

# NL,N NDROO Series

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Single Stage  
End Suction Pump  
60Hz

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**hydroo®**



HYDROO is present in all the European markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a joint effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment on the market following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

# BE PUMPING PARTNERS



Salt d'Espolla, Esponellà  
(Pla de l'Estany county, Catalonia)

A spectacular waterfall, highly recommended to visit, but take into account that almost the whole year is dry and only appears after the rainy seasons. This is a fantastic place, very shady, with leafy vegetation and mossy rocks.

Coordinates:  
Longitude: 2.78415  
Latitude: 42.17378

## hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production lines. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.



## hylite

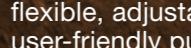
Contribution to preservation of the environment and to sustainability. We reduce the environmental impact and footprint of carbon. We contribute to the development of the circular economy. Our team stand out for the highest standards of energy efficiency.

## hyficient

The use of the most advanced analytical, development and simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.

## hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.



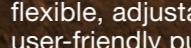
## hynovative

Commitment to implementation of the innovation process as strategic pillar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process in each job position to offer market improvements.



## hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.





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# NL N

Single stage  
end suction  
centrifugal pump

## Description

Back pull out design for fast and easy maintenance.

## Performance range

**Capacity:** Q up to 1200 m<sup>3</sup>/h  
**Head:** H up to 150 m  
**Temperature:** T up to 110 °C  
**Speed:** 3500/1750 rpm  
**Power:** P up to 250 kW

## Standard material

Casing: Cast iron  
 Impeller: Cast iron or bronze  
 Shaft: Stainless steel

Any other materials available on request

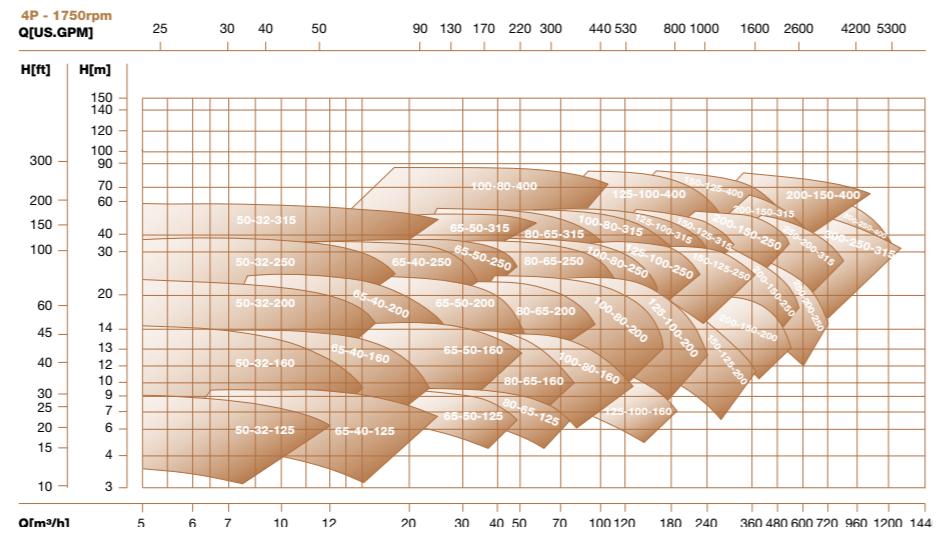
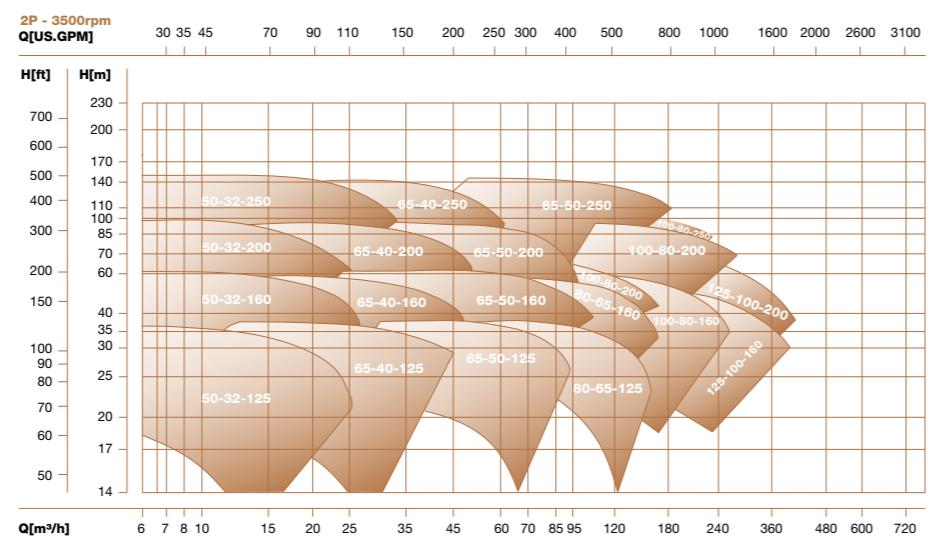
## Applications

- Cooling water
- Water supply/distribution
- Drainage
- Irrigation
- General industrial services



## Performance scope

60Hz



## Definition of model

NLFX 100-65-200 30 T 4069 5 2 IE3

N	L	F	X	100	-	65	-	200	30	T	4069	6	2	IE3

Legend:

- Motor efficiency (According IEC60034)
- Number of poles
- 5: 50 Hz  
6: 60 Hz
- Rated voltage (x10) (V)
- S: Single phase  
T: Three phases
- Motor power (kW)
- D performance curve variant
- Nominal diameter of impeller (mm)
- Discharge diameter (mm)
- Suction diameter (mm)
- Impeller material:  
Ø: Cast iron omitted / X: AISI304  
B: Bronze / N: AISI316  
D: Duplex SS2205
- Pump wet parts:  
F: Cast iron / X: AISI304  
B: Bronze / N: AISI316  
D: Duplex SS2205
- Ø: Stub shaft close coupled version  
L: long coupled version
- N: End suction centrifugal pump

## Min inlet pressure

- Min inlet pressure depends on NPSH+0.5m safety margin+gasified pressure. It should be re-calculated the inlet pressure of one of the following happens.
- The liquid is more warm.
- The flow exceeds the nominate value.
- Suction distance is very long or inlet pipe is very long.
- System pressure is too little.
- Inlet pressure is low, working pressure is low.

## Construction

- Non-self-priming, single stage, single suction, horizontal, axial suction and radial discharge. Pump set on a common baseplate.
- NLF pump use high performance bearing to prevent radial vibration. Bearing are self lubricated.
- NLF/NLFX long coupled version with semi-flexible coupling.
- NF/NX close coupled stub shaft version.
- All versions are according to ISO 2858.

## Specification

- Flow: Max 1200 m<sup>3</sup>/h
- Head: Max 150 m
- Working pressure: Max 16 bar
- Inlet pressure: Max 6 bar
- Power: Max 250 kW
- Liquid temperature: -15 °C ~110 °C
- Inlet and Outlet diameter:  
Inlet diameter: DN50~DN300  
Outlet diameter: DN32 ~DN 250

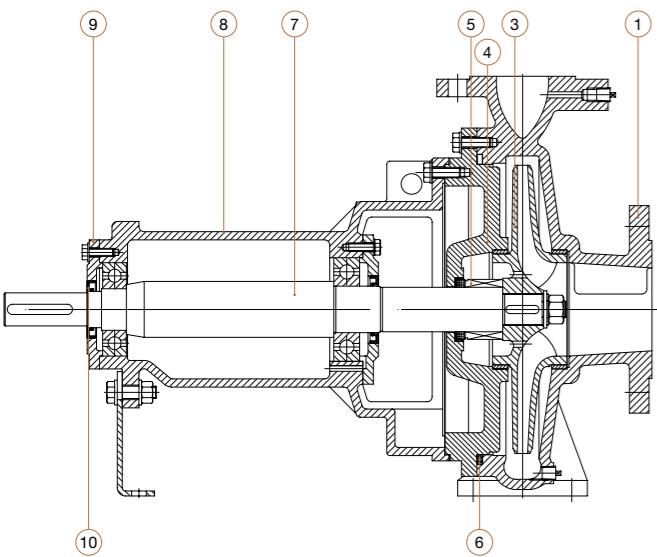
## Curve conditions

- Curves tolerance is according to ISO9906, Annex A;
- All curves are based on the measured value of constant motor speed 3480-3500rpm, 1740-1750rpm.
- The measurements were made with airless water at temperature of 20 °C. The curves apply to a kinematic viscosity of 1mm<sup>2</sup>/s (1 cst)
- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber.
- Water supply system.
- Heat, air condition system.
- Booster, constant pressure water supply.
- Firefighting, splitting system.
- Irrigating, farming.
- Industry cooling, heater circulation system.
- Industry transferring, drainage system.

## Features

- Back-pull-out design, no need to disturb pump body and pipelines when servicing.
- All the NLF Pump models only use 4 kinds of pumps shafts and bearing cover, make parts exchangeable.
- Impeller is optimum design, inlet is enlarged, no whirlpool, deduct the water pump NPSH efficiently, which makes pump work stable with little noise.
- NF, NX Pump are small, compact, easy to install.

## NLF/NLFB/NLFB/NLX Sectional drawing



## NLF/NLFB/NLFB/NLX Part list

Nº	Name	Material	AISI/ASTM
1	Casing	Nodular Cast Iron / AISI304	ASTM A536 / AISI304
2	Wear ring	Nodular Cast Iron	ASTM A536
3	Impeller	Nodular Cast Iron / AISI 304 Bronze	ASTM A536 / AISI304
4	Casing cover	Nodular Cast Iron	ASTM A536
5	Mechanical seal	Carbon / Silicon Carbide	—
6	O ring	NBR	—
7	Shaft	Stainless Steel 420	AISI420
8	Bearing housing	Nodular Cast Iron	ASTM A536
9	Bearing cover	Nodular Cast Iron	ASTM A536
10	Seal	NBR	—

## Models 2 Pole

Reference	Capacity	Head	Speed	Power		Eff	Impeller diameter	(NPSH) r	Power		Eff	Impeller diameter	(NPSH) r
				Shaft	Motor				Shaft	Motor			
NLF50-32-125/4	21.7	6.04	32.8	3500	3.08	4	63	139	2.5				
NLF50-32-125/3	20.3	5.65	26.2	3500	2.38	3	61	130	2.5				
NLF50-32-125/3A	18.8	5.21	21.1	3500	1.86	3	58	120	2.5				
NLF50-32-125/2.2	17.2	4.78	16.6	3500	1.40	2.2	55.5	110	2.5				
NLF50-32-125/1.5	16.6	4.34	12.7	3500	1.04	1.5	52	100	2.5				
NLF50-32-160/7.5	26.1	7.24	53.2	3500	6.51	7.5	58	174	3.7				
NLF50-32-160/7.5A	24.7	6.87	46.8	3500	5.52	7.5	57	165	3.7				
NLF50-32-160/5.5	23.2	6.45	41.8	3500	4.72	5.5	56	155	3.7				
NLF50-32-160/5.5A	21.7	6.03	36.4	3500	3.95	5.5	54.5	145	3.7				
NLF50-32-160/4	20.2	5.62	31.2	3500	3.27	4	52.5	135	3.7				
NLF50-32-160/4A	18.7	5.20	26.2	3500	2.62	4	51	125	3.7				
NLF50-32-200/15	26.1	7.24	78.8	3500	11.53	15	48.5	214	2.3				
NLF50-32-200/15A	25.0	6.94	70.4	3500	9.94	15	48.1	205	2.2				
NLF50-32-200/11	23.8	6.60	62.9	3500	8.66	11	47	195	2.2				
NLF50-32-200/11A	22.5	6.26	55.6	3500	7.42	11	46	185	2.2				
NLF50-32-200/7.5	21.3	5.92	49.8	3500	6.54	7.5	44.2	175	2.2				
NLF50-32-200/7.5A	20.1	5.58	44.3	3500	5.58	7.5	43.4	165	2.2				
NLF50-32-250/30	31.9	10.86	109.7	3500	28.62	30	40.8	264	3.1				
NLF50-32-250/30A	37.8	10.49	102.0	3500	25.89	30	40.5	255	3.1				
NLF50-32-250/30B	36.3	10.08	94.7	3500	23.27	30	40.2	245	3.1				
NLF50-32-250/30C	34.8	9.67	87.1	3500	21.16	30	39	235	3.1				
NLF50-32-250/22	33.3	9.26	79.8	3500	19.06	22	38	225	3.1				
NLF50-32-250/22A	31.8	8.85	74.3	3500	17.41	22	37	215	3.1				
NLF80-65-125/15	144.8	40.23	25.1	3500	13.00	15	76	139	4.2				

## Models 2 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF80-65-125/11	138.6	38.50	19.7	3500	10.45	11	71	130	4.2
NLF80-65-125/11A	125.0	34.73	14.9	3500	7.90	11	64	120	4.2
NLF80-65-160/30	144.8	40.23	43.1	3500	23.13	30	73.5	174	4.1
NLF80-65-160/22	137.3	38.15	37.6	3500	19.38	22	72.5	165	4.1
NLF80-65-160/18.5	129.0	35.84	31.8	3500	15.93	18.5	70	155	4.1
NLF80-65-160/15	120.7	33.53	26.5	3500	12.72	15	68.5	145	4.1
NLF80-65-160/15A	112.4	31.22	22.6	3500	10.63	15	65	135	4.1
NLF80-65-160/11	104.1	28.90	18.6	3500	8.38	11	63	125	4.1
NLF80-65-200/37	137.7	38.25	54.3	3500	28.45	37	71.5	185	5.2
NLF80-65-200/30	130.3	36.18	47.6	3500	23.96	30	70.5	175	5.2
NLF80-65-200/30A	122.8	34.11	40.8	3500	20.05	30	68	165	5.2
NLF80-65-250/30A	173.8	48.27	123.1	3500	79.76	90	73	264	5.6
NLF80-65-250/90	167.9	46.63	112.9	3500	71.64	90	72	255	5.6
NLF80-65-250/75	161.3	44.80	104.9	3500	65.77	75	70	245	5.6
NLF80-65-250/75A	154.7	42.97	94.7	3500	57.36	75	69.5	235	5.6
NLF80-65-250/75B	148.1	41.14	87.4	3500	51.82	75	68	225	5.6
NLF80-65-250/55	141.5	39.31	78.7	3500	45.91	55	66	215	5.6
NLF80-65-250/45	134.9	37.48	68.5	3500	39.92	45	63	205	5.6
NLF100-80-160/45	234.6	65.17	42.7	3500	36.84	45	74	174	5
NLF100-80-160/37	222.5	61.80	35.2	3500	30.94	37	69	165	5
NLF100-80-160/30	209.0	58.06	29.3	3500	25.24	30	66	155	5
NLF100-80-160/30A	195.5	54.31	25.3	3500	21.08	30	64	145	5
NLF100-80-160/18.5	182.0	50.56	21.0	3500	17.32	18.5	60	135	5
NLF100-80-200/75	275.2	76.44	67.0	3500	68.29	75	73.5	214	5.8
NLF100-80-200/75A	263.6	73.23	60.4	3500	59.83	75	72.5	205	5.85
NLF100-80-200/55	250.8	69.65	54.8	3500	51.92	55	72	195	5.5
NLF100-80-200/55A	237.9	66.08	46.3	3500	43.47	55	69	185	5.5
NLF100-80-200/37	225.0	62.51	38.6	3500	36.38	37	65	175	5.5
NLF100-80-200/30	212.2	58.94	32.0	3500	29.85	30	62	165	5.5
NLF100-80-250/90	245.0	68.04	80.3	3500	75.38	90	71	235	5.7
NLF100-80-250/75	234.5	65.15	72.2	3500	65.43	75	70.5	225	5.7
NLF100-80-250/75A	224.1	62.25	64.8	3500	56.49	75	70	215	5.7
NLF100-80-250/55	213.7	59.36	58.0	3500	48.52	55	69.5	205	5.7
NLF125-100-160/55	365.0	101.38	30.3	3500	42.40	55	71	176	7.5
NLF125-100-160/45	348.4	96.77	25.8	3500	35.44	45	69	165	7.5
NLF125-100-160/37	327.6	91.01	21.3	3500	28.96	37	65.5	155	7.5
NLF125-100-160/30	300.7	83.52	17.5	3500	23.08	30	62	145	7.5
NLF125-100-200/75	376.1	104.48	45.9	3500	66.64	75	70.5	195	6
NLF125-100-200/75A	356.8	99.12	38.3	3500	55.13	75	67.5	185	6
NLF125-100-200/55	337.6	93.76	31.8	3500	45.59	55	64	175	6

## Models 4 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF125-100-200/45	318.3	88.41	26.2	3500	37.86	45	60	165	6
NLF50-32-125/0.55	8.7	2.91	8.4	1750	0.33	0.55	61	139	2.1
NLF50-32-125/0.55A	8.1	2.72	7.0	1750	0.26	0.55	59	130	2.1
NLF50-32-125/0.55B	7.5	2.51	5.7	1750	0.21	0.55	56	120	2.1
NLF50-32-125/0.55C	6.9	2.30	4.5	1750	0.16	0.55	54	110	2.1
NLF50-32-125/0.55D	6.2	2.09	3.4	1750	0.11	0.55	52	100	2.1
NLF50-32-160/1.1	10.4	3.49	13.8	1750	0.69	1.1	57	174	2.2
NLF50-32-160/0.75	9.9	3.31	12.2	1750	0.59	0.75	56	165	2.2
NLF50-32-160/0.75A	9.3	3.11	10.6	1750	0.50	0.75	54	155	2.2
NLF50-32-160/0.55	8.7	2.91	9.3	1750	0.42	0.55	52	145	2.2
NLF50-32-160/0.55A	8.1	2.71	8.1	1750	0.35	0.55	50	135	2.2
NLF50-32-160/0.55B	7.5	2.51	6.9	1750	0.29	0.55	49	125	2.2
NLF50-32-200/1.5	10.4	3.49	19.8	1750	1.18	1.5	47.5	214	2.3
NLF50-32-200/1.5A	10.0	3.34	17.6	1750	1.03	1.5	46.5	205	2.3
NLF50-32-200/1.5B	9.5	3.18	15.9	1750	0.92	1.5	45	195	2.3
NLF50-32-200/1.1	9.0	3.02	14.3	1750	0.79	1.1	44	185	2.3
NLF50-32-200/1.1A	8.5	2.85	12.8	1750	0.71	1.1	42	175	2.3
NLF50-32-200/1.1B	8.0	2.69	11.4	1750	0.62	1.1	40	165	2.3
NLF50-32-250/4	13.2	4.42	31.2	1750	2.80	4	40	264	2.4
NLF50-32-250/4A	12.7	4.27	29.0	1750	2.54	4	39.5	255	2.4
NLF50-32-250/3	12.2	4.10	26.9	1750	2.30	3	39	245	2.4
NLF50-32-250/3A	11.7	3.93	24.8	1750	2.08	3	38	235	2.4
NLF50-32-250/3B	11.2	3.76	22.9	1750	1.89				

## Models 4 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF65-40-200/1,5	15.1	5.05	14.0	1750	1.05	1.5	54.5	185	2.5
NLF65-40-200/1,1	14.2	4.77	12.2	1750	0.89	1.1	53.5	175	2.5
NLF65-40-200/1,1A	13.4	4.50	10.6	1750	0.76	1.1	51	165	2.5
NLF65-40-250/4	19.2	6.43	31.6	1750	3.24	4	51	264	2.2
NLF65-40-250/4A	18.5	6.21	28.5	1750	2.88	4	50	255	2.2
NLF65-40-250/4B	17.8	5.97	26.2	1750	2.57	4	49.5	245	2.2
NLF65-40-250/3	17.1	5.72	23.9	1750	2.29	3	48.5	235	2.2
NLF65-40-250/3A	16.3	5.48	21.9	1750	2.07	3	47	225	2.2
NLF65-40-250/3B	15.6	5.24	19.7	1750	1.80	3	46.5	215	2.2
NLF65-40-250/2,2	14.9	4.99	17.8	1750	1.60	2.2	45	205	2.2
NLF65-40-315/11	21.6	7.24	49.8	1750	6.97	11	42	329	2.5
NLF65-40-315/7,5	20.7	6.93	44.4	1750	5.96	7.5	42	315	2.5
NLF65-40-315/7,5A	19.7	6.60	40.2	1750	5.26	7.5	41	300	2.5
NLF65-40-315/5,5	18.7	6.27	35.5	1750	4.53	5.5	40	285	2.5
NLF65-40-315/5,5A	17.7	5.94	31.3	1750	3.87	5.5	39	270	2.5
NLF65-40-315/5,5B	16.7	5.61	28.5	1750	3.52	5.5	37	255	2.5
NLF65-50-125/1,5	34.7	11.64	8.4	1750	1.08	1.5	74	139	2.7
NLF65-50-125/1,1	32.5	10.89	6.8	1750	0.84	1.1	72	130	2.7
NLF65-50-125/1,1A	30.0	10.05	5.5	1750	0.65	1.1	69	120	2.7
NLF65-50-125/0,75	27.5	9.21	4.1	1750	0.48	0.75	64	110	2.7
NLF65-50-160/3	37.1	12.43	13.5	1750	1.80	3	76	174	3.2
NLF65-50-160/2,2	35.1	11.78	11.8	1750	1.51	2.2	75	165	3.2
NLF65-50-160/2,2A	33.0	11.07	12.2	1750	1.49	2.2	74	155	3.2
NLF65-50-160/1,5	30.9	10.36	8.8	1750	1.03	1.5	71.5	145	3.2
NLF65-50-160/1,1	28.8	9.64	7.4	1750	0.87	1.1	67	135	3.2
NLF65-50-160/1,1A	26.6	8.93	5.8	1750	0.65	1.1	65	125	3.2
NLF65-50-200/4	36.0	12.06	19.4	1750	2.75	4	69	214	2.3
NLF65-50-200/3	34.5	11.56	17.6	1750	2.47	3	67	205	2.3
NLF65-50-200/3A	32.8	10.99	16.0	1750	2.13	3	67	195	2.3
NLF65-50-200/2,2	31.1	10.43	14.4	1750	1.85	2.2	66	185	2.3
NLF65-50-200/2,2A	29.4	9.87	12.8	1750	1.63	2.2	63	175	2.3
NLF65-50-200/2,2B	27.7	9.30	11.2	1750	1.39	2.2	61	165	2.3
NLF65-50-250/7,5	38.4	12.88	32.5	1750	5.15	7.5	66	264	1.9
NLF65-50-250/7,5A	37.1	12.44	30.0	1750	4.66	7.5	65	255	1.9
NLF65-50-250/5,5	35.6	11.95	27.8	1750	4.22	5.5	64	245	1.9
NLF65-50-250/5,5A	34.2	11.46	25.8	1750	3.81	5.5	63	235	1.9
NLF65-50-250/5,5B	32.7	10.97	23.5	1750	3.40	5.5	61.5	225	1.9
NLF65-50-250/4	31.3	10.49	21.4	1750	2.99	4	61	215	1.9
NLF65-50-250/4A	29.8	10.00	19.2	1750	2.60	4	60	205	1.9

