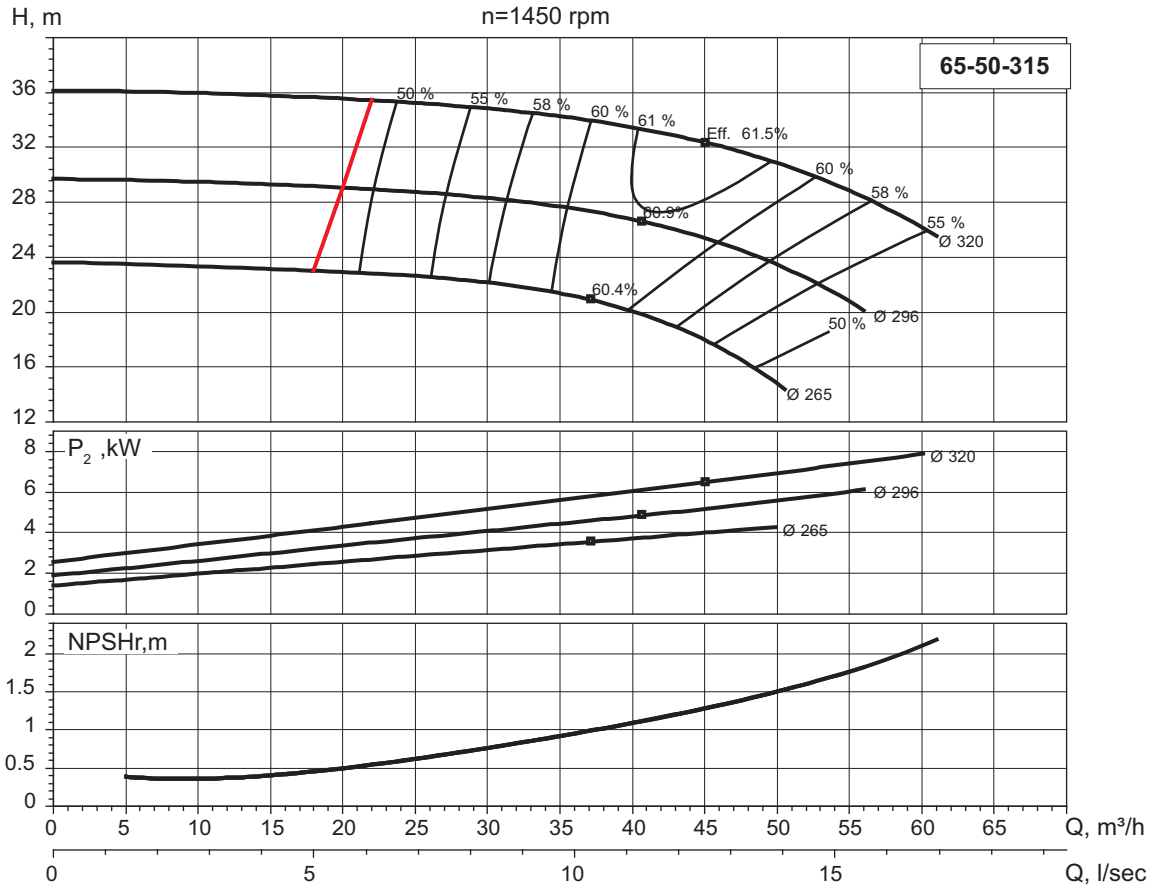


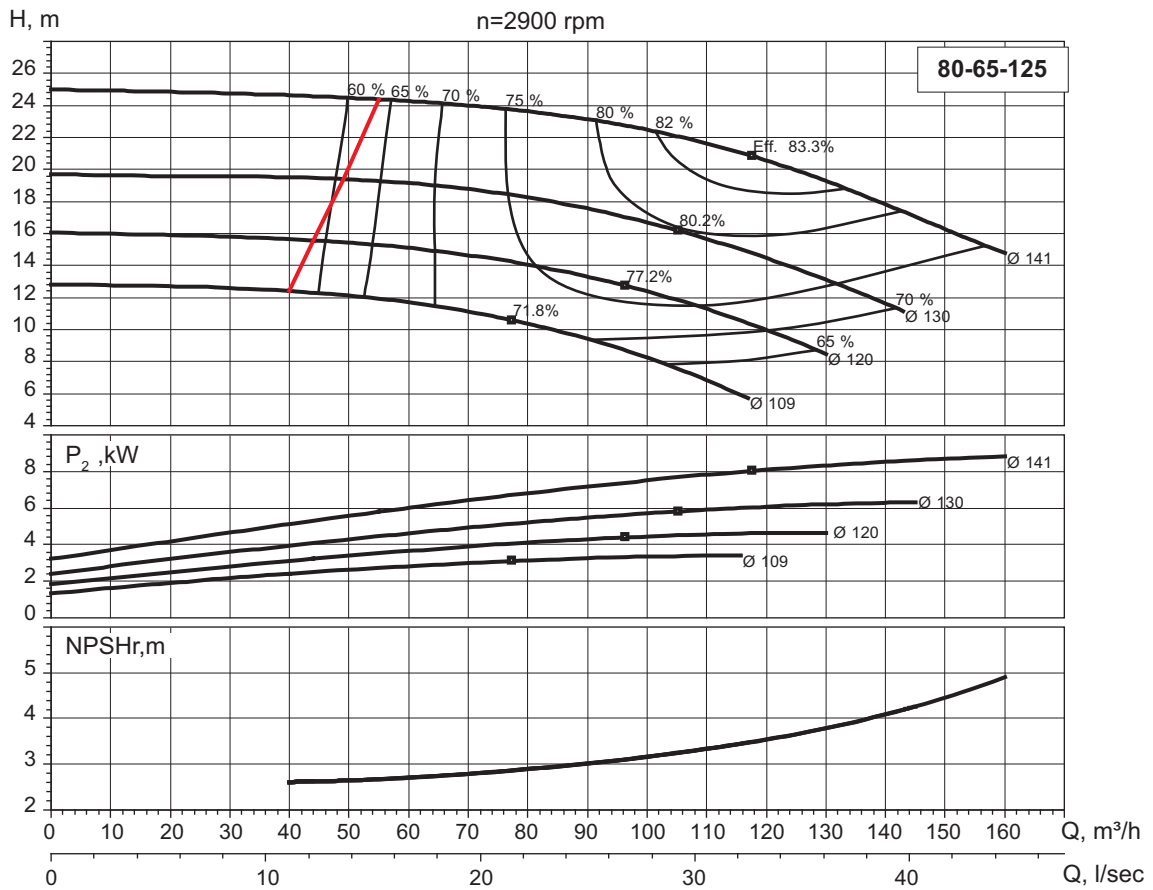
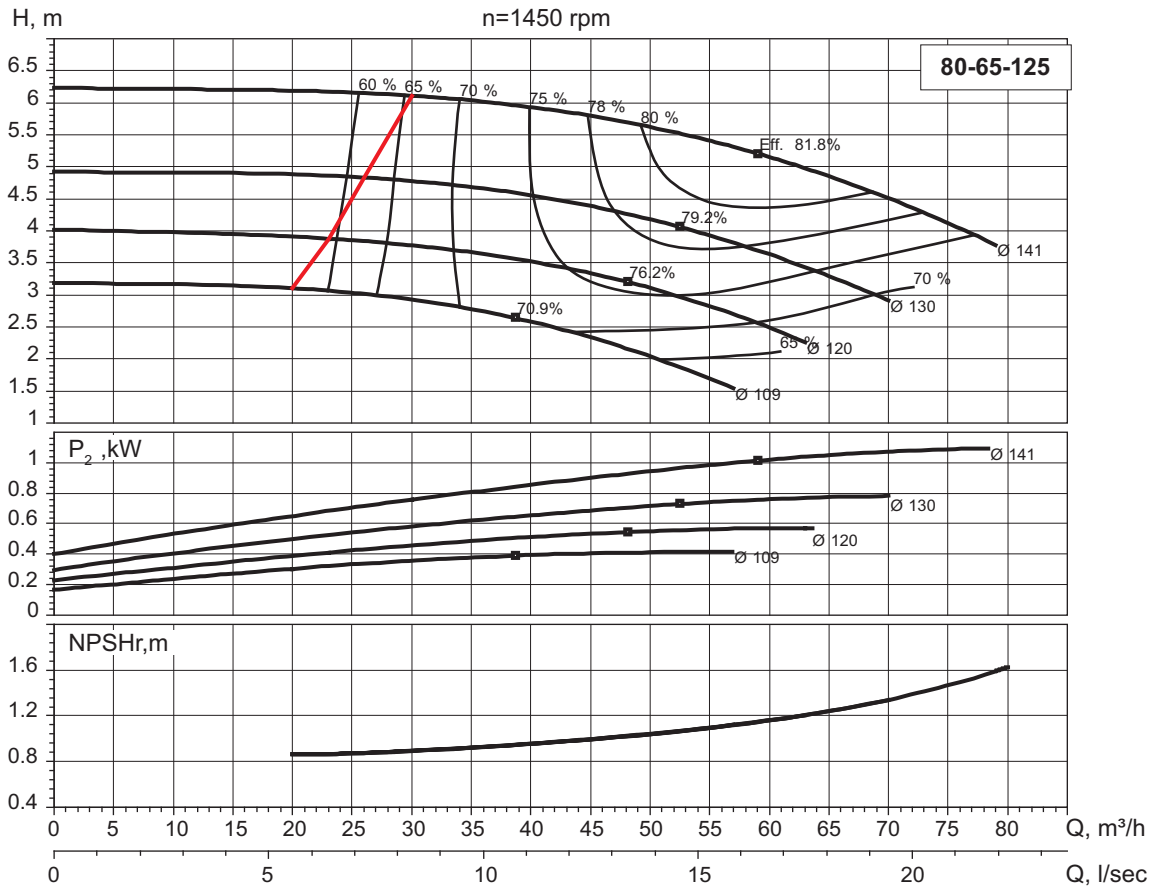


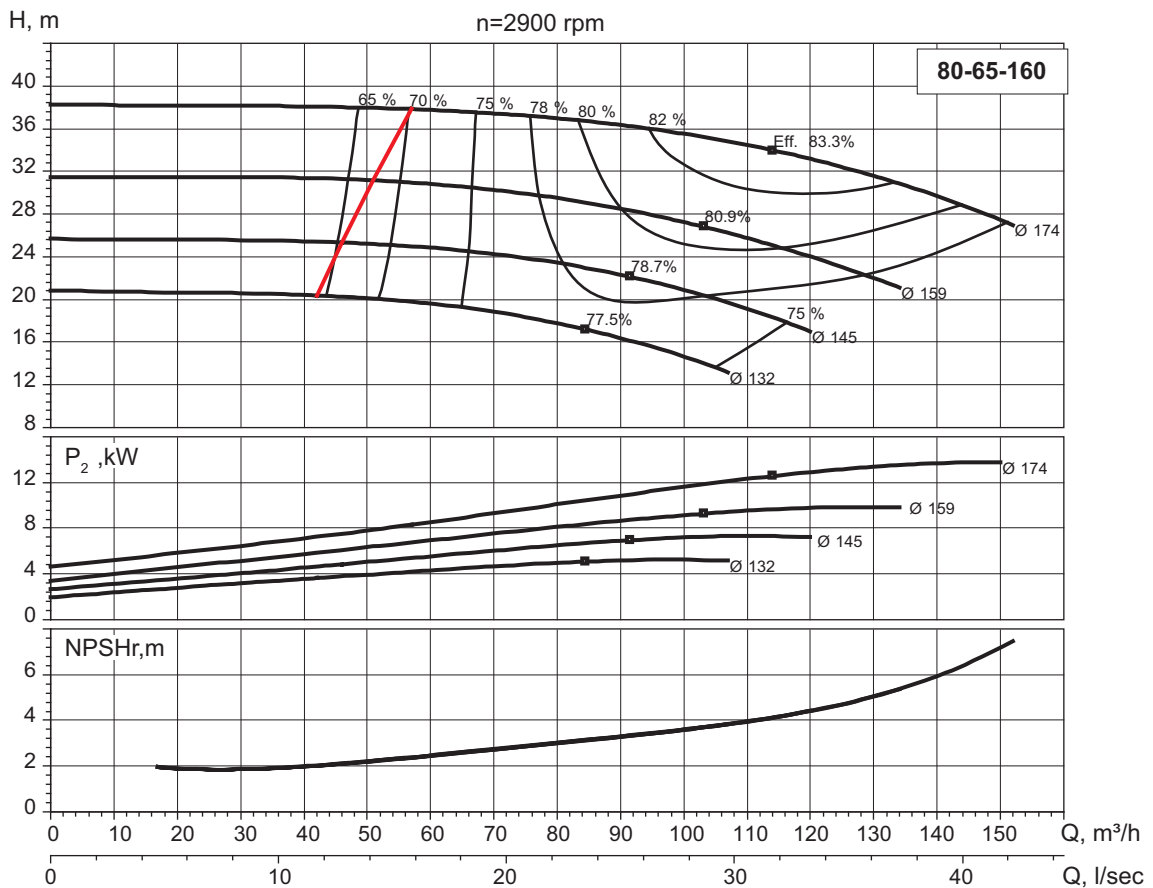
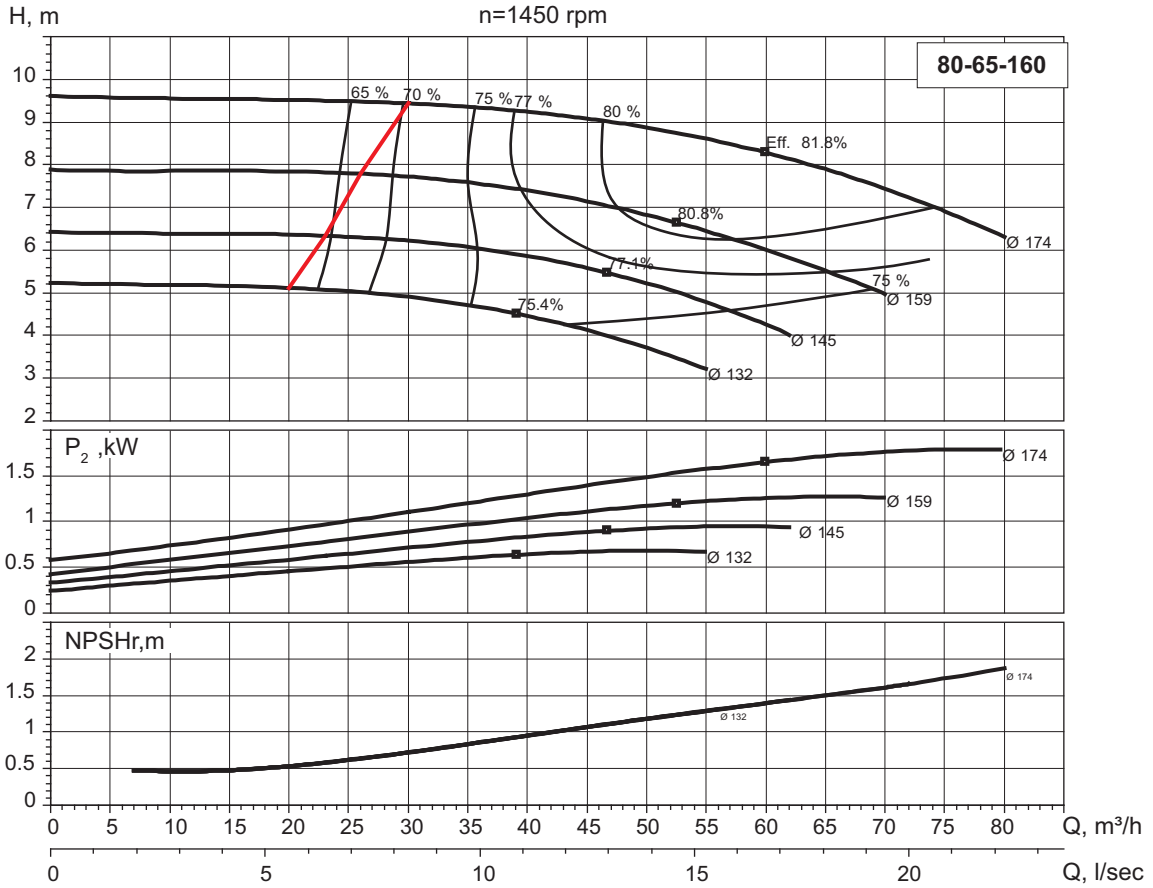


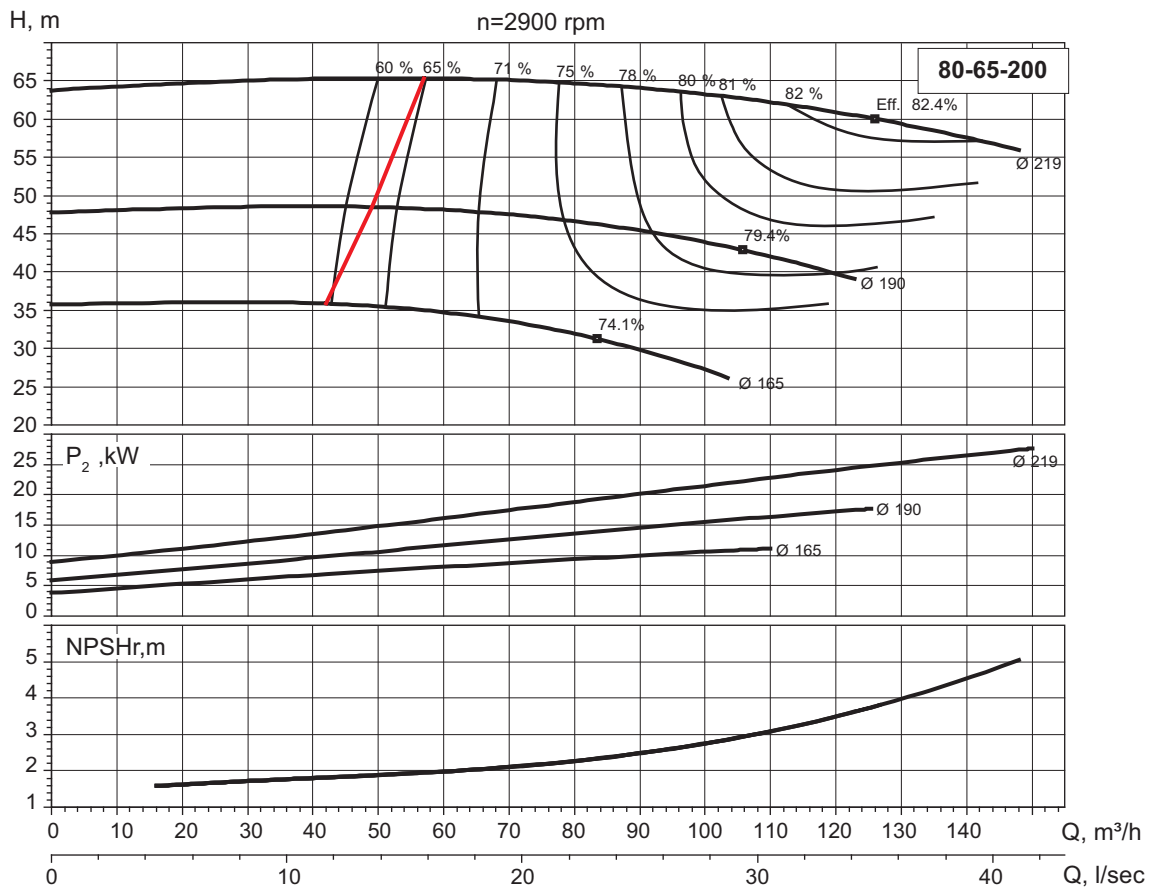
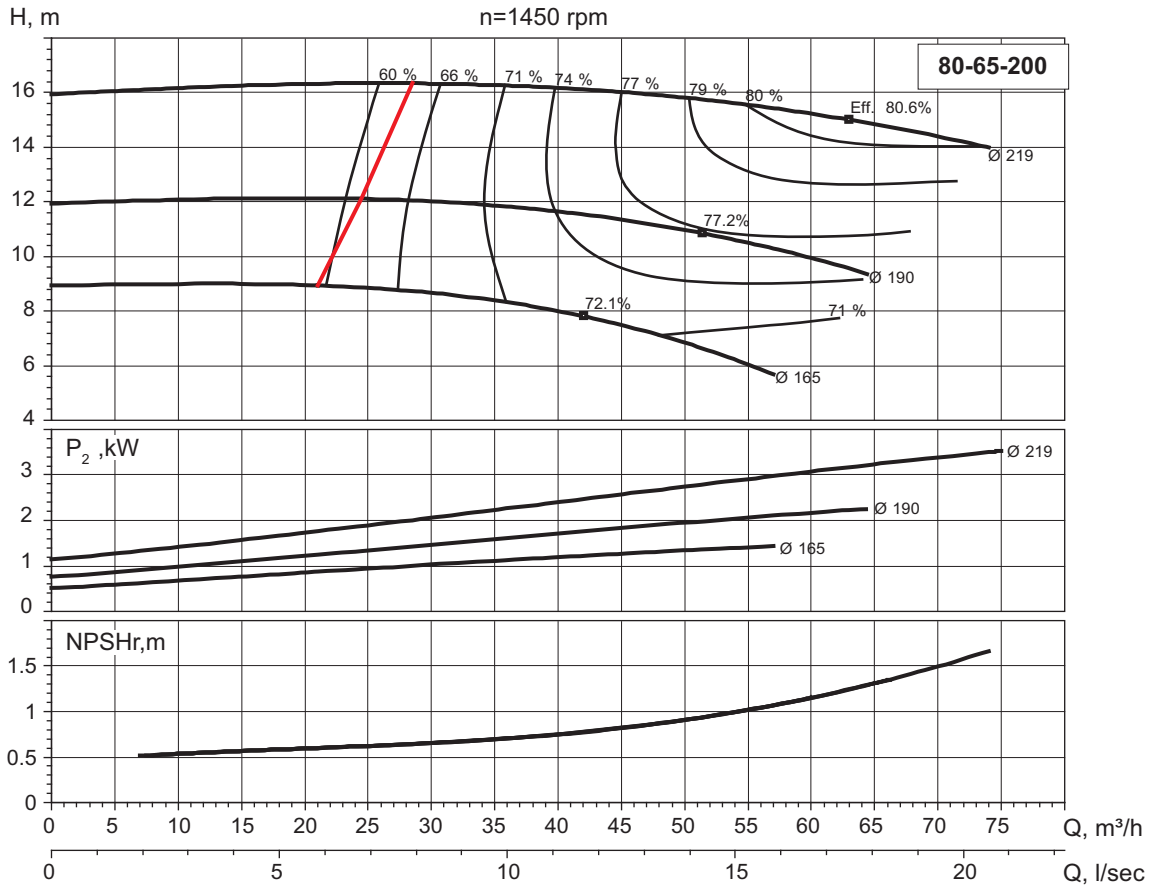


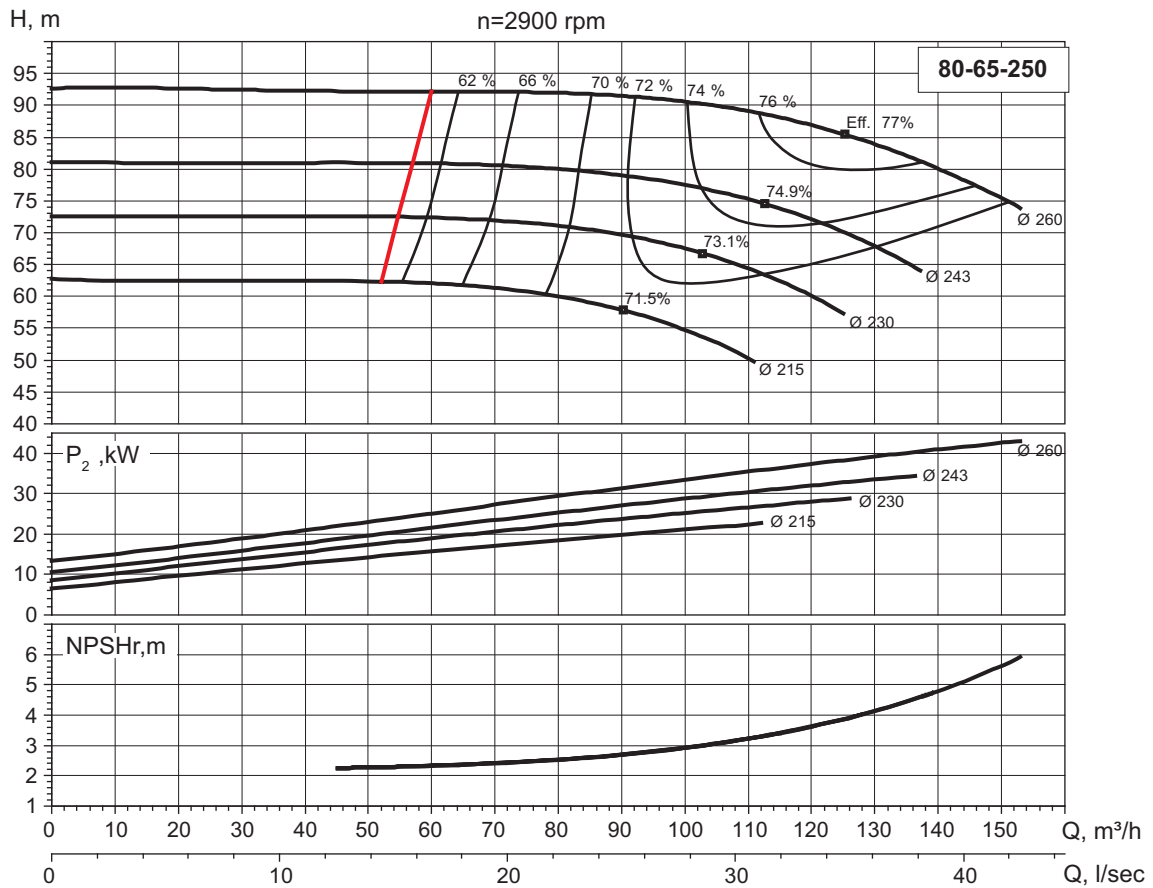
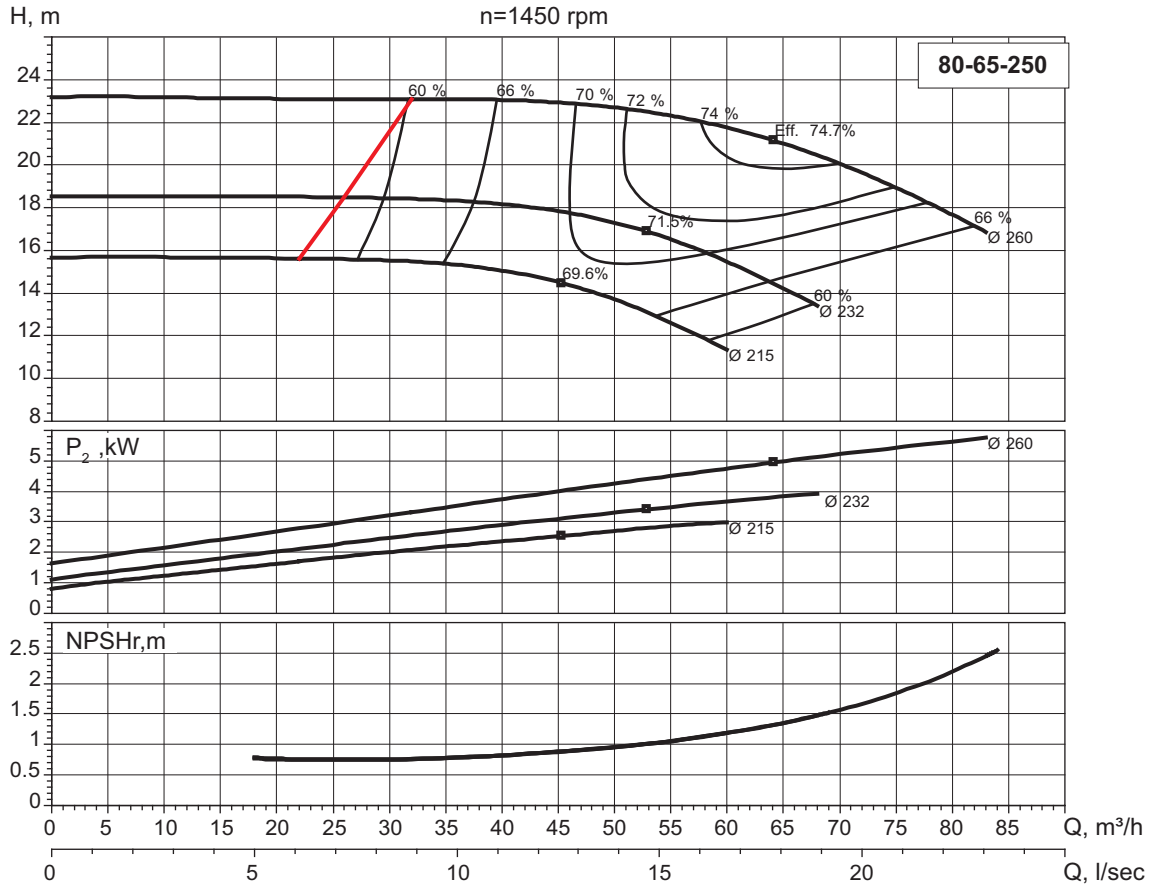