## Models 4 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF65-50-315/15	60.5	20.28	40.8	1750	12.21	15	55	329	2.7
NLF65-50-315/15A	57.9	19.41	36.3	1750	10.40	15	55	315	2.7
NLF65-50-315/11	55.1	18.49	32.6	1750	9.07	11	54	300	2.7
NLF65-50-315/11A	52.4	17.56	28.5	1750	7.61	11	53.5	285	2.7
NLF65-50-315/7,5	49.6	16.64	25.1	1750	6.51	7.5	52	270	2.7
NLF65-50-315/7,5A	46.9	15.72	21.7	1750	5.33	7.5	52	255	2.7
NLF80-65-125/2,2	57.9	19.42	7.0	1750	1.43	2.2	77	139	2.7
NLF80-65-125/1,5	54.2	18.16	5.2	1750	1.03	1.5	75	130	2.7
NLF80-65-125/1,1	50.0	16.77	4.4	1750	0.80	1.1	74	120	2.7
NLF80-65-160/3	60.0	20.12	11.4	1750	2.41	3	77	174	2.6
NLF80-65-160/3A	56.9	19.08	9.8	1750	2.02	3	75	165	2.6
NLF80-65-160/2,2	53.5	17.92	8.6	1750	1.69	2.2	74	155	2.6
NLF80-65-160/2,2A	50.0	16.76	7.6	1750	1.43	2.2	72	145	2.6
NLF80-65-160/1,5	46.6	15.61	6.6	1750	1.19	1.5	70	135	2.6
NLF80-65-160/1,5A	43.1	14.45	5.5	1750	0.97	1.5	67	125	2.6
NLF80-65-200/5,5	66.0	22.12	18.1	1750	4.50	5.5	72	214	2.1
NLF80-65-200/5,5A	63.2	21.19	16.2	1750	3.86	5.5	72	205	2.1
NLF80-65-200/5,5B	60.1	20.15	14.6	1750	60.1	20.15	14.6	195	2.1
NLF80-65-200/4	57.0	19.12	13.2	1750	2.88	4	71	185	2.1
NLF80-65-200/3	53.9	18.08	11.4	1750	2.42	3	69	175	2.1
NLF80-65-200/3A	50.9	17.05	9.9	1750	2.08	3	66	165	2.1
NLF80-65-250/11	72.0	24.14	31.6	1750	8.43	11	73.5	264	3
NLF80-65-250/11A	72.0	24.14	31.6	1750	8.43	11	73.5	255	3
NLF80-65-250/7,5	69.6	23.32	29.4	1750	7.63	11	73	245	3
NLF80-65-250/7,5A	66.8	22.41	27.1	1750	6.80	7.5</			

## Models 4 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF100-80-200/11	114.0	38.22	19.1	1750	7.27	11	81.5	214	2.4
NLF100-80-200/7,5	109.2	36.61	16.9	1750	6.20	7.5	81	205	2.4
NLF100-80-200/7,5A	103.9	34.83	14.7	1750	5.20	7.5	80	195	2.4
NLF100-80-200/5,5	98.6	33.04	12.8	1750	4.41	5.5	78	185	2.4
NLF100-80-200/5,5A	93.2	31.25	10.9	1750	3.70	5.5	75	175	2.4
NLF100-80-200/4	87.9	29.47	9.3	1750	3.10	4	72	165	2.4
NLF100-80-250/15	114.0	38.22	28.4	1750	11.75	15	75	264	2.4
NLF100-80-250/15A	110.1	36.92	26.1	1750	10.86	15	72	255	2.4
NLF100-80-250/11	105.8	35.47	23.7	1750	9.24	11	74	245	2.4
NLF100-80-250/11A	101.5	34.02	21.4	1750	8.10	11	73	235	2.4
NLF100-80-250/11B	97.2	32.57	19.2	1750	6.97	11	73	225	2.4
NLF100-80-250/7,5	92.8	31.13	17.3	1750	6.08	7.5	72	215	2.4
NLF100-80-250/7,5A	88.5	29.68	15.6	1750	5.33	7.5	70.5	205	2.4
NLF100-80-315/30	144.8	40.23	47.0	1750	24.73	30	75	329	2.6
NLF100-80-315/30A	138.7	38.52	42.5	1750	21.41	30	75	315	2.6
NLF100-80-315/22	132.1	36.69	37.9	1750	18.40	22	74	300	2.6
NLF100-80-315/18,5	125.5	34.85	33.2	1750	15.54	18.5	73	285	2.6
NLF100-80-315/15	118.9	33.02	29.4	1750	13.50	15	70.5	300	2.6
NLF100-80-315/15A	112.3	31.18	26.2	1750	11.38	15	70.4	285	2.6
NLF100-80-400/55	144.8	40.23	69.6	1750	44.14	55	62.2	409	2.3
NLF100-80-400/45	139.9	38.86	64.4	1750	39.48	45	62.1	395	3.2
NLF100-80-400/45B	134.6	37.38	58.6	1750	35.16	45	61	380	3
NLF100-80-400/37	129.3	35.90	53.5	1750	31.35	37	60	365	2.8
NLF100-80-400/30	123.9	34.43	48.5	1750	27.65	30	59.2	350	2.8
NLF100-80-400/30A	118.6	32.95	44.3	1750	24.36	30	58.7	335	2.8
NLF100-80-400/30B	113.3	31.48	40.5	1750	21.80	30	57.3	320	2.8
NLF125-100-160/7,5	182.5	50.69	8.4	1750	5.33	7.5	78	176	2.7
NLF125-100-160/5,5	174.2	48.39	7.0	1750	4.48	5.5	74	165	2.7
NLF125-100-160/5,5A	163.8	45.51	5.8	1750	3.71	5.5	70	155	2.7
NLF125-100-160/4	150.3	41.76	5.1	1750	3.02	4	69	145	2.7
NLF125-100-200/15	205.6	57.12	16.2	1750	11.91	15	76	214	2.2
NLF125-100-200/15A	197.0	54.72	14.3	1750	10.14	15	75.5	205	2.2
NLF125-100-200/11	187.4	52.05	12.1	1750	8.33	11	74	195	2.2
NLF125-100-200/11A	177.8	49.38	10.3	1750	7.05	11	71	185	2.2
NLF125-100-200/7,5	168.2	46.71	8.3	1750	5.59	7.5	68	175	2.2
NLF125-100-200/5,5A	158.5	44.04	6.6	1750	4.56	5.5	62	165	2.2
NLF125-100-250/30	214.3	59.54	28.5	1750	22.21	30	75	264	2.3
NLF125-100-250/30A	207.0	57.51	26.2	1750	20.10	30	73.5	255	2.3
NLF125-100-250/22	198.9	55.25	24.2	1750	17.95	22	73	245	2.3

## Models 4 Pole

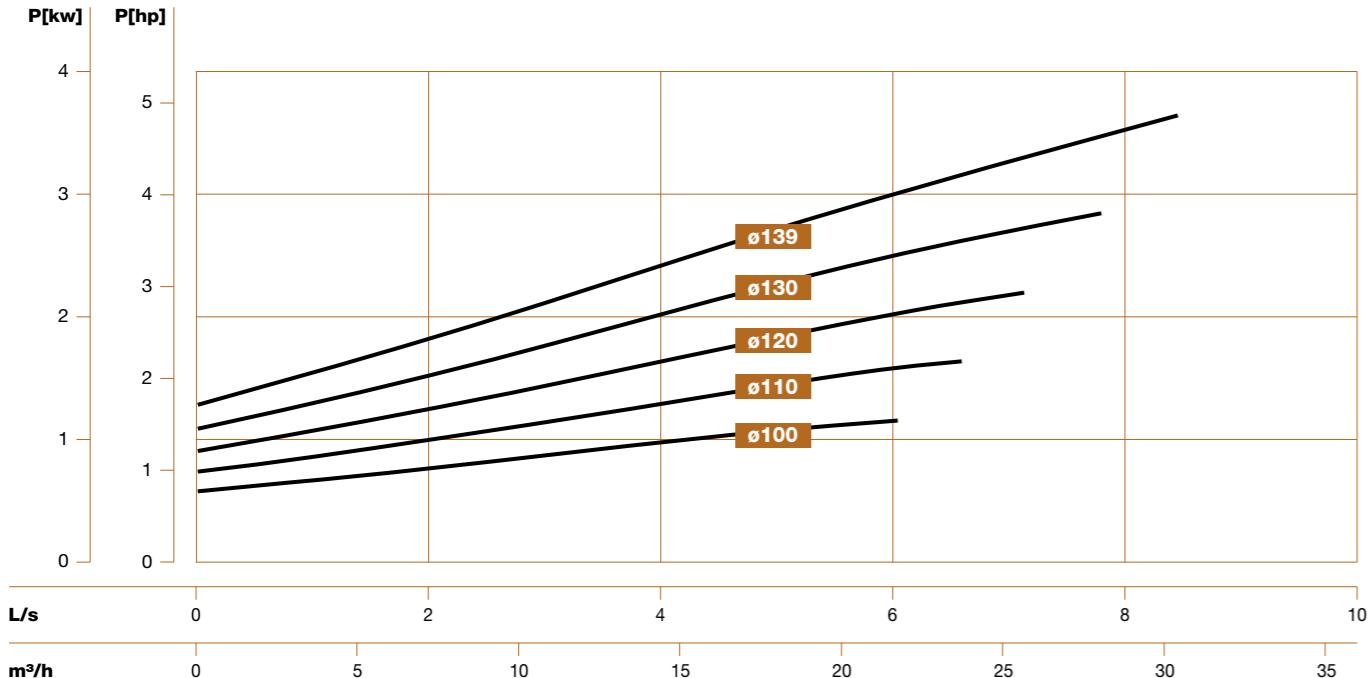
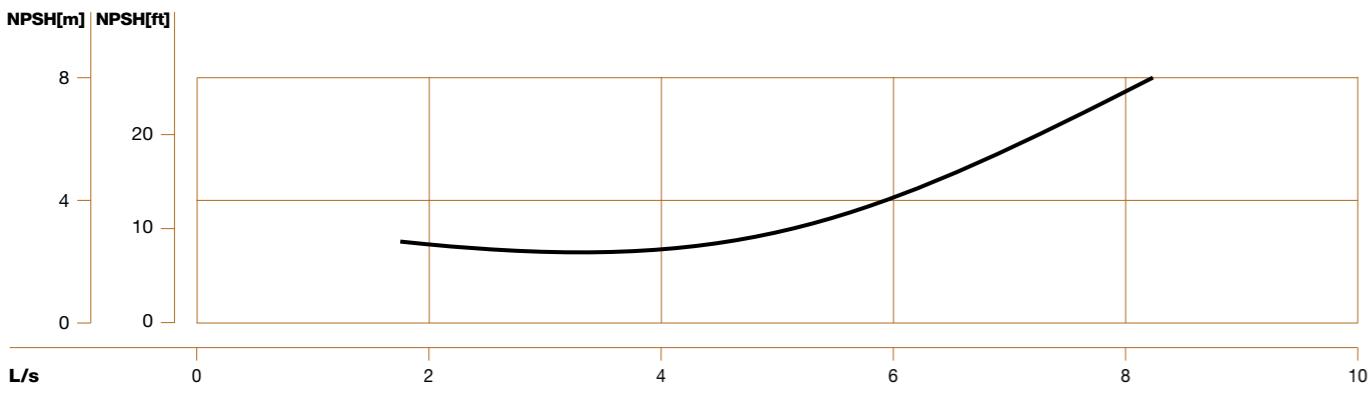
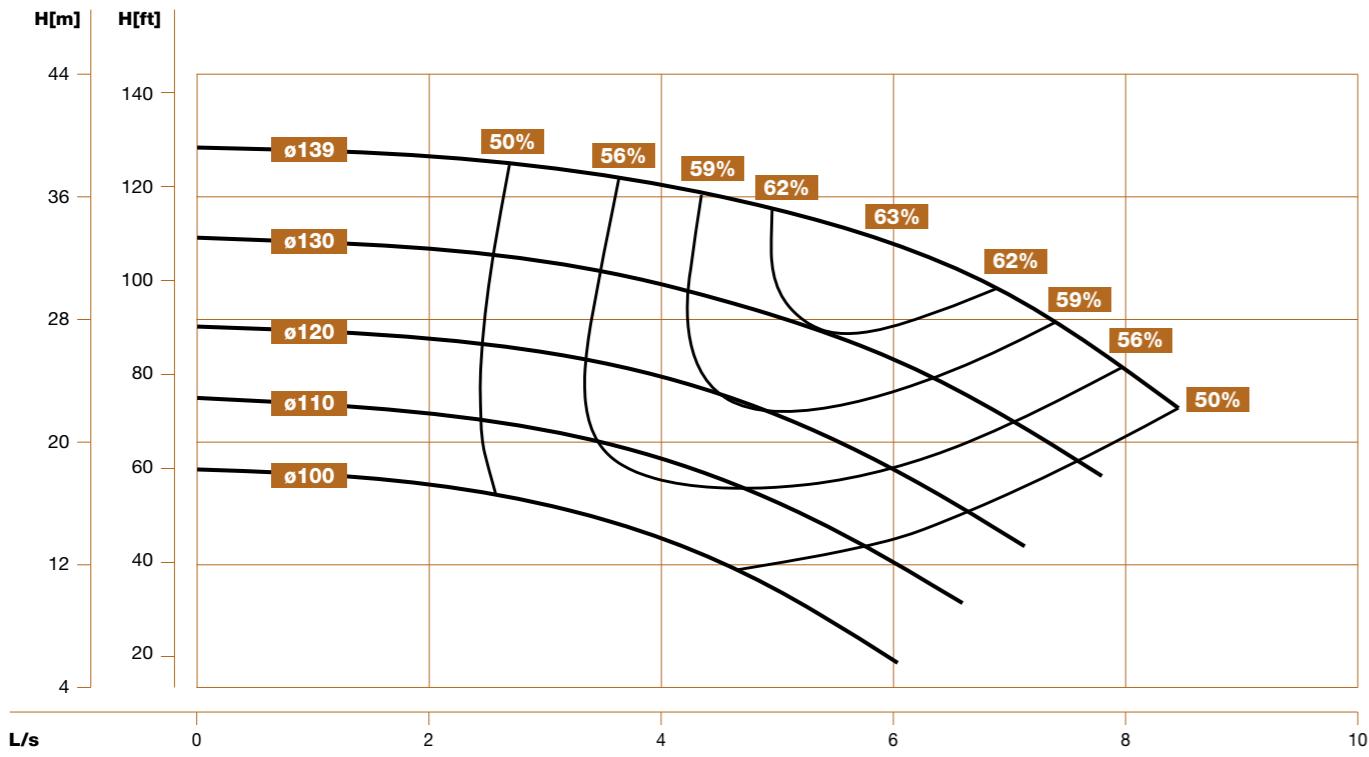
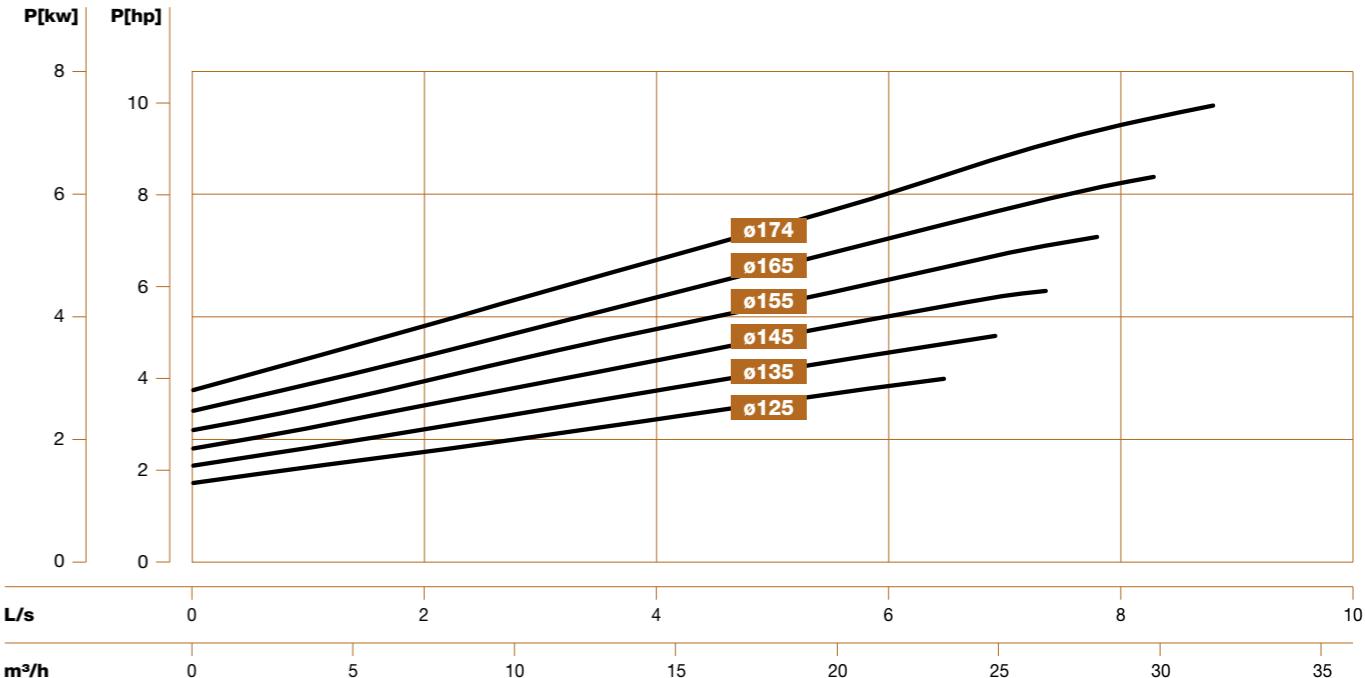
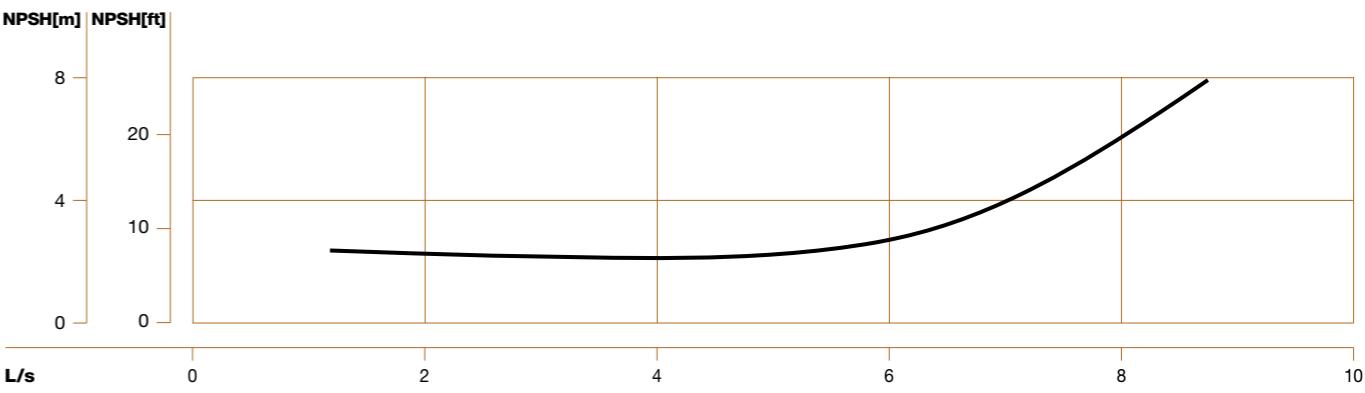
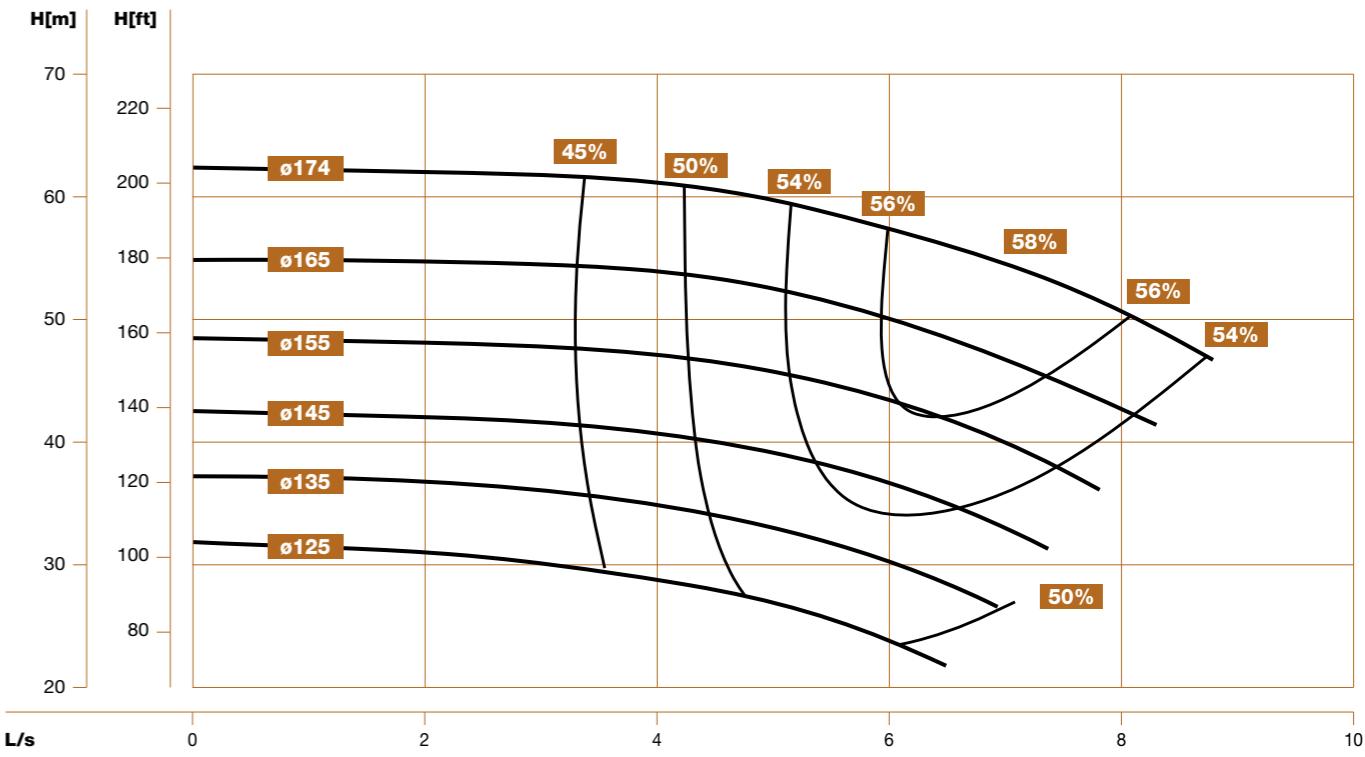
Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF125-100-250/18,5	190.8	53.00	21.7	1750	15.88	18.5	71	235	2.3
NLF125-100-250/15	182.7	50.74	19.2	1750	13.86	15	69	225	2.3
NLF125-100-250/15A	174.6	48.49	16.8	1750	11.62	15	68.5	215	2.3
NLF125-100-250/15B	166.4	46.23	14.6	1750	10.31	15	64	205	2.3
NLF125-100-315/37	195.5	54.31	49.8	1750	34.43	37	77	264	3.4
NLF125-100-315/37A	187.2	52.00	44.4	1750	29.79	37	76	255	3.4
NLF125-100-315/30	178.3	49.52	39.3	1750	26.15	30	73	235	3.4
NLF125-100-315/30A	169.4	47.05	34.8	1750	22.45	30	71.5	225	3.4
NLF125-100-315/22	160.5	44.57	30.2	1750	19.09	22	69	215	3.4
NLF125-100-315/22A	151.5	42.09	25.5	1750	16.18	22	65	205	3.4
NLF125-100-400/75	219.0	60.83	71.4	1750	61.66	75	69	409	4.1
NLF125-100-400/75A	211.5	58.75	65.5	1750	55.49	75	68	395	4.1
NLF125-100-400/55	203.5	56.51	60.0	1750	48.88	55	68	380	4.1
NLF125-100-400/55A	195.4	54.28	54.6	1750	43.37	55	67	365	4.1
NLF125-100-400/45	187.4	52.05	49.5	1750	38.87	45	65	350	4.1
NLF125-100-400/37	179.4	49.82	45.2	1750	34.45	37	64	335	4.1
NLF125-100-400/37A	171.3	47.59	39.3	1750	29.58	37	62	320	4.1
NLF150-125-200/18,5	276.3	76.76	17.0	1750	16.33	18.5	78.5	214	1.85
NLF150-125-200/15	264.7	73.53	14.4	1750	13.67	15	76	205	1.85
NLF150-125-200/15A	251.8	69.94	11.8	1750	11.23	15	72	195	1.85
NLF150-125-200/11	238.9	66.36	9.2	1750	9.04	11	66	185	1.85
NLF150-125-250/37	347.6	96.56	29.9	1750	33.44	37	84.5	264	3.3
NLF150-125-250/37A	335.8	93.27	26.7	1					

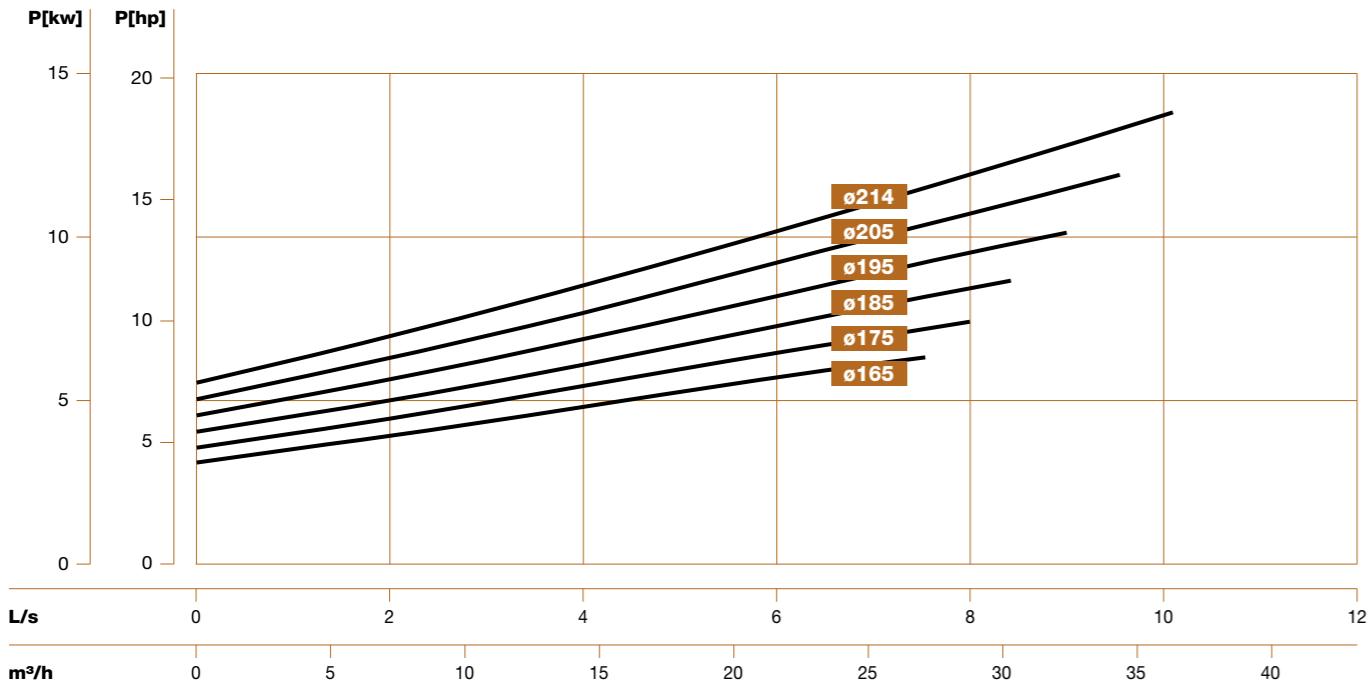
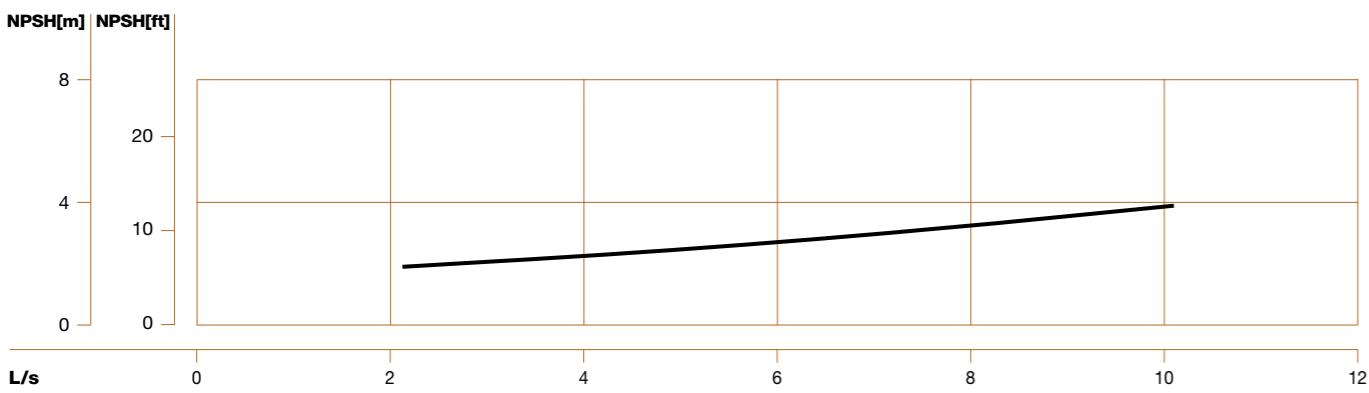
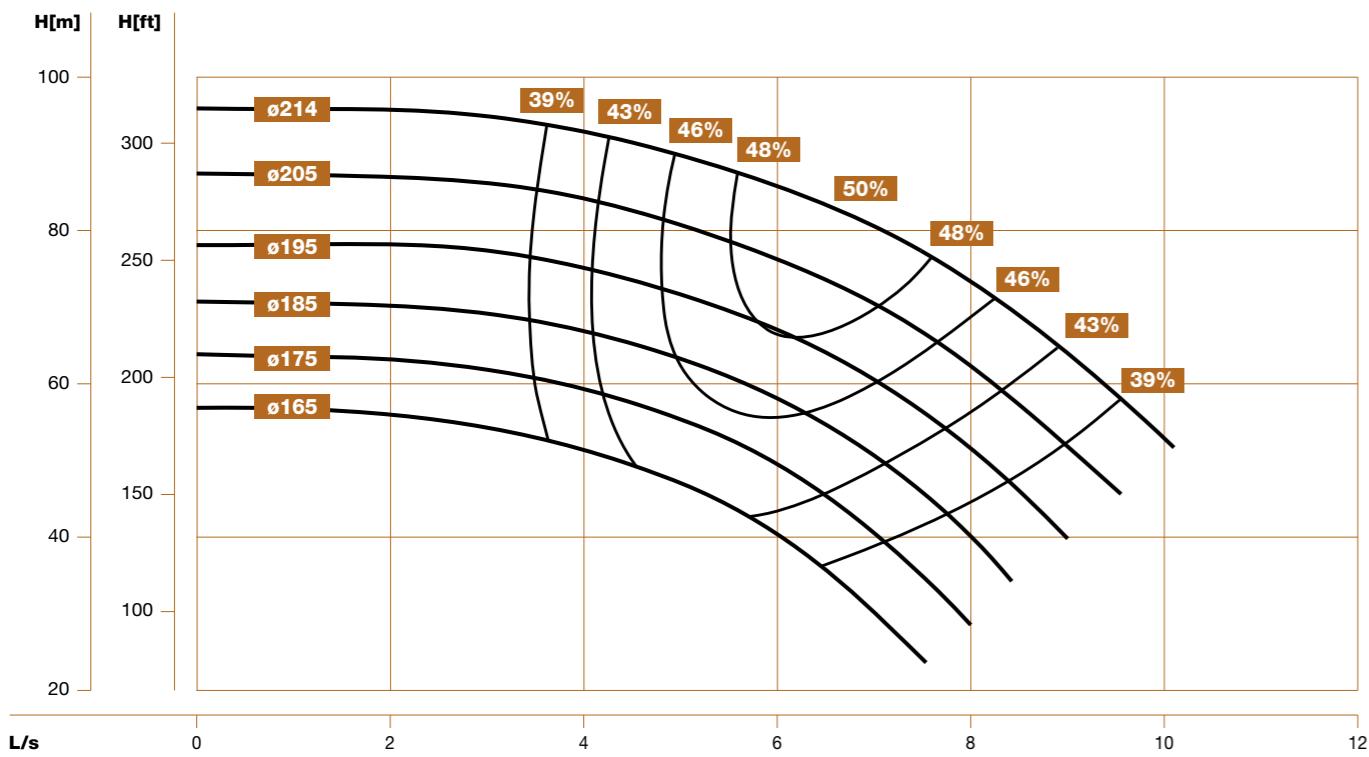
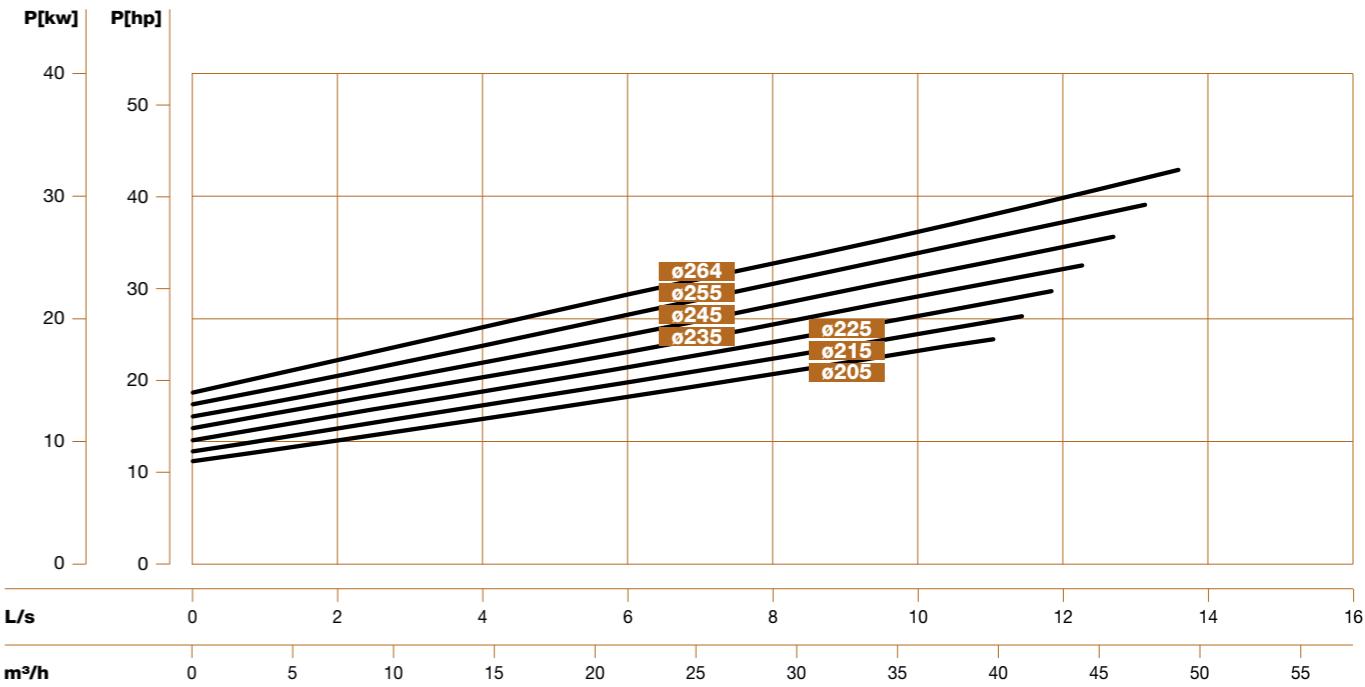
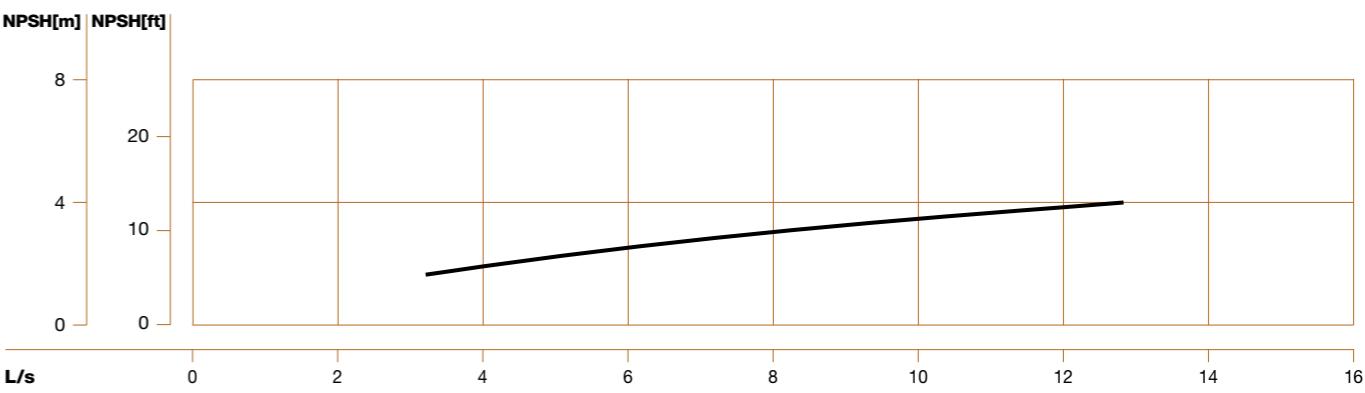
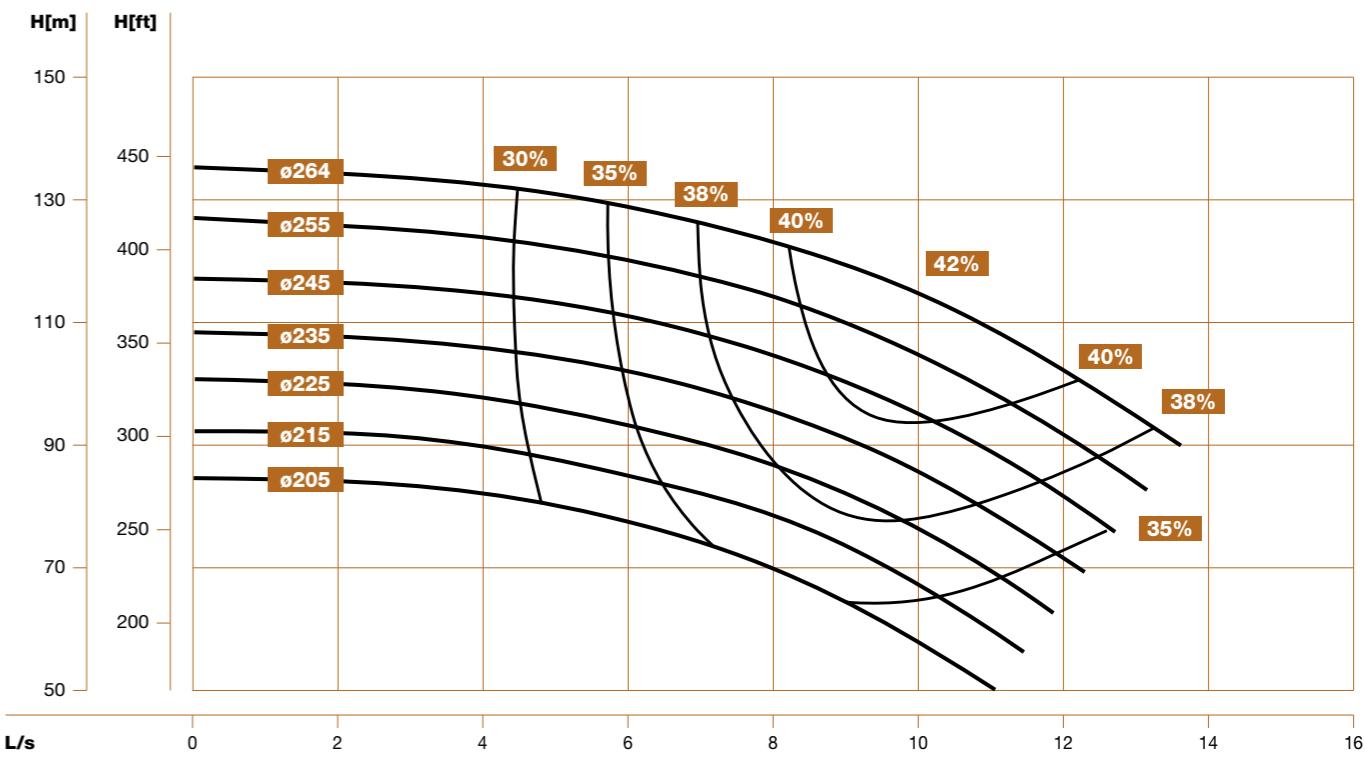
## Models 4 Pole