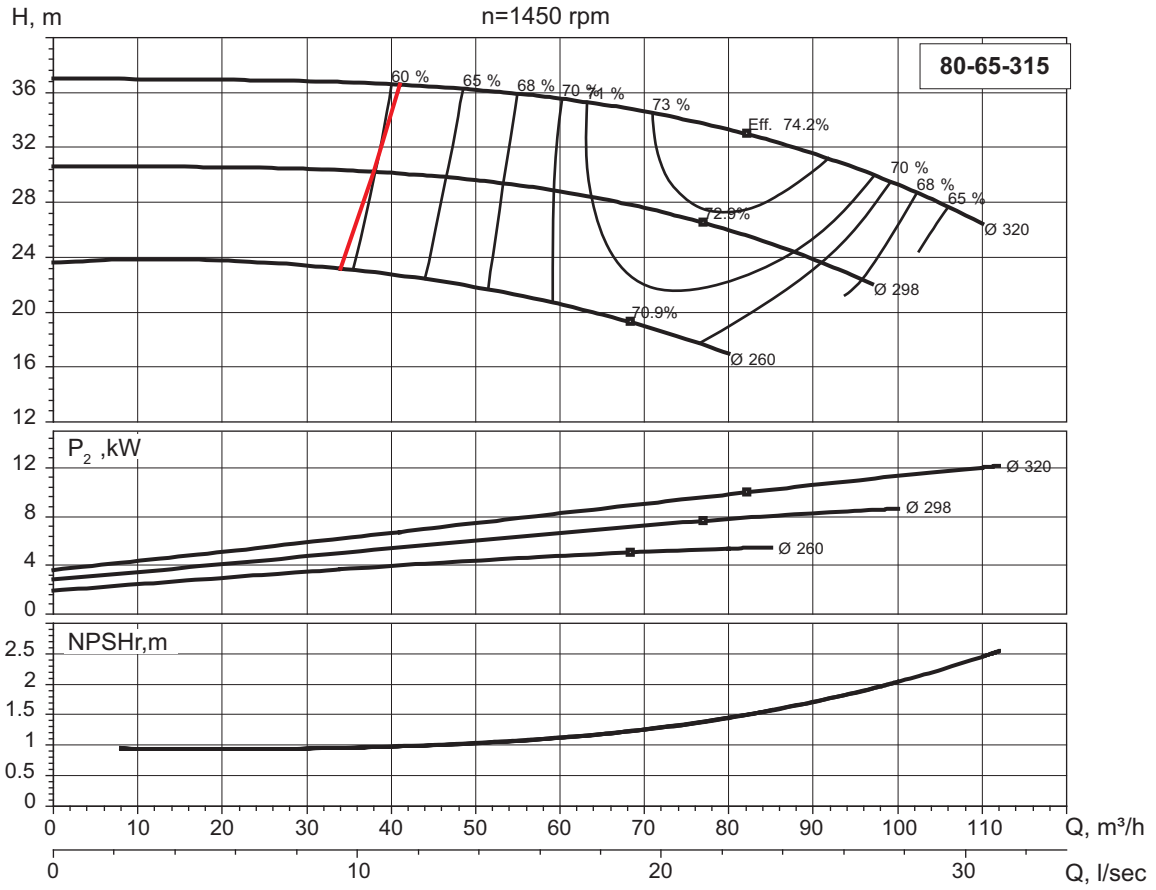


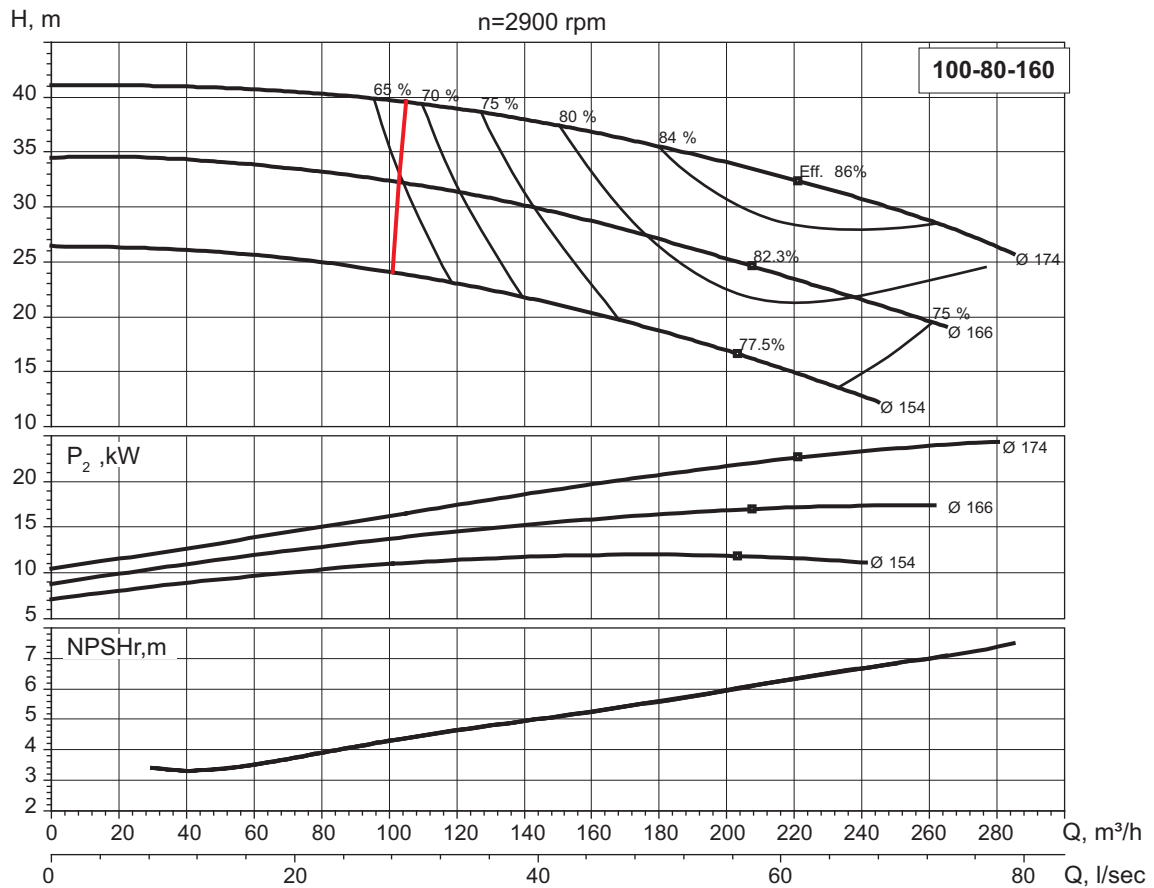
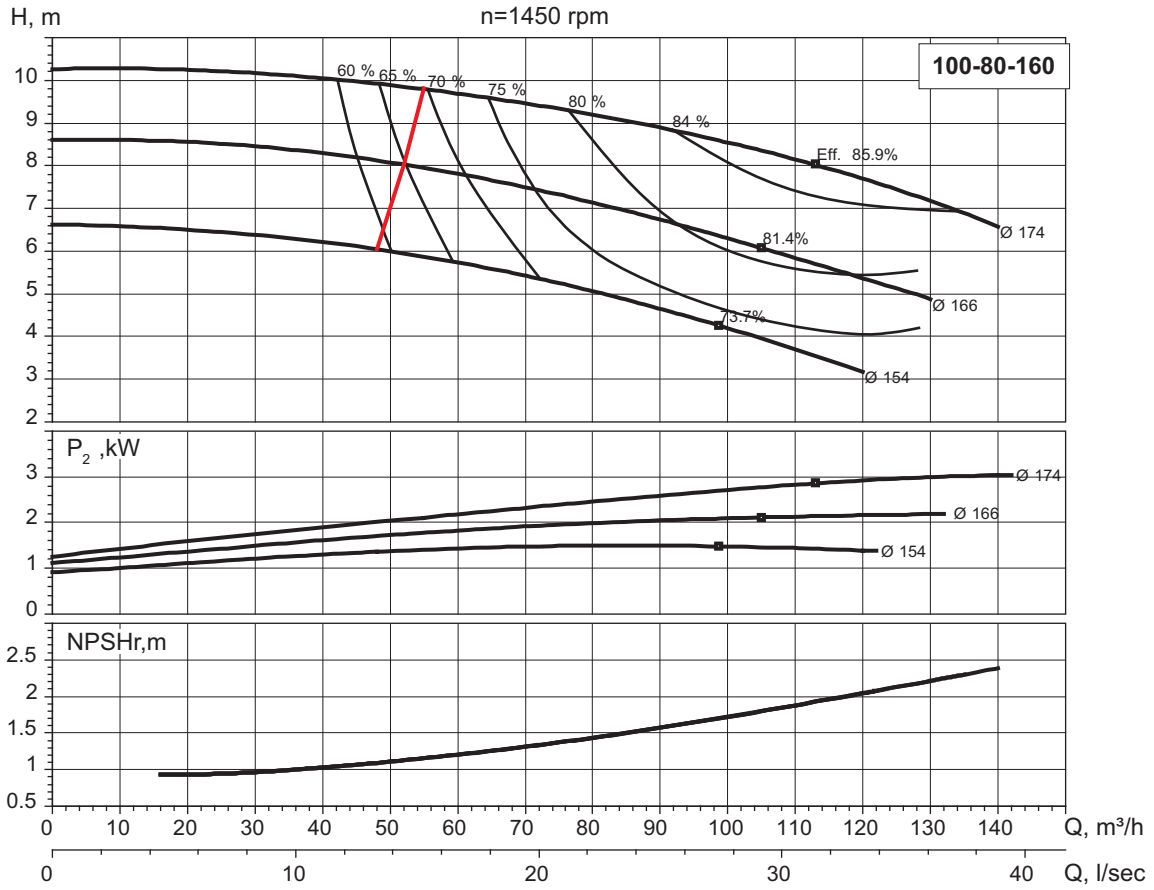


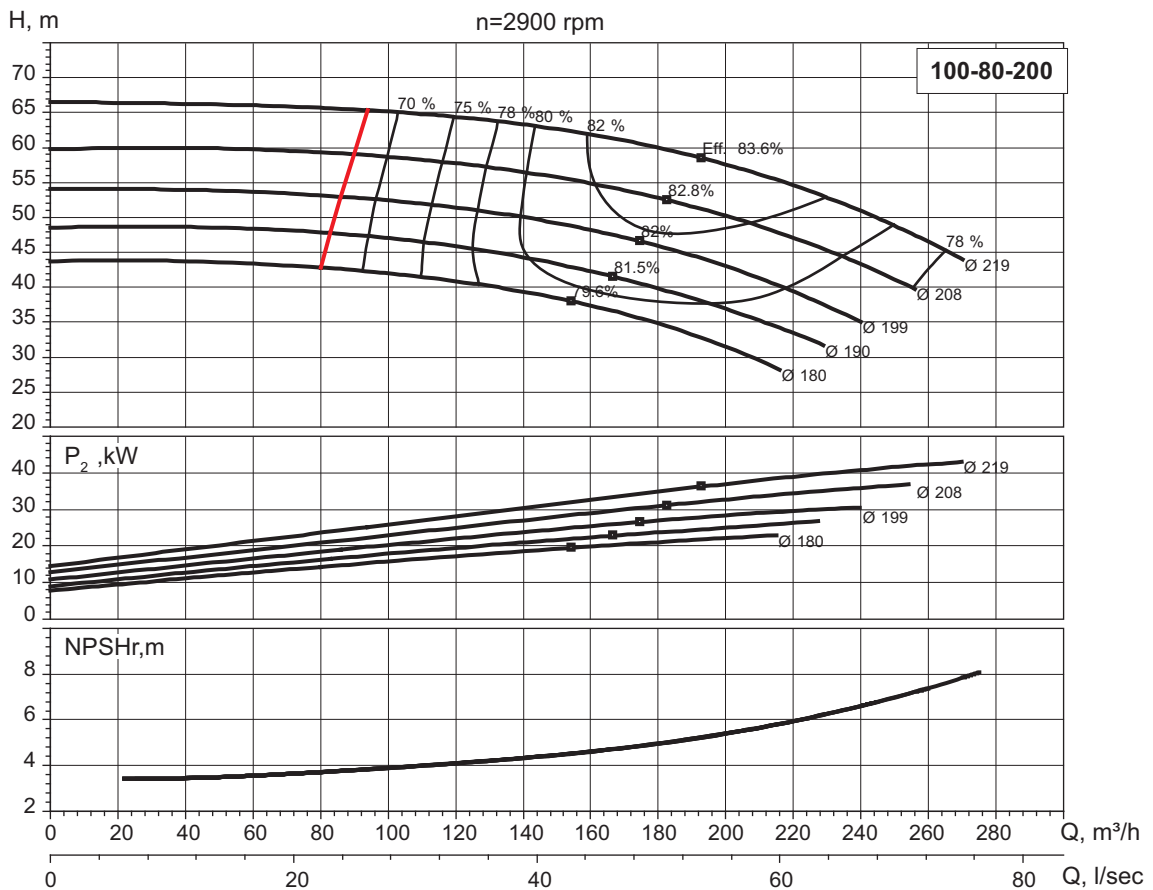
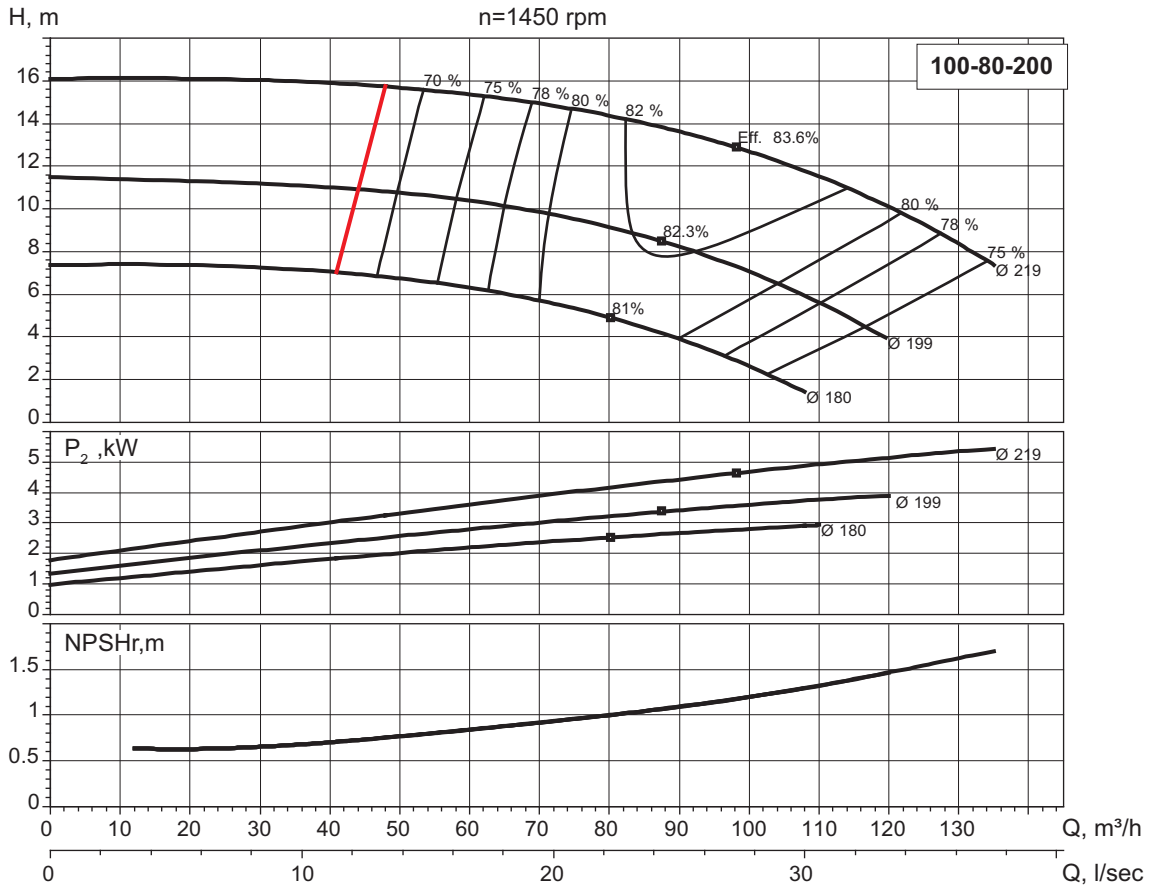


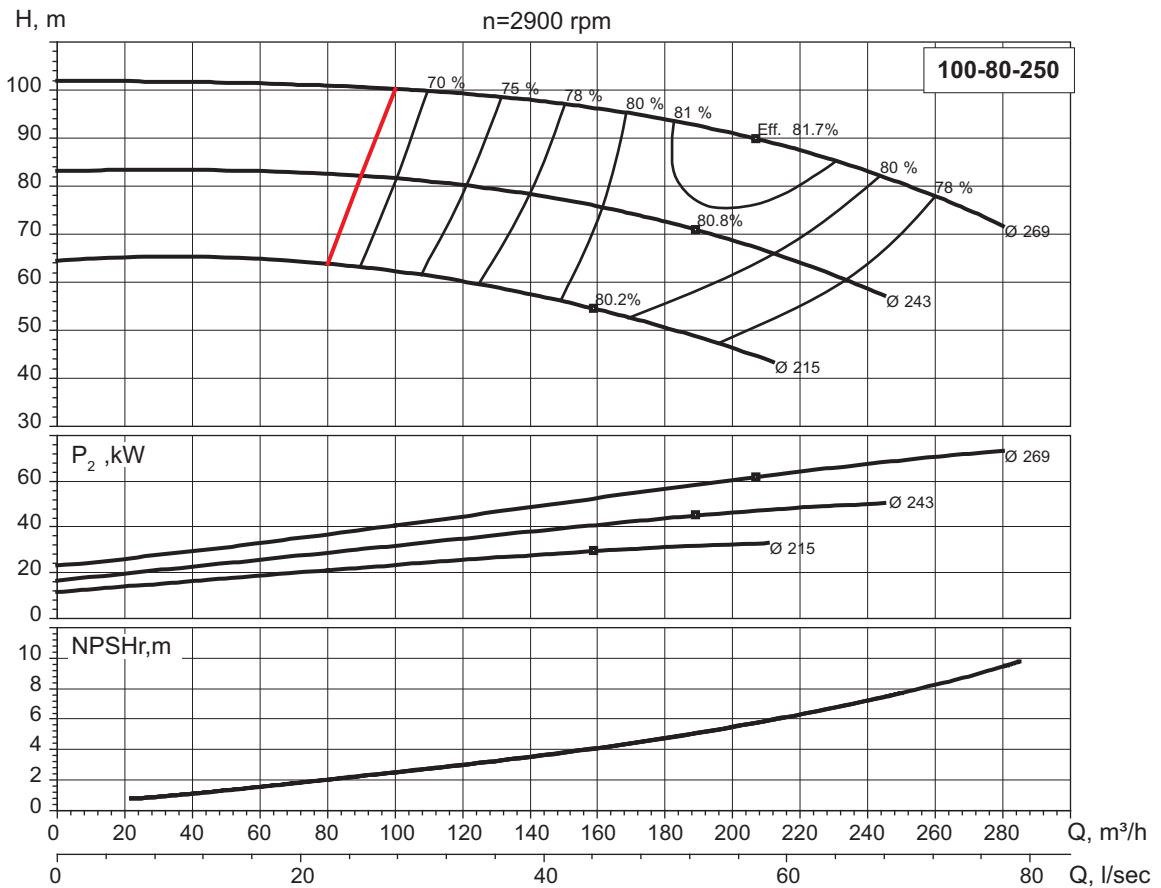
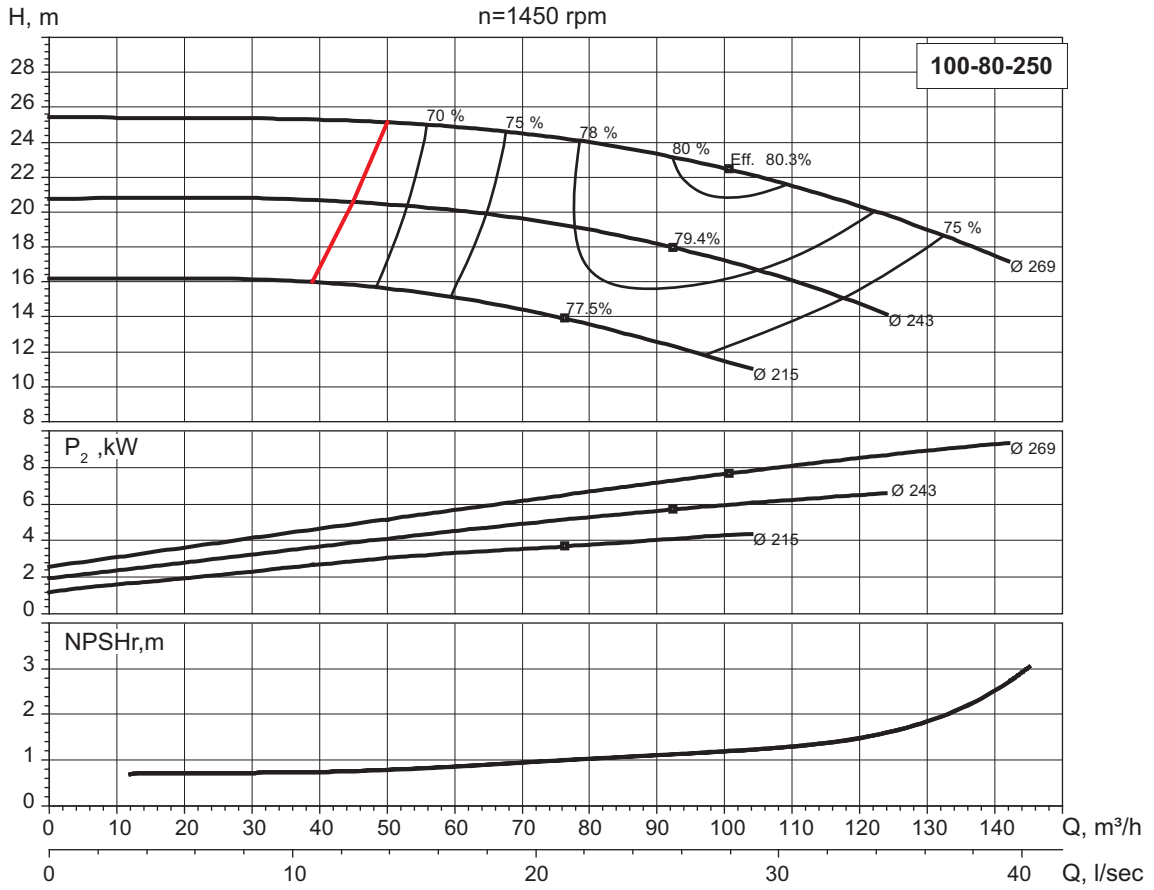


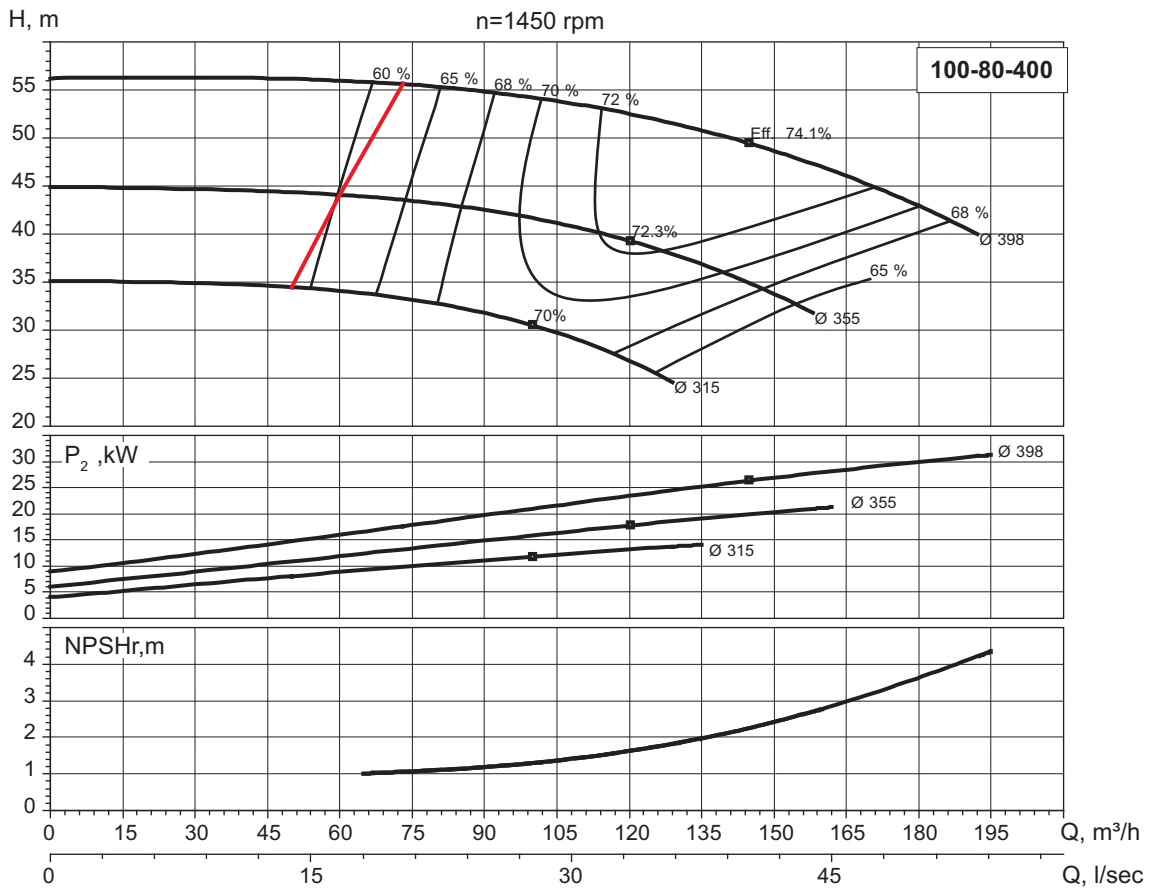
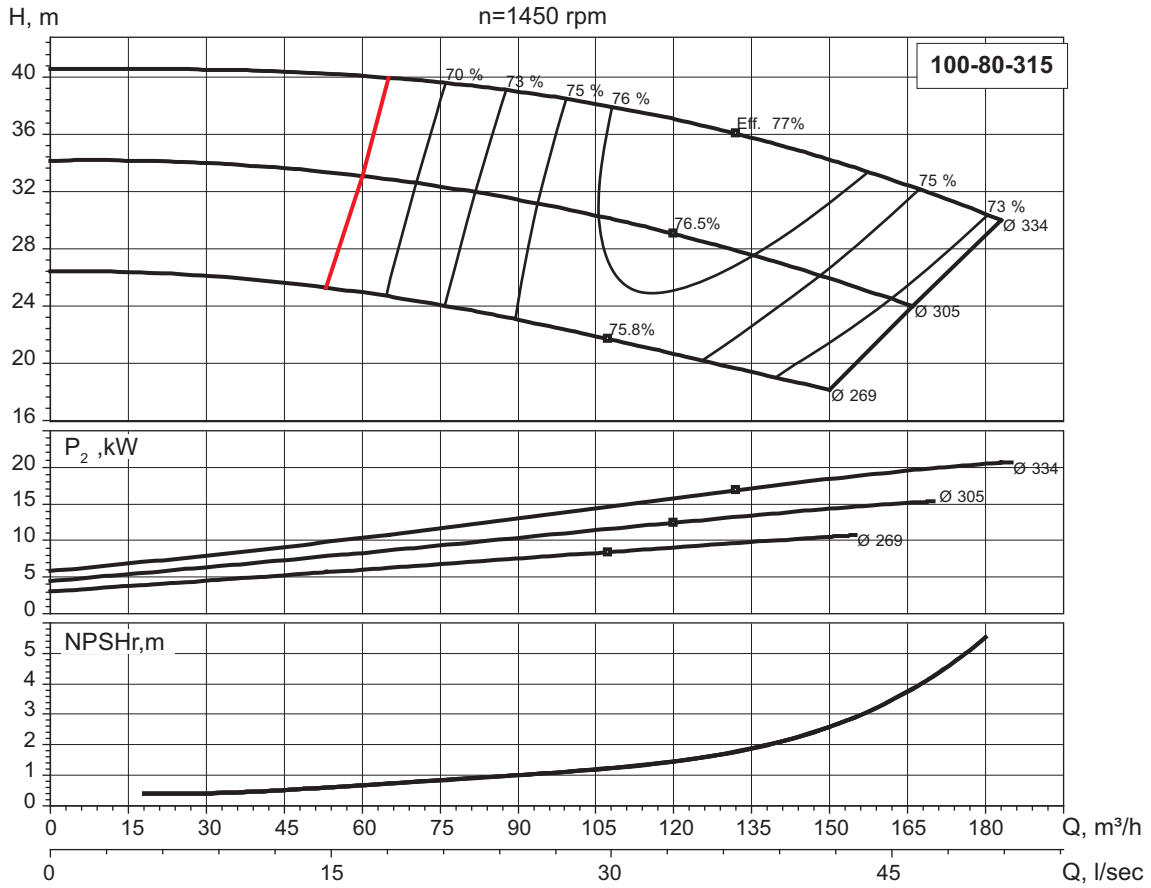