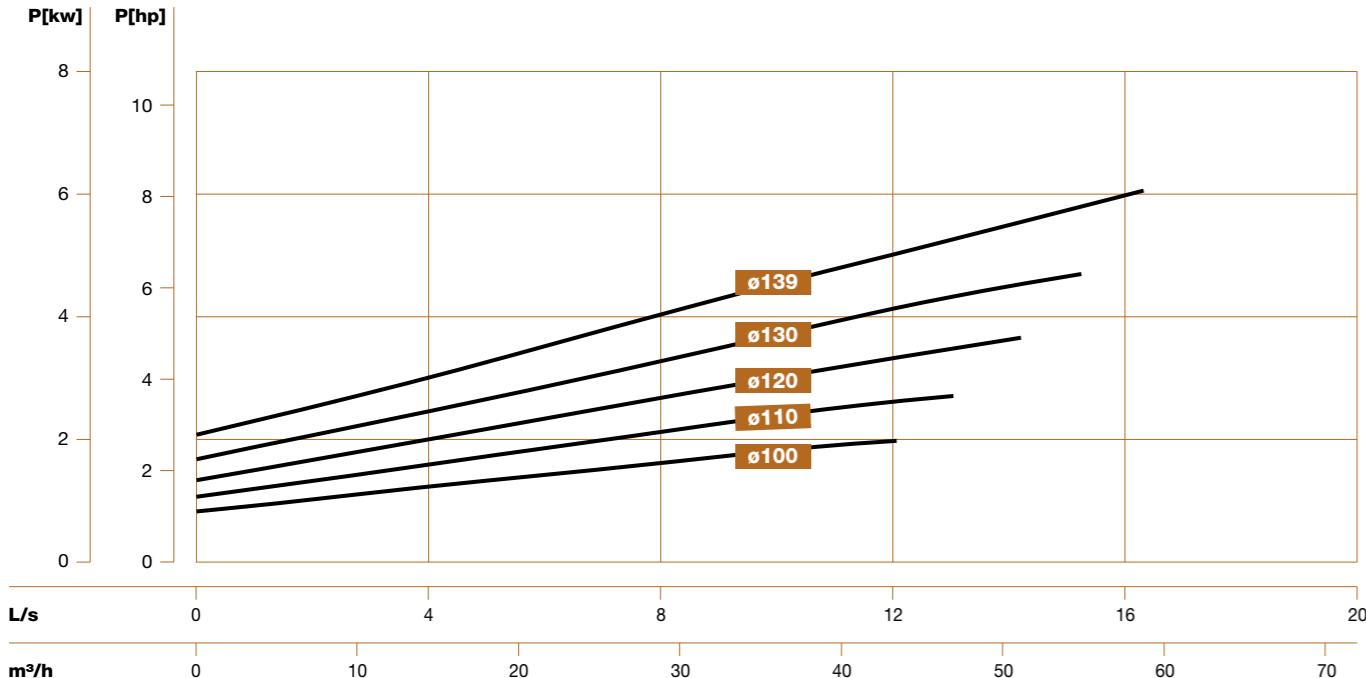
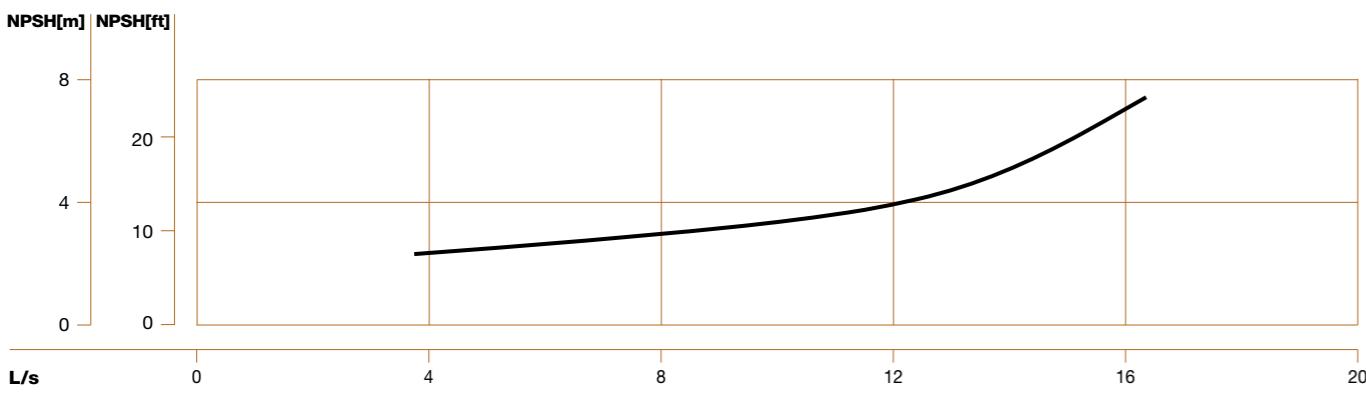
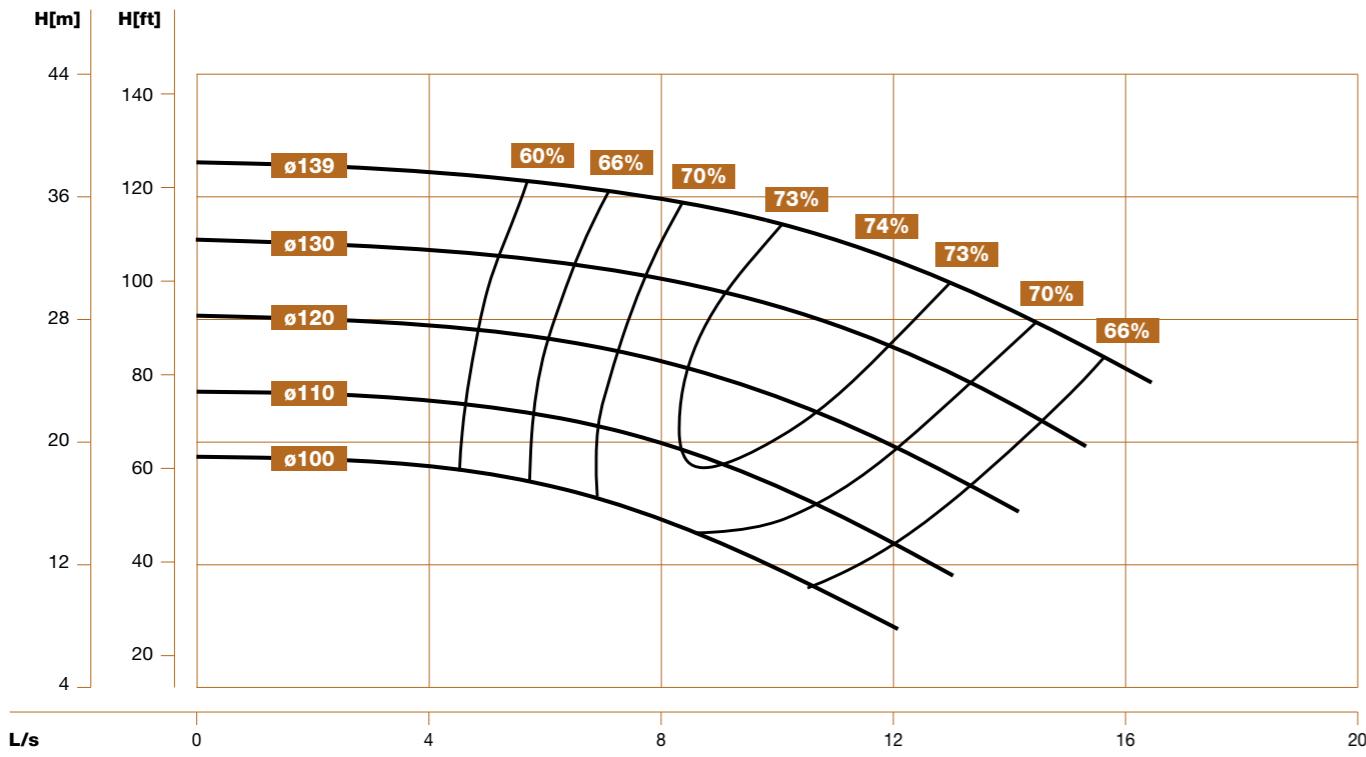
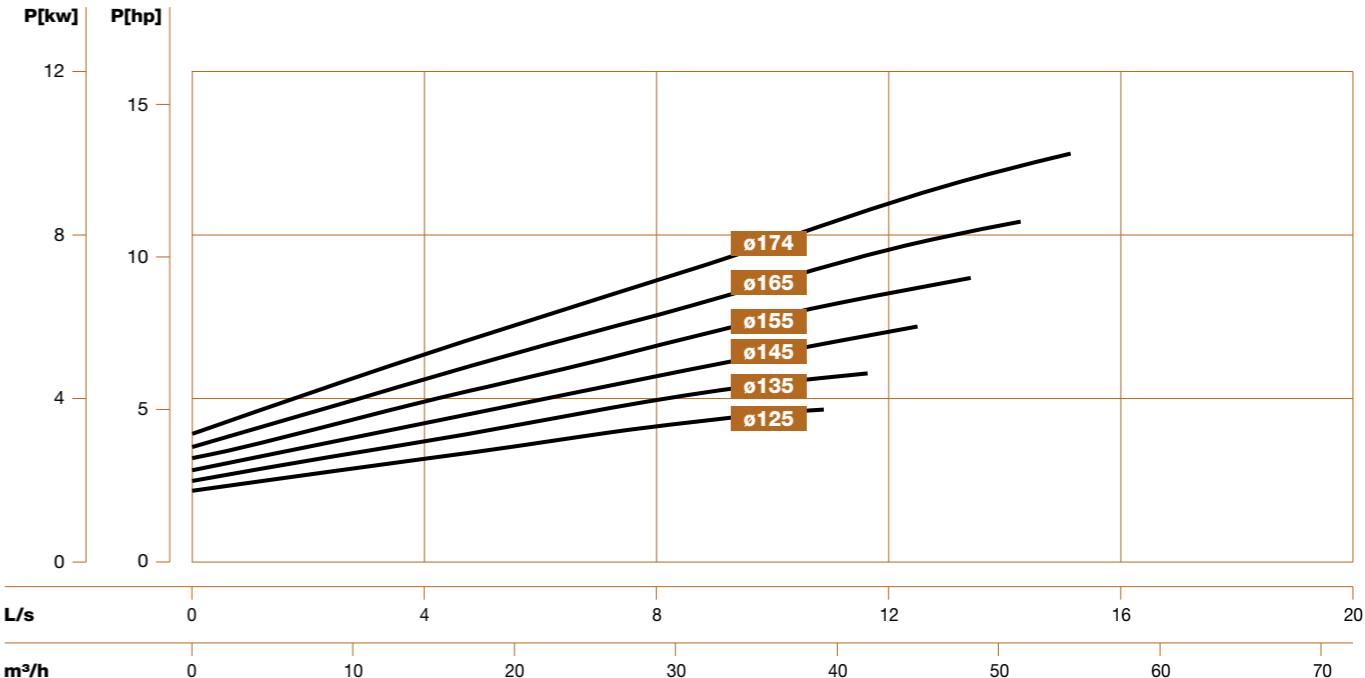
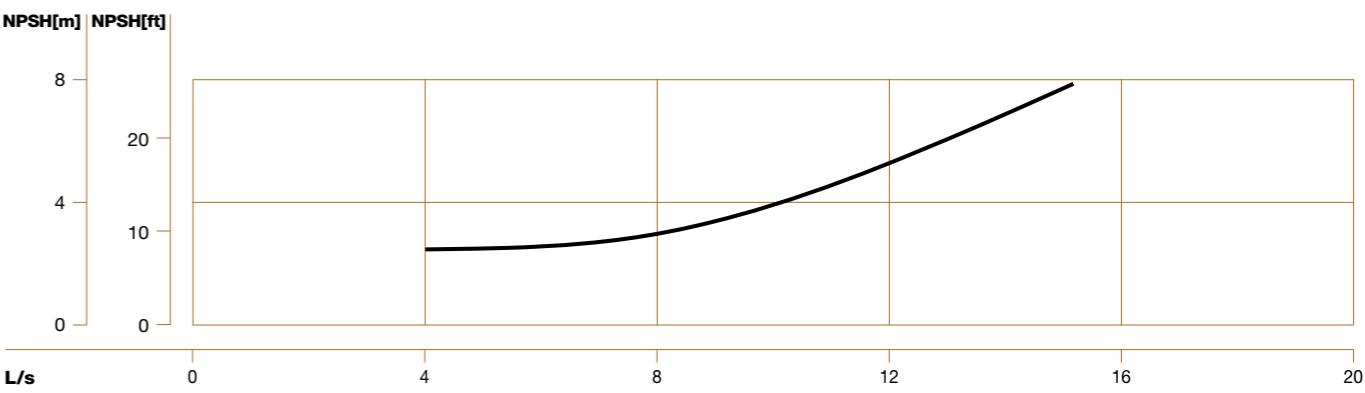
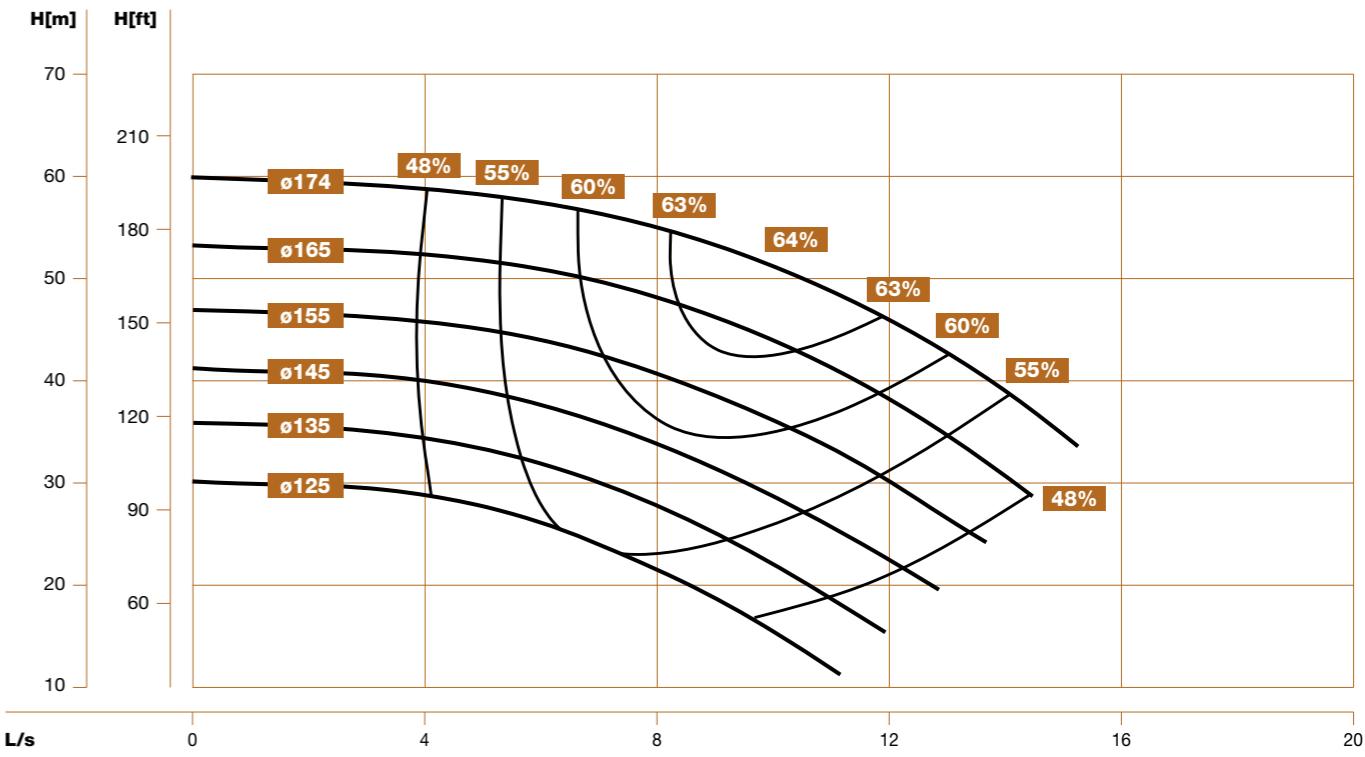
Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF150-125-400/75B	290.6	80.72	43.8	1750	51.77	75	67	335	4
NLF150-125-400/55	277.6	77.11	39.3	1750	45.72	55	65	320	4
NLF200-150-200/30	521.4	144.83	15.4	1750	29.03	30	75.5	214	4
NLF200-150-200/30A	499.5	138.74	13.4	1750	24.96	30	73	205	4
NLF200-150-200/30B	475.1	131.97	11.4	1750	20.99	30	70	195	4
NLF200-150-200/22	450.7	125.20	9.6	1750	18.15	22	65	185	4
NLF200-150-200/18,5	426.4	118.43	7.7	1750	15.19	18.5	59	175	4
NLF200-150-250/55	469.2	130.35	26.1	1750	44.41	55	75	264	4
NLF200-150-250/45	453.2	125.90	22.7	1750	38.94	45	72	255	4
NLF200-150-250/37	435.5	120.96	19.5	1750	34.03	37	68	245	4
NLF200-150-250/37A	417.7	116.03	16.3	1750	28.98	37	64	235	4
NLF200-150-250/30	399.9	111.09	13.5	1750	25.00	30	59	225	4
NLF200-150-250/30A	382.1	106.15	10.3	1750	21.10	30	51	215	4
NLF200-150-315/90	535.9	148.85	45.4	1750	78.92	90	84	329	4
NLF200-150-315/75	513.1	142.52	39.5	1750	67.65	75	81.5	315	4
NLF200-150-315/75A	488.6	135.73	34.1	1750	57.39	75	79	300	4
NLF200-150-315/55	464.2	128.95	28.7	1750	47.71	55	76	285	4
NLF200-150-315/45	439.8	122.16	24.0	1750	39.41	45	73	270	4
NLF200-150-315/37	415.3	115.37	18.9	1750	31.03	37	69	255	4
NLF200-150-400/110	518.0	143.90	52.4	1750	97.30	110	76	380	4.6
NLF200-150-400/110A	497.6	138.22	47.8	1750	87.45	110	74	365	4.6
NLF200-150-400/90	477.1	132.54	43.1	1750	74.17	90	75.5	350	4.6
NLF200-150-400/75	456.7	126.86	39.3	1750	67.91	75	72	335	4.6
NLF200-150-400/75A	436.2	121.18	35.5	1750	58.62	75	72	320	4.6
NLF250-200-250/45	625.7	173.79	18.6	1750	41.78	45	76	288	5.5
NLF250-200-250/37	586.6	162.93	15.1	1750	34.07	37	71	270	5.5
NLF250-200-250/30	554.0	153.88	10.9	1750	26.57	30	62	255	5.5
NLF250-200-315/132	912.4	253.45	34.4	1750	108.77	132	78.5	329	4.7
NLF250-200-315/110	873.6	242.66	30.6	1750	94.47	110	77	315	4.7
NLF250-200-315/90	832.0	231.11	29.1	1750	84.05	90	78.5	300	4.7
NLF250-200-315/75	790.4	219.55	24.5	1750	70.20	75	75	285	4.7
NLF250-200-315/75A	748.8	208.00	21.3	1750	59.79	75	72.5	270	4.7
NLF250-200-315/55	707.2	196.44	18.5	1750	50.88	55	70	255	4.7
NLF250-200-400/250	943.7	262.14	68.5	1750	197.61	250	89	409	6.2
NLF250-200-400/250A	911.4	253.17	64.4	1750	181.51	250	88	395	6.2
NLF250-200-400/200	876.8	243.55	59.7	1750	161.98	200	88	380	6.2
NLF250-200-400/160	842.2	233.94	54.8	1750	144.32	160	87	365	6.2
NLF250-200-400/160A	807.6	224.32	48.1	1750	125.80	160	84	350	6.2
NLF250-200-400/132	773.0	214.71	42.2	1750	111.10	132	80	335	6.2

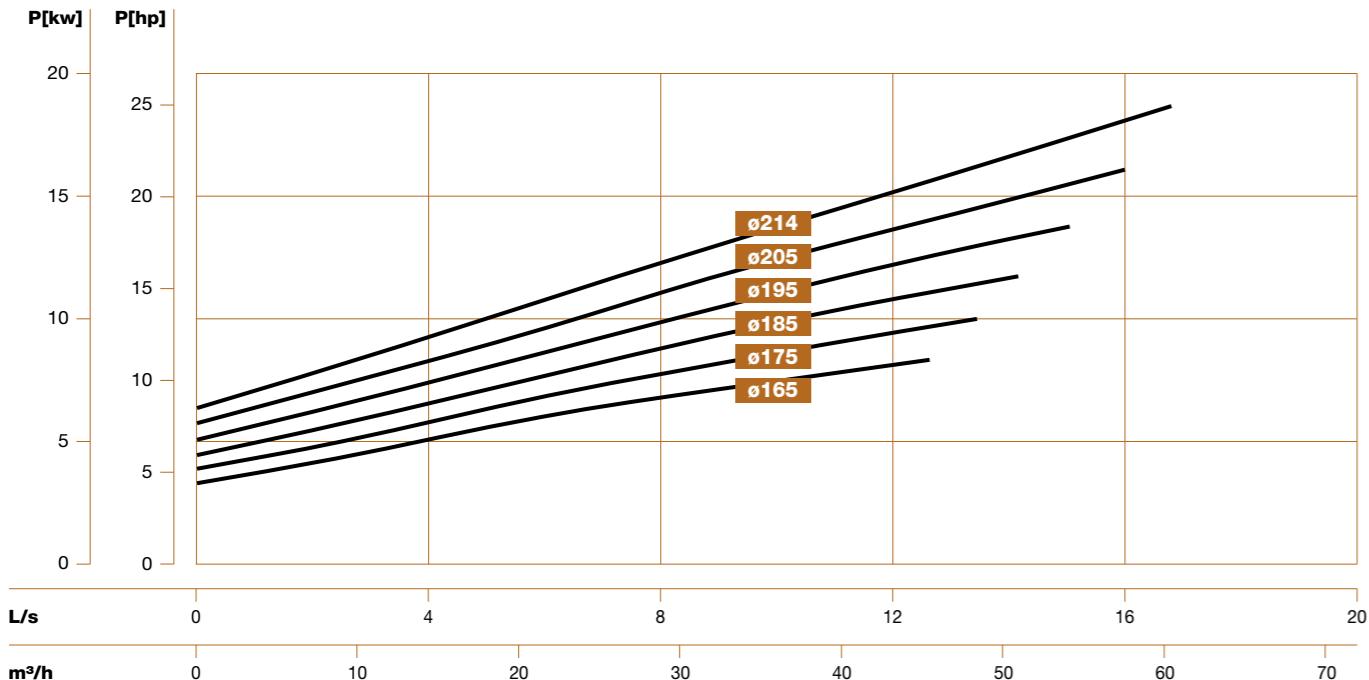
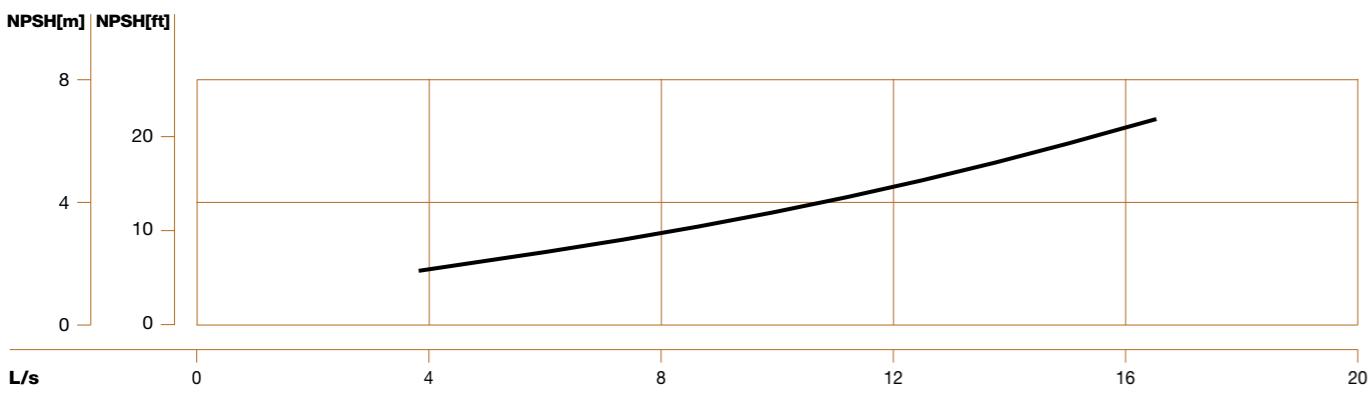
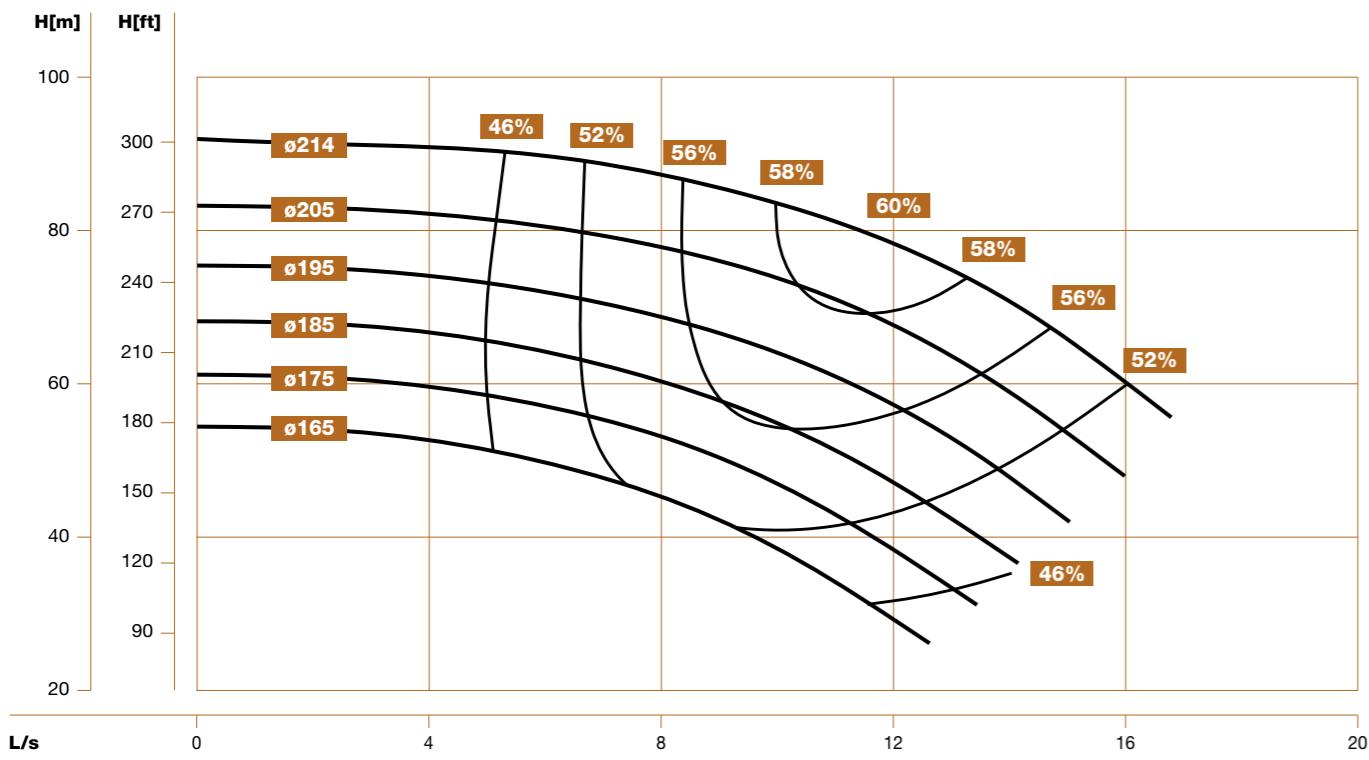
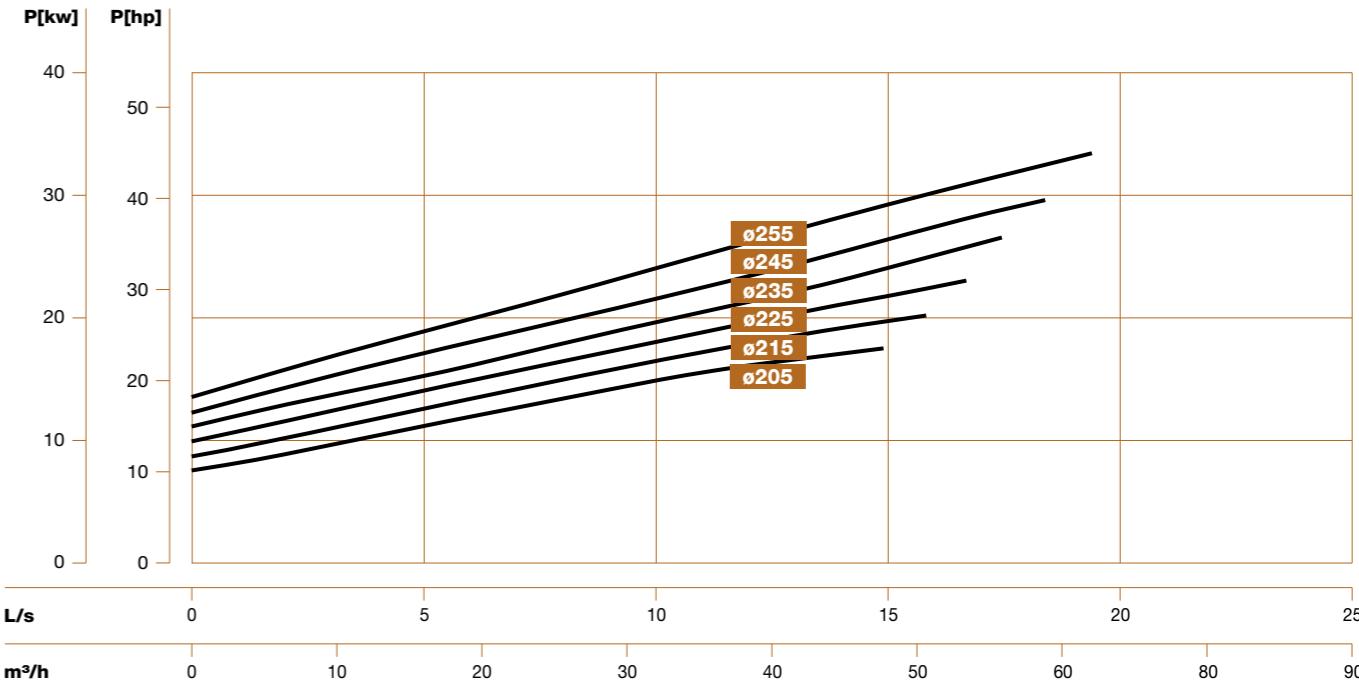
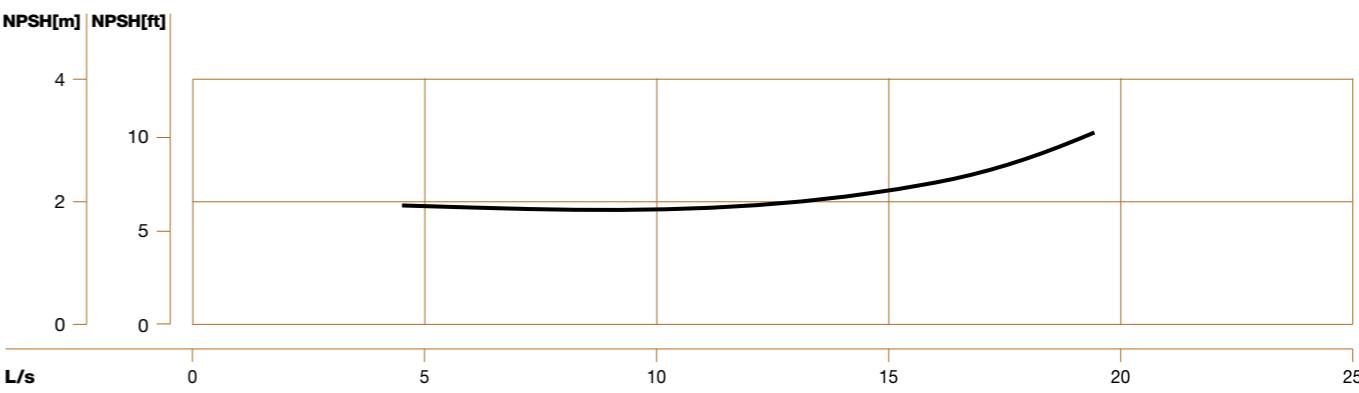
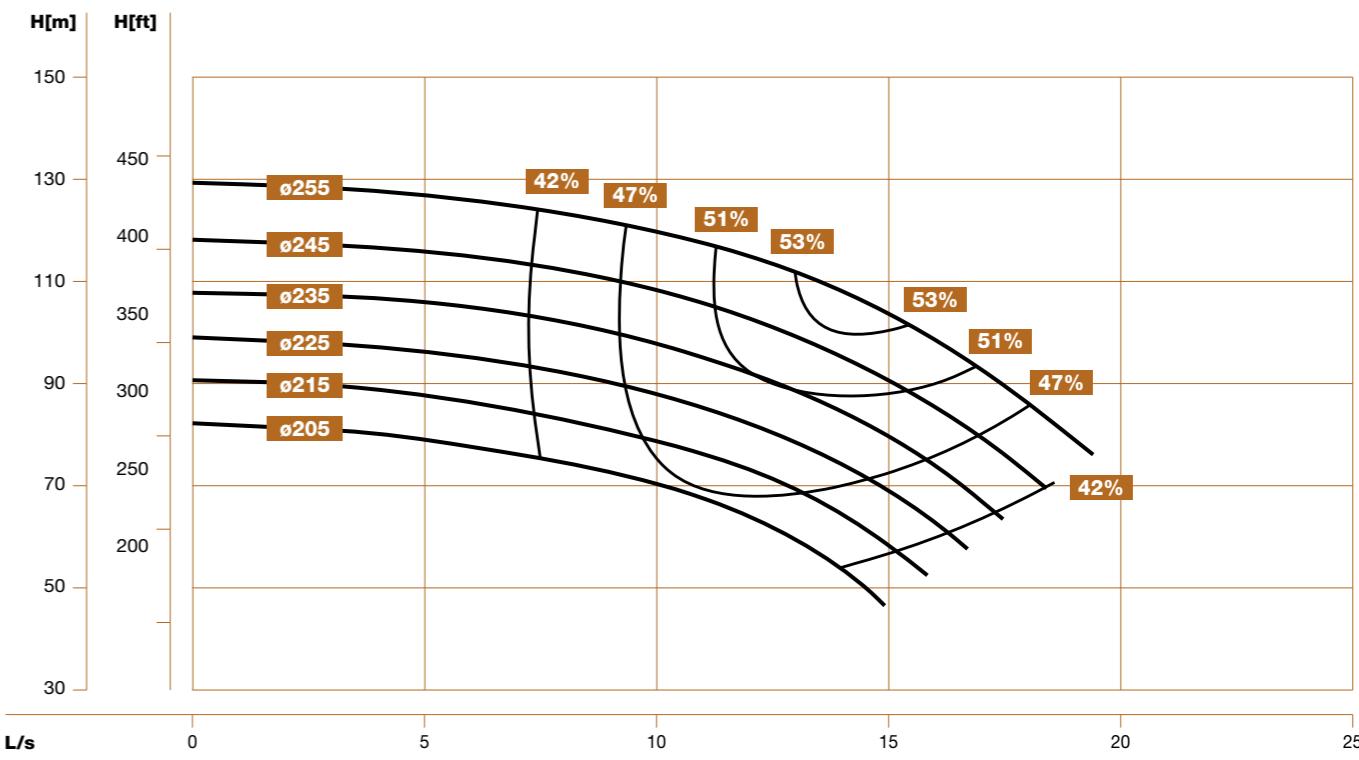
## Models 4 Pole

Reference	Capacity		Head	Speed	Power		Eff	Impeller diameter	(NPSH) r
					Shaft	Motor			
Model	m3/h	L/s	m	r/min	kW	kW	%	mm	Shaft
NLF250-200-400/110	738.3	205.10	37.9	1750	98.86	110	77	320	6.2
NLF300-250-315/160	1190.3	330.64	35.0	1750	134.85	160	84	329	5.9
NLF300-250-315/132	1139.7	316.57	30.6	1750	115.73	132	82	315	5.9
NLF300-250-315/110	1085.4	301.50	26.2	1750	98.06	110	79	300	5.9
NLF300-250-315/110A	1031.1	286.42	22.0	1750	82.32	110	75	285	5.9
NLF300-250-315/75	976.9	271.35	17.5	1750	69.37	75	67	270	5.9
NLF300-250-315/75A	922.6	256.27	12.8	1750	54.56	75	59	255	5.9
NLF300-250-400/200	1139.5	316.53	44.3	1750	171.70	200	80	365	6.2
NLF300-250-400/160	1092.7	303.52	39.6	1750	149.17	160	79	350	6.2
NLF300-250-400/160A	1045.8	290.51	34.7	1750	128.18	160	77	335	6.2
NLF300-250-400/132	999.3	277.59	30.9	1750	110.53	132	76	320	6.2

**NLF50-32-125****3500 rpm****NLF50-32-160****3500 rpm**

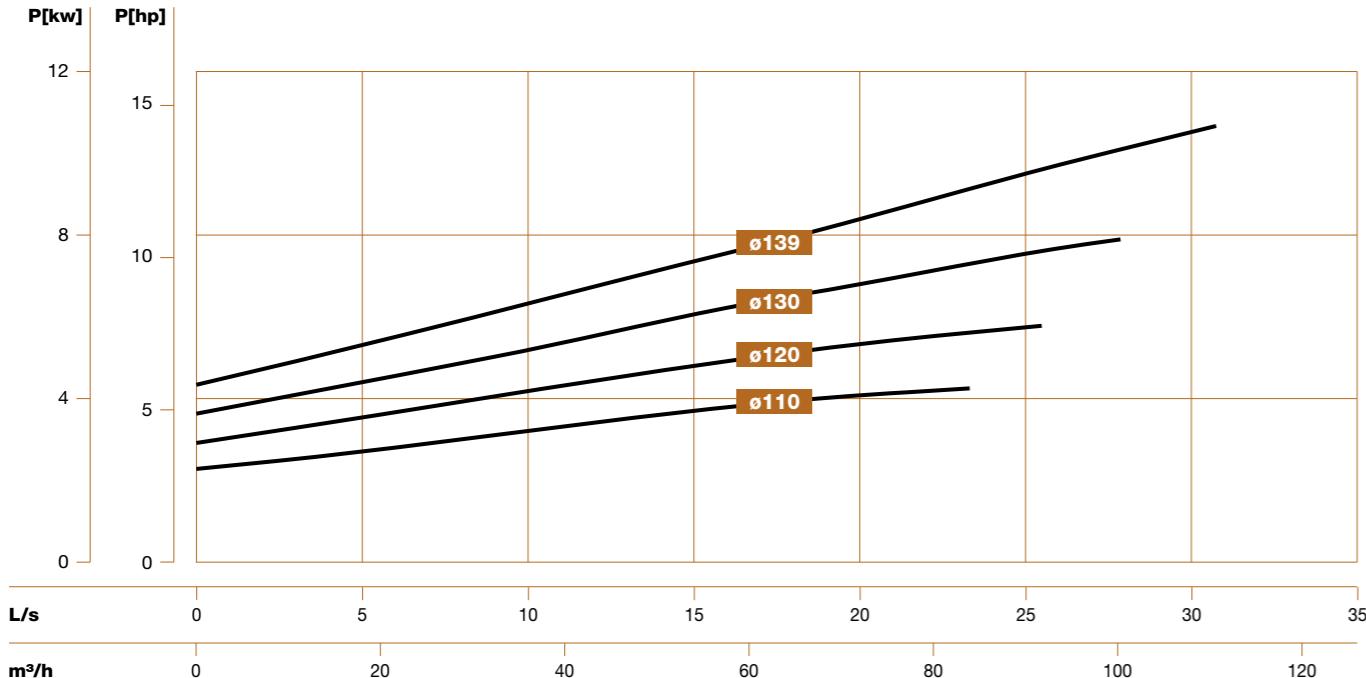
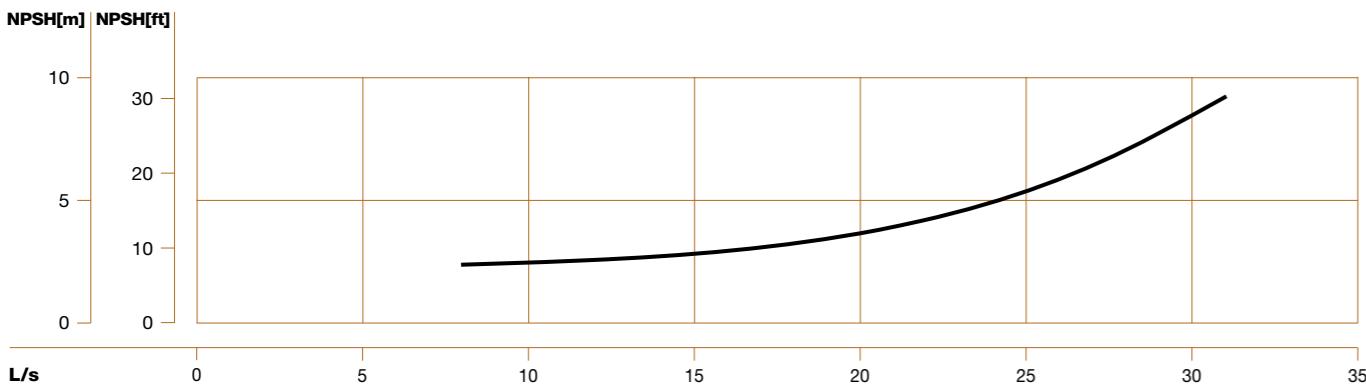
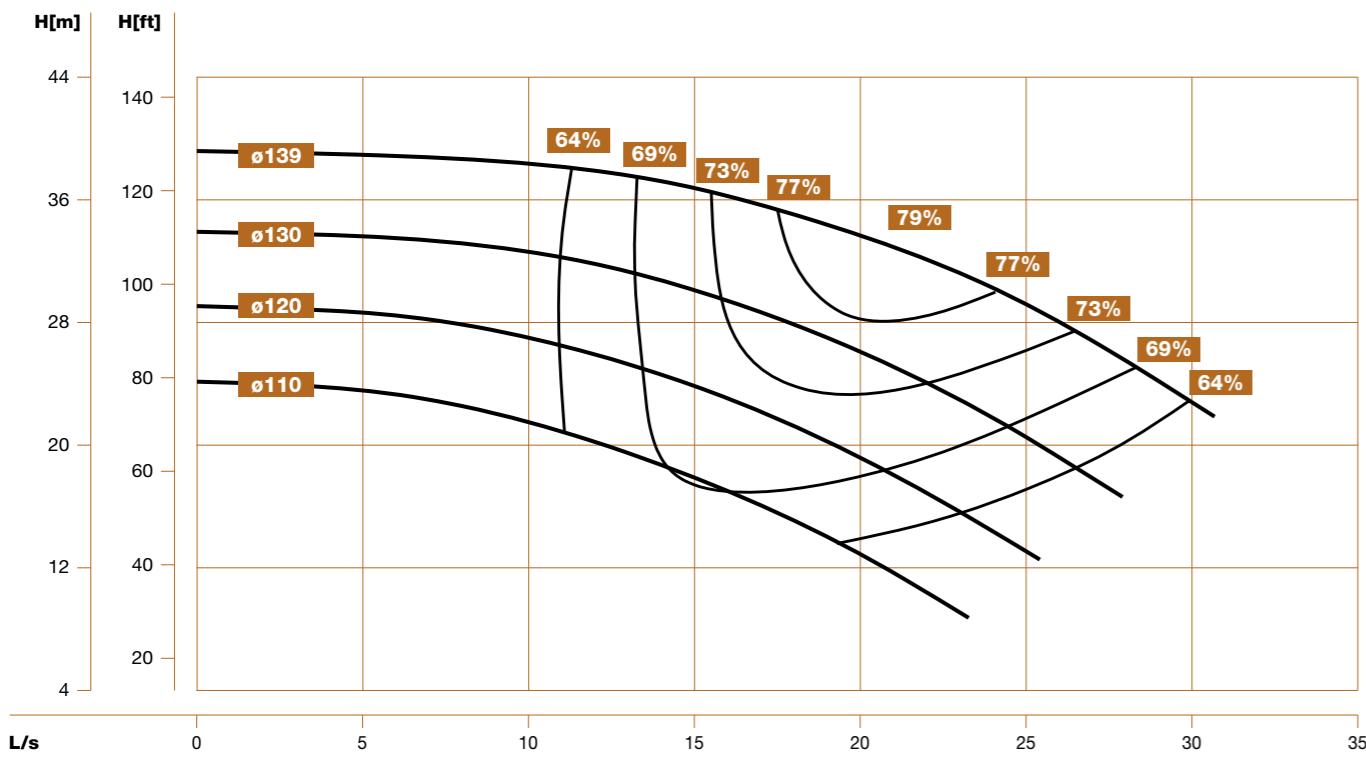
**NLF50-32-200****3500 rpm****NLF50-32-250****3500 rpm**