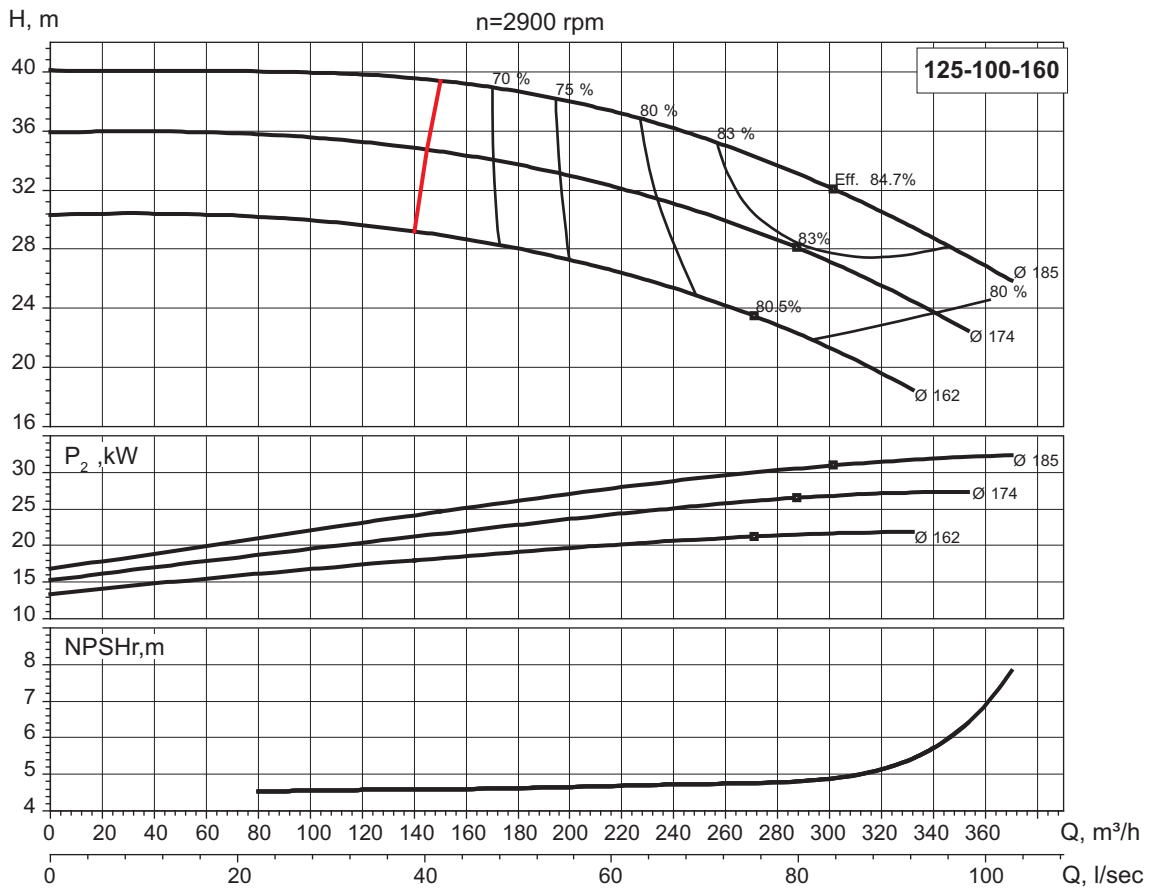
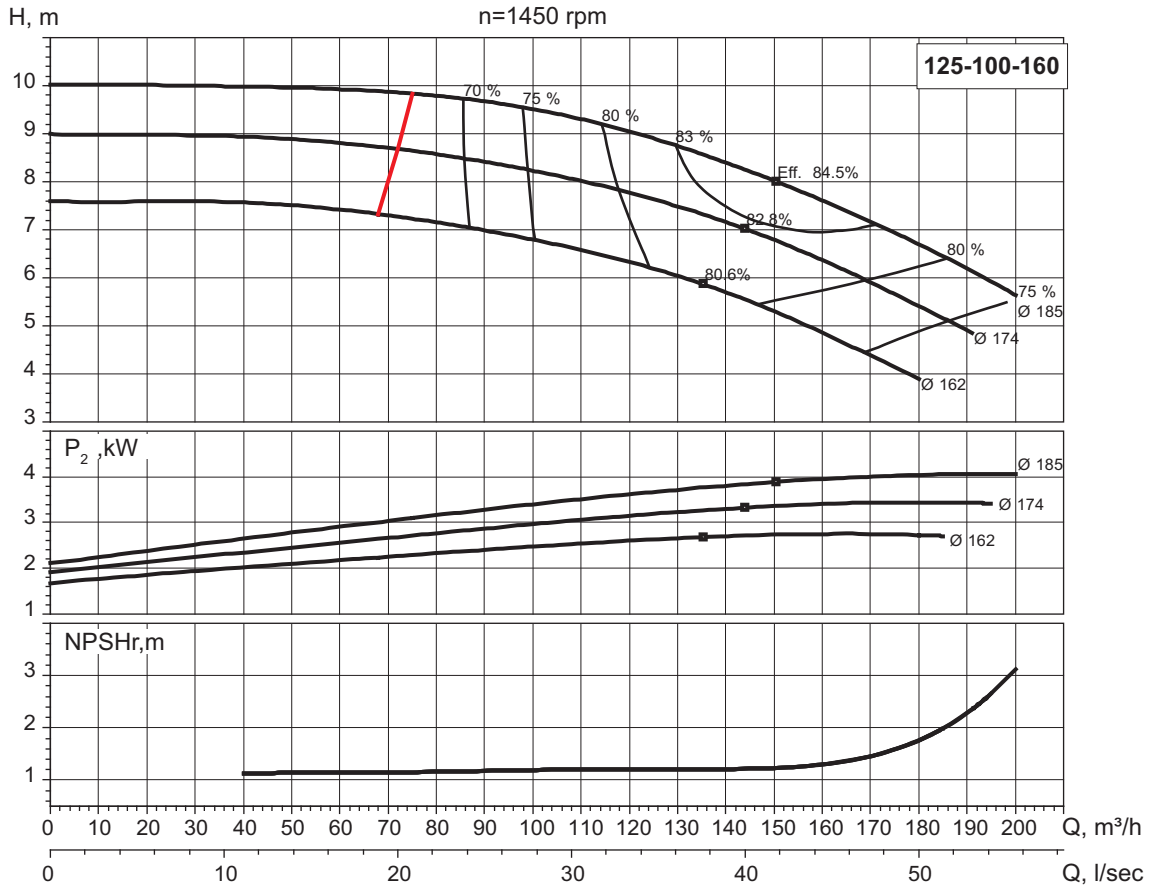


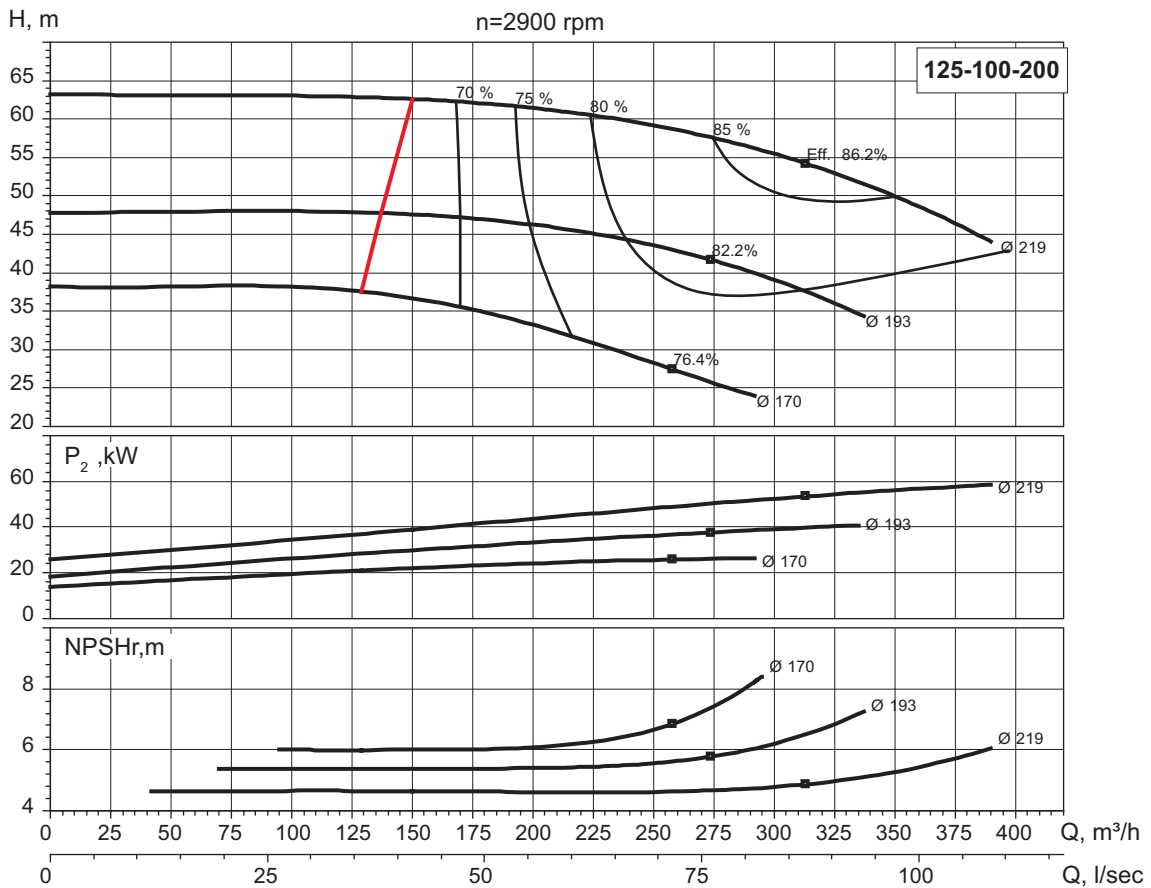
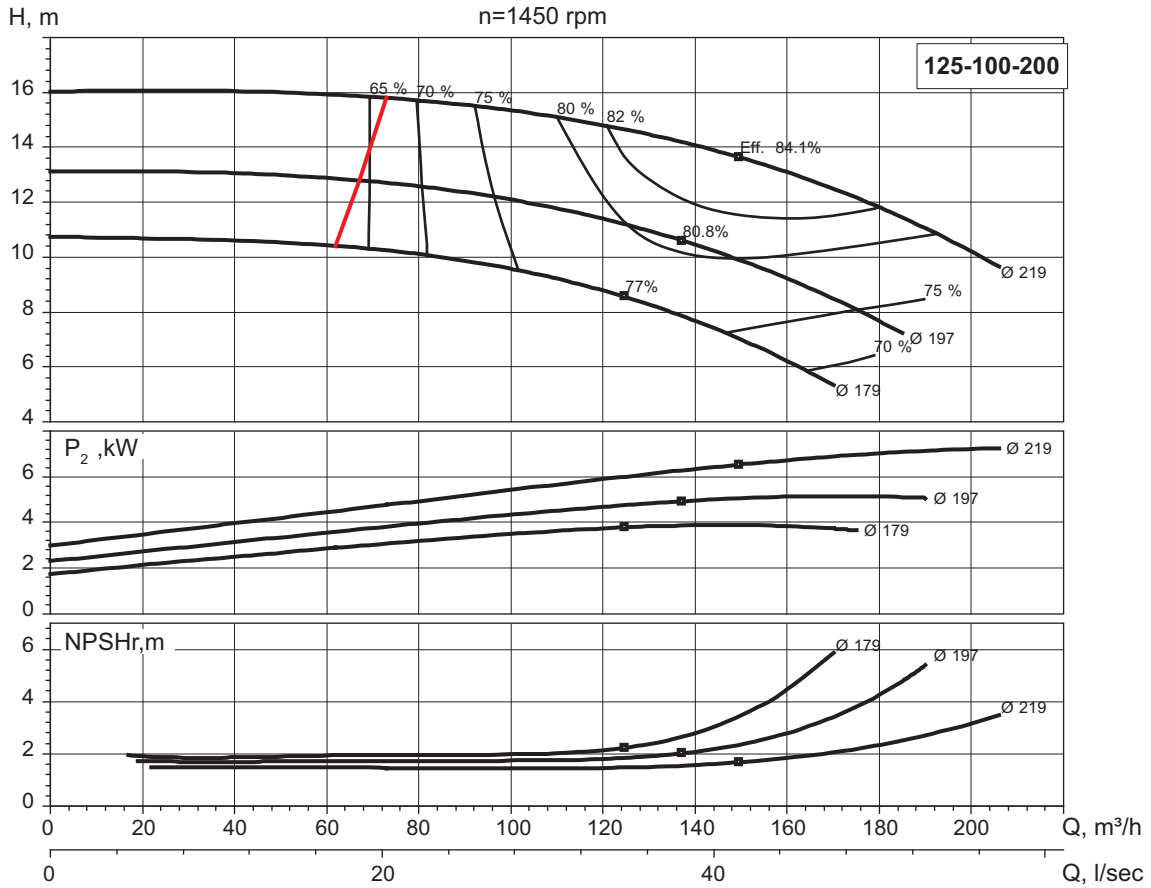


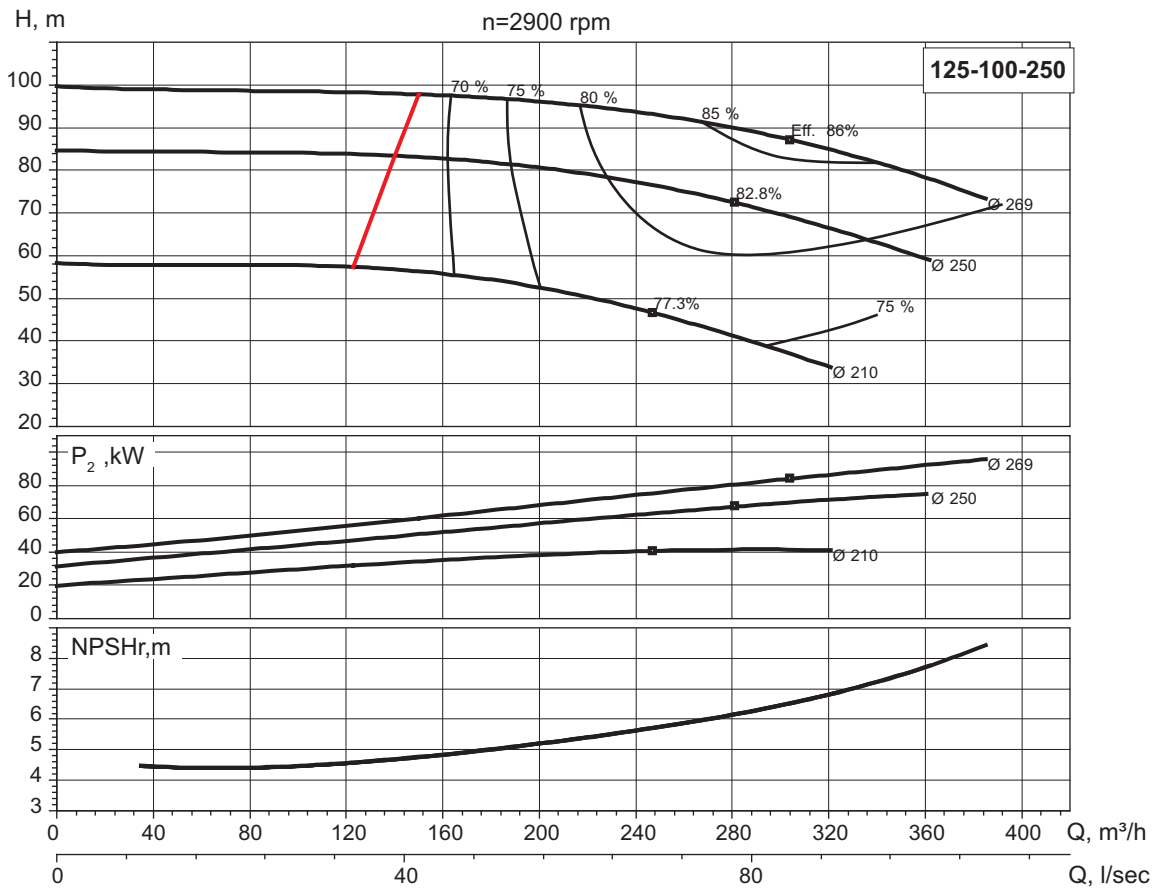
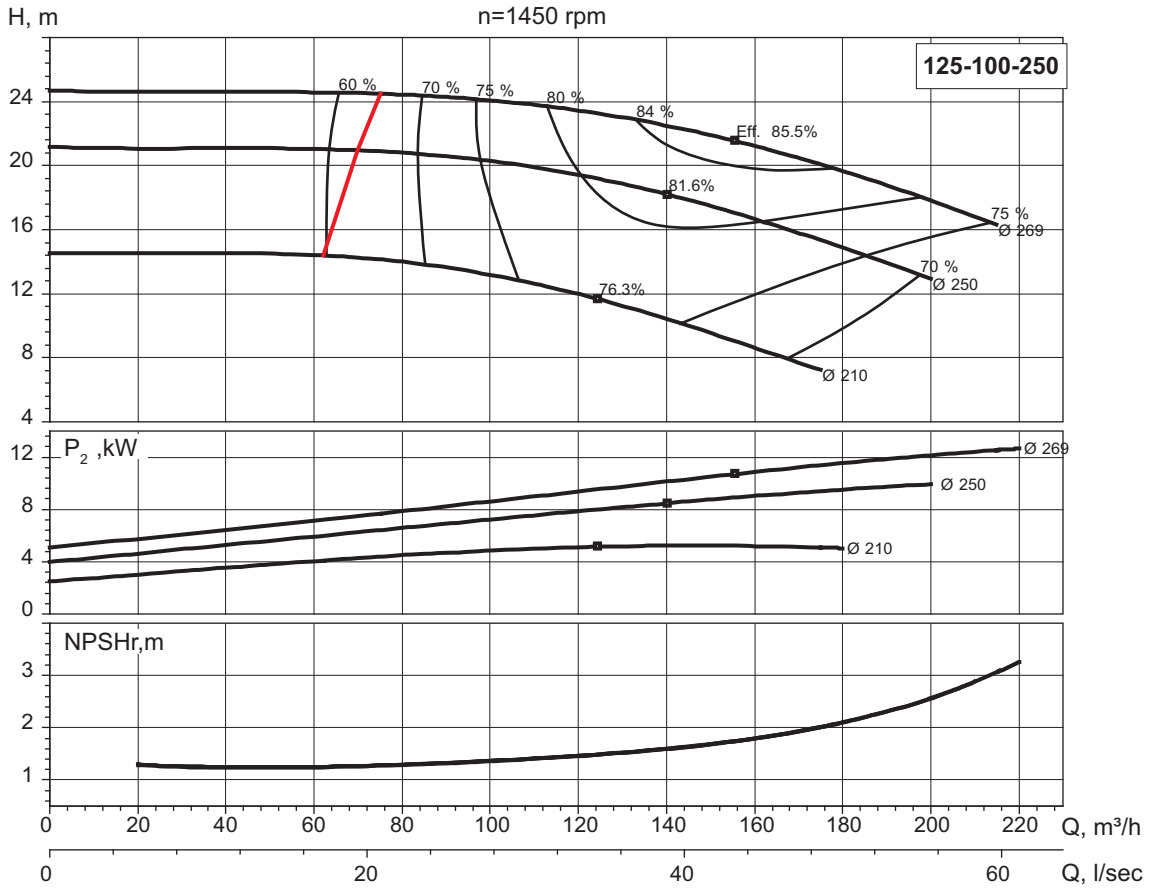


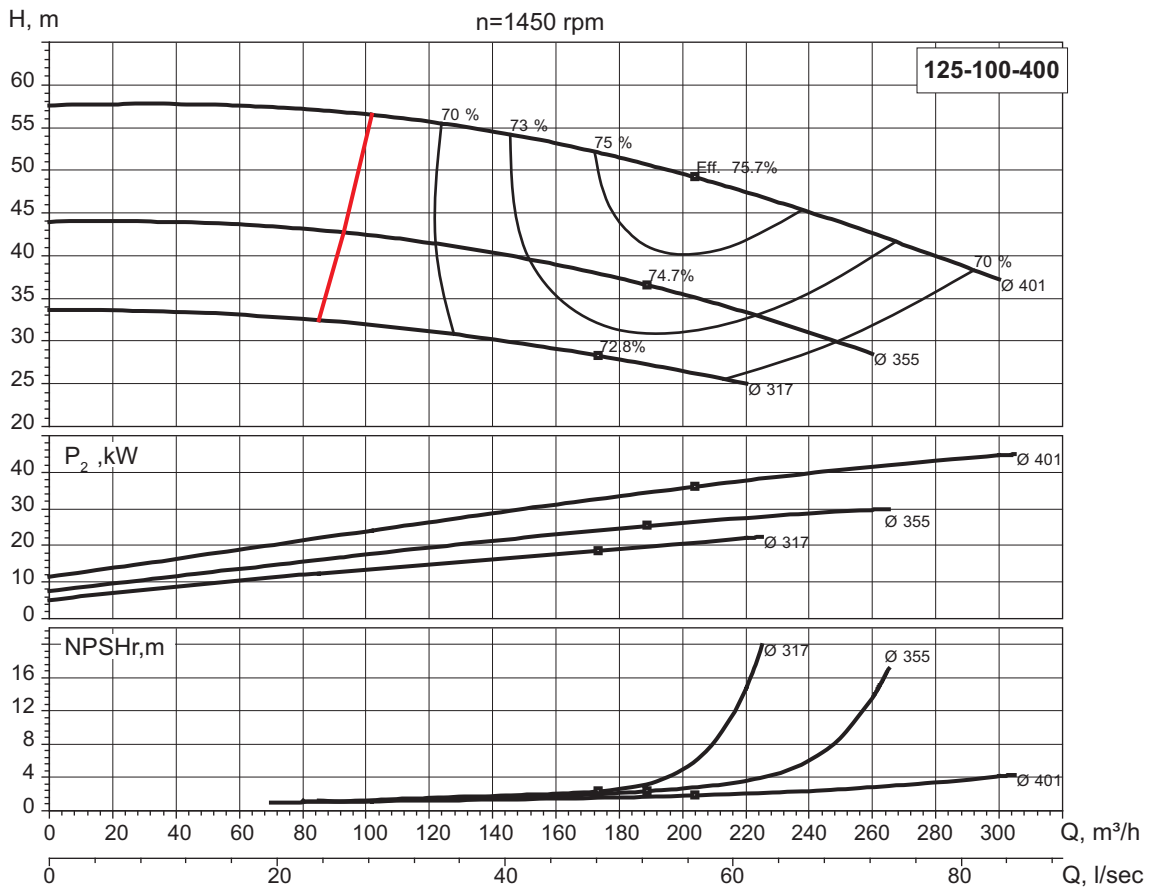
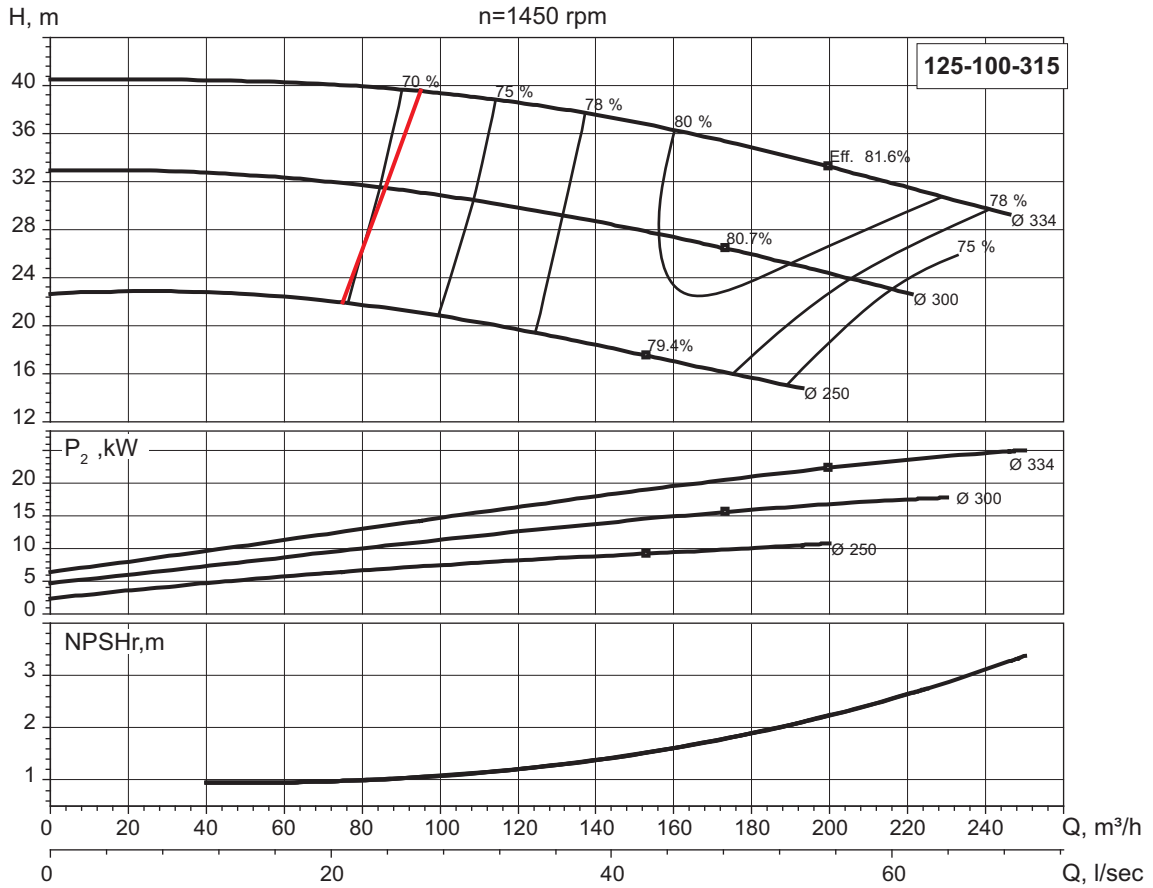