**NLF65-40-125****3500 rpm****NLF65-40-160****3500 rpm**

**NLF65-40-200****3500 rpm****NLF65-40-250****3500 rpm**

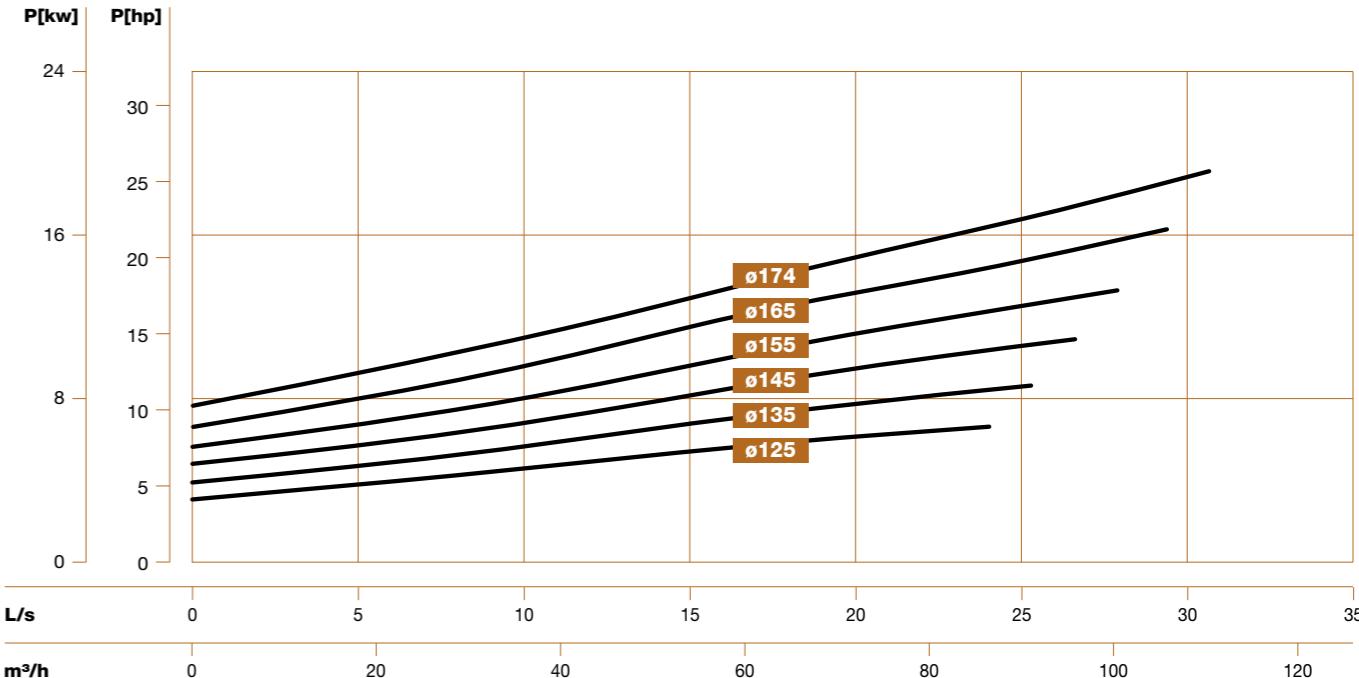
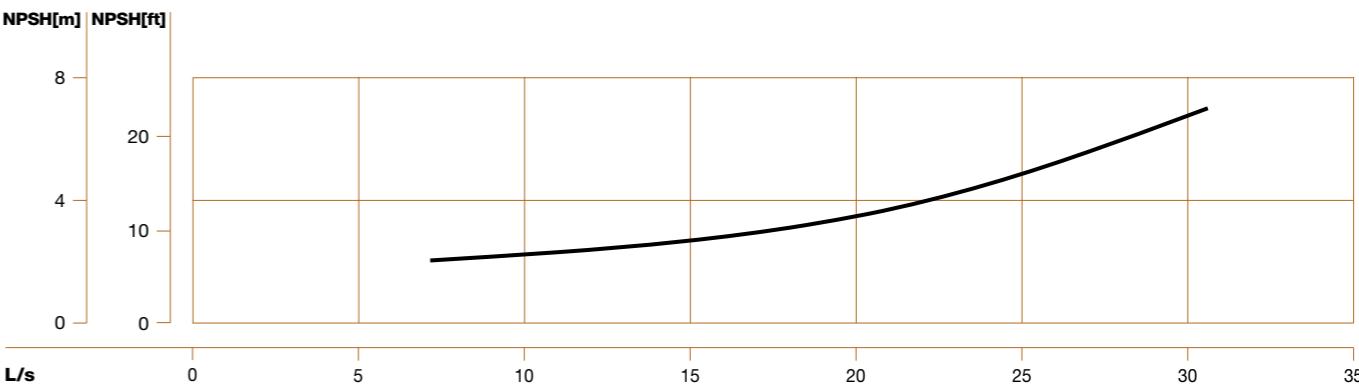
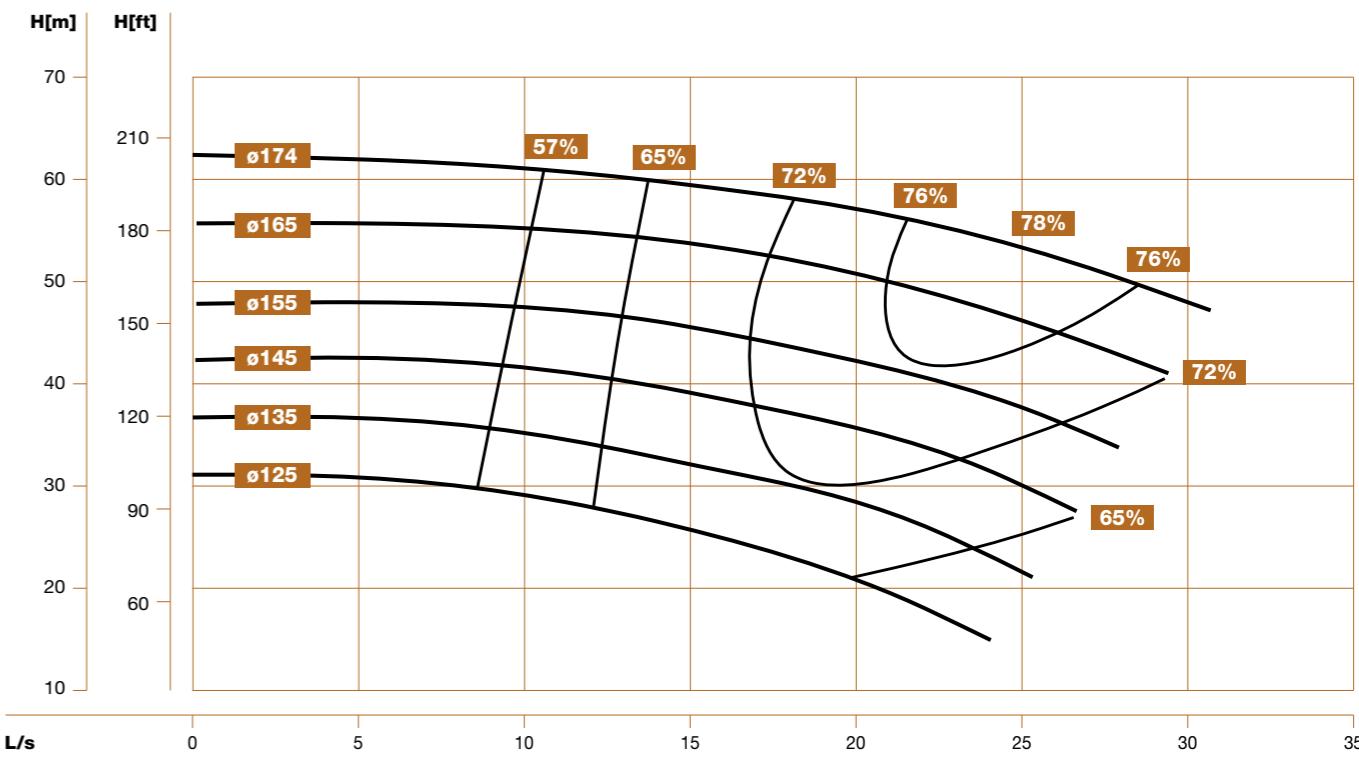
NLF65-50-125

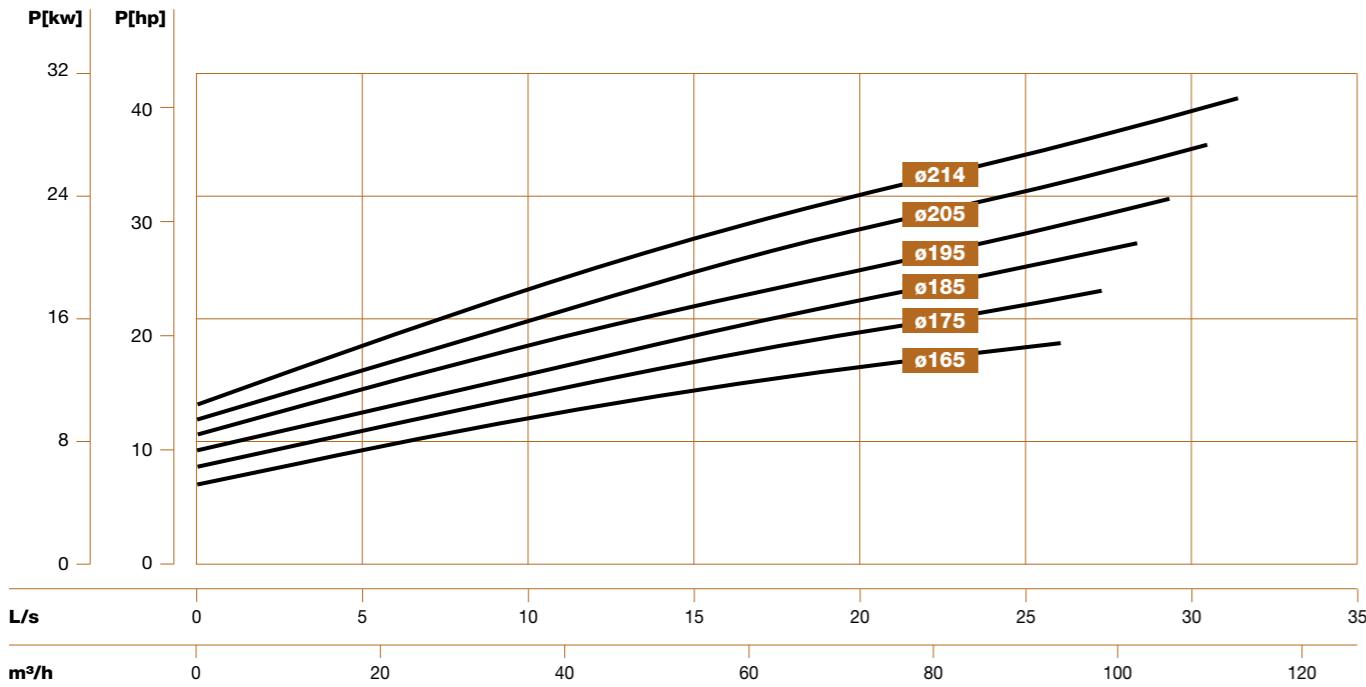
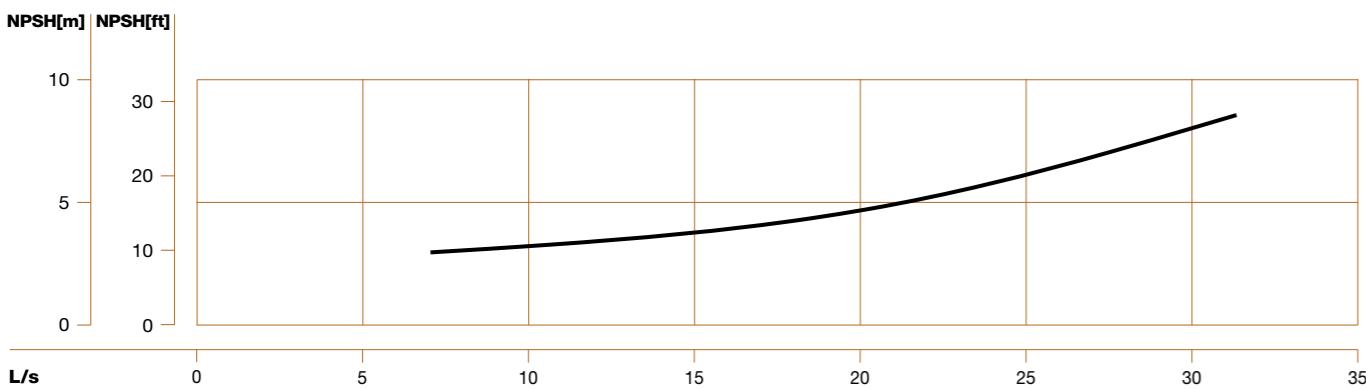
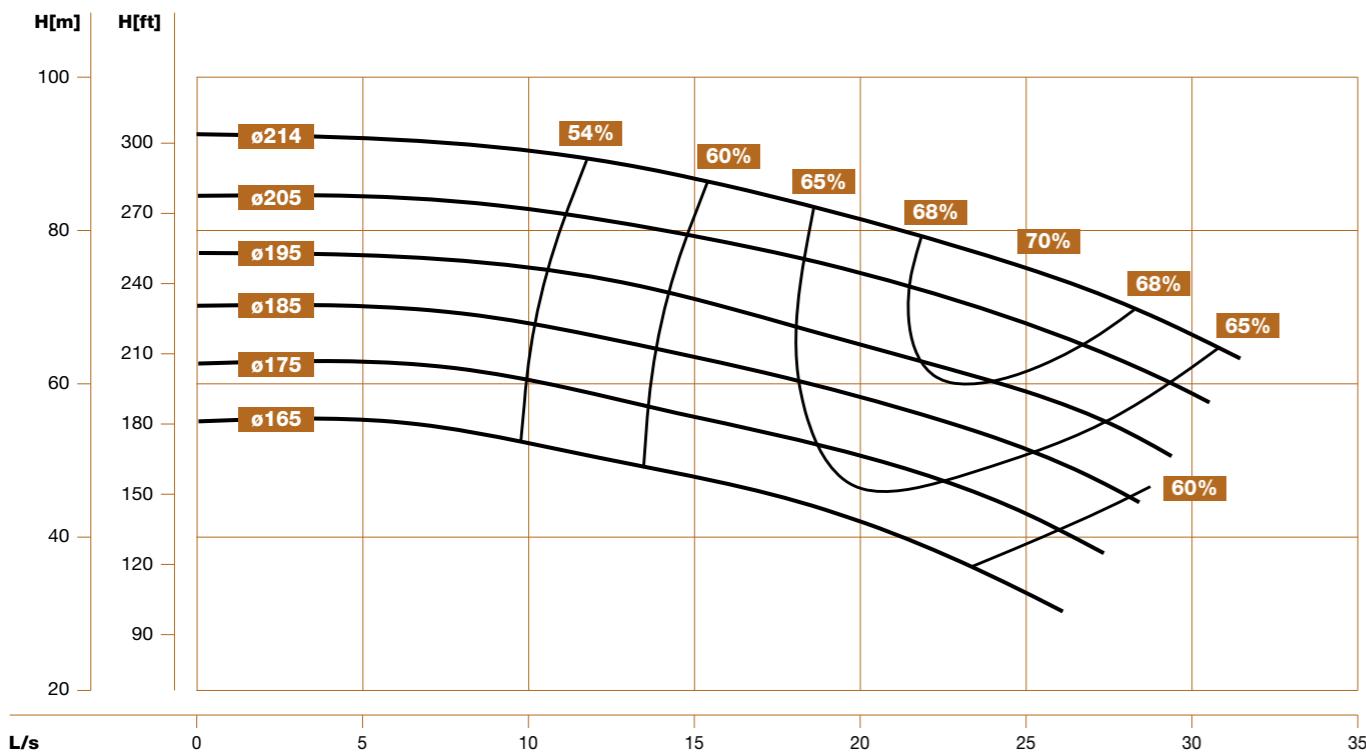
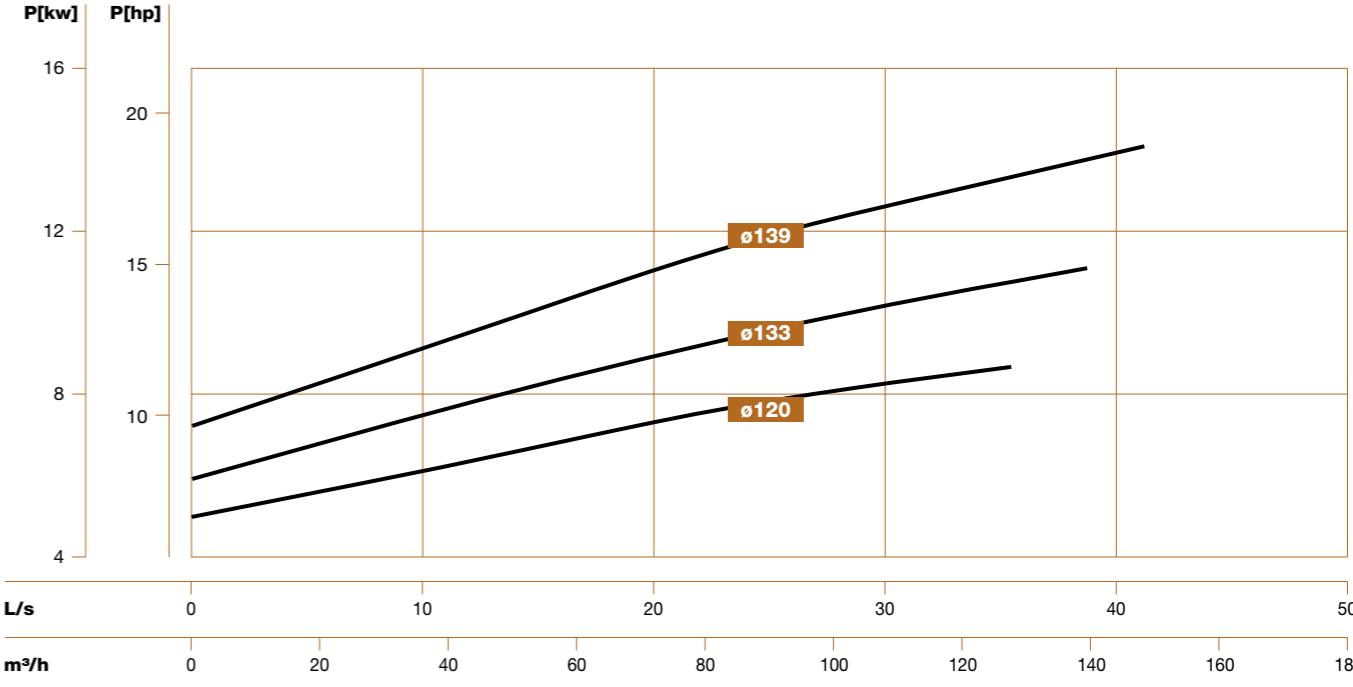
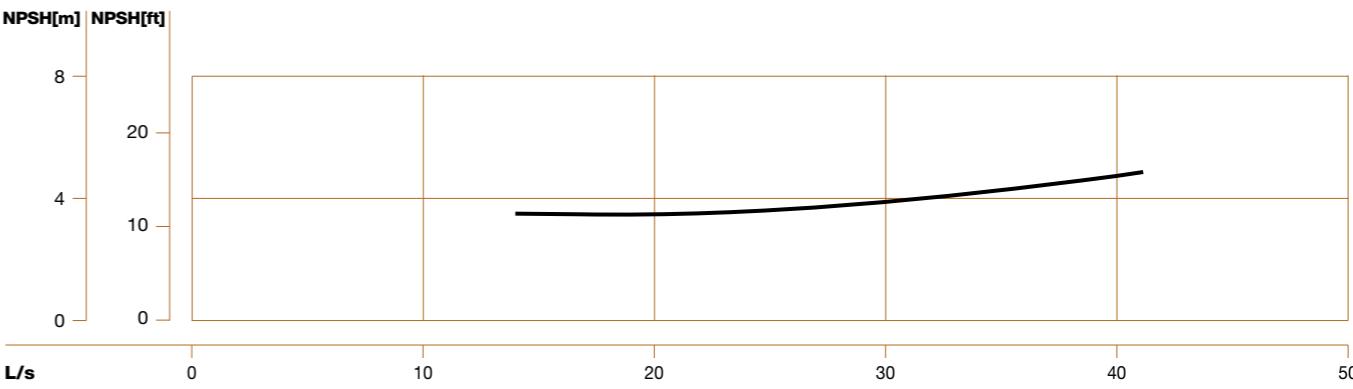
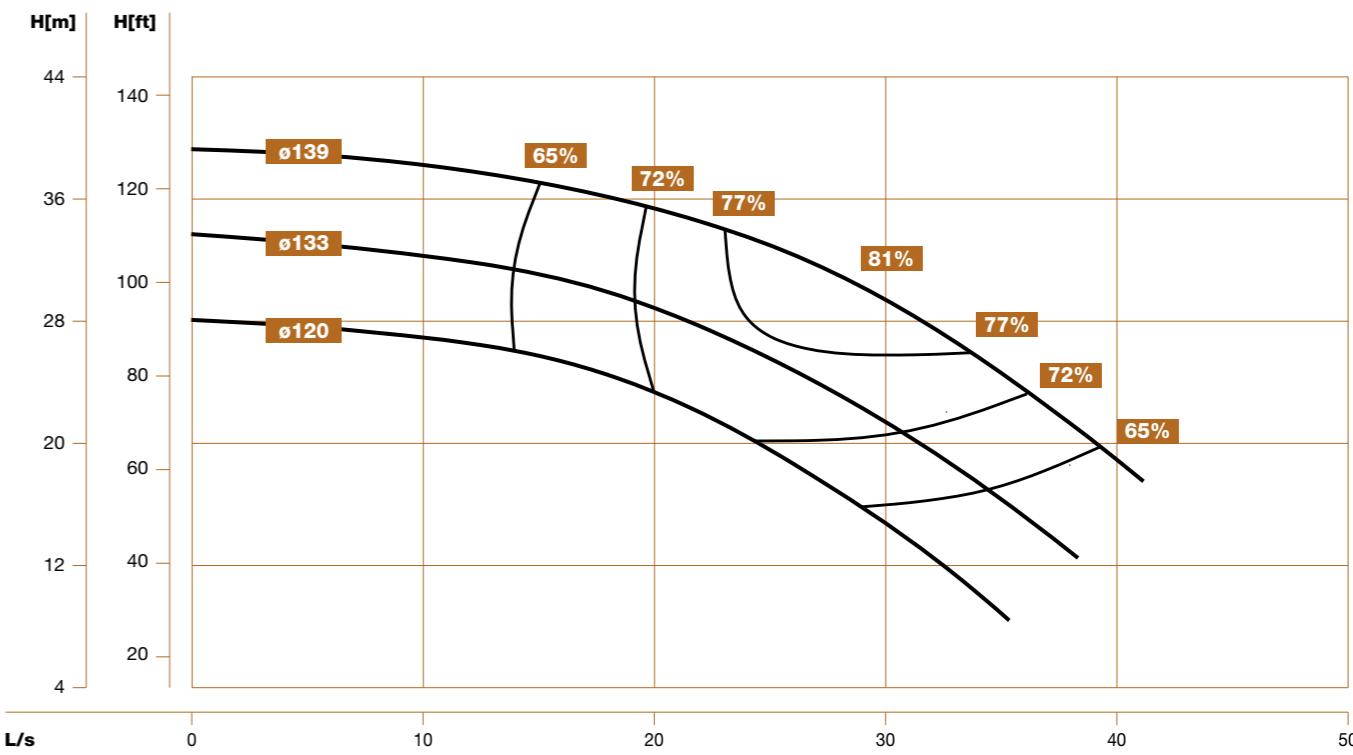
3500 rpm