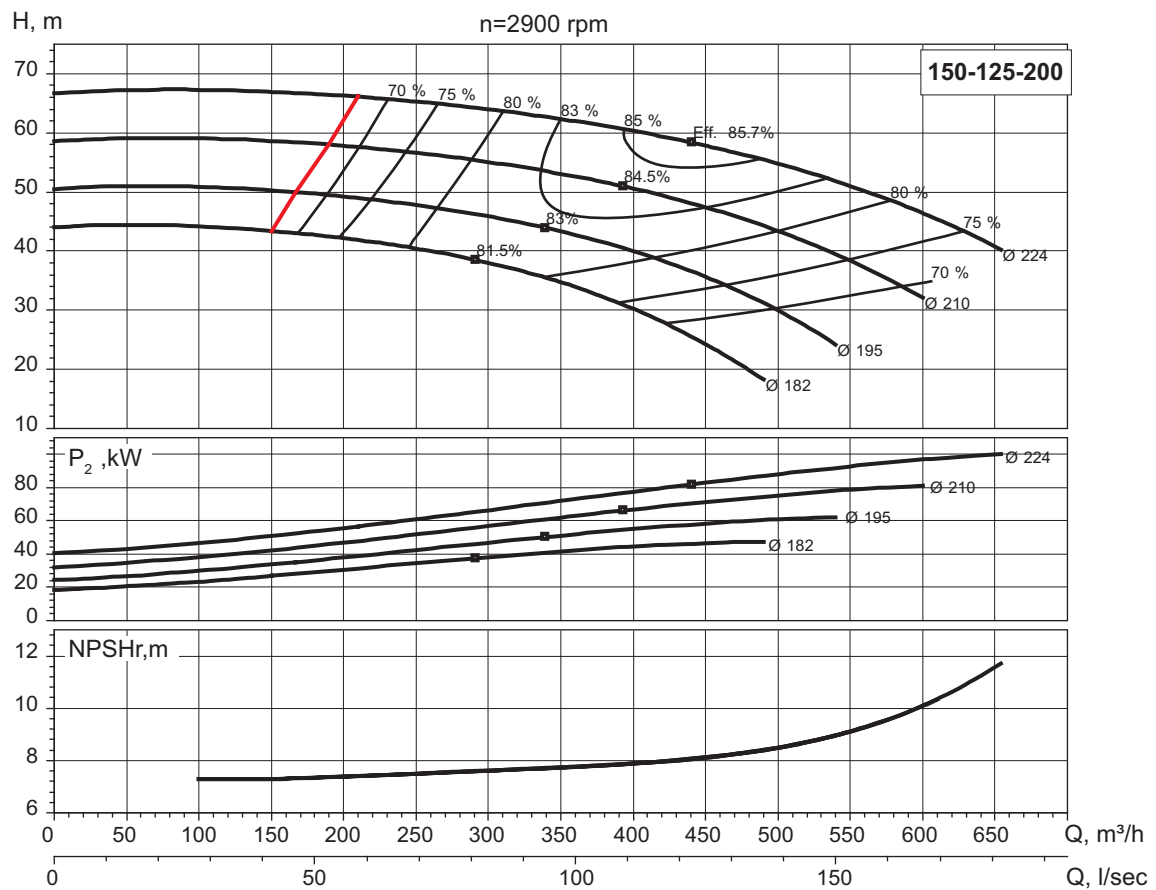
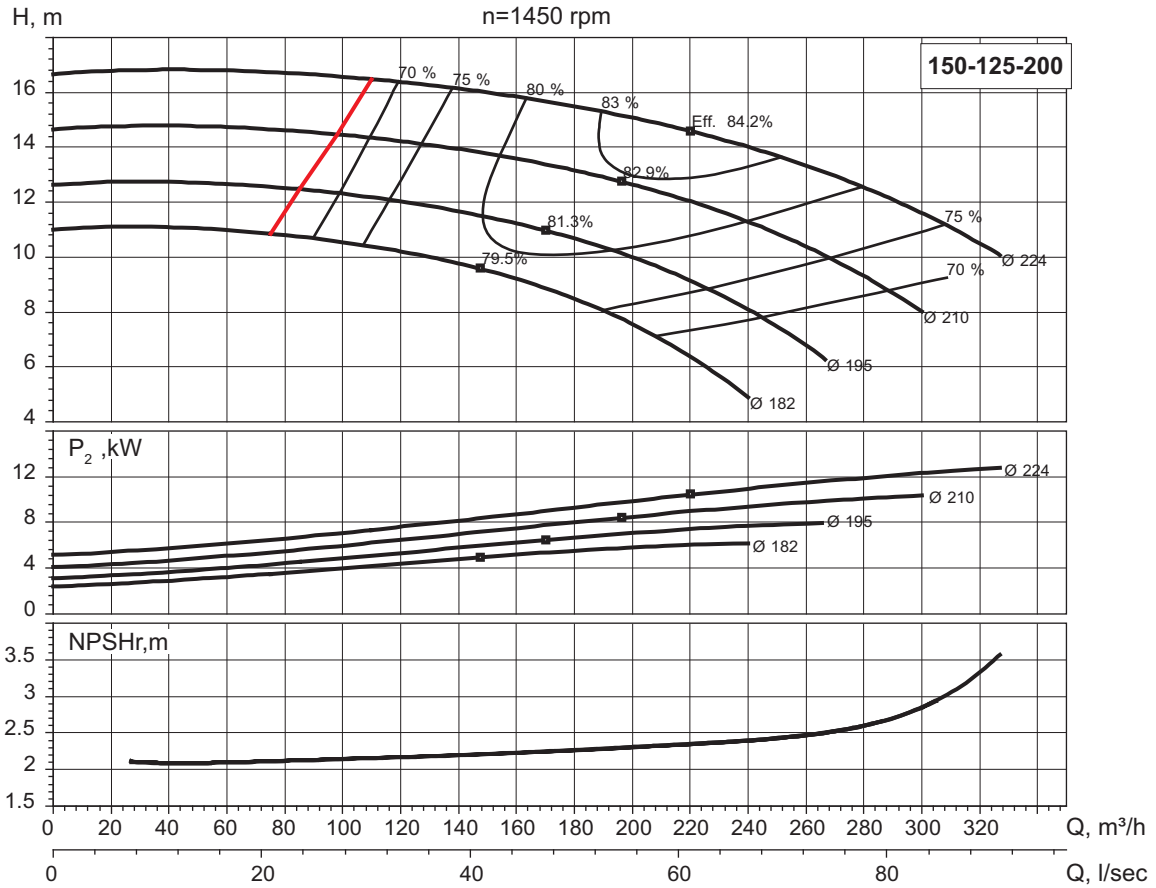


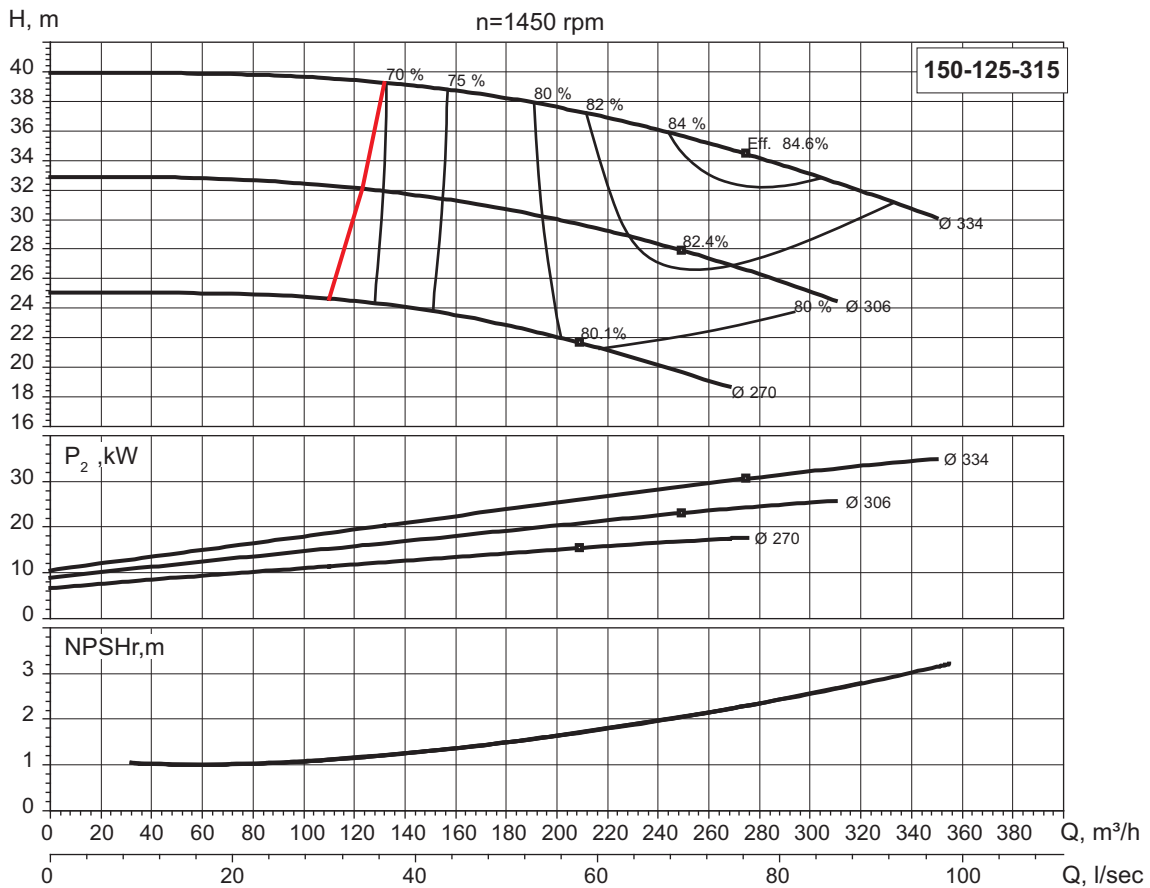
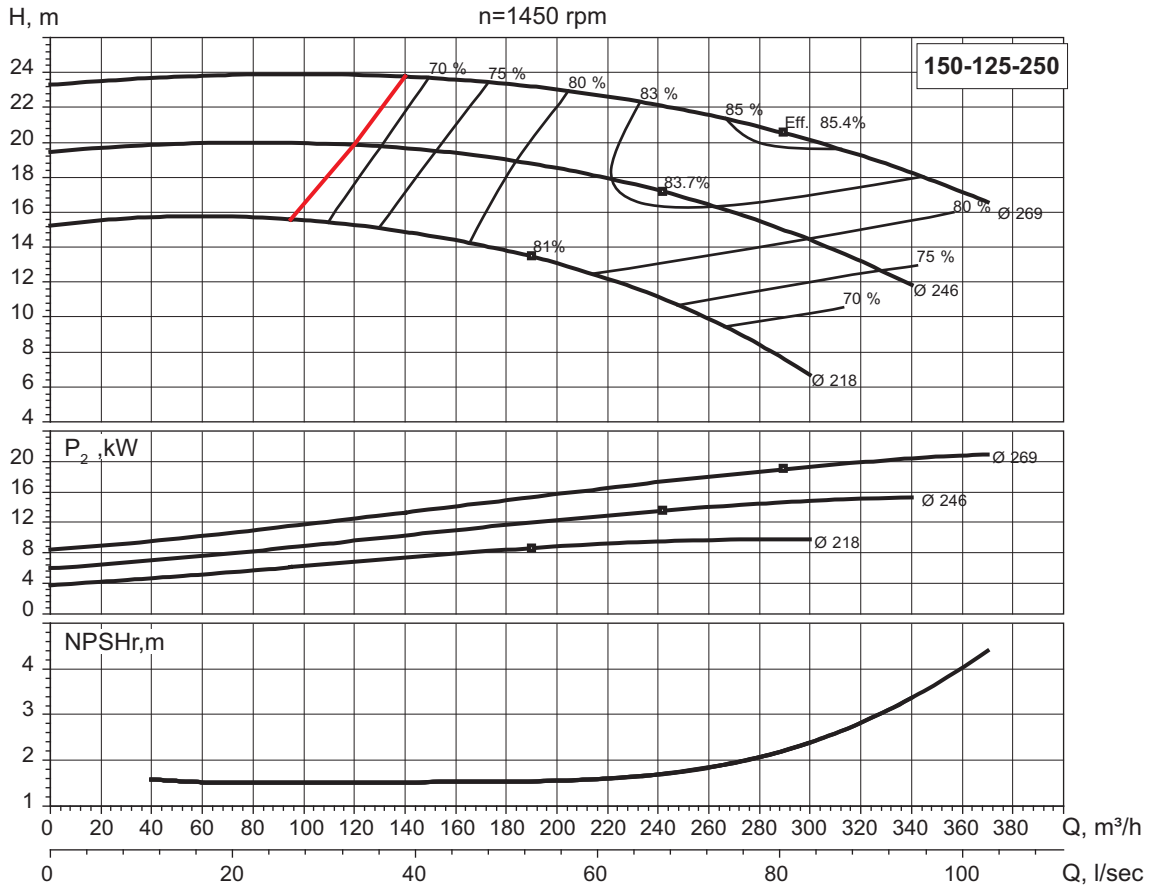


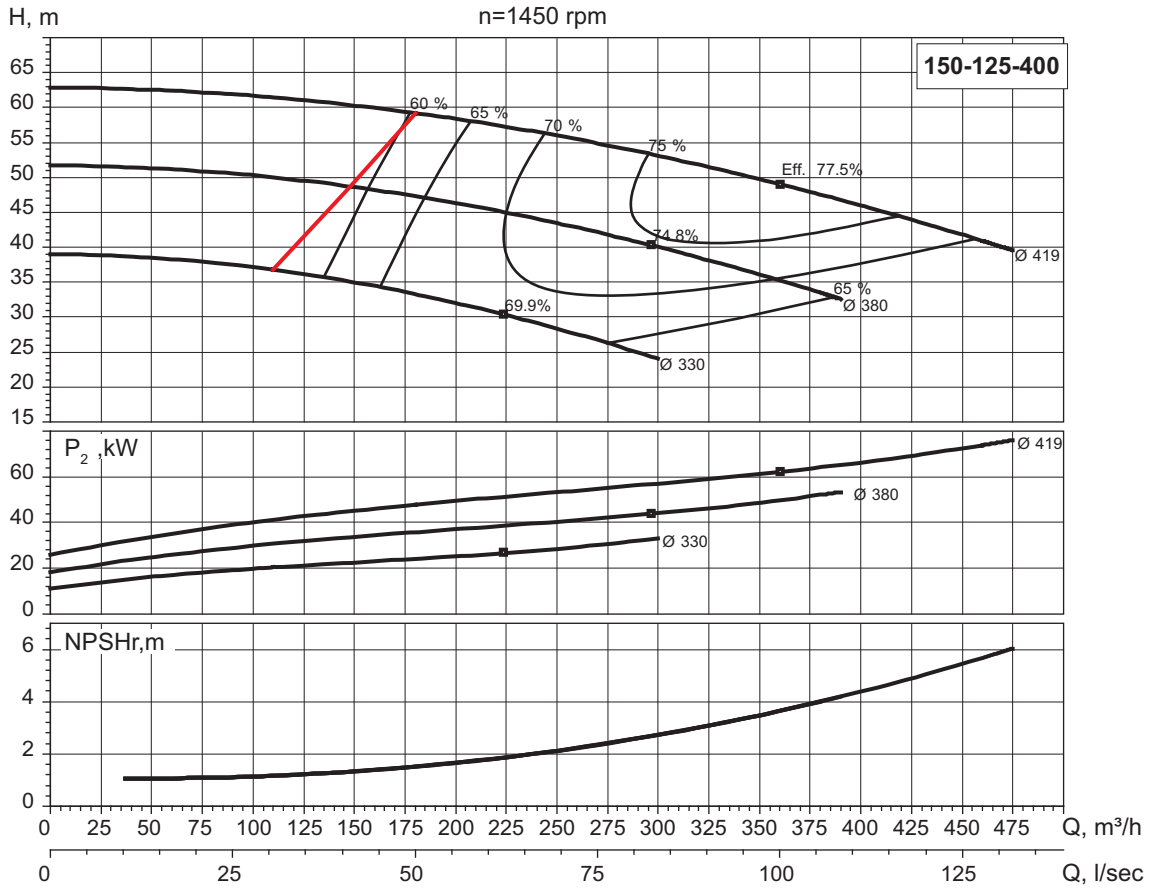


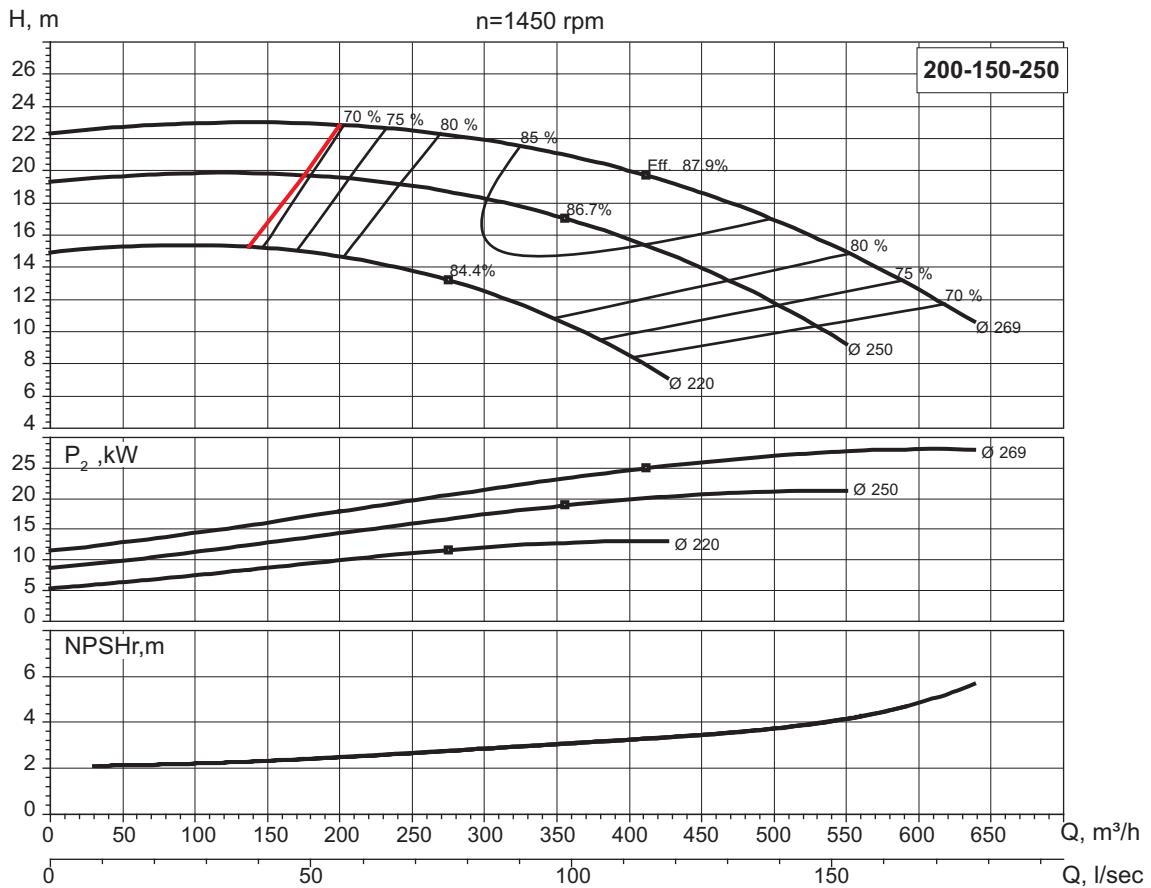
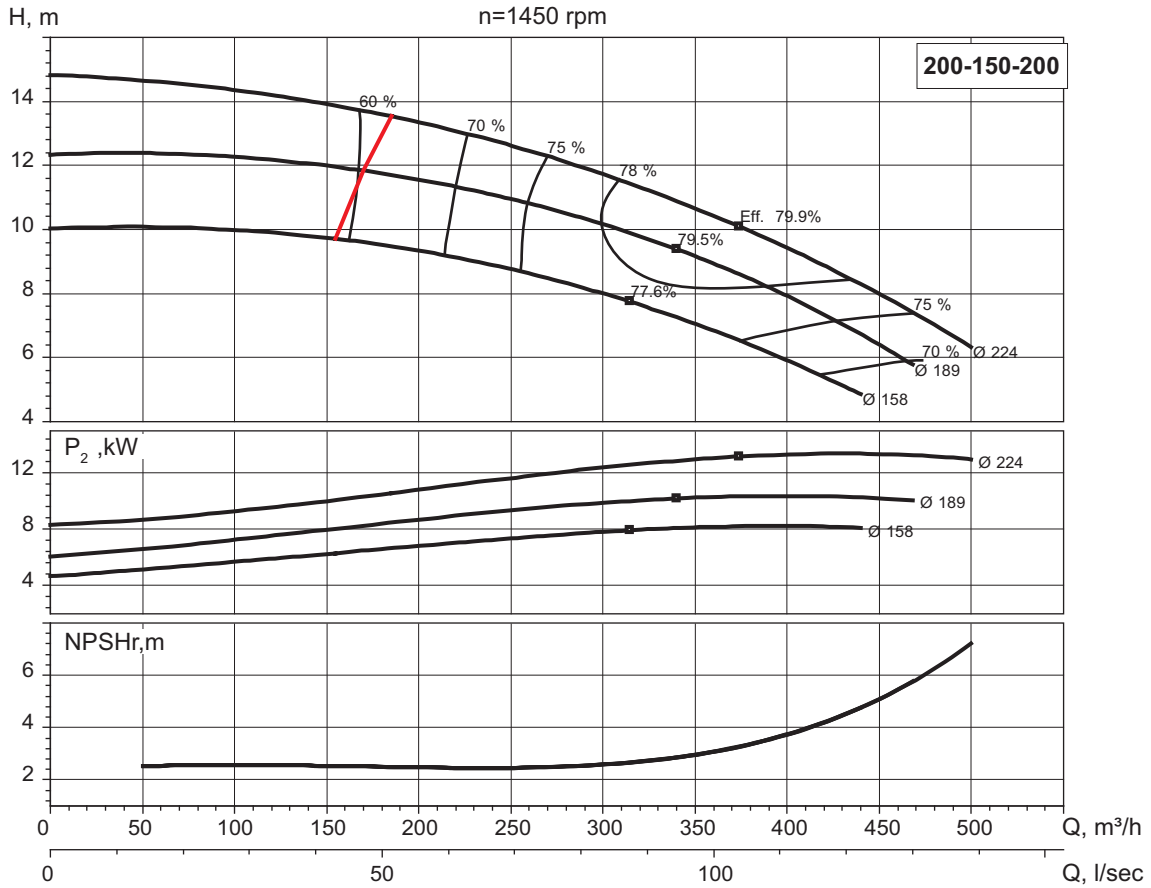


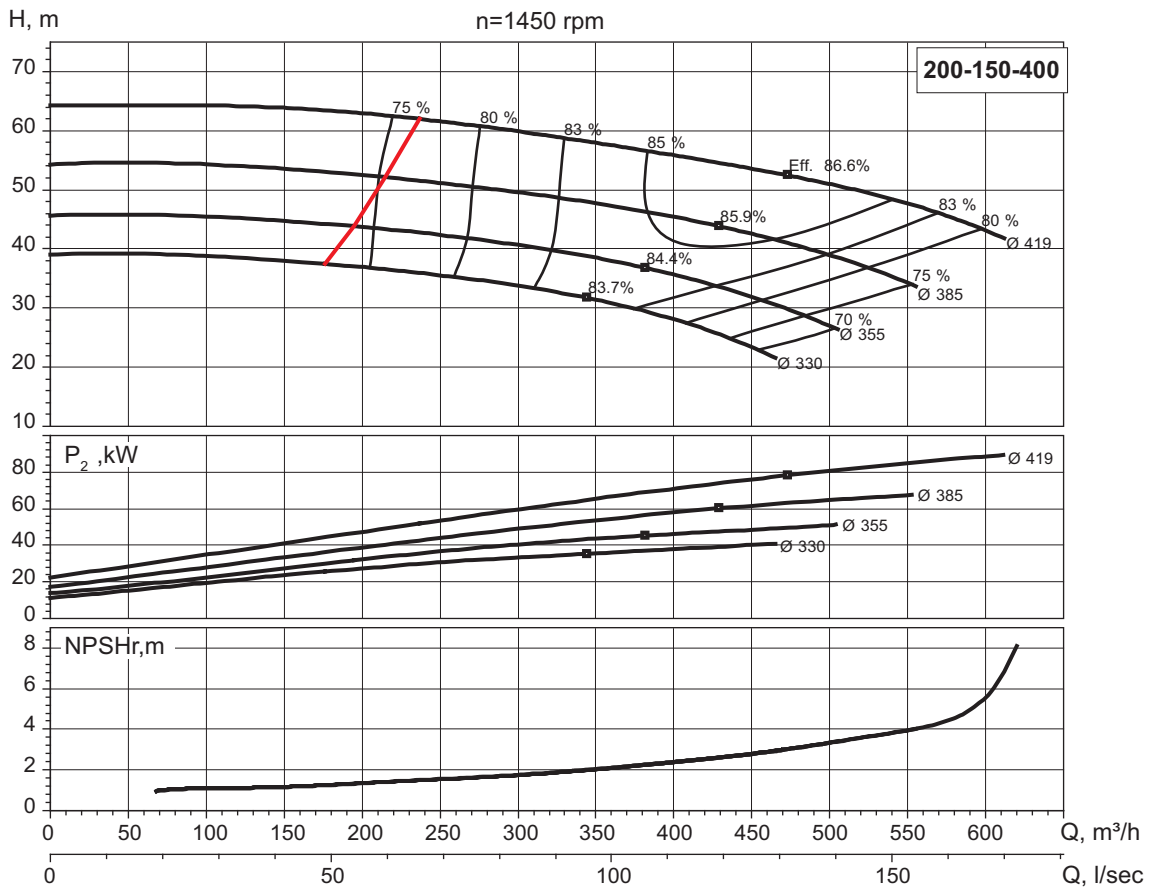
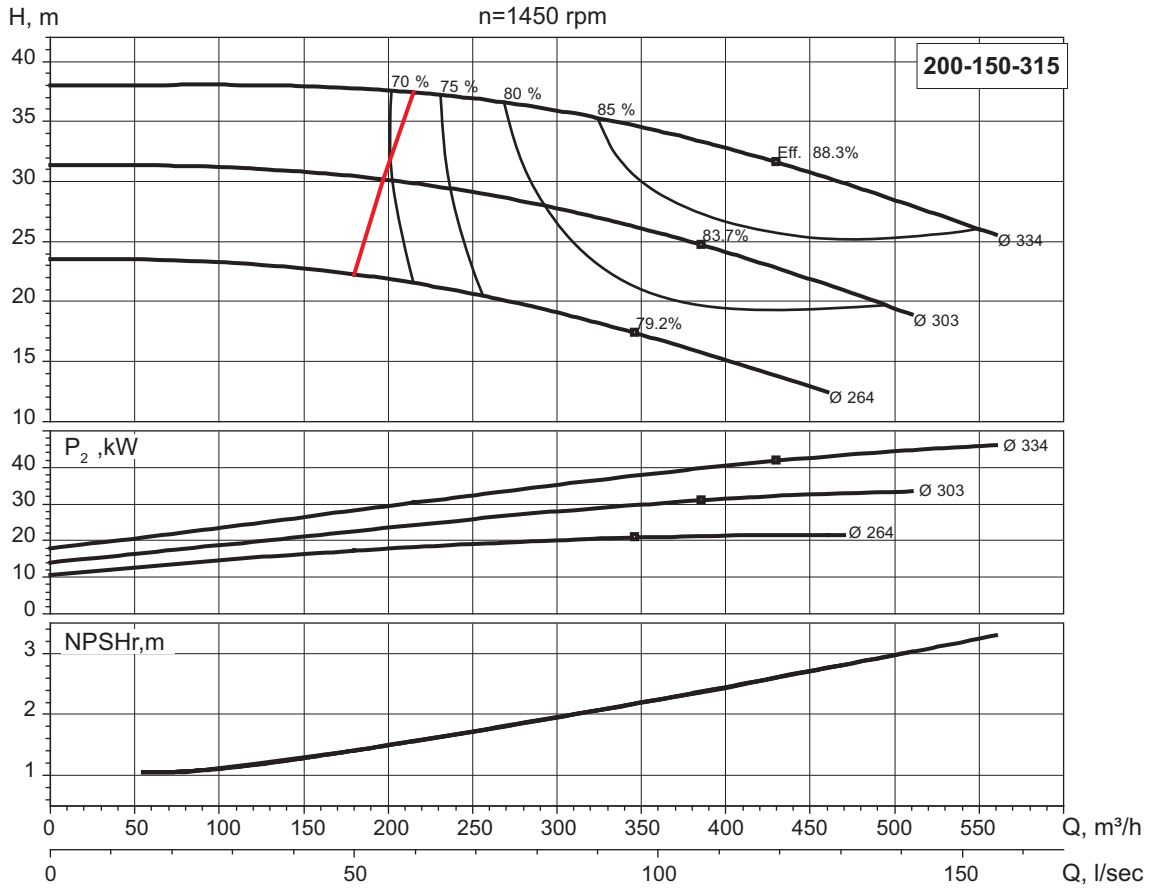