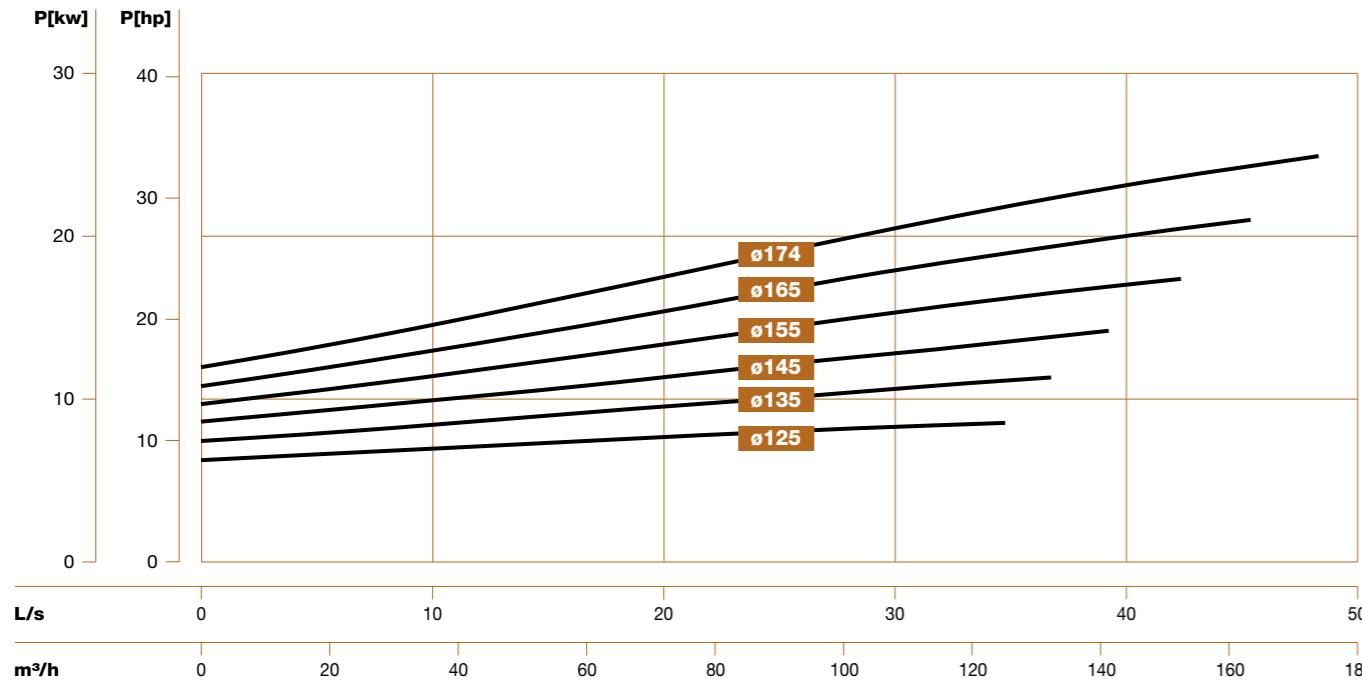
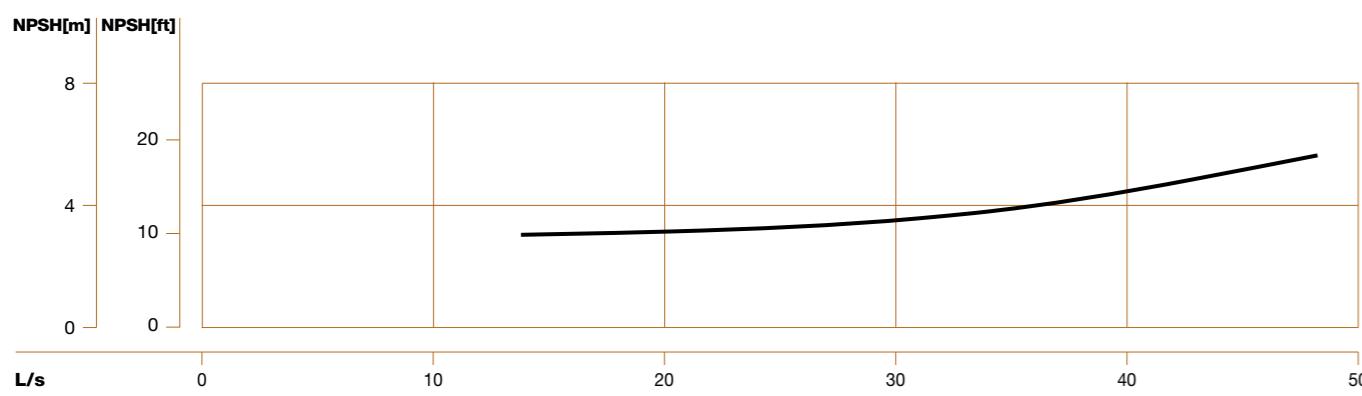
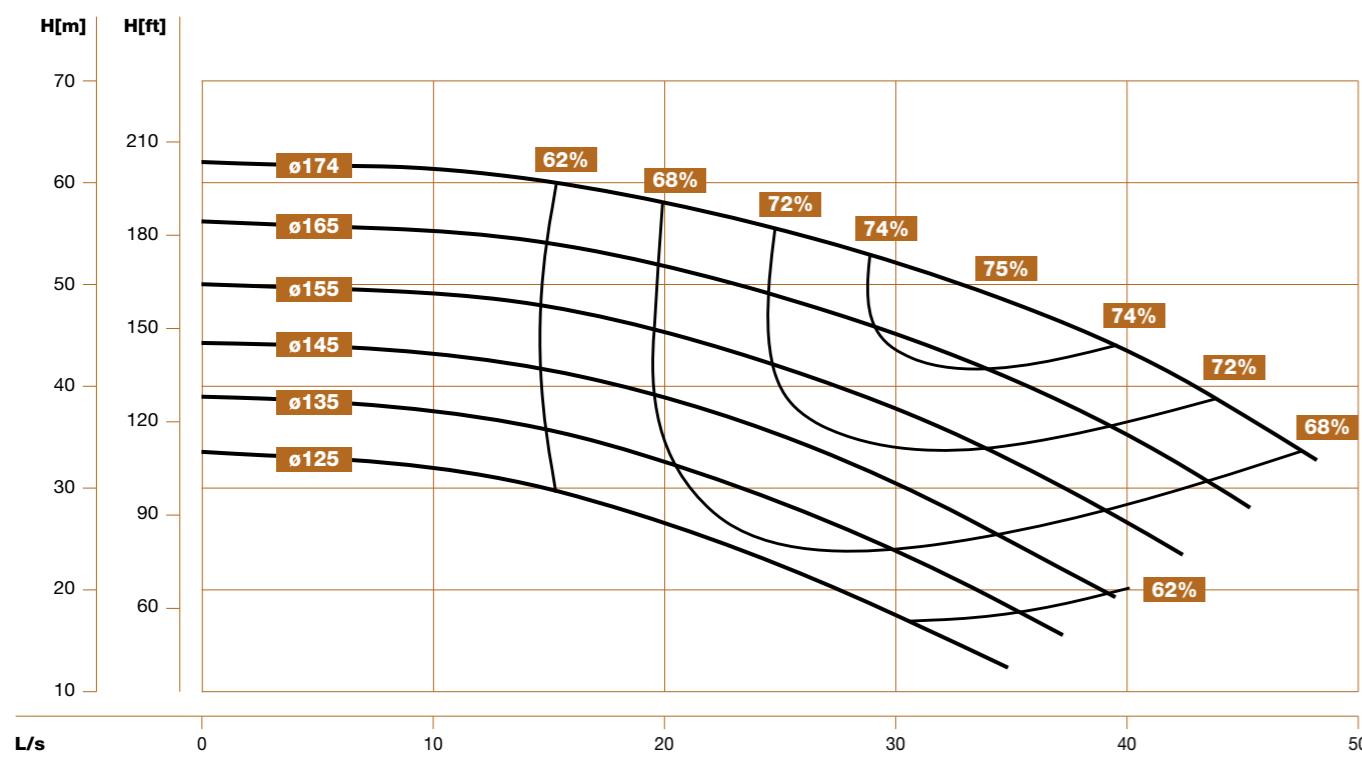
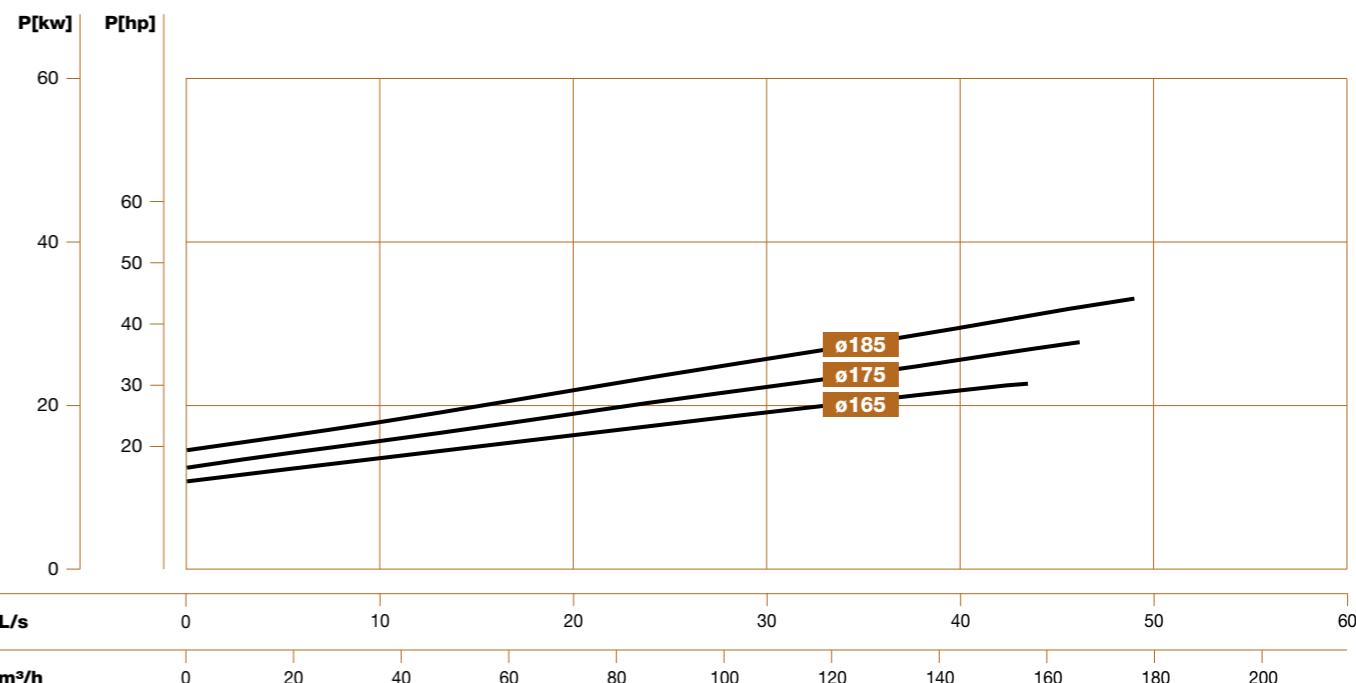
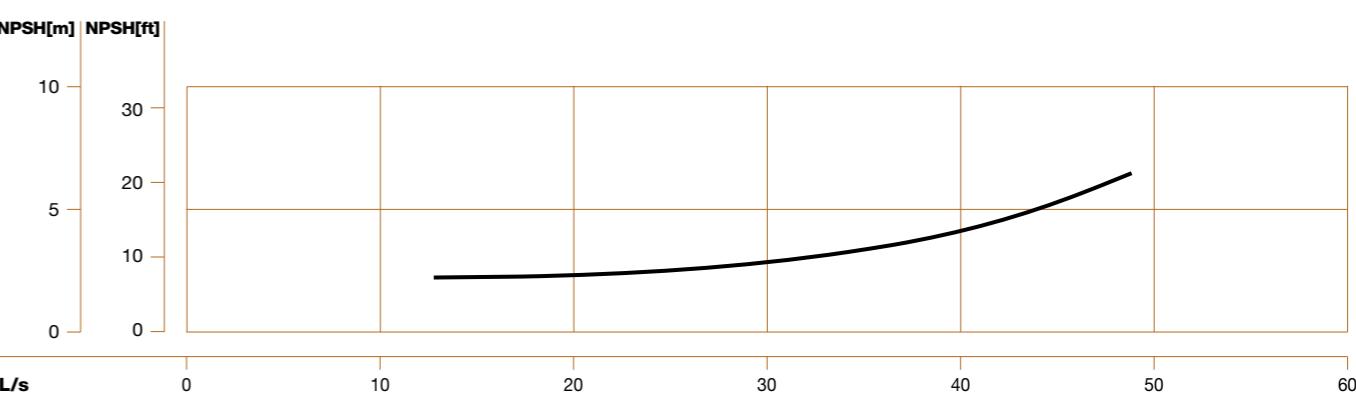
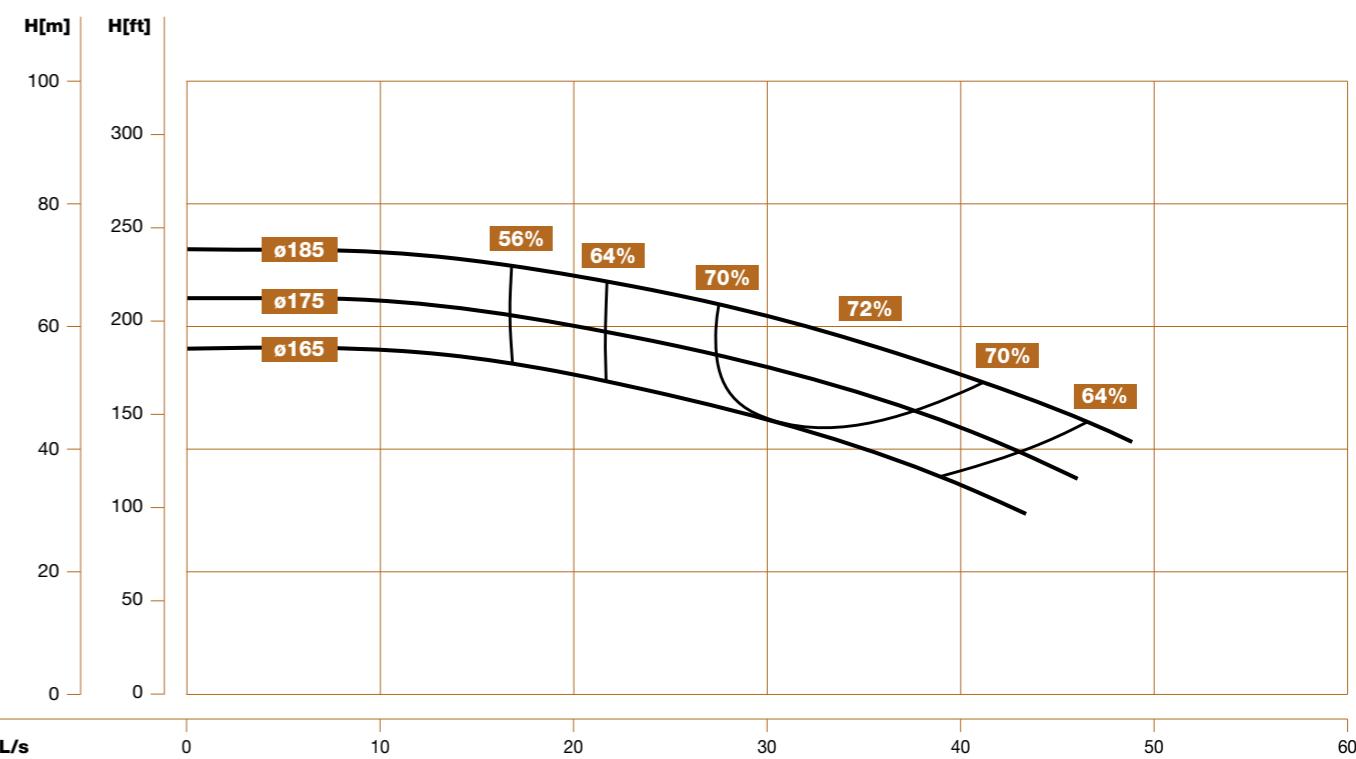


NLF65-50-160

3500 rpm

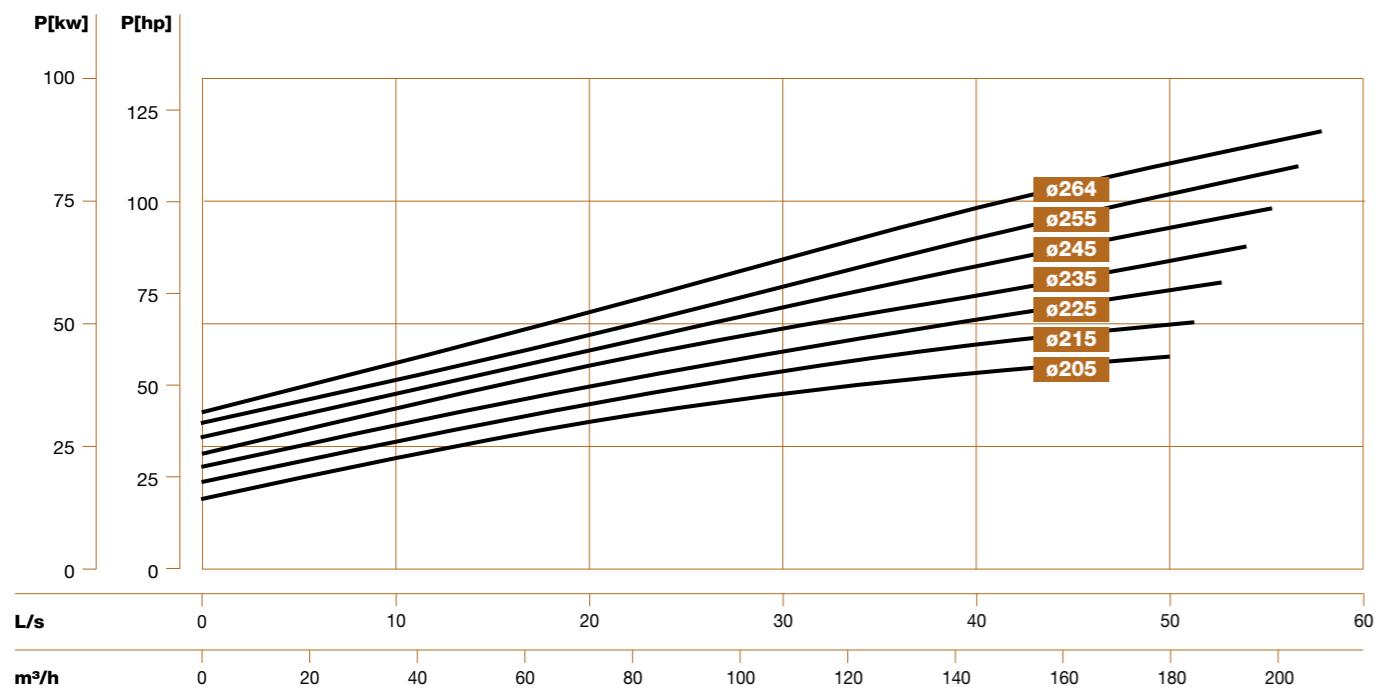
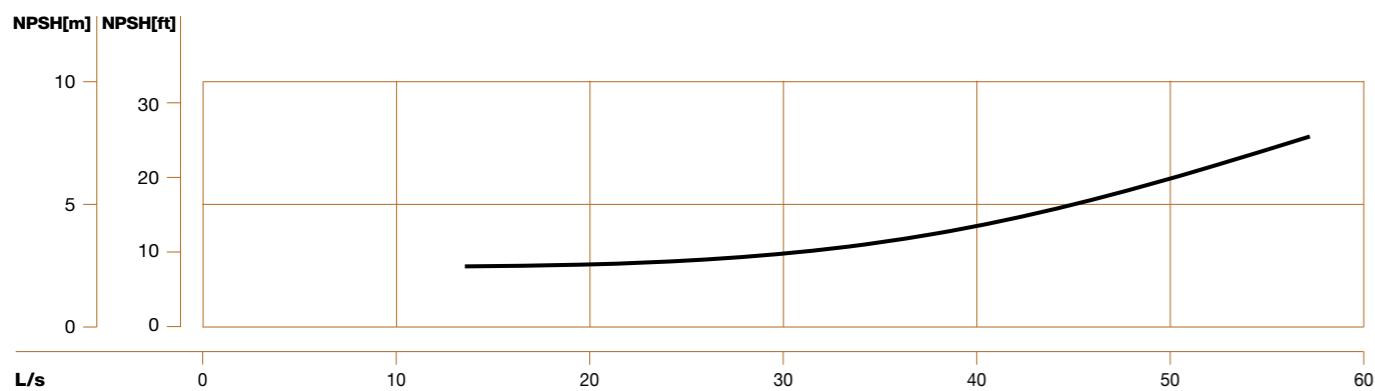
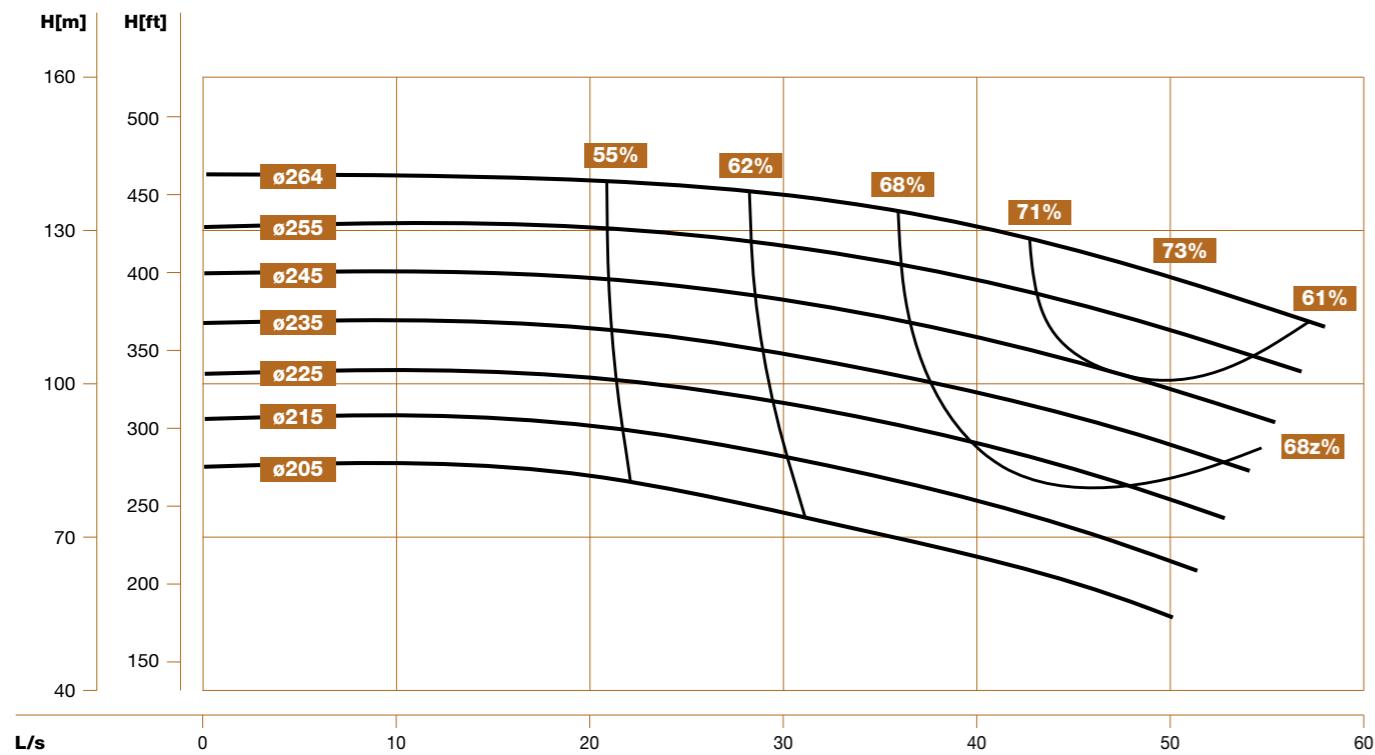