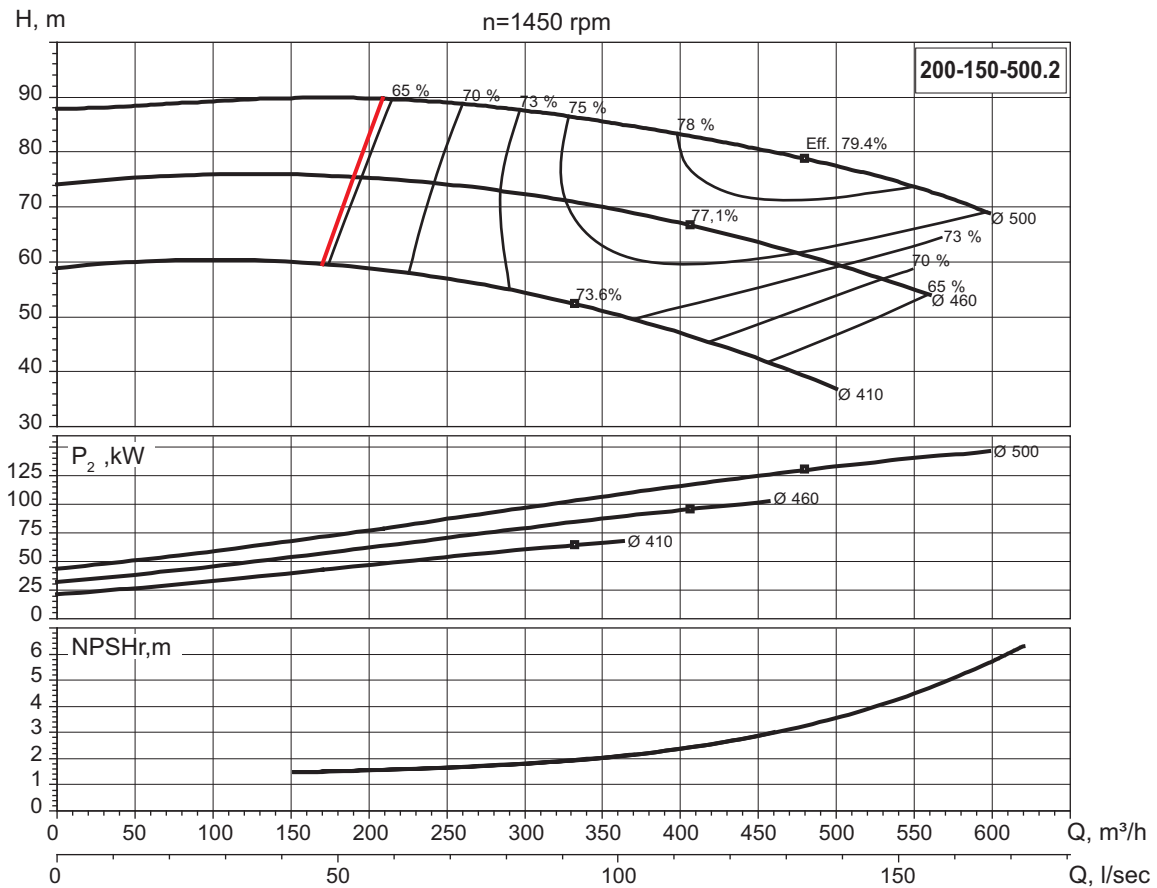
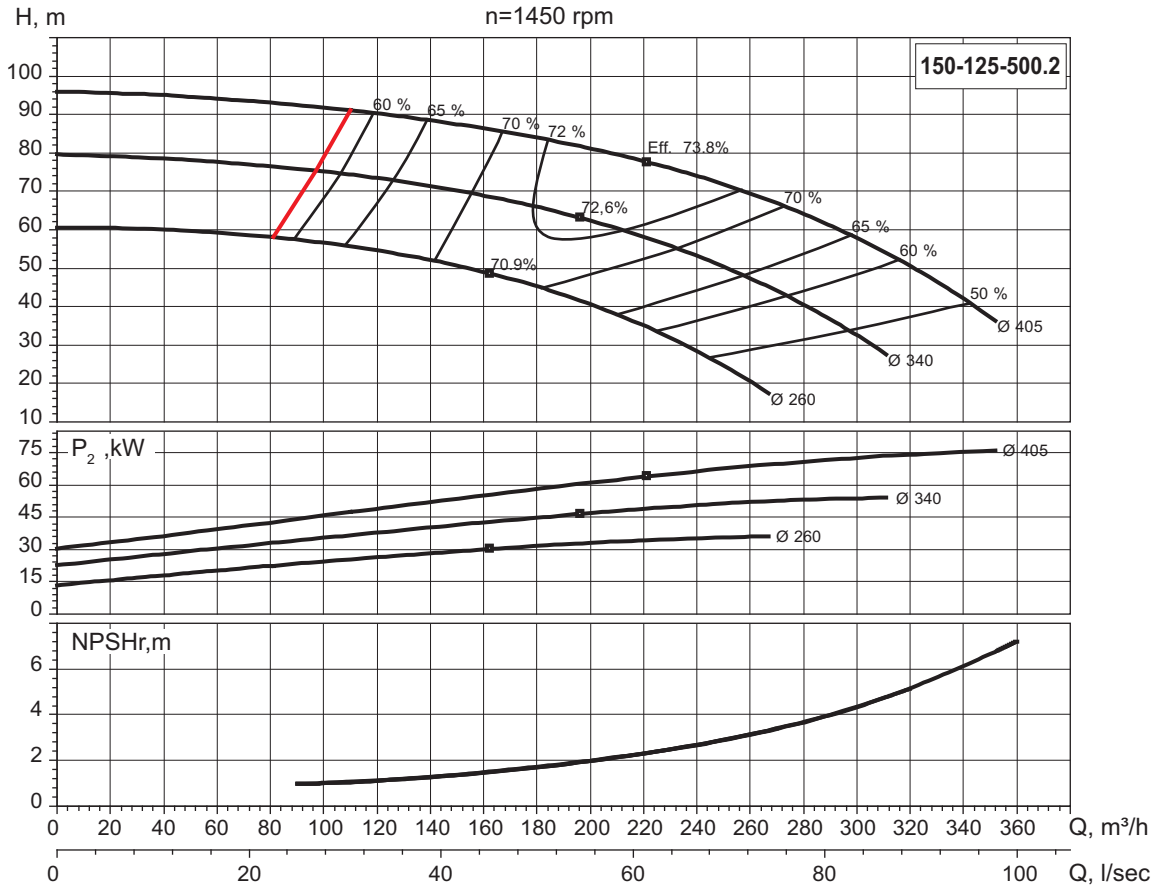


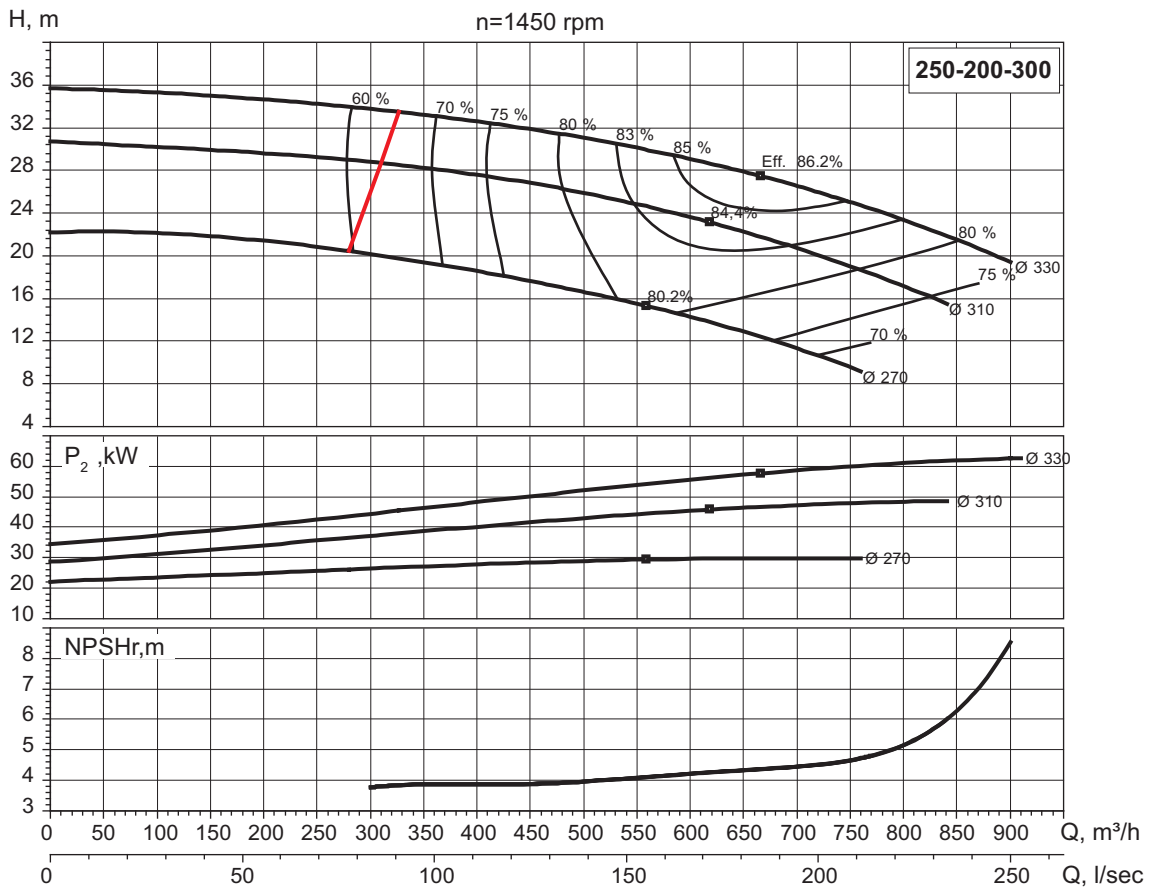
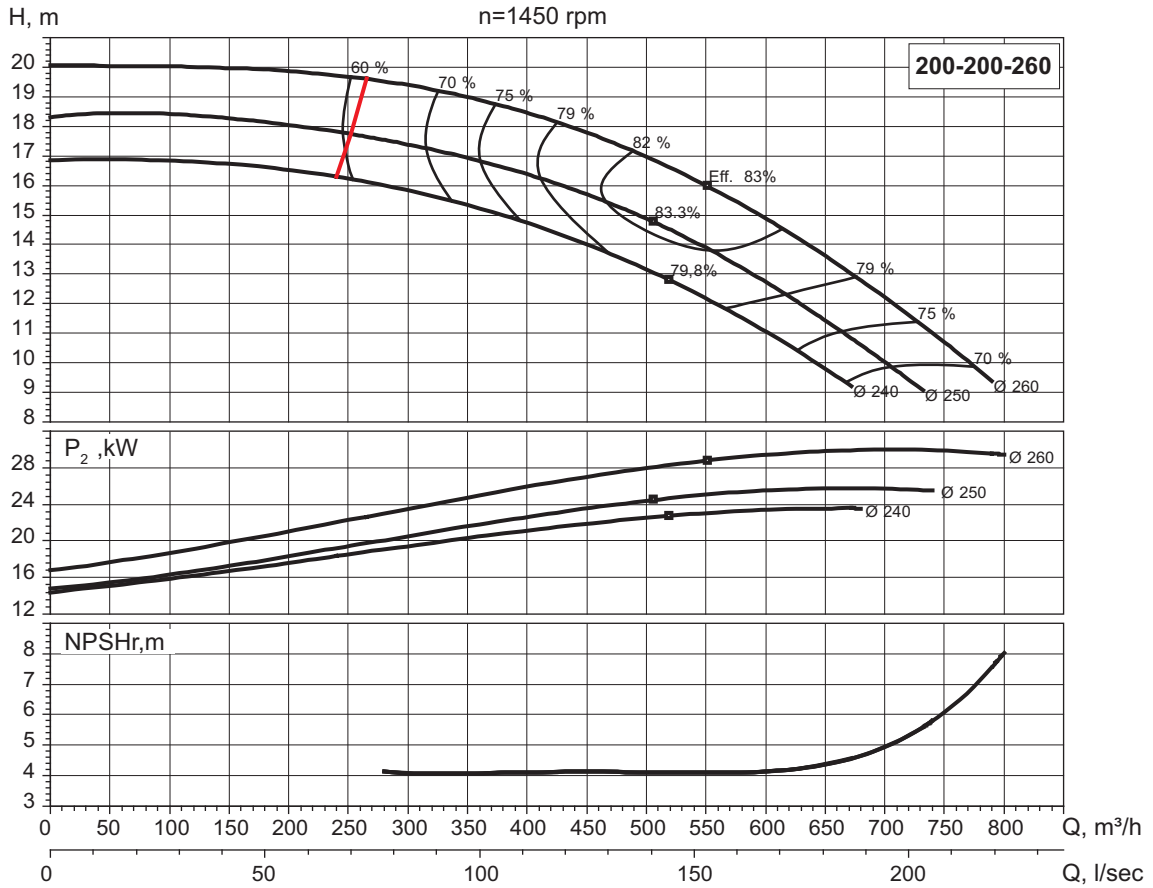


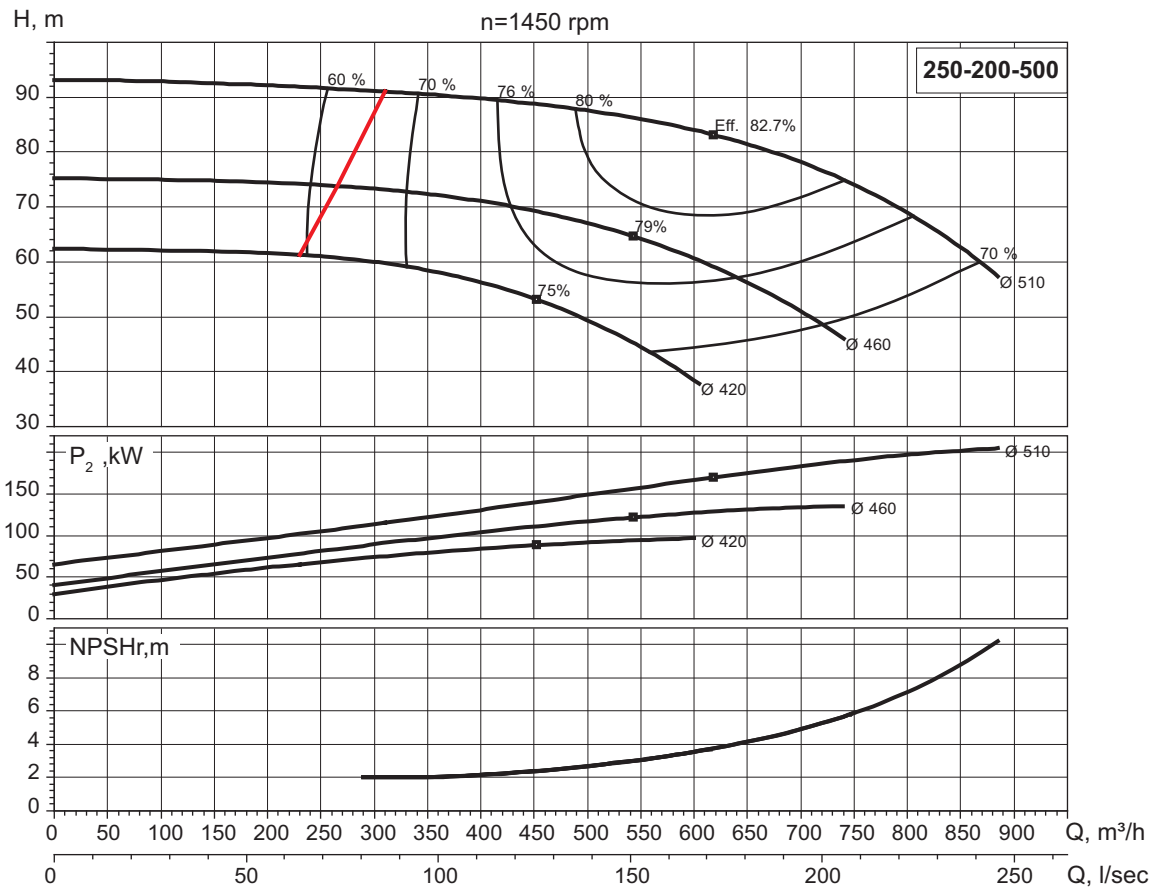
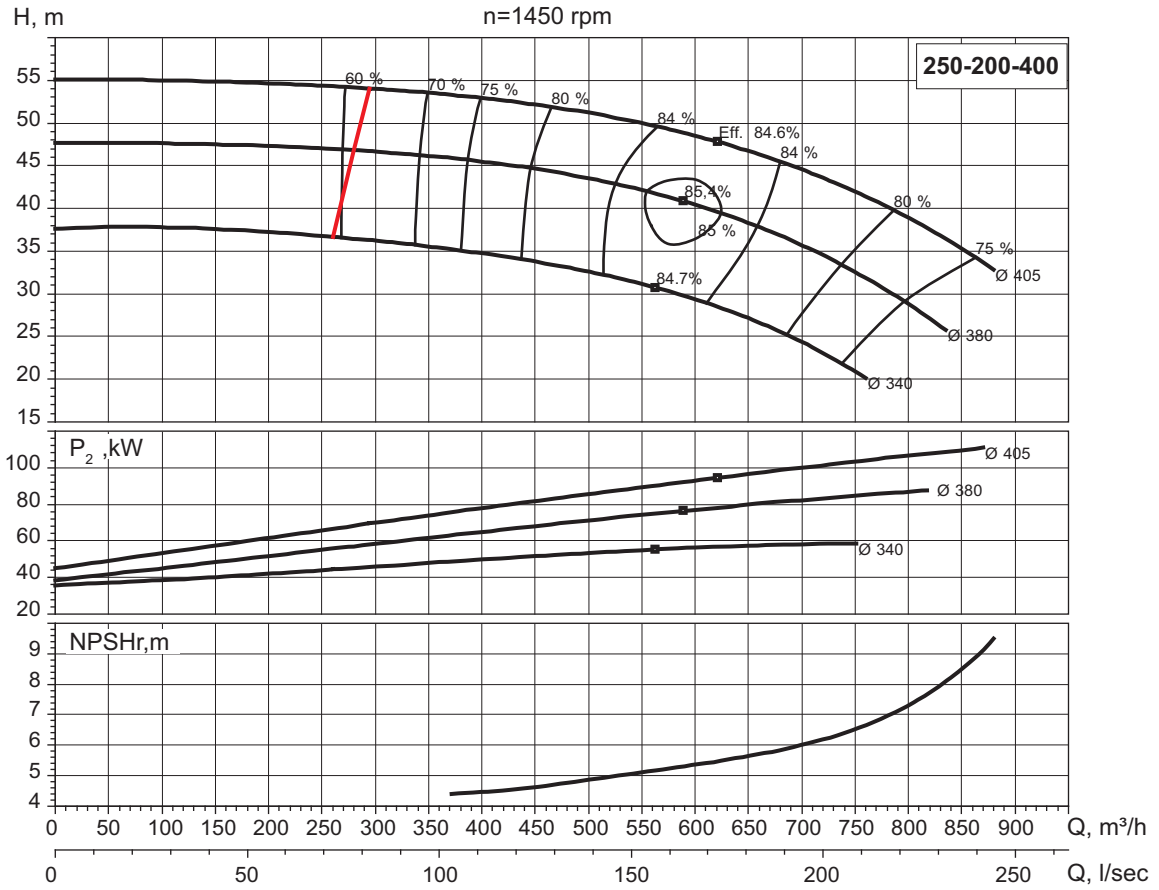


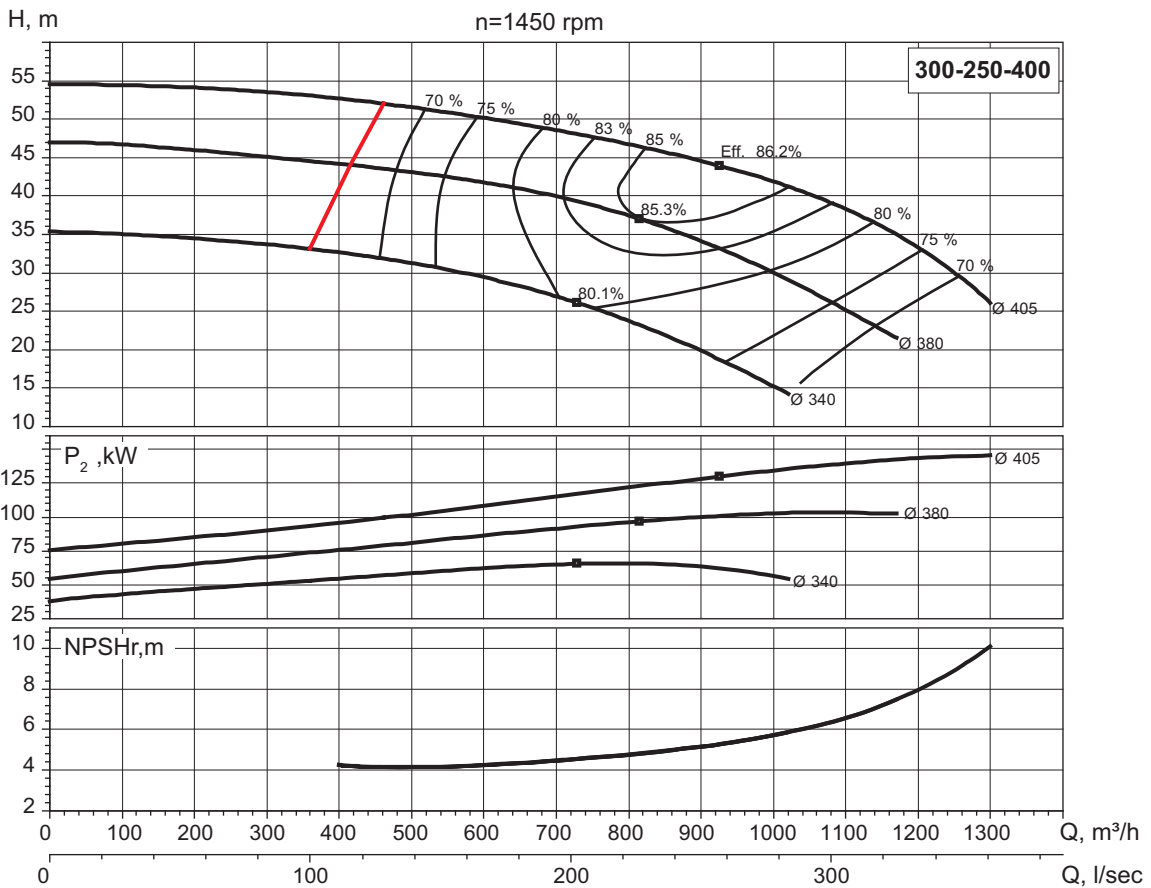
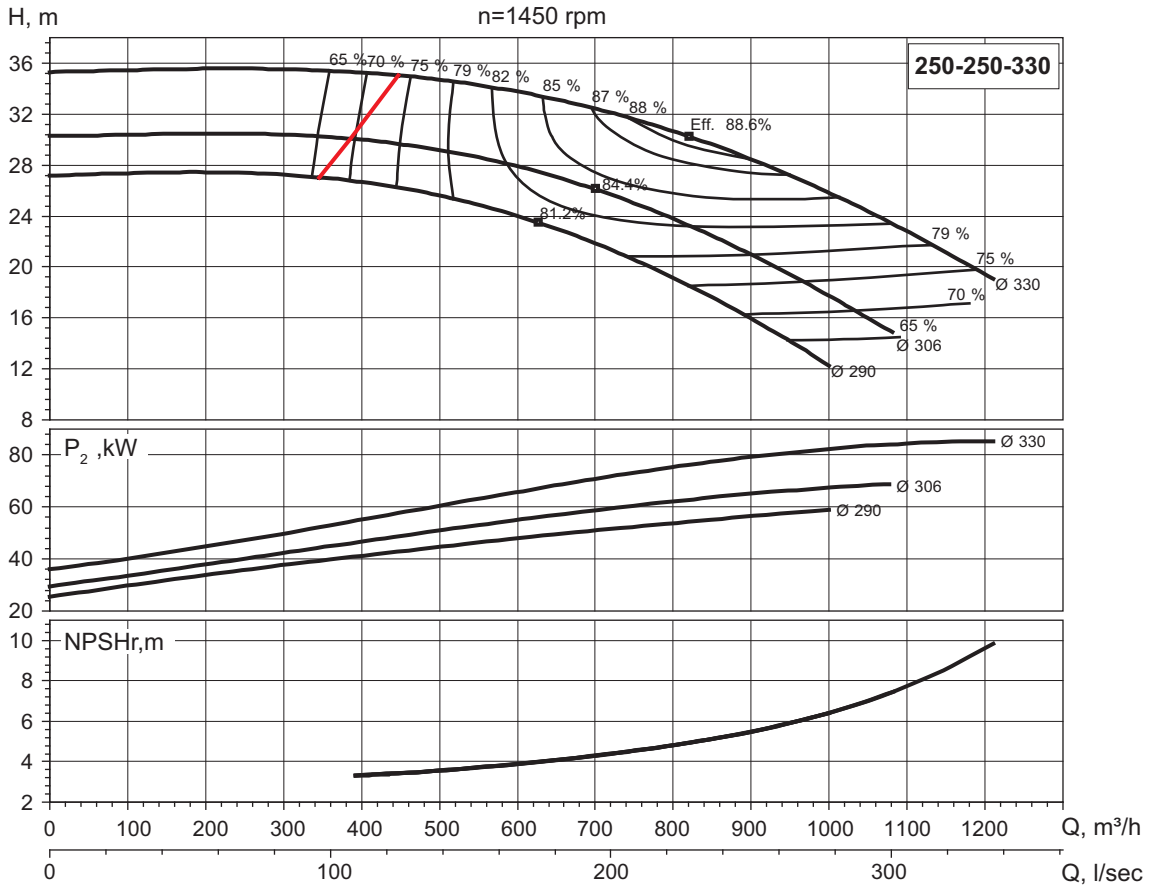