**NLF65-50-200****3500 rpm****NLF65-50-200****3500 rpm**

**NLF80-65-160****3500 rpm****NLF80-65-200****3500 rpm**

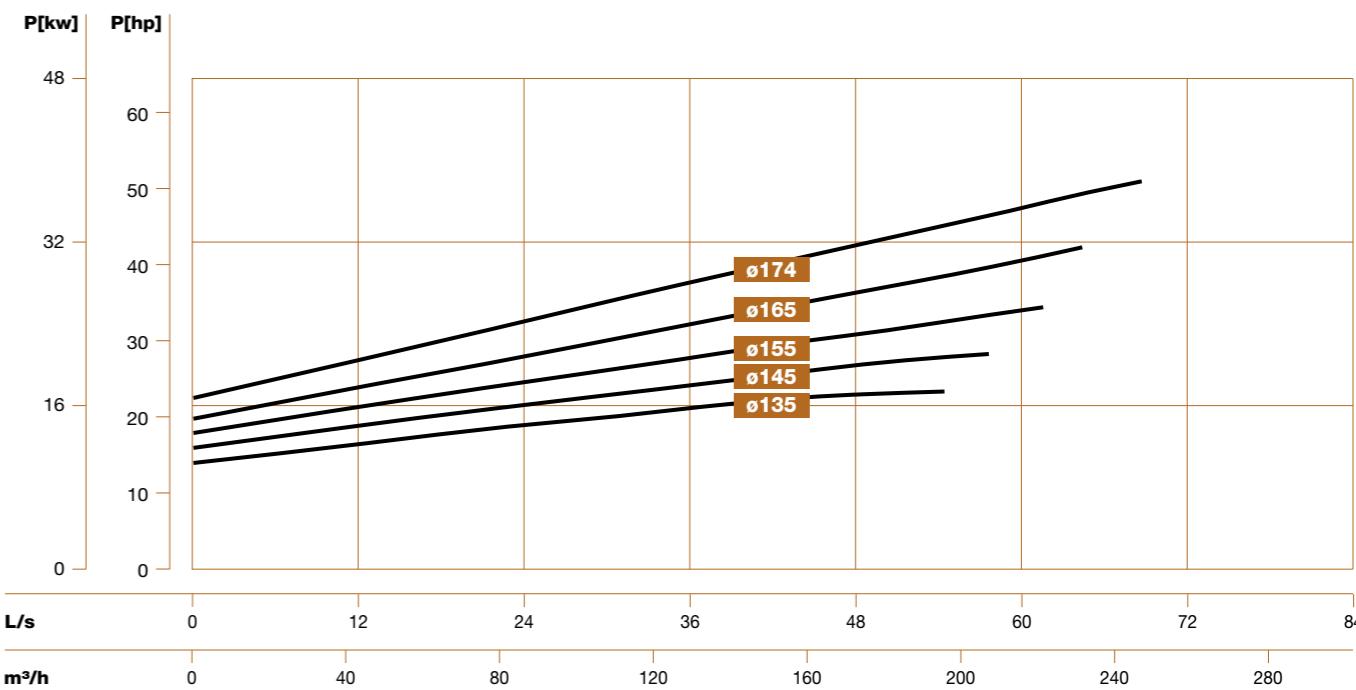
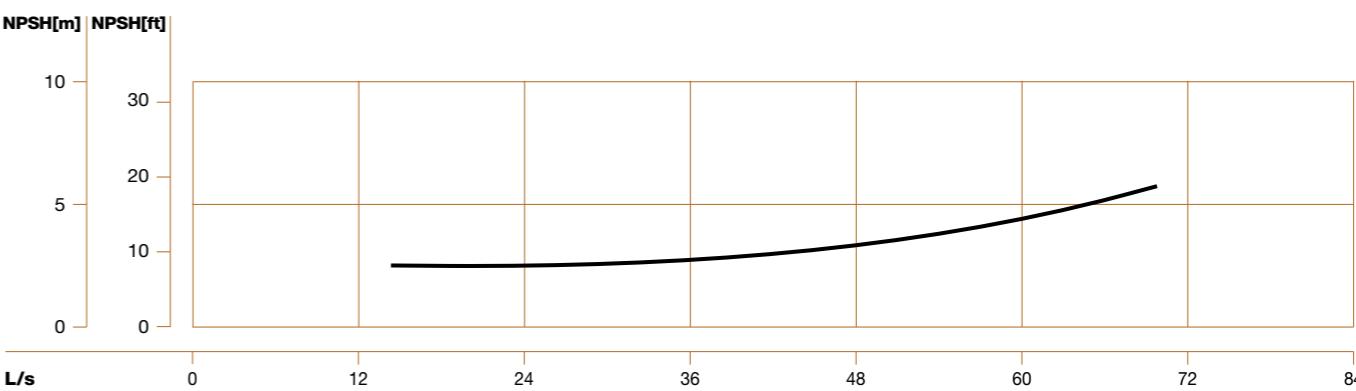
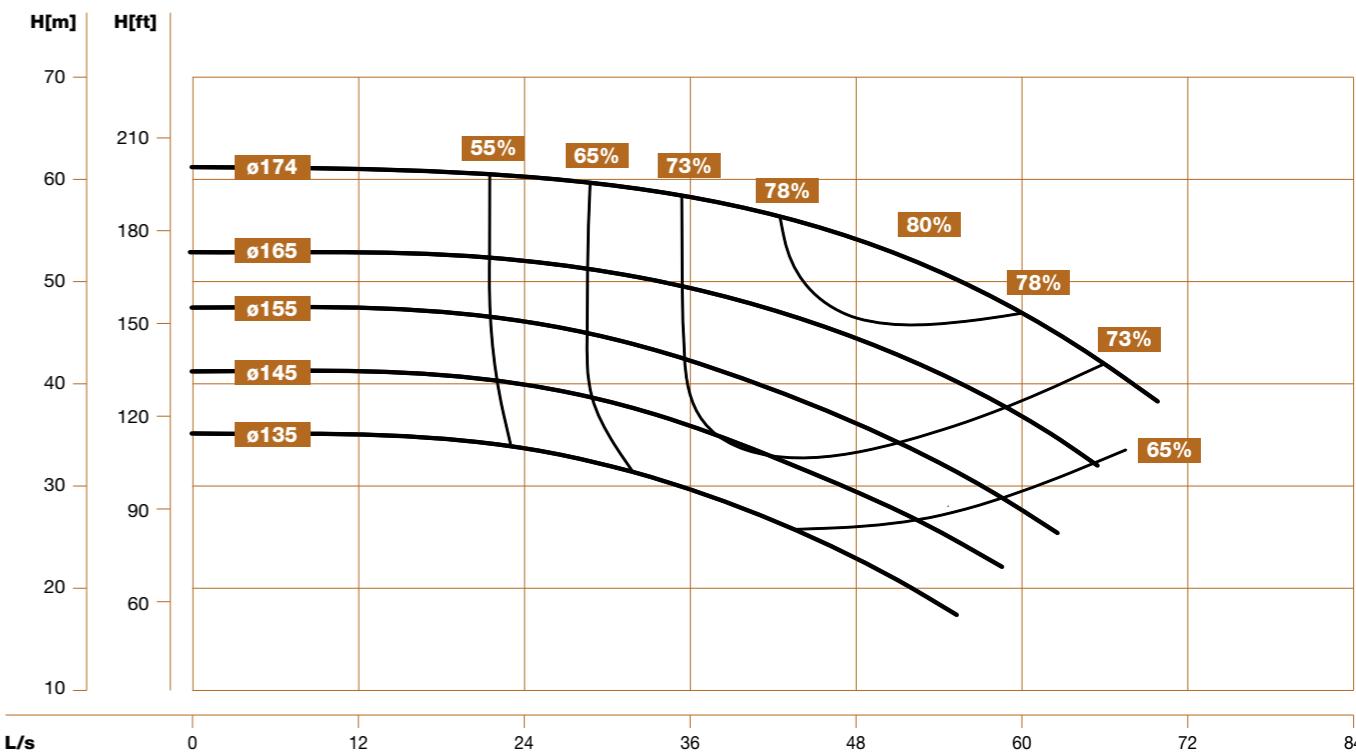
NLF80-65-250

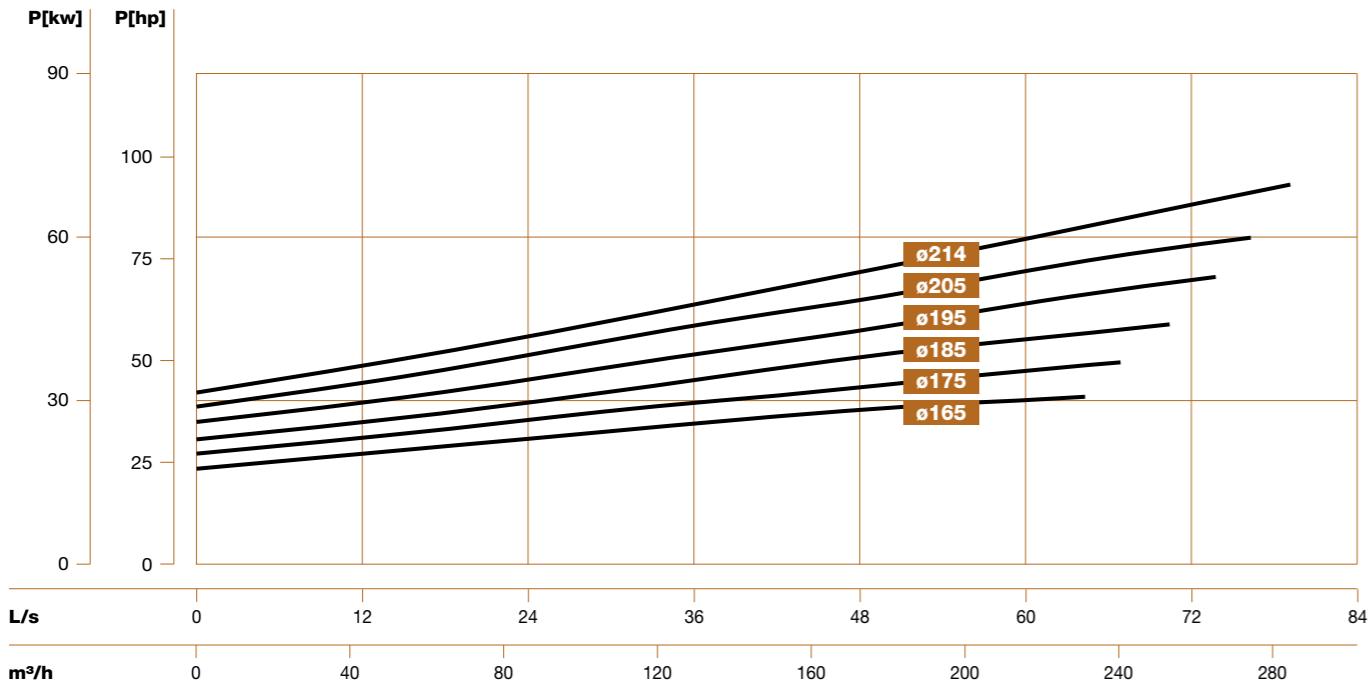
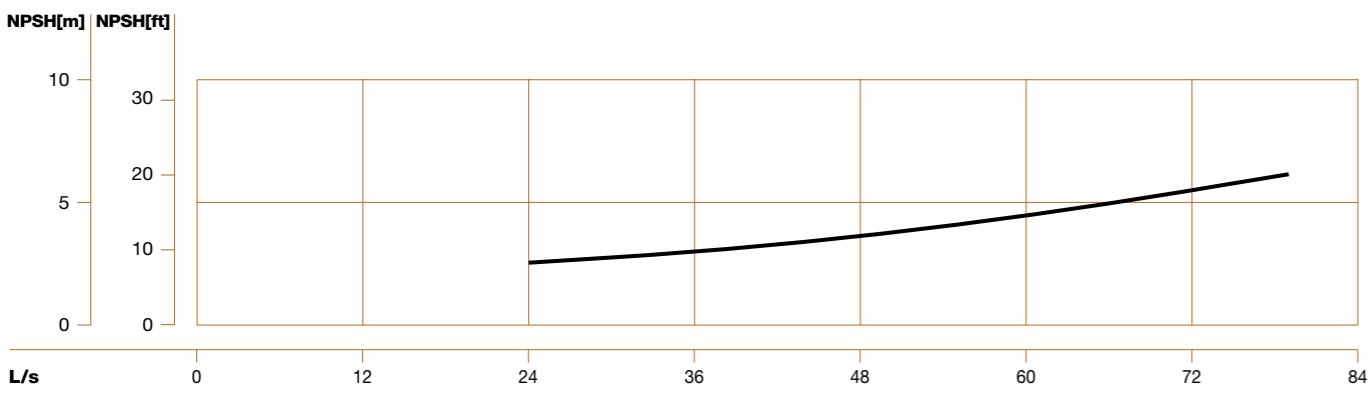
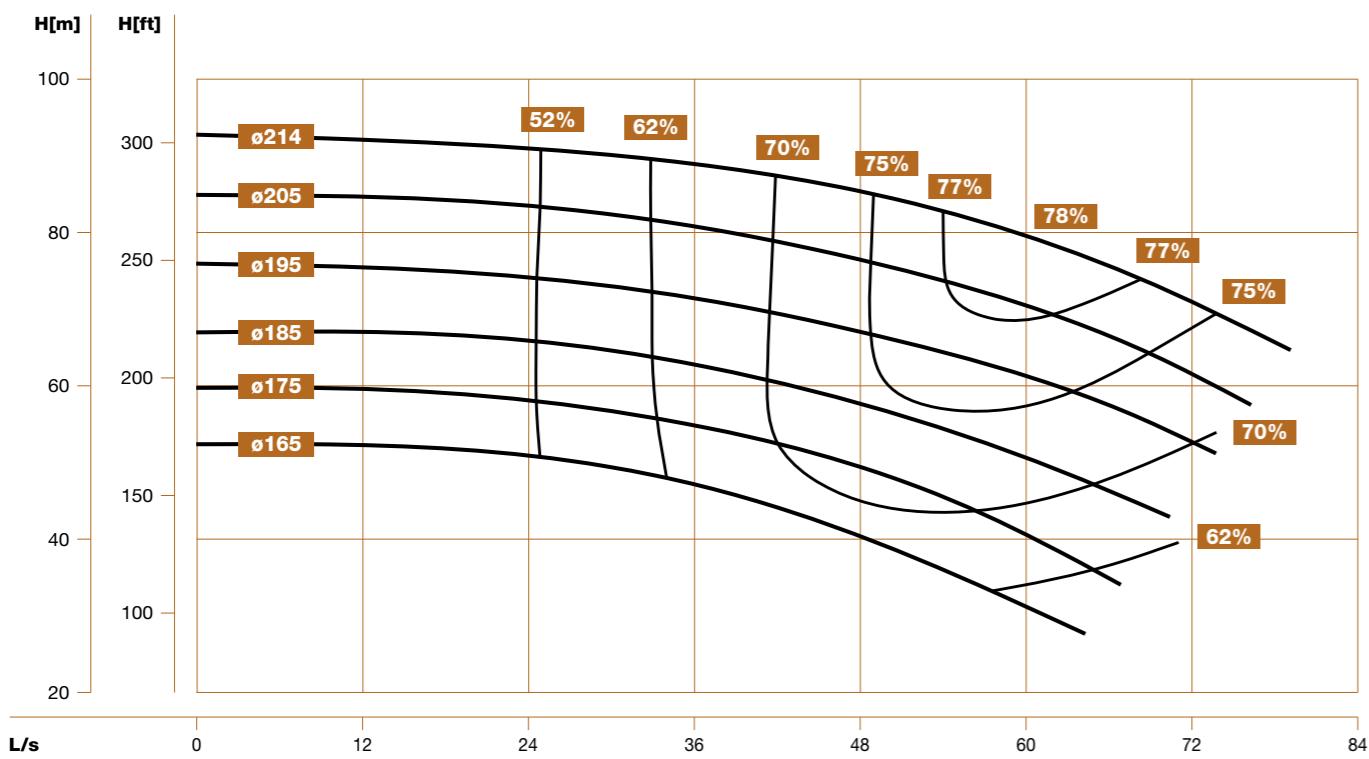
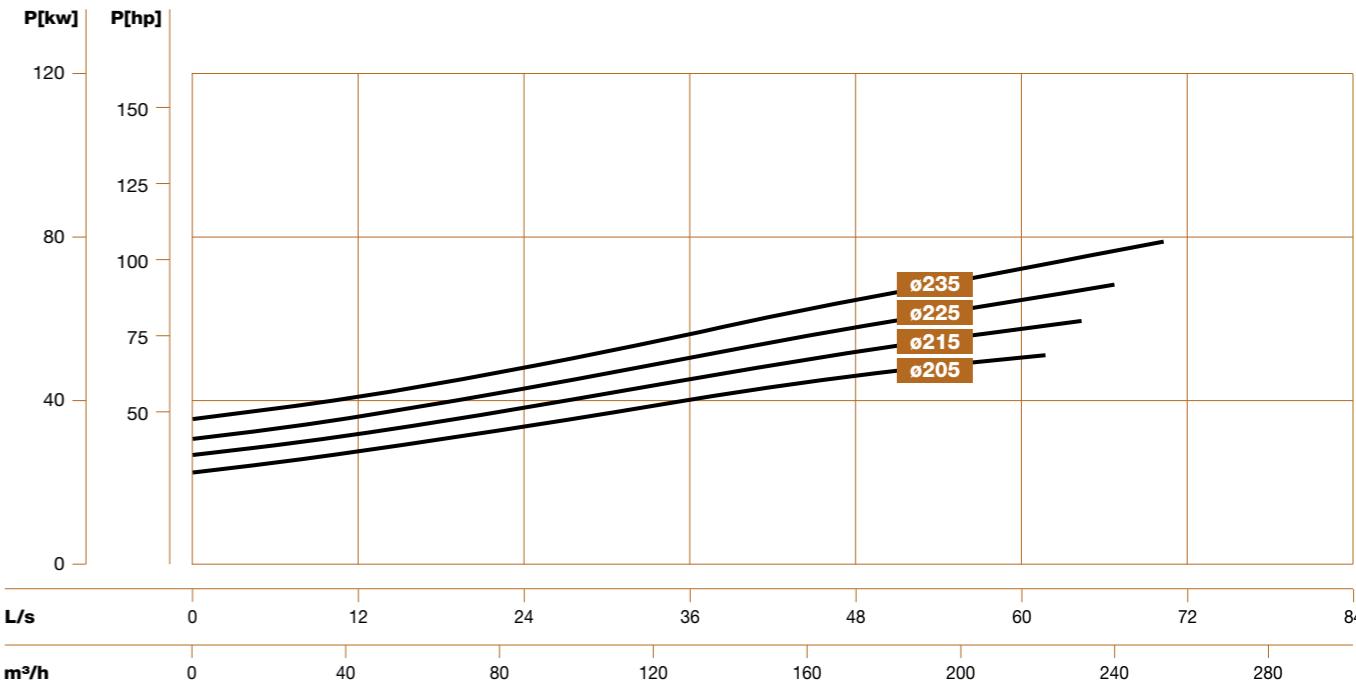
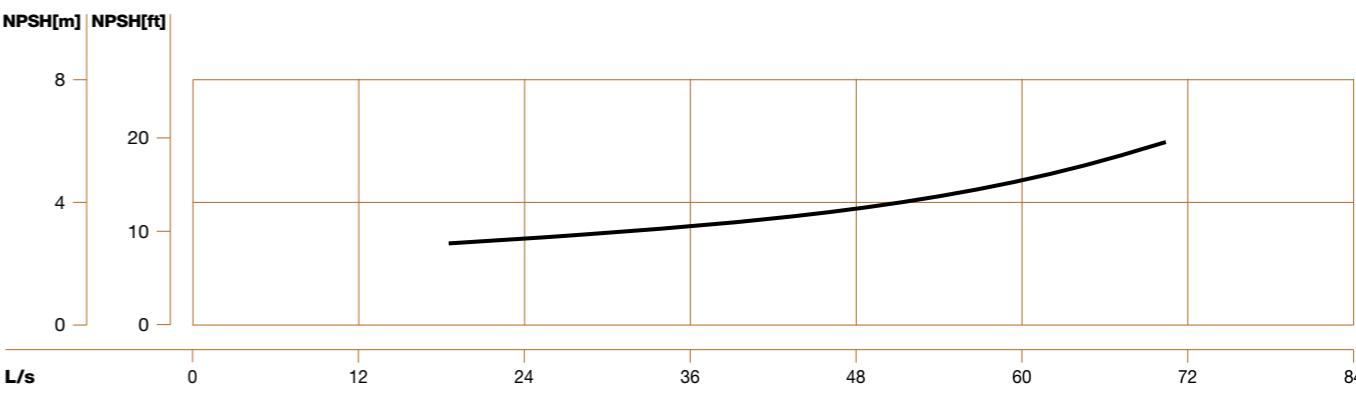