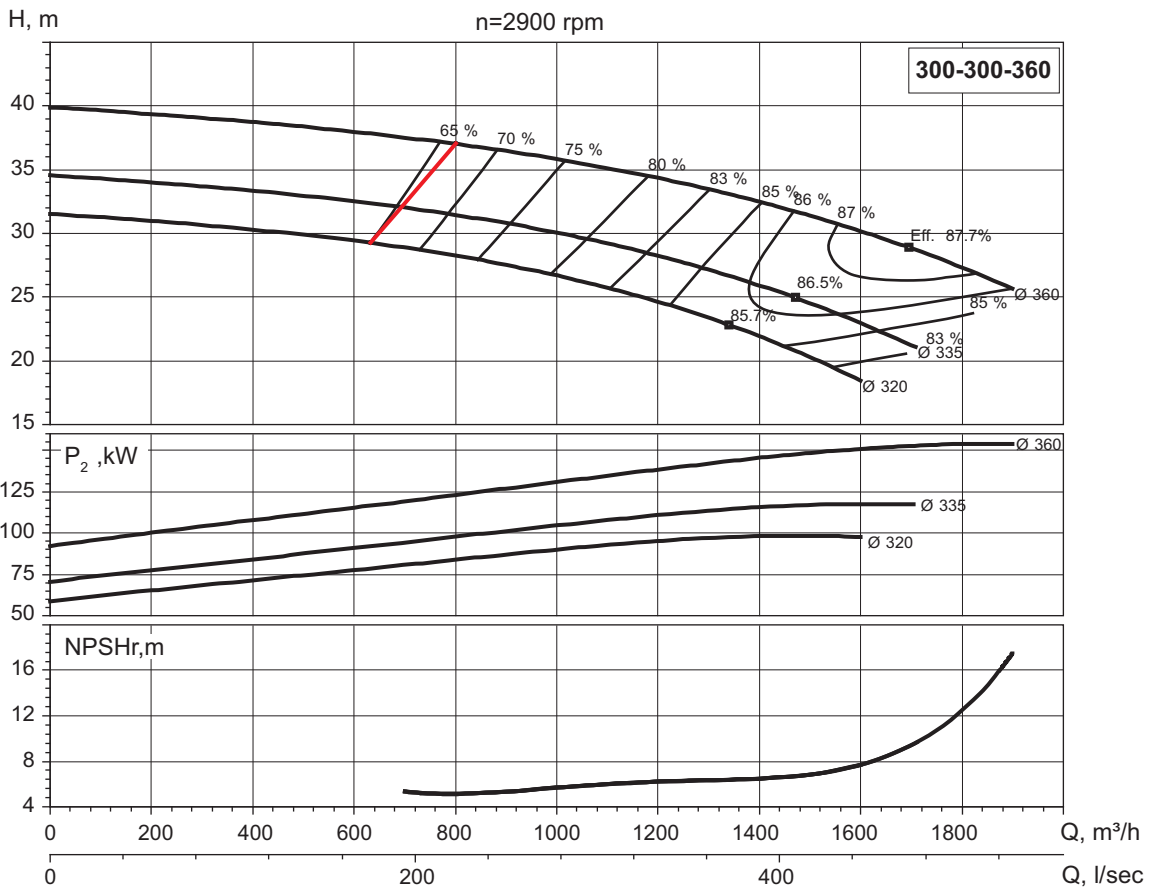
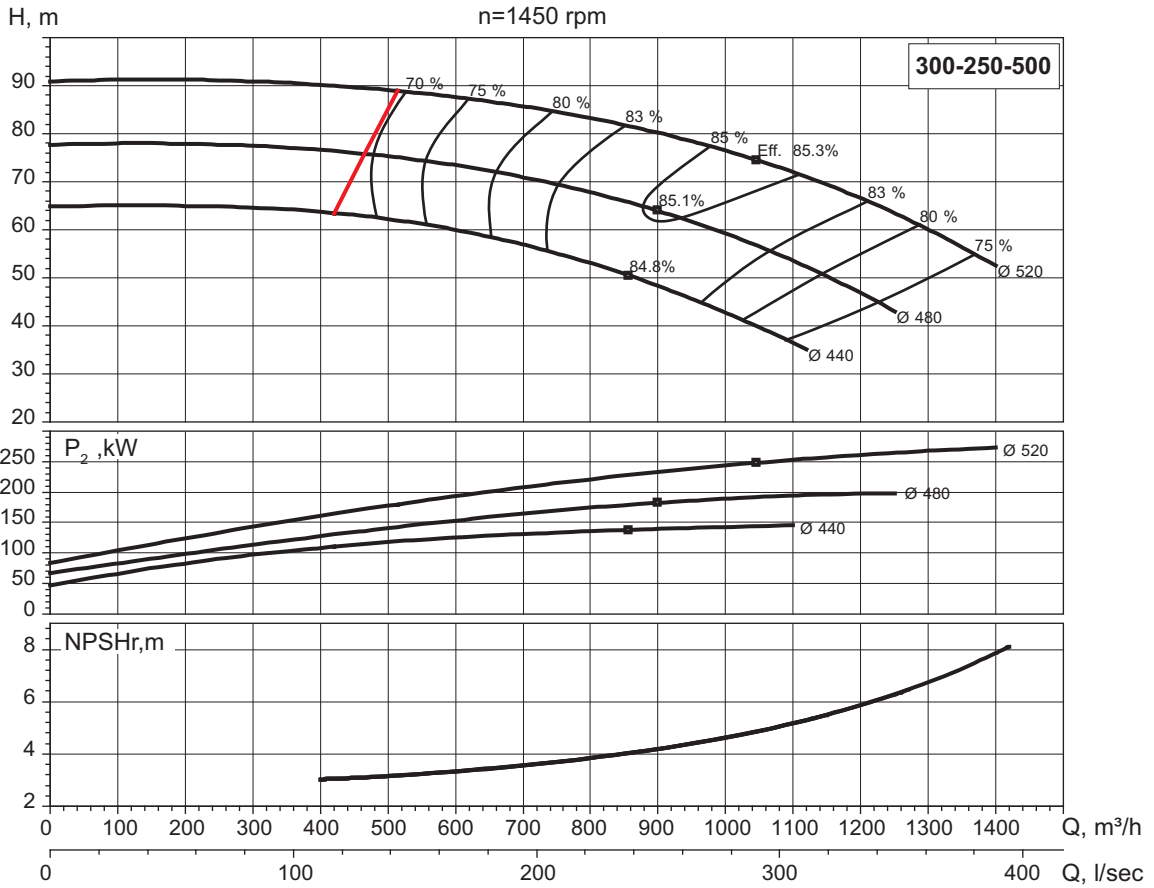


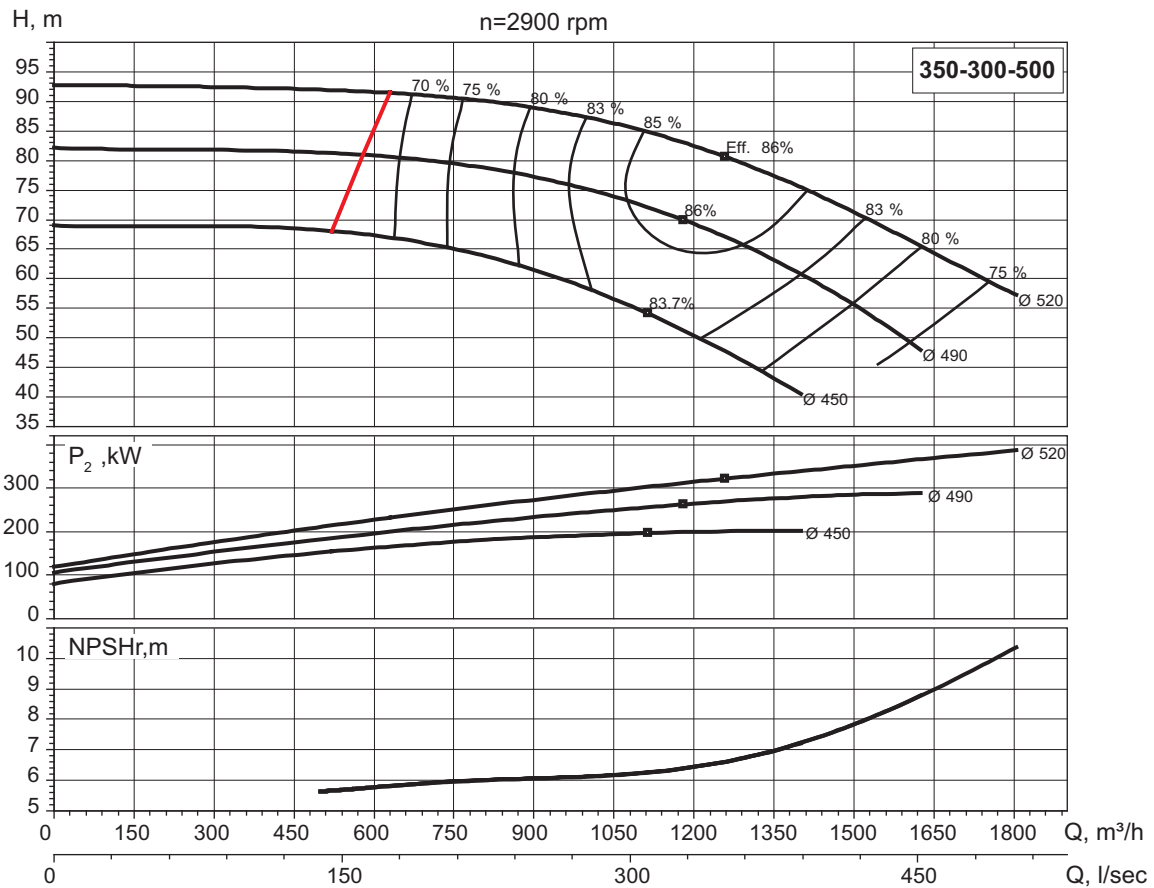
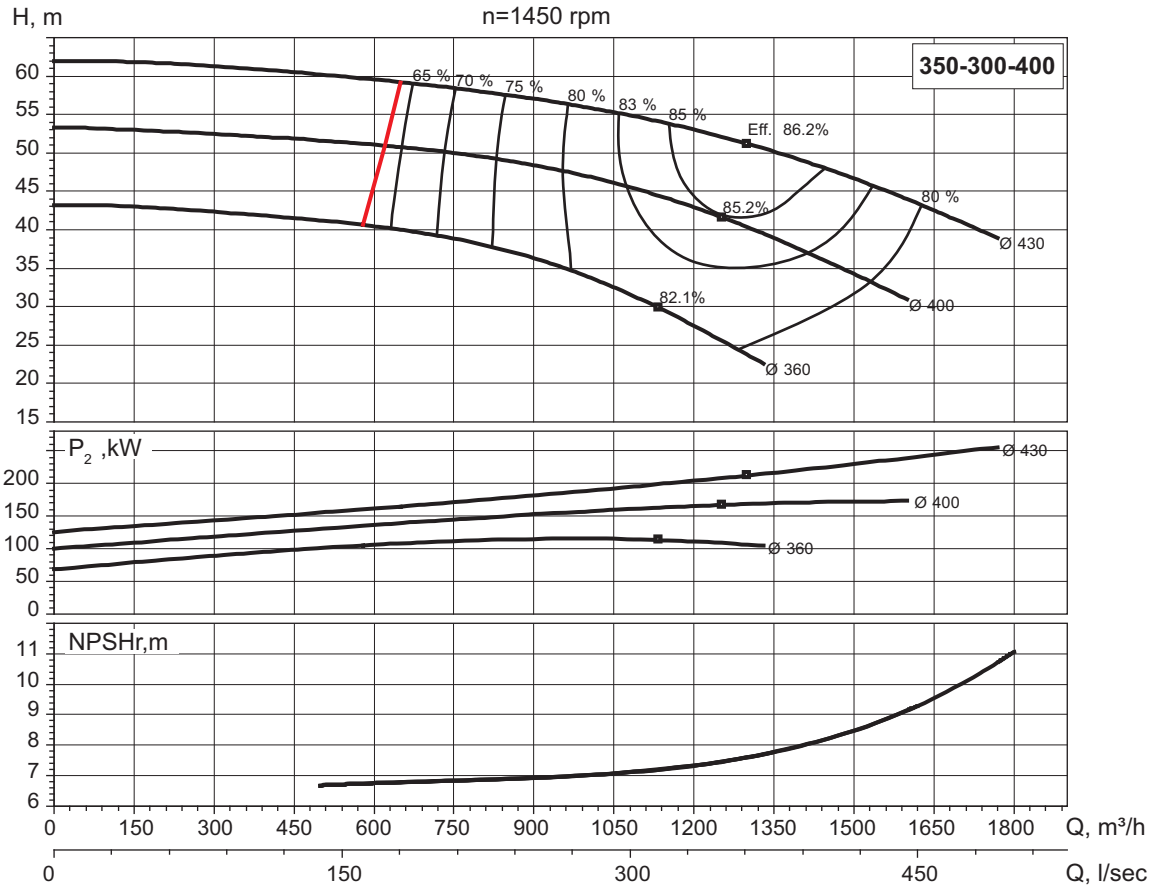




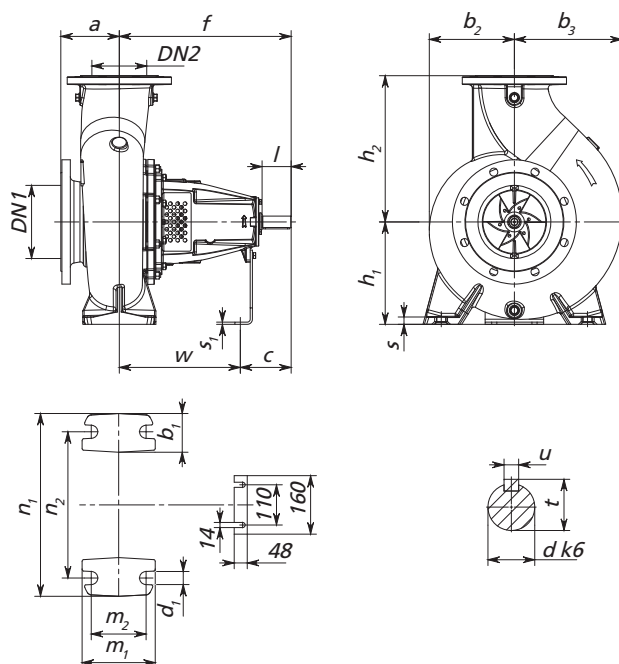






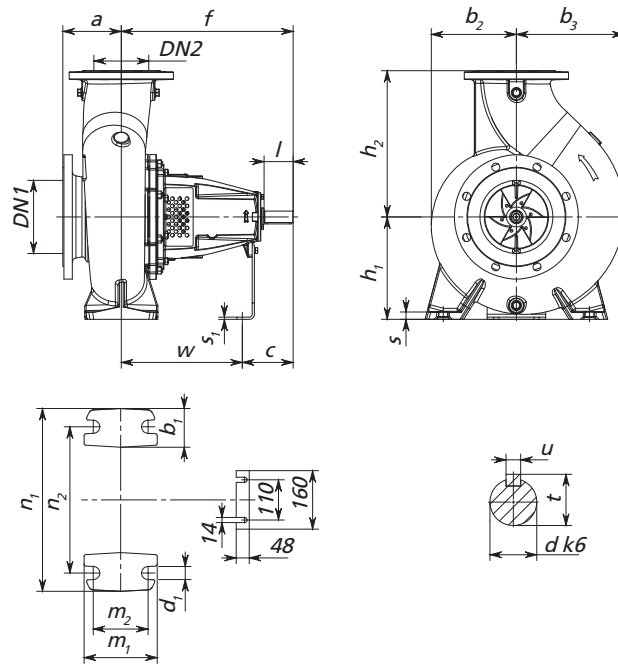


OVERALL DIMENSIONS



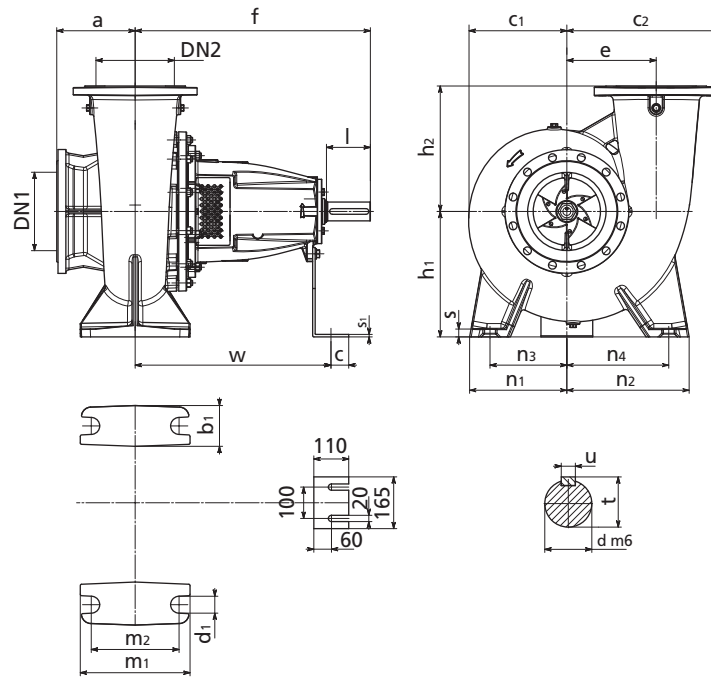
Pump	Dimensions, mm																							Weight, kg
	DN1	DN2	a	b ₁	b ₂	b ₃	c	d k6	d ₁	f	h ₁	h ₂	l	m ₁	m ₂	n ₁	n ₂	s	s ₁	t	u	w		
50-32-125.1	50	32	80	50	118	118	100	24	14	360	112	140	50	100	70	190	140	15	4	27	8	260	30	
50-32-160.1	50	32	80	50	118	125	100	24	14	360	132	160	50	100	70	240	190	15	4	27	8	260	31	
50-32-200.1	50	32	80	50	130	140	100	24	14	360	160	180	50	100	70	240	190	18	6	27	8	260	41	
50-32-250.1	50	32	100	65	165	170	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	50	
50-32-125	50	32	80	50	118	118	100	24	14	360	112	140	50	100	70	190	140	15	4	27	8	260	30	
50-32-160	50	32	80	50	118	125	100	24	14	360	132	160	50	100	70	240	190	15	4	27	8	260	31	
50-32-200	50	32	80	50	135	140	100	24	14	360	160	180	50	100	70	240	190	18	6	27	8	260	41	
50-32-250	50	32	100	65	170	178	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	50	
65-40-125	65	40	80	50	118	118	100	24	14	360	112	140	50	100	70	210	160	15	4	27	8	260	33	
65-40-160	65	40	80	50	115	130	100	24	14	360	132	160	50	100	70	240	190	15	4	27	8	260	33	
65-40-200	65	40	100	50	115	130	100	24	14	360	160	180	50	100	70	265	212	18	6	27	8	260	43	
65-40-250	65	40	100	65	165	178	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	51	
65-40-315	65	40	125	65	195	205	130	32	14	470	225	250	80	125	95	345	280	18	6	35	10	340	85	
65-50-125	65	50	100	50	118	128	100	24	14	360	132	160	50	100	70	240	190	18	4	27	8	260	35	
65-50-160	65	50	100	50	128	150	100	24	14	360	160	180	50	100	70	265	212	18	6	27	8	260	37	
65-50-200	65	50	100	50	145	165	100	24	14	360	160	200	50	100	70	265	212	18	6	27	8	260	45	
65-50-250	65	50	100	65	168	185	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	52	
65-50-315	65	50	125	65	200	218	130	32	14	470	225	280	80	125	95	345	280	18	6	35	10	340	88	
80-65-125	80	65	100	65	120	150	100	24	14	360	160	180	50	125	95	280	212	18	6	27	8	260	43	
80-65-160	80	65	100	65	130	158	100	24	14	360	160	200	50	125	95	280	212	18	6	27	8	260	45	

PUMP OVERALL DIMENSIONS



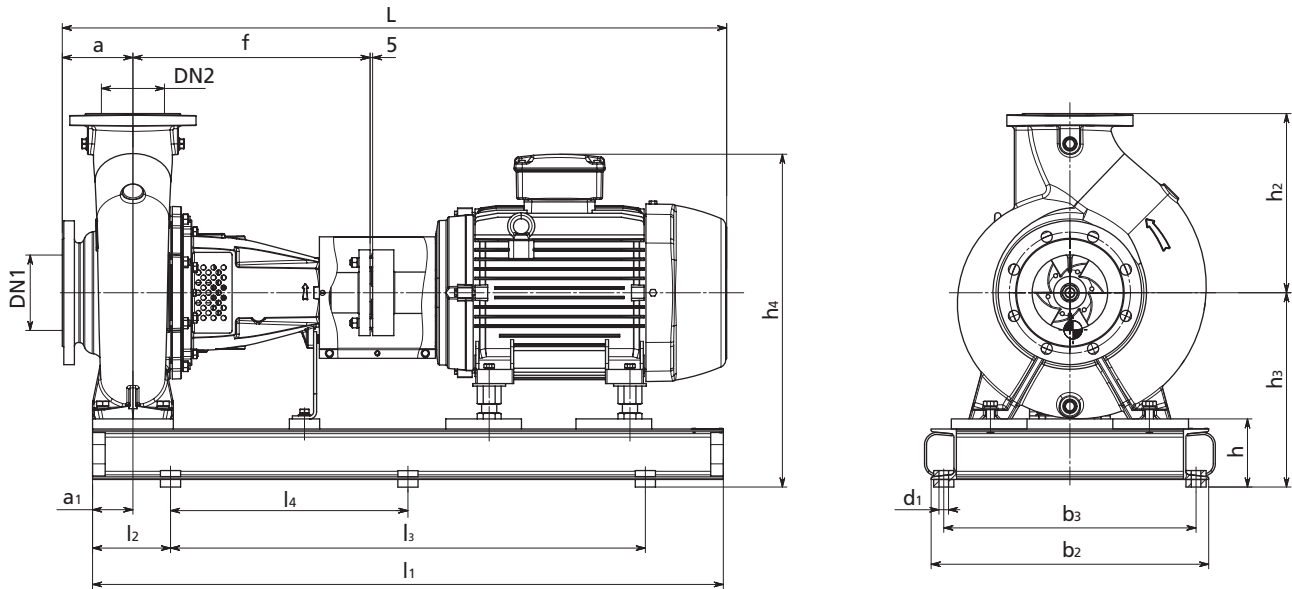
Pump	Dimensions, mm, MM																							Weight, kg
	DN1	DN2	a	b ₁	b ₂	b ₃	c	d k6	d ₁	f	h ₁	h ₂	l	m ₁	m ₂	n ₁	n ₂	s	s ₁	t	u	w		
80-65-200	80	65	100	65	155	180	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	51	
80-65-250	80	65	100	85	180	200	130	32	19	470	200	250	80	160	120	360	280	20	6	35	10	340	78	
80-65-315	80	65	125	85	210	230	130	32	19	470	225	280	80	160	120	400	315	20	6	35	10	340	94	
100-80-160	100	80	125	65	155	195	100	24	14	360	180	225	50	125	95	320	250	18	6	27	8	260	52	
100-80-200	100	80	125	65	160	190	130	32	14	470	180	250	80	125	95	345	280	18	6	35	10	340	71	
100-80-250	100	80	125	85	185	210	130	32	19	470	200	280	80	160	120	400	315	18	6	35	10	340	87	
100-80-315	100	80	125	85	220	245	130	32	19	470	250	315	80	160	120	400	315	20	6	35	10	340	99	
100-80-400	100	80	125	85	255	278	160	42	19	530	280	355	110	160	120	435	355	20	6	45	12	370	148	
125-100-160	125	100	125	85	178	225	130	32	19	470	200	280	80	160	120	360	280	18	6	35	10	340	92	
125-100-200	125	100	125	85	175	215	130	32	19	470	200	280	80	160	120	360	280	18	6	35	10	340	85	
125-100-250	125	100	140	85	190	220	130	32	19	470	225	280	80	160	120	400	315	18	6	35	10	340	98	
125-100-315	125	100	140	85	225	255	130	32	19	470	250	315	80	160	120	400	315	18	6	35	10	340	110	
125-100-400	125	100	140	105	255	280	160	42	24	530	280	355	110	200	150	500	400	20	6	45	12	370	163	
150-125-200	150	125	140	85	195	245	130	32	19	470	250	315	80	160	120	400	315	20	6	35	10	340	109	
150-125-250	150	125	140	85	228	275	130	32	19	470	250	355	80	160	120	400	315	20	6	35	10	340	121	
150-125-315	150	125	140	105	240	278	160	42	24	530	280	355	110	200	150	500	400	20	6	45	12	370	152	
150-125-400	150	125	140	105	275	308	160	42	24	530	315	400	110	200	150	500	400	20	6	45	12	370	175	
200-150-200	200	150	160	105	240	315	130	32	24	470	280	400	80	200	150	550	450	20	6	35	10	340	166	
200-150-250	200	150	160	105	230	300	130	32	24	470	280	400	80	200	150	500	400	20	6	35	10	340	162	
200-150-315	200	150	160	105	255	305	160	42	24	530	280	400	110	200	150	550	450	20	6	45	12	370	179	
200-150-400	200	150	160	105	285	325	160	42	24	530	315	450	110	200	150	550	450	20	6	45	12	370	204	

OVERALL DIMENSIONS. PUMPS WITH TANGENTIAL OUTLET



Pump	Dimensions, mm																											Weight, kg
	DN1	DN2	a	b ₁	c	c ₁	c ₂	d k6	d ₁	e	f	h ₁	h ₂	l	m ₁	m ₂	n ₁	n ₂	n ₃	n ₄	s	s ₁	t	u	w			
150-125-500.2	150	125	245	120	115	290	400	60	24	270	703	355	300	140	250	190	270	300	220	250	22	6	64	18	582	300		
200-150-500.1	200	150	150	100	115	300	470	60	28	315	715	400	360	140	300	230	240	260	190	210	25	6	64	18	600	370		
200-200-260	200	200	200	100	120	330	480	60	28	300	715	400	370	140	300	230	220	280	170	230	25	8	64	18	595	355		
250-200-330	250	200	200	100	120	360	485	60	28	315	715	400	390	140	300	230	220	280	170	230	25	8	64	18	595	390		
250-200-400	250	200	180	130	120	360	485	60	28	290	715	400	360	140	300	230	220	280	155	215	25	8	64	18	595	385		
250-200-500	250	200	200	130	115	410	560	60	28	387	715	500	500	140	350	280	320	380	255	315	25	20	64	18	600	560		
250-250-330	250	250	250	130	120	400	550	60	34	345	715	450	445	140	350	280	310	390	245	325	25	10	64	18	595	458		
300-250-400	300	250	180	130	120	360	540	60	34	335	715	450	400	140	350	280	320	380	255	315	25	10	64	18	595	460		
300-250-500	300	250	225	130	115	420	630	60	34	425	715	500	515	140	400	325	360	440	295	375	32	20	64	18	600	635		
300-300-360	300	300	300	160	120	460	640	60	34	387	717	560	505	140	400	325	310	390	230	310	32	20	64	18	595	590		
350-300-400	350	300	300	160	120	460	650	60	34	425	715	560	540	140	400	325	350	450	270	370	32	20	64	18	595	705		
350-300-500	350	300	300	160	115	470	690	60	34	450	715	560	580	140	400	325	350	450	270	370	32	20	64	18	600	720		

OVERALL DIMENSIONS. KR TYPE UNITS



Pump	Electric motor			DN1	DN2	a	a1	b2	b3	d1	f	h	h2	h3	h4	L	l1	l2	l3	l4
	Power, kW	Type																		
	1,450 rpm	3,000 rpm																		
50-32-125.1	0.25	-	71A	50	32	800	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	0.37	-	71B			80	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	-	0.75	80A			80	100	300	240	19	360	100	140	212	329	715	710	30	650	-
	-	1.1	80B			80	100	300	240	19	360	100	140	212	329	735	710	30	650	-
	-	1.5	90S			80	100	300	240	19	360	100	140	212	332	739	710	30	650	-
	-	2.2	90L			80	100	300	240	19	360	100	140	212	332	764	800	30	740	-
50-32-125	0.25	-	71A	50	32	80	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	0.37	-	71B			80	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	-	1.5	90S			80	100	300	240	19	360	100	140	212	332	739	710	30	650	-
	-	2.2	90L			80	100	300	240	19	360	100	140	212	332	764	800	30	740	-
	-	3	100L			80	100	300	240	19	360	100	140	212	339	800	900	30	840	-
50-32-160.1	0.25	-	71A	50	32	80	100	300	240	19	360	100	160	232	349	685	710	30	650	-
	0.37	-	71B			80	100	300	240	19	360	100	160	232	349	685	710	30	650	-
	-	0.55	80A			80	100	300	240	19	360	100	160	232	349	715	710	30	650	-
	-	2.2	90L			80	100	300	240	19	360	100	160	232	352	764	800	30	740	-
	-	3	100L			80	100	300	240	19	360	100	160	232	359	822	900	30	840	-
	-	4	112M			80	100	300	240	19	360	100	160	232	347	864	900	30	840	-
50-32-160	0.25	-	71A	50	32	80	100	300	240	19	360	100	160	232	349	685	710	30	650	-
	0.37	-	71B			80	100	300	240	19	360	100	160	232	349	685	710	30	650	-
	-	0.55	80A			80	100	300	240	19	360	100	160	232	349	715	710	30	650	-
	-	2.2	90L			80	100	300	240	19	360	100	160	232	352	764	800	30	740	-
	-	3	100L			80	100	300	240	19	360	100	160	232	359	822	900	30	840	-
	-	4	112M			80	100	300	240	19	360	100	160	232	347	864	900	30	840	-

OVERALL DIMENSIONS. KR TYPE UNITS

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Pump	Electric motor			DN1	DN2	a	a1	b2	b3	d1	f	h	h2	h3	h4	L	l1	l2	l3	l4
	Power, kW		Type																	
	1,450 rpm	3,000 rpm																		
50-32-200.1	0.37	-	71B	50	32	80	100	300	240	19	360	100	180	260	377	685	710	30	650	-
	0.55	-	80A			80	100	300	240	19	360	100	180	260	377	715	710	30	650	-
	0.75	-	80B			80	100	300	240	19	360	100	180	260	377	735	710	30	650	-
	-	3	100L			80	100	300	240	19	360	100	180	260	387	822	900	30	840	-
	-	4	112M			80	100	300	240	19	360	100	180	260	375	864	900	30	840	-
	-	5.5	132S			80	100	300	240	19	360	100	180	260	433	928	900	30	840	-
50-32-200	0.55	-	80A	50	32	80	100	300	240	19	360	100	180	260	377	715	710	30	650	-
	0.75	-	80B			80	100	300	240	19	360	100	180	260	377	735	710	30	650	-
	1.1	-	90S			80	100	300	240	19	360	100	180	260	380	739	710	30	650	-
	-	4	112M			80	100	300	240	19	360	100	180	260	375	864	900	30	840	-
	-	5.5	132S			80	100	300	240	19	360	100	180	260	433	928	900	30	840	-
	-	7.5	132S			80	100	300	240	19	360	100	180	260	433	928	900	30	840	-
	-	11	160M			80	100	350	280	19	360	100	180	260	447	1011	1120	30	1060	-
50-32-250.1	0.75	-	80B	50	32	100	112	350	280	19	360	100	225	280	397	755	900	30	840	-
	1.1	-	90S			100	112	350	280	19	360	100	225	280	400	759	900	30	840	-
	1.5	-	90L			100	112	350	280	19	360	100	225	280	400	784	900	30	840	-
	-	5.5	132S			100	112	350	280	19	360	100	225	280	453	948	900	30	840	-
	-	7.5	132S			100	112	350	280	19	360	100	225	280	453	948	900	30	840	-
	-	11	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
	-	15	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
50-32-250	1.1	-	90S	50	32	100	112	350	280	19	360	100	225	280	400	759	900	30	840	-
	1.5	-	90L			100	112	350	280	19	360	100	225	280	400	784	900	30	840	-
	2.2	-	100L			100	112	350	280	19	360	100	225	280	407	884	900	30	840	-
	-	7.5	132S			100	112	350	280	19	360	100	225	280	453	948	900	30	840	-
	-	11	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
	-	15	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
65-40-125	0.25	-	71A	65	40	80	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	0.37	-	71B			80	100	300	240	19	360	100	140	212	329	685	710	30	650	-
	0.55	-	80A			80	100	300	240	19	360	100	140	212	329	715	710	30	650	-
	-	2.2	90L			80	100	300	240	19	360	100	140	212	332	764	800	30	740	-
	-	3	100L			80	100	300	240	19	360	100	140	212	339	822	900	30	840	-
	-	4	112M			80	100	300	240	19	360	100	140	212	327	864	900	30	840	-
65-40-160	0.55	-	80A	65	40	80	100	300	240	19	360	100	160	232	349	715	710	30	650	-
	0.75	-	80B			80	100	300	240	19	360	100	160	232	349	735	710	30	650	-
	1.1	-	90S			80	100	300	240	19	360	100	160	232	352	739	710	30	650	-
	-	4	112M			80	100	300	240	19	360	100	160	232	347	864	900	30	840	-
	-	5.5	132S			80	100	300	240	19	360	100	160	232	405	928	900	30	840	-
	-	7.5	132S			80	100	300	240	19	360	100	160	232	405	928	900	30	840	-

OVERALL DIMENSIONS. KR TYPE UNITS

3/6

Pump	Electric motor			DN1	DN2	a	a1	b2	b3	d1	f	h	h2	h3	h4	L	l1	l2	l3	l4
	Power, kW		Type																	
	1,450 rpm	3,000 rpm																		
65-40-200	0.75	-	80B	65	40	100	100	300	240	19	360	100	180	260	377	755	710	30	650	-
	1.1		90S			100	100	300	240	19	360	100	180	260	380	759	710	30	650	-
	1.5		90L			100	100	300	240	19	360	100	180	260	380	784	800	30	740	-
	2.2		100L			100	100	300	240	19	360	100	180	260	387	884	900	30	840	-
	-	5.5	132S			100	100	300	240	19	360	100	180	260	433	948	900	30	840	-
		7.5	132S			100	100	300	240	19	360	100	180	260	433	948	900	30	840	-
		11	160M			100	100	350	280	19	360	100	180	260	447	1031	1120	30	1060	-
		15	160M			100	100	350	280	19	360	100	180	260	447	1031	1120	30	1060	-
65-40-250	1.1	-	90S	65	40	100	112	300	240	19	360	100	225	280	400	759	900	30	840	-
	1.5		90L			100	112	300	240	19	360	100	225	280	400	784	900	30	840	-
	2.2		100L			100	112	300	240	19	360	100	225	280	407	884	900	30	840	-
	3		100L			100	112	300	240	19	360	100	225	280	407	884	900	30	840	-
	-	11	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
		15	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
		18.5	160L			100	112	350	280	19	360	100	225	280	524	1134	1120	30	1060	-
		22	200L			100	112	400	320	19	360	110	225	290	534	1164	1250	30	1190	-
65-40-315	2.2	-	100L	65	40	125	112	350	280	19	470	100	250	325	452	1019	900	30	840	-
	3		100L			125	112	350	280	19	470	100	250	325	452	1019	900	30	840	-
	4		112M			125	112	350	280	19	470	100	250	325	440	1019	1000	30	940	-
	5.5		132S			125	112	350	280	19	470	100	250	325	498	1083	1000	30	940	-
	7.5		132M			125	112	350	280	19	470	100	250	325	498	1083	1000	30	940	-
65-50-125	0.55	-	80A	65	50	100	100	300	240	19	360	100	160	232	349	735	710	30	650	-
	0.75		80B			100	100	300	240	19	360	100	160	232	349	755	710	30	650	-
	1.1		90S			100	100	300	240	19	360	100	160	232	352	759	710	30	650	-
	-	3	100L			100	100	300	240	19	360	100	160	232	359	842	900	30	840	-
		4	112M			100	100	300	240	19	360	100	160	232	347	884	900	30	840	-
		5.5	132S			100	100	300	240	19	360	100	160	232	405	948	900	30	840	-
		7.5	132S			100	100	300	240	19	360	100	160	232	405	948	900	30	840	-
65-50-160	0.75	-	80B	65	50	100	100	300	240	19	360	100	180	260	380	784	800	30	740	-
	1.1		90S			100	100	300	240	19	360	100	180	260	380	759	710	30	650	-
	1.5		90L			100	100	300	240	19	360	100	180	260	380	784	800	30	740	-
	-	5.5	132S			100	100	300	240	19	360	100	180	260	433	948	900	30	840	-
		7.5	132S			100	100	300	240	19	360	100	180	260	433	948	900	30	840	-
		11	160M			100	100	350	280	19	360	100	180	260	447	1031	1120	30	1060	-
15	160M	100	100	350	280	19	360	100	180	260	447	1031	1120	30	1060	-				
65-50-200	1.5	-	90L	65	50	100	100	300	240	19	360	100	200	260	380	784	800	30	740	-
	2.2		100L			100	100	300	240	19	360	100	200	260	387	884	900	30	840	-
	3		100L			100	100	300	240	19	360	100	200	260	387	884	900	30	840	-
	-	11	160M			100	100	350	280	19	360	100	200	260	447	1031	1120	30	1060	-
		15	160M			100	100	350	280	19	360	100	200	260	447	1031	1120	30	1060	-
		18.5	160L			100	100	350	280	19	360	100	200	260	504	1134	1120	30	1060	-
		22	200L			100	100	400	320	19	360	130	200	290	534	1164	1250	30	1190	-

OVERALL DIMENSIONS. KR TYPE UNITS

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Pump	Electric motor			DN1	DN2	a	a1	b2	b3	d1	f	h	h2	h3	h4	L	l1	l2	l3	l4
	Power, kW		Type																	
	1,450 rpm	3,000 rpm																		
65-50-250	2.2	-	100L	65	50	100	112	350	280	19	360	100	225	280	407	884	900	30	840	-
	3	-	100L			100	112	350	280	19	360	100	225	280	407	884	900	30	840	-
	4	-	112M			100	112	350	280	19	360	100	225	280	395	884	900	30	840	-
	-	18.5	160L			100	112	350	280	19	360	100	225	280	524	1134	1120	30	1060	-
		22	200L			100	112	400	320	19	360	110	225	290	534	1164	1250	30	1190	-
		30	200L			100	112	400	320	19	360	130	225	310	570	1134	1250	30	1190	-
65-50-315	5.5	-	132S	65	50	125	112	350	280	19	470	100	280	325	498	1083	1000	30	940	-
	7.5	-	132M			125	112	350	280	19	470	100	280	325	498	1083	1120	30	1060	-
	11	-	160M			125	112	350	280	19	470	100	280	325	512	1166	1120	30	1060	-
80-65-125	0.55	-	80A	80	65	100	112	300	240	19	360	100	180	260	377	735	710	30	650	-
	0.75	-	80B			100	112	300	240	19	360	100	180	260	377	755	710	30	650	-
	1.1	-	90S			100	112	300	240	19	360	100	180	260	380	759	710	30	650	-
	-	4	112M			100	112	300	240	19	360	100	180	260	375	884	900	30	840	-
		5.5	132S			100	112	300	240	19	360	100	180	260	433	948	900	30	840	-
		7.5	132S			100	112	300	240	19	360	100	180	260	433	948	900	30	840	-
		11	160M			100	112	350	280	19	360	100	180	260	447	1031	1120	30	1060	-
80-65-160	0.75	-	80B	80	65	100	112	300	240	19	360	100	200	260	377	755	710	30	650	-
	1.1	-	90S			100	112	300	240	19	360	100	200	260	380	759	710	30	650	-
	1.5	-	90L			100	112	300	240	19	360	100	200	260	380	784	800	30	740	-
	2.2	-	100L			100	112	300	240	19	360	100	200	260	387	884	900	30	840	-
	-	5.5	132S			100	112	300	240	19	360	100	200	260	433	948	900	30	840	-
		7.5	132S			100	112	300	240	19	360	100	200	260	433	948	900	30	840	-
		11	160M			100	112	350	280	19	360	100	200	260	447	1031	1120	30	1060	-
		15	160M			100	112	350	280	19	360	100	200	260	447	1031	1120	30	1060	-
			160M			100	112	350	280	19	360	100	200	260	447	1031	1120	30	1060	-
80-65-200	1.5	-	90L	80	65	100	112	350	280	19	360	100	225	280	400	784	900	30	840	-
	2.2	-	100L			100	112	350	280	19	360	100	225	280	407	884	900	30	840	-
	3	-	100L			100	112	350	280	19	360	100	225	280	407	884	900	30	840	-
	4	-	112M			100	112	350	280	19	360	100	225	280	395	884	900	30	840	-
	-	11	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
		15	160M			100	112	350	280	19	360	100	225	280	467	1031	1120	30	1060	-
		18.5	160L			100	112	350	280	19	360	100	225	280	524	1134	1120	30	1060	-
		22	200L			100	112	400	320	19	360	110	225	290	534	1164	1250	30	1190	-
		30	200L			100	112	400	320	19	360	130	225	310	570	1134	1250	30	1190	-
80-65-250	3	-	100L	80	65	100	130	350	280	19	470	80	250	280	407	994	1000	30	940	-
	4	-	112M			100	130	350	280	19	470	80	250	280	395	994	1000	30	940	-
	5.5	-	132S			100	130	350	280	19	470	80	250	280	453	1058	1000	30	940	-
	7.5	-	132M			100	130	350	280	19	470	80	250	280	474	1072	1000	30	940	-
80-65-315	5.5	-	132S	80	65	125	130	400	320	19	470	110	280	335	508	1083	1000	30	940	-
	7.5	-	132M			125	130	400	320	19	470	110	280	335	529	1097	1000	30	940	-
	11	-	160M			125	130	400	320	19	470	110	280	335	522	1166	1250	30	1190	-
	15	-	160L			125	130	400	320	19	470	110	280	335	715	1679	1250	30	1190	-

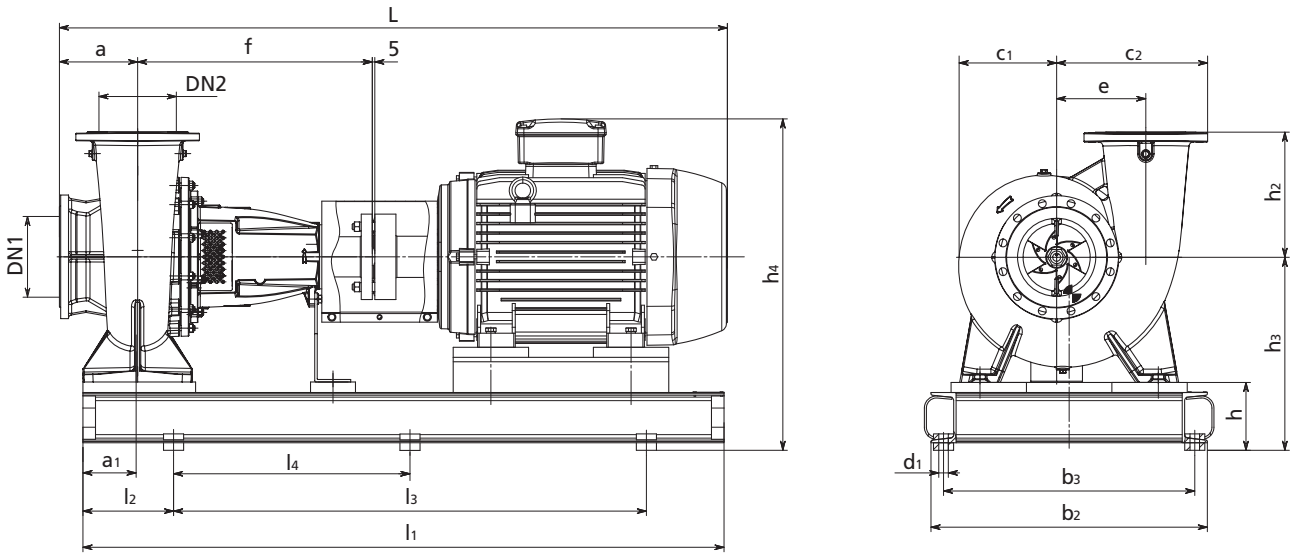
OVERALL DIMENSIONS. KR TYPE UNITS

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Pump	Electric motor			DN1	DN2	a	a1	b2	b3	d1	f	h	h2	h3	h4	L	l1	l2	l3	l4
	Power, kW		Type																	
	1,450 rpm	3,000 rpm																		
100-80-160	1.5	-	90L	100	80	125	112	350	280	19	360	100	225	280	400	809	900	30	840	-
	2.2	-	100L			125	112	350	280	19	360	100	225	280	407	909	900	30	840	-
	3	-	100L			125	112	350	280	19	360	100	225	280	407	909	900	30	840	-
	4	-	112M			125	112	350	280	19	360	100	225	280	395	909	900	30	840	-
	-	15	160M			125	112	350	280	19	360	110	225	280	467	1056	1120	30	1060	-
	-	18.5	160L			125	112	350	280	19	360	110	225	280	524	1159	1250	30	1060	-
	-	22	200L			125	112	400	320	19	360	110	225	290	534	1189	1250	30	1190	-
	-	30	200L			125	112	400	320	19	360	130	225	310	570	1159	1250	30	1190	-
100-80-200	3	-	100L	100	80	125	130	350	280	19	470	100	250	280	407	1019	1000	30	940	-
	4	-	112M			125	130	350	280	19	470	100	250	280	395	1019	1000	30	940	-
	5.5	-	132S			125	130	350	280	19	470	100	250	280	453	1083	1000	30	940	-
	-	30	200L			125	130	400	320	19	470	130	250	310	570	1269	1250	30	1190	-
	-	37	200L			125	130	400	320	19	470	130	250	310	605	1380	1250	30	1190	-
	-	45	225M			125	130	590	550	23	470	185	250	365	660	1380	1400	230	940	470
100-80-250	5.5	-	132S	100	80	125	130	400	320	19	470	110	280	310	483	1083	1000	30	940	-
	7.5	-	132M			125	130	400	320	19	470	110	280	310	504	1097	1000	30	940	-
	11	-	160M			125	130	400	320	19	470	110	280	310	497	1166	1250	30	1190	-
	-	37	220L			125	130	400	320	19	470	110	280	310	605	1380	1250	30	1190	-
	-	45	225M			125	130	590	550	23	470	165	280	365	660	1380	1400	230	940	470
	-	55	250M			125	130	650	600	23	470	190	280	390	705	1485	1600	270	1060	530
	-	75	280S			125	130	720	670	23	470	220	280	420	800	1564	1600	270	1060	530
100-80-315	11	-	160M	100	80	125	130	400	320	19	470	110	315	360	547	1166	1250	30	1190	-
	15	-	160L			125	130	400	320	19	470	110	315	360	604	1269	1250	30	1190	-
	18.5	-	180M			125	130	400	320	19	470	110	315	360	604	1299	1250	30	1190	-
	22	-	180L			125	130	400	320	19	470	110	315	360	604	1299	1250	30	1190	-
100-80-400	15	-	160L	100	80	125	112	590	550	23	530	140	355	420	664	1329	1400	230	940	470
	18.5	-	180M			125	112	590	550	23	530	140	355	420	664	1359	1400	230	940	470
	22	-	180L			125	112	590	550	23	530	140	355	420	664	1359	1400	230	940	470
	30	-	200L			125	112	590	550	23	530	140	355	420	680	1329	1400	230	940	470
	37	-	225S			125	112	590	550	23	530	140	355	420	715	1470	1400	230	940	470
125-100-160	3	-	100L	125	100	125	130	400	320	19	470	110	280	310	437	1019	1000	30	940	-
	4	-	112M			125	130	400	320	19	470	110	280	310	425	1019	1000	30	940	-
	5.5	-	132S			125	130	400	320	19	470	110	280	310	483	1083	1000	30	940	-
	-	22	180M			125	130	400	320	19	470	110	280	310	554	1299	1250	30	1190	-
	-	30	200L			125	130	400	320	19	470	110	280	310	570	1265	1250	30	1190	-
	-	37	200L			125	130	400	320	19	470	110	280	310	605	1380	1250	30	1190	-
125-100-200	4	-	112M	125	100	125	130	400	320	19	470	110	280	310	425	1019	1000	30	940	-
	5.5	-	132S			125	130	400	320	19	470	110	280	310	483	1083	1000	30	940	-
	7.5	-	132M			125	130	400	320	19	470	110	280	310	504	1097	1000	30	940	-
	-	30	200L			125	130	400	320	19	470	110	280	310	570	1269	1250	30	1190	-
	-	37	200L			125	130	400	320	19	470	110	280	310	605	1380	1250	30	1190	-
	-	45	225M			125	130	590	550	23	470	165	280	365	660	1380	1400	230	940	470
	-	55	250M			125	130	650	600	23	470	190	280	390	705	1485	1600	270	1060	530
	-	75	280S			125	130	720	670	23	470	220	280	420	800	1564	1600	270	1060	530

OVERALL DIMENSIONS. KR TYPE UNITS (PUMPS WITH TANGECIAL OUTLET)

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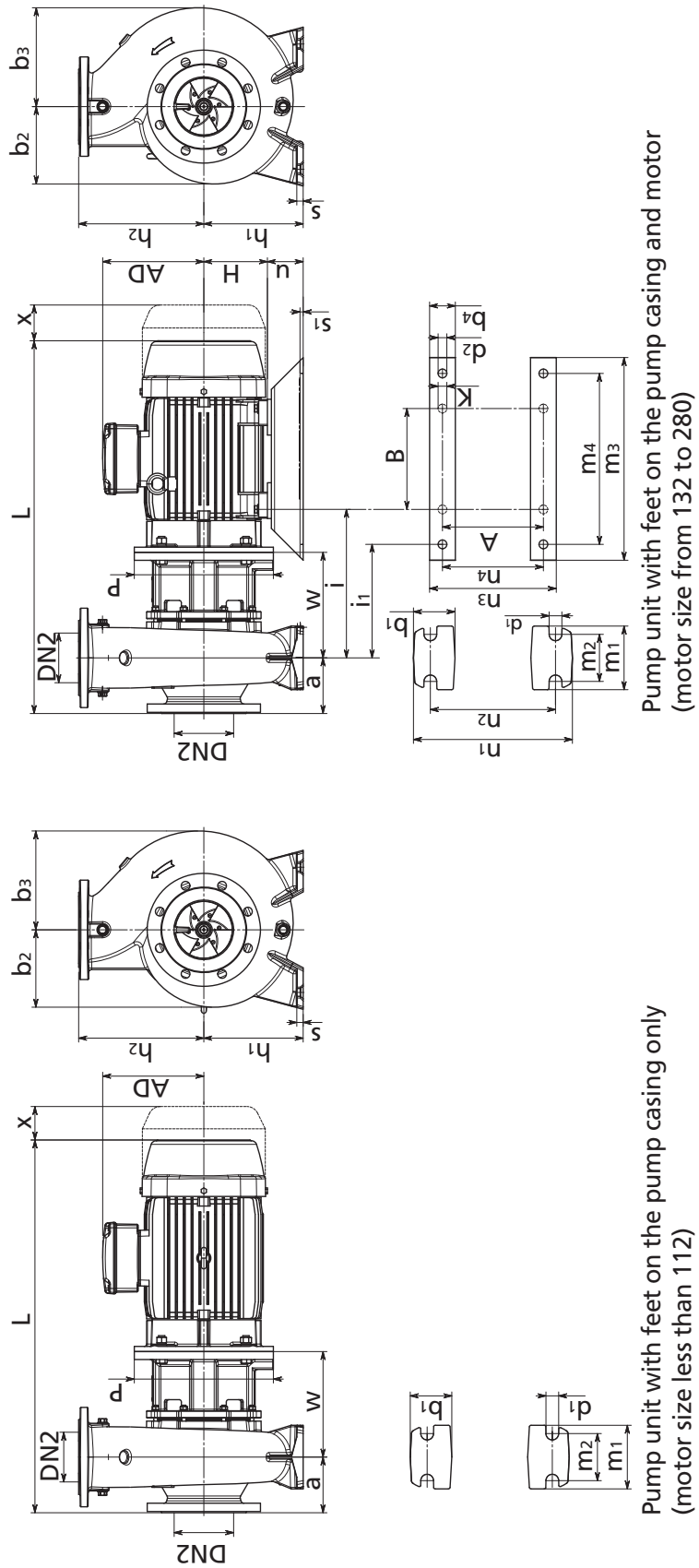


Pump	Elect. motor		DN1 - DN2	a	a1	b2	b3	c1	c2	d	d1	e	f	h	h2	h3	h4	L	l1	l2	l3	l4
	1,450 rpm	P, kW																				
150-125-500.2	225S	37	150 - 125	245	145	760	710	290	400	60	24	270	703	170	300	525	820	1764	1695	273	1150	-
	225M	45		245	145	760	710	290	400	60	24	270	703	170	300	525	820	1764	1695	273	1150	-
	250M	55		245	145	760	710	290	400	60	24	270	703	170	300	525	840	1839	1695	273	1150	-
	280S	75		245	145	760	710	290	400	60	24	270	703	170	300	525	905	1918	1780	265	1250	-
	280M	90		245	145	760	710	290	400	60	24	270	703	170	300	525	905	1918	1780	265	1250	-
200-150-500.1	280S	75	200 - 150	150	170	650	605	300	470	60	24	315	715	150	450	550	930	1835	1780	265	1250	-
	280M	90		150	170	760	710	300	470	60	24	315	715	150	450	570	950	1835	1880	290	1300	-
	315S	110		150	170	760	710	300	470	60	24	315	715	170	450	570	950	1980	1880	290	1300	-
	315M	132		150	170	860	810	300	470	60	24	315	715	190	450	590	970	2050	2040	295	1450	-
	315L	160		150	170	860	810	300	470	60	24	315	715	190	450	590	1090	2160	2040	295	1450	-
200-200-260	180L	22	200 - 200	200	170	570	525	330	480	60	24	300	715	150	350	550	794	1620	1695	273	1150	-
	200L	30		200	170	570	525	330	480	60	24	300	715	150	350	550	810	1590	1695	273	1150	-
250-200-330	200L	30	250 - 200	200	170	570	525	360	485	60	24	315	715	150	400	550	810	1590	1695	273	1150	-
	225S	37		200	170	570	525	360	485	60	24	315	715	150	400	550	845	1731	1695	273	1150	-
	225M	45		200	170	570	525	360	485	60	24	315	715	150	400	550	845	1731	1695	273	1150	-
	250M	55		200	170	650	605	360	485	60	24	315	715	150	400	550	845	1806	1780	265	1250	-
	280S	75		200	170	650	605	360	485	60	24	315	715	150	400	550	845	1806	1780	265	1250	-

OVERALL DIMENSIONS. KR TYPE UNITS (PUMPS WITH TANGECIAL OUTLET)

Pumps	Elect. motor		DN1 - DN2	a	a1	b2	b3	c1	c2	d	d1	e	f	h	h2	h3	h4	L	l1	l2	l3	l4
	1,450 rpm	P, kW																				
250-200-400	280S	75	250 - 200	180	170	650	605	360	485	60	24	290	715	150	400	550	930	1865	1780	265	1250	-
	280M	90		180	170	760	710	360	485	60	24	290	715	170	400	570	950	1865	1880	290	1300	-
	315S	110		180	170	760	710	360	485	60	24	290	715	170	400	570	950	2010	1880	290	1300	-
	315M	132		180	170	860	810	360	485	60	24	290	715	190	400	590	970	2080	2040	295	1450	-
250-200-500	315S	110	250 - 200	200	195	860	810	410	560	60	24	387	715	190	450	690	1070	1702	2040	295	1450	-
	315M	132		200	195	860	810	410	560	60	24	387	715	190	450	690	1070	2100	2040	295	1450	-
	315L	160		200	195	860	810	410	560	60	24	387	715	190	450	690	1190	2210	2040	295	1450	-
	315L	200		200	195	860	810	410	560	60	24	387	715	190	450	690	1190	2210	2040	295	1450	-
	355SM	250		200	195	860	810	410	560	60	24	387	715	190	450	690	1275	2435	2230	290	1650	825
250-250-330	250M	55	250 - 250	200	195	760	710	400	550	60	24	345	715	170	400	620	935	1856	1780	290	1200	-
	280S	75		200	195	760	710	400	550	60	24	345	715	170	400	620	1000	1935	1880	290	1300	-
	280M	90		200	195	760	710	400	550	60	24	345	715	170	400	620	1000	1935	1880	290	1300	-
300-250-400	280S	75	300 - 250	180	195	760	710	360	540	60	24	335	715	170	480	620	1000	1865	1880	290	1300	-
	280M	90		180	195	760	710	360	540	60	24	335	715	170	480	620	1000	1865	1880	290	1300	-
	315S	110		180	195	860	810	360	540	60	24	335	715	190	480	640	1020	2010	2040	295	1450	-
	315M	132		180	195	860	810	360	540	60	24	335	715	190	480	640	1020	2080	2040	295	1450	-
	315L	160		180	195	860	810	360	540	60	24	335	715	190	480	640	1020	2080	2040	295	1450	-
300-250-500	315L	160	300 - 250	225	220	860	810	420	630	60	24	425	715	190	500	690	1190	2235	2040	295	1450	-
	315L	200		225	220	860	810	420	630	60	24	425	715	190	500	690	1190	2235	2040	295	1450	-
	355SM	250		225	220	860	810	420	630	60	24	425	715	190	500	690	1275	2460	2230	290	1650	825
	355SM	315		225	220	860	810	420	630	60	24	425	715	210	500	710	1295	2460	2230	290	1650	825
300-300-360	280M	90	300 - 300	300	220	760	710	460	640	60	24	387	717	170	450	730	1110	1987	1880	290	1300	-
	315S	110		300	220	860	810	460	640	60	24	387	717	190	450	750	1130	2132	2040	295	1450	-
	315M	132		300	220	860	810	460	640	60	24	387	717	190	450	750	1130	2202	2040	295	1450	-
350-300-400	315M	132	350 - 300	300	220	860	810	460	650	60	24	425	715	190	500	750	1130	2200	2040	295	1450	-
	315L	160		300	220	860	810	460	650	60	24	425	715	190	500	750	1250	2310	2040	295	1450	-
	315L	200		300	220	860	810	460	650	60	24	425	715	190	500	750	1250	2310	2040	295	1450	-
	355SM	250		300	220	860	810	460	650	60	24	425	715	210	500	770	1355	2535	2230	290	1650	825
	355SM	315		300	220	860	810	460	650	60	24	425	715	210	500	770	1355	2535	2370	285	1800	900
350-300-500	315L	200	350	300	220	860	810	470	690	60	24	450	715	190	500	750	1250	2310	2040	295	1450	-
	355SM	250		300	220	860	810	470	690	60	24	450	715	230	500	750	1335	2535	2230	290	1650	825
	355SM	315		300	220	860	810	470	690	60	24	450	715	210	500	770	1355	2535	2370	285	1800	900
	355SM	355		300	220	860	810	470	690	60	24	450	715	230	500	790	1375	2535	2450	250	1950	975
	355SM	400		300	220	860	810	470	690	60	24	450	715	230	500	790	1375	2680	2450	250	1950	975

OVERALL DIMENSIONS. KRM TYPE UNITS (1,500 rpm)



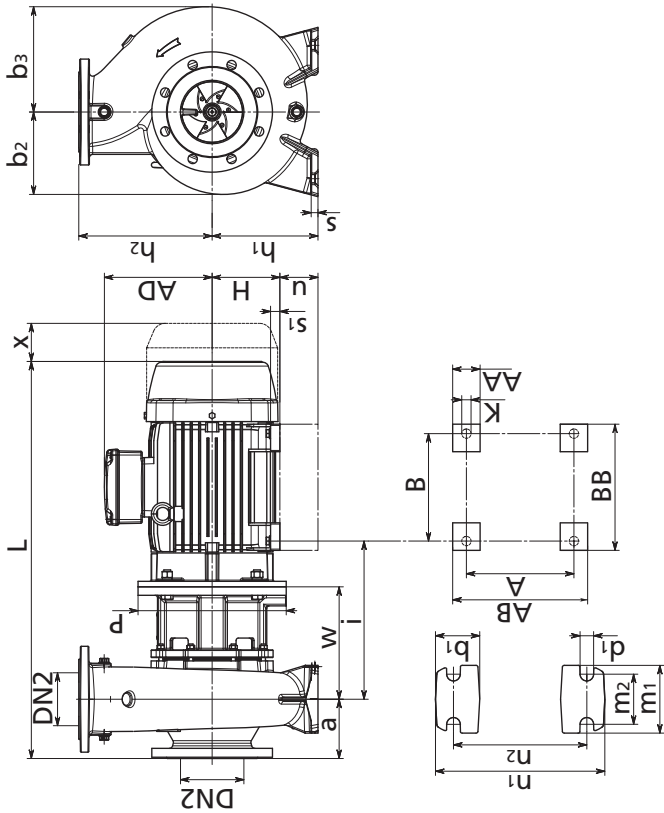
Pump unit with feet on the pump casing and motor
(motor size from 132 to 280)

Pump unit with feet on the pump casing only
(motor size less than 112)

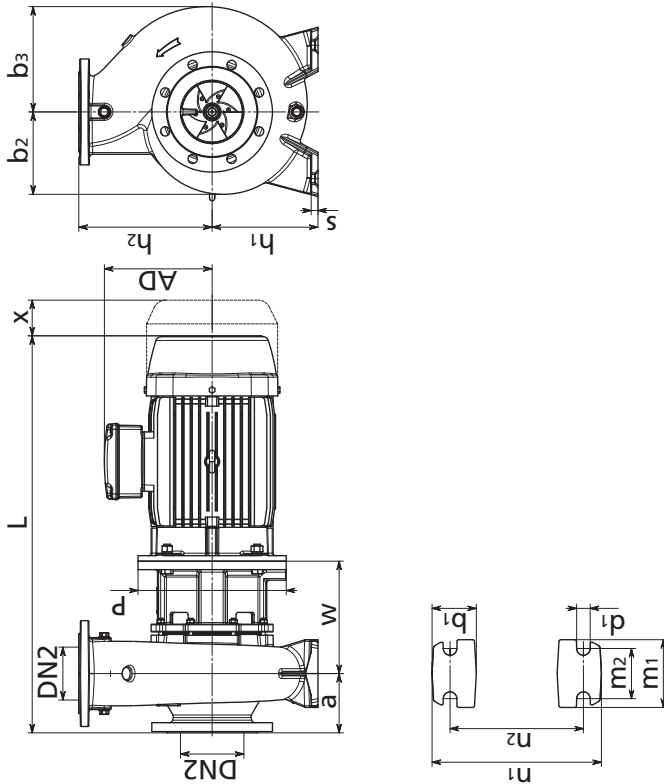
OVERALL DIMENSIONS. KRM TYPE UNITS (1,500 rpm)

Pump	Electric motor		DN1	DN2	a	A	AD	B	B1	B2	B3	B4	d1	d2	H	h1	h2	i	i1	K	L	m1	m2	m3	m4	n1	n2	n3	n4	P	S	s1	u	w	x	
	P, kW	Type																																		
50-32-125.1	0.25	71A	50	32	80	117	117	50	116	116	116	14	14	71	112	140	140	-	-	-	427	100	70	-	-	190	140	-	-	160	15	-	-	136	30	
	0.37	71B																																		190
50-32-125	0.25	71A	50	32	80	117	117	50	116	116	116	14	14	71	112	140	140	-	-	-	427	100	70	-	-	190	140	-	-	160	15	-	-	136	30	
	0.37	71B																																		190
50-32-160.1	0.25	71A	50	32	80	117	117	50	116	121	121	14	14	71	132	160	160	-	-	-	427	100	70	-	-	240	190	-	-	160	15	-	-	136	30	
	0.37	71B																																		240
50-32-200.1	0.55	80A	50	32	80	117	117	50	116	121	121	14	14	71	132	160	160	-	-	-	467	100	70	-	-	240	190	-	-	200	15	-	-	156	40	
	0.37	71B																																		240
50-32-200	0.55	80A	50	32	80	117	117	50	116	121	121	14	14	80	132	160	160	-	-	-	467	100	70	-	-	240	190	-	-	200	15	-	-	156	40	
	0.75	80B																																		240
50-32-250.1	1.1	90S	50	32	100	117	117	65	168	168	168	14	14	80	180	225	225	-	-	-	501	125	95	-	-	320	250	-	-	200	18	-	-	156	50	
	1.5	90L																																		320
65-40-125	1.1	90S	65	40	80	117	117	50	117	117	117	14	14	71	112	140	140	-	-	-	427	100	70	-	-	210	160	-	-	160	15	-	-	136	30	
	0.37	71B																																		210
65-40-160	0.55	80A	65	40	80	117	117	50	119	134	134	14	14	80	132	160	160	-	-	-	467	100	70	-	-	240	190	-	-	200	15	-	-	156	40	
	0.75	80B																																		240
65-40-200	1.1	90S	65	40	100	117	117	50	142	155	155	14	14	80	132	160	160	-	-	-	501	100	70	-	-	265	212	-	-	200	18	-	-	156	50	
	1.5	90L																																		265
65-40-250	2.2	100L	65	40	100	127	127	50	142	155	155	14	14	100	132	160	160	-	-	-	630	100	70	-	-	265	212	-	-	250	18	-	-	170	60	
	3	100L																																		265
65-40-315	1.1	90S	65	40	100	127	127	65	169	179	179	14	14	90	180	225	225	-	-	-	501	125	95	-	-	320	250	-	-	200	18	-	-	156	50	
	1.5	90L																																		320
65-40-350	2.2	100L	65	40	100	127	127	65	169	179	179	14	14	100	180	225	225	-	-	-	588	125	95	-	-	320	250	-	-	250	18	-	-	170	60	
	3	100L																																		320
65-40-315	1.1	90S	65	40	125	127	127	65	207	207	207	14	14	100	225	250	250	-	-	-	675	125	95	-	-	345	280	-	-	250	18	-	-	190	60	
	2.2	100L																																		345
65-40-315	4	112M	65	40	125	115	115	65	207	207	207	14	14	112	225	250	250	-	-	-	675	125	95	-	-	345	280	-	-	250	18	-	-	190	60	
	5.5	132S																																		345
65-40-315	7.5	132M	65	40	125	216	216	173	140	140	140	14	14	12	132	225	250	250	302	302	302	232	12	806	125	95	317	281	256	216	300	18	3	93	213	30
	7.5	132M																																		

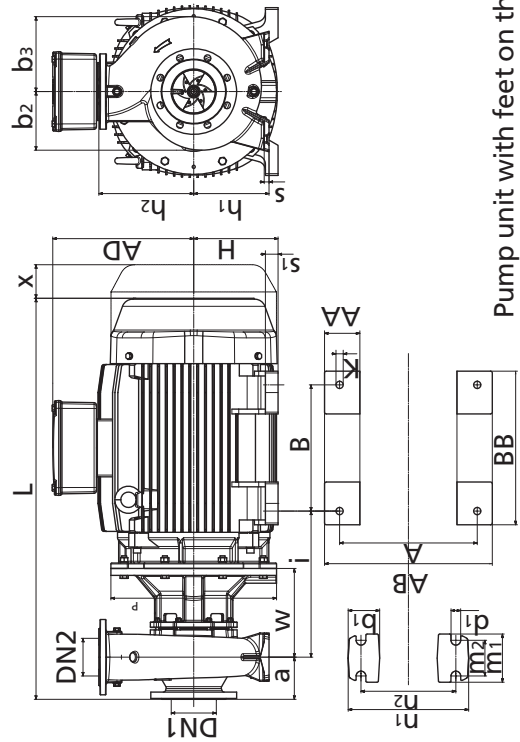
OVERALL DIMENSIONS. KRM TYPE UNITS (3,000 rpm)



Pump unit with feet on the pump casing and motor (motor size from 132 to 180)



Pump unit with feet on the pump casing only (motor size less than 112)



Pump unit with feet on the pump casing only (motor size from 200 to 315)

OVERALL DIMENSIONS. KRM TYPE UNITS (3,000 rpm)

Pump	Electric motor		DN1	DN2	a	A	AA	AB	AD	B	B1	B2	B3	BB	d1	H	h1	h2	i	K	L	m1	m2	n1	n2	P	s	s1	u	w	x
	P, kW	Type																													
50-32-125.1	0.75	80A			80	-	-	-	117	-	50	116	116	-	14	80	112	140	-	-	467	100	70	190	140	200	15	-	-	156	40
	1.1	80B	50	32	80	-	-	-	117	-	50	116	116	-	14	80	112	140	-	-	487	100	70	190	140	200	15	-	-	156	40
	1.5	90S			80	-	-	-	120	-	50	116	116	-	14	90	112	140	-	-	481	100	70	190	140	200	15	-	-	156	50
50-32-125	2.2	90L			80	-	-	-	120	-	50	116	116	-	14	90	112	140	-	-	506	100	70	190	140	200	15	-	-	156	50
	1.5	90S			80	-	-	-	120	-	50	116	116	-	14	90	112	140	-	-	481	100	70	190	140	200	15	-	-	156	50
	2.2	90L	50	32	80	-	-	-	120	-	50	116	116	-	14	90	112	140	-	-	506	100	70	190	140	200	15	-	-	156	50
50-32-160.1	3	100L			80	-	-	-	127	-	50	118	128	-	14	100	132	160	-	-	568	100	70	240	190	250	15	-	-	170	60
	2.2	90L			80	-	-	-	120	-	50	118	128	-	14	90	132	160	-	-	496	100	70	240	190	200	15	-	-	156	60
	4	112M			80	-	-	-	115	-	50	118	128	-	14	112	132	160	-	-	610	100	70	240	190	250	15	-	-	170	60
50-32-160	2.2	90L			80	-	-	-	120	-	50	118	128	-	14	90	132	160	-	-	496	100	70	240	190	200	15	-	-	156	60
	3	100L	50	32	80	-	-	-	127	-	50	118	128	-	14	100	132	160	-	-	568	100	70	240	190	250	15	-	-	170	60
	4	112M			80	-	-	-	115	-	50	118	128	-	14	112	132	160	-	-	610	100	70	240	190	250	15	-	-	170	60
50-32-200.1	2.2	90L			80	-	-	-	120	-	50	118	128	-	14	90	132	160	-	-	496	100	70	240	190	200	15	-	-	156	60
	3	100L			80	-	-	-	127	-	50	142	143	-	14	100	160	180	-	-	568	100	100	240	190	250	18	-	-	170	60
	4	112M	50	32	80	-	-	-	115	-	50	142	143	-	14	112	160	180	-	-	610	100	70	240	190	250	18	-	-	140	60
50-32-200	5.5	132S			80	216	43	256	173	140	50	142	143	227	14	132	160	180	382	12	727	100	70	240	190	300	18	15	28	193	30
	4	112M			80	-	-	-	115	-	50	142	143	-	14	112	160	180	-	-	610	100	70	240	190	250	18	-	-	140	60
	5.5	132S			80	216	43	256	173	140	50	142	143	227	14	132	160	180	382	12	727	100	70	240	190	300	18	15	28	193	30
50-32-250.1	7.5	132S	50	32	80	216	43	256	173	140	50	142	143	227	14	132	160	180	382	12	727	100	70	240	190	300	18	15	28	193	30
	11	160M			80	254	45	292	187	210	50	142	143	246	14	160	160	180	334	15	763	100	70	240	190	350	18	18	-	226	110
	5.5	132S			100	216	43	256	173	140	65	169	178	227	14	132	180	225	282	12	747	125	95	320	250	300	18	15	48	193	30
50-32-250	7.5	132S			100	216	43	256	173	140	65	169	178	227	14	132	180	225	282	12	747	125	95	320	250	300	18	15	48	193	30
	11	160M	50	32	100	254	45	292	187	210	65	169	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
	15	160M			100	254	45	292	187	210	65	169	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
50-32-250	7.5	132S			100	216	43	256	173	140	65	169	178	227	14	132	180	225	282	12	747	125	95	320	250	300	18	15	48	193	30
	11	160M	50	32	100	254	45	292	187	210	65	169	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
	15	160M			100	254	45	292	187	210	65	169	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110

OVERALL DIMENSIONS. KRM TYPE UNITS (3,000 rpm)

Pump	Electric motor		DN1	DN2	a	A	AA	AB	AD	B	b1	b2	b3	BB	d1	H	h1	h2	i	K	L	m1	m2	n1	n2	P	s	s1	u	w	x
	P, kW	Type																													
65-40-125	2.2	90L			80	-	-	-	120	-	50	117	117	-	14	90	112	140	-	-	496	100	70	210	160	200	15	-	-	156	60
	3	100L	65	40	80	-	-	-	127	-	50	117	117	-	14	100	112	140	-	-	568	100	70	210	160	250	15	-	-	170	60
	4	112M			80	-	-	-	115	-	50	117	117	-	14	112	112	140	-	-	610	100	70	210	160	250	15	-	-	170	60
65-40-160	4	112M			80	-	-	-	115	-	50	119	134	-	14	112	132	160	-	-	610	100	70	240	190	250	15	-	-	170	60
	5.5	132S	65	40	80	216	43	256	173	140	50	119	134	227	14	132	132	160	282	12	727	100	70	240	190	300	15	15	-	193	30
	7.5	132S			80	216	43	256	173	140	50	119	134	227	14	132	132	160	282	12	727	100	70	240	190	300	15	15	-	193	30
65-40-200	5.5	132S			100	216	43	256	173	140	50	142	155	227	14	132	160	180	282	12	747	100	70	265	212	300	18	15	28	193	30
	7.5	132S	65	40	100	216	43	256	173	140	50	142	155	227	14	132	160	180	282	12	747	100	70	265	212	300	18	15	28	193	30
	11	160M			100	254	45	292	187	210	50	142	155	246	14	160	160	180	334	15	783	100	70	265	212	350	18	18	-	226	110
65-40-250	15	160M			100	254	45	292	187	210	50	142	155	246	14	160	160	180	334	15	783	100	70	265	212	350	18	18	-	226	110
	11	160M			100	254	45	292	187	210	65	169	179	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
	15	160M	65	40	100	254	45	292	187	210	65	169	179	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
65-50-125	18.5	160L			100	254	50	304	244	254	65	169	179	300	14	160	180	225	334	15	886	125	95	320	250	350	18	20	20	226	110
	22	180M			100	279	60	320	244	241	65	169	179	328	14	180	180	225	347	15	916	125	95	320	250	350	18	20	-	226	110
	3	100L			100	-	-	-	127	-	50	117	130	-	14	100	132	160	-	-	588	100	70	240	190	250	18	-	-	170	60
65-50-160	4	112M			100	-	-	-	115	-	50	117	130	-	14	112	132	160	-	-	630	100	70	240	190	250	18	-	-	170	60
	5.5	132S	65	50	100	216	43	256	173	140	50	117	130	227	14	132	132	160	282	12	747	100	70	240	190	300	18	15	-	193	30
	7.5	132S			100	216	43	256	173	140	50	117	130	227	14	132	132	160	282	12	747	100	70	240	190	300	18	15	-	193	30
65-50-200	5.5	132S			100	216	43	256	173	140	50	128	149	227	14	132	160	180	282	12	747	100	70	265	212	300	18	15	28	193	30
	7.5	132S	65	50	100	216	43	256	173	140	50	128	149	227	14	132	160	180	282	12	747	100	70	265	212	300	18	15	28	193	30
	11	160M			100	254	45	292	187	210	50	128	149	246	14	160	160	180	334	15	783	100	70	265	212	350	18	18	-	226	110
65-50-250	15	160M			100	254	45	292	187	210	50	128	149	246	14	160	160	180	334	15	783	100	70	265	212	350	18	18	-	226	110
	11	160M			100	254	45	292	187	210	50	144	163	246	14	160	160	200	334	15	783	100	70	265	212	350	18	18	-	226	110
	15	160M	65	50	100	254	45	292	187	210	50	144	163	246	14	160	160	200	334	15	783	100	70	265	212	350	18	18	-	226	110
65-50-300	18.5	160L			100	254	50	304	244	254	50	144	163	300	14	160	160	200	334	15	886	100	70	265	212	350	18	20	-	226	110
	22	180M			100	279	60	320	244	241	50	144	163	328	14	180	160	200	347	15	916	100	70	265	212	350	18	20	-	226	110

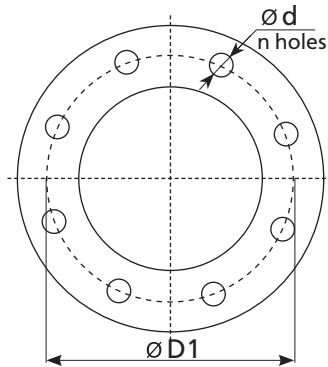
OVERALL DIMENSIONS. KRM TYPE UNITS (3,000 rpm)

Pump	Electric motor		a	A	AA	AB	AD	B	b1	b2	b3	BB	d1	H	h1	h2	i	K	L	m1	m2	n1	n2	P	s	s1	u	w	x
	P, kW	Type																											
65-50-250	18.5	160L	100	254	50	304	244	254	65	170	186	300	14	160	180	225	334	15	886	125	95	320	250	350	18	20	-	226	110
	22	180M	100	279	60	320	244	241	65	170	186	328	14	180	180	225	347	15	916	125	95	320	250	350	18	20	-	226	110
	30	200L	100	318	65	376	260	305	65	170	186	364	14	200	180	225	359	19	886	125	95	320	250	400	18	25	-	226	110
80-65-125	4	112M	100	-	-	-	115	-	65	117	150	-	14	112	160	180	-	-	630	125	95	280	212	250	18	-	-	170	60
	5.5	132S	100	216	43	256	173	140	65	117	150	227	14	132	160	180	282	12	747	125	95	280	212	300	18	15	28	193	30
	7.5	132S	100	216	43	256	173	140	65	117	150	227	14	132	160	180	282	12	747	125	95	280	212	300	18	15	28	193	30
	11	160M	100	254	45	292	187	210	65	117	150	246	14	160	160	180	334	15	783	125	95	280	212	350	18	18	-	226	110
80-65-160	5.5	132S	100	216	43	256	173	140	65	132	160	227	14	132	160	200	282	12	747	125	95	280	212	300	18	15	28	193	30
	7.5	132S	100	216	43	256	173	140	65	132	160	227	14	132	160	200	282	12	747	125	95	280	212	300	18	15	28	193	30
	11	160M	100	254	45	292	187	210	65	132	160	246	14	160	160	200	334	15	783	125	95	280	212	350	18	18	-	226	110
	15	160M	100	254	45	292	187	210	65	132	160	246	14	160	160	200	334	15	783	125	95	280	212	350	18	18	-	226	110
80-65-200	11	160M	100	254	45	292	187	210	65	155	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
	15	160M	100	254	45	292	187	210	65	155	178	246	14	160	180	225	334	15	783	125	95	320	250	350	18	18	20	226	110
	18.5	160L	100	254	50	304	244	254	65	155	178	300	14	160	180	225	334	15	886	125	95	320	250	350	18	20	20	226	110
	22	180M	100	279	60	320	244	241	65	155	178	328	14	180	180	225	347	15	916	125	95	320	250	350	18	20	-	226	110
100-80-160	30	200L	100	318	65	376	260	305	65	155	178	364	14	200	180	225	359	19	886	125	95	320	250	400	18	25	-	226	110
	15	160M	125	254	45	292	187	210	65	209	174	246	14	160	180	225	334	15	808	125	95	320	250	350	18	18	20	226	110
	18.5	160L	125	254	50	304	244	254	65	209	174	300	14	160	180	225	334	15	911	125	95	320	250	350	18	20	20	226	110
	22	180M	125	279	60	320	244	241	65	209	174	328	14	180	180	225	347	15	941	125	95	320	250	350	18	20	-	226	110
100-80-200	30	200L	125	318	65	376	260	305	65	209	174	364	14	200	180	225	359	15	911	125	95	320	250	400	18	25	-	226	110
	30	200L	125	318	65	376	260	305	65	159	188	364	19	200	180	250	379	19	931	125	95	345	280	400	18	25	-	246	110
	37	200L	125	318	90	395	295	305	65	159	188	375	19	200	180	250	379	19	1042	125	95	345	280	400	18	25	-	246	110
45	225M	125	356	95	425	295	311	65	159	188	380	19	225	180	250	426	19	1073	125	95	345	280	450	18	30	-	277	110	

OVERALL DIMENSIONS. KRM TYPE UNITS (3,000 rpm)

Pump	Electric motor		a	A	AA	AB	AD	B	b1	b2	b3	BB	d1	H	h1	h2	i	K	L	m1	m2	n1	n2	P	s	s1	u	w	x
	P, kW	Type																											
100-80-250	37	220L	125	318	90	395	295	305	80	183	209	375	19	200	200	280	379	19	1042	160	120	400	315	400	18	25	-	246	110
	45	225M	125	356	95	425	295	311	80	183	209	380	19	225	200	280	426	19	1073	160	120	400	315	450	18	30	-	277	110
	55	250M	125	406	100	480	315	349	80	183	209	425	19	250	200	280	457	24	1190	160	120	400	315	550	18	35	-	289	110
125-100-160	75	280S	125	457	120	560	380	368	80	183	209	510	19	280	200	280	479	24	1239	160	120	400	315	550	18	35	-	289	140
	22	180M	125	279	60	320	244	241	80	178	225	328	19	180	200	280	347	15	941	160	120	360	280	350	18	20	20	226	110
	30	200L	125	318	65	376	260	305	80	178	225	364	19	200	200	280	379	19	931	160	120	360	280	400	18	25	-	246	110
125-100-200	37	200L	125	318	90	395	295	35	80	178	225	375	19	200	200	280	379	19	1042	160	120	360	280	400	18	25	-	246	110
	30	200L	125	318	65	376	260	305	80	173	212	364	19	200	200	280	379	19	931	160	120	360	280	400	18	25	-	246	110
	37	200L	125	318	90	395	295	305	80	173	212	375	19	200	200	280	379	19	1042	160	120	360	280	400	18	25	-	246	110
125-100-250	45	225M	125	356	95	425	295	311	80	173	212	380	19	225	200	280	426	19	1073	160	120	360	280	450	18	30	-	277	110
	55	250M	125	406	100	480	315	349	80	173	212	425	19	250	200	280	457	24	1190	160	120	360	280	550	18	35	-	289	140
	75	280S	125	457	120	560	380	368	80	173	212	510	19	280	200	280	479	24	1239	160	120	360	280	550	18	35	-	289	140
125-100-250	45	225M	140	356	425	95	295	311	80	188	219	380	19	225	225	280	426	19	1088	160	120	400	315	450	18	30	-	277	110
	55	250M	140	406	480	100	315	349	80	188	219	425	19	250	225	280	457	24	1205	160	120	400	315	550	18	35	-	289	110
	75	280S	140	457	560	120	380	368	80	188	219	510	19	280	225	280	479	24	1254	160	120	400	315	550	118	35	-	289	140
125-100-250	90	280M	140	457	560	120	380	419	80	188	219	510	19	280	225	280	479	24	1254	160	120	400	315	550	18	35	-	289	140
	110	315S	140	508	608	120	380	406	80	188	219	506	19	315	225	280	595	28	1459	160	120	400	315	660	18	40	-	379	140
	55	250M	140	406	100	480	315	349	80	189	242	425	19	250	250	250	457	24	1205	160	120	400	315	550	20	35	-	289	110
150-125-200	75	280S	140	457	120	560	380	368	80	189	242	510	19	280	250	315	479	24	1254	160	120	400	315	550	20	35	-	289	140
	90	280M	140	457	120	560	380	419	80	189	242	510	19	280	250	315	479	24	1254	160	120	400	315	550	20	35	-	289	140
	110	315S	140	508	120	506	380	406	80	189	242	506	19	315	250	315	595	28	1459	160	120	400	315	660	20	40	-	379	140

FLANGES DIMENSIONS



Ranges		DIN EN 1092-2	GOST 33259-2015
		PN16	PN16
DN32	D1	100	100
	d	19	18
	n	4	4
DN40	D1	110	110
	d	19	18
	n	4	4
DN50	D1	125	125
	d	19	18
	n	4	4
DN65	D1	145	145
	d	19	18
	n	4	4
DN80	D1	160	160
	d	19	18
	n	4	4
DN100	D1	180	180
	d	19	18
	n	8	8
DN125	D1	210	210
	d	19	18
	n	8	8
DN150	D1	240	240
	d	23	22
	n	8	8
DN200	D1	295	295
	d	23	22
	n	12	12
DN250	D1	355	335
	d	28	26
	n	12	12
DN300	D1	410	410
	d	28	26
	n	12	12
DN350	D1	470	470
	d	28	26
	n	16	16

REQUEST FOR QUOTATION (ORDER FORM)**Kordis Pumps**

Please forward the completed order form to **HMS Group Moscow. International Sales Department:**

7, Chayanova Str., Moscow, 125047, Russia. Tel: + 7 (495) 730 6601 E-mail: export@hms.ru www.hms.biz

№	Parameter	Units	Customer requirements
1	Functional		
1.1	Capacity	m ³ /h	
1.2	Head	m	
1.3	Suction / discharge pressure	bar	
1.4	NPSHR	m	
2	Pumped media		
2.1	Pumped liquid description		
2.2	Solids volume concentration	%	
2.3	pH factor		
2.4	Explosion hazard	yes / no	
2.5	Solids size (abrasive/non-abrasive)	mm	
2.6	Temperature of pumped liquid	°C	
2.7	Cinematic viscosity at operation temperature	cSt	
2.8	Density at operation temperature	kg/m ³	
2.9	Absolute pressure of saturated steam	bar	
3	Materials of main components		
	Casing / Cover Impeller Shaft		
4	Shaft sealing		
4.1	Gland seal or single mechanical seal		
5	Site installation conditions		
5.1	Outside temperature and humidity	°C	
5.2	Explosion proof conditions		
5.3	Cooling / heating liquid feed line	yes / no	
6	Drive		
6.1	Voltage, frequency, number of phases		
6.2	Variable frequency drive requirement	yes / no	
7	Appendixes: (installation scheme, control panels & automation, other requirements)		

Name _____ Position _____

Company _____ Phone _____

Address _____ E-mail _____



HMS Group is the leading in Russia and CIS manufacturer of pumps, compressors, skid-mounted and modular process equipment for oil & gas, nuclear and thermal power generation, water supply & sewage disposal, and the other industries.

KEY FACTS & FIGURES

- HMS Group foundation: 1993
- Manufacturing facilities in Russia, CIS and Europe
- Extensive track record of the integrated projects for oil & gas and water & utilities
- Over 14,500 employees worldwide
- Representative offices in Turkmenistan, Kazakhstan, Iran, Italy, and UAE

For water supply and sewage disposal applications HMS Group offers its state-of-the-art, reliable and energy-efficient solutions at any level: from design engineering, manufacturing, and procurement of any main and auxiliary pumps and systems to realization of the integrated turnkey EPC projects.

RESEARCH & DEVELOPMENT

The contemporary R&D base of HMS Group is represented by the own engineering centers located in Russia, CIS and Europe with integrated management and application of the latest 3D design and flow modeling software based on SolidWorks, PumpLinx, ANSYS CFX and other platforms.

The HMS Group engineers cooperate closely with the customers and participate actively in the development of technical requirements as well as adjust the newest engineering solutions to the customer's process environment.

MANUFACTURING

The pumping equipment including all critical parts and components is manufactured at the HMS Group's factories equipped with up-to-date processing centers and NC machine tools by the leading manufacturers from Germany, Great Britain, and South Korea. The casing parts and impellers are fabricated at the large foundries equipped with the new molding lines and induction furnaces.

TESTING

The HMS Group production facilities have the unique equipment for in-situ testing of pumps and systems in accordance with the international standard ISO 9906:2012 Grade 2B requirements or by the special customer-approved methods within the following range of the main operating parameters:

- Capacity: up to 16,000 m³/h
- Head: up to 4,000 m
- Drive power: up to 14,000 kW

SERVICE

The HMS Group customers are provided with a full range of related services for pumps & systems including installation & commissioning supervision, routine maintenance, repair and overhaul, supply of original spare parts, integrated retrofit, extended engineering and technical support.

STANDARDS & QUALITY

The companies of HMS Group engineer and manufacture the pumps for water supply and sewage disposal applications in a strict compliance with the Russian state standard (GOST) as well as in compliance with the main international standards: ISO, DIN EN, ANSI, NEMA.

**HMS Group Moscow
International Sales Department**

Phone: + 7 (495) 730 6601

E-mail: export@hms.ru

www.grouphms.com

www.hms.biz



**The manufacturer of the Kordis pumps
is HMS Livgidromash (HMS Group)**

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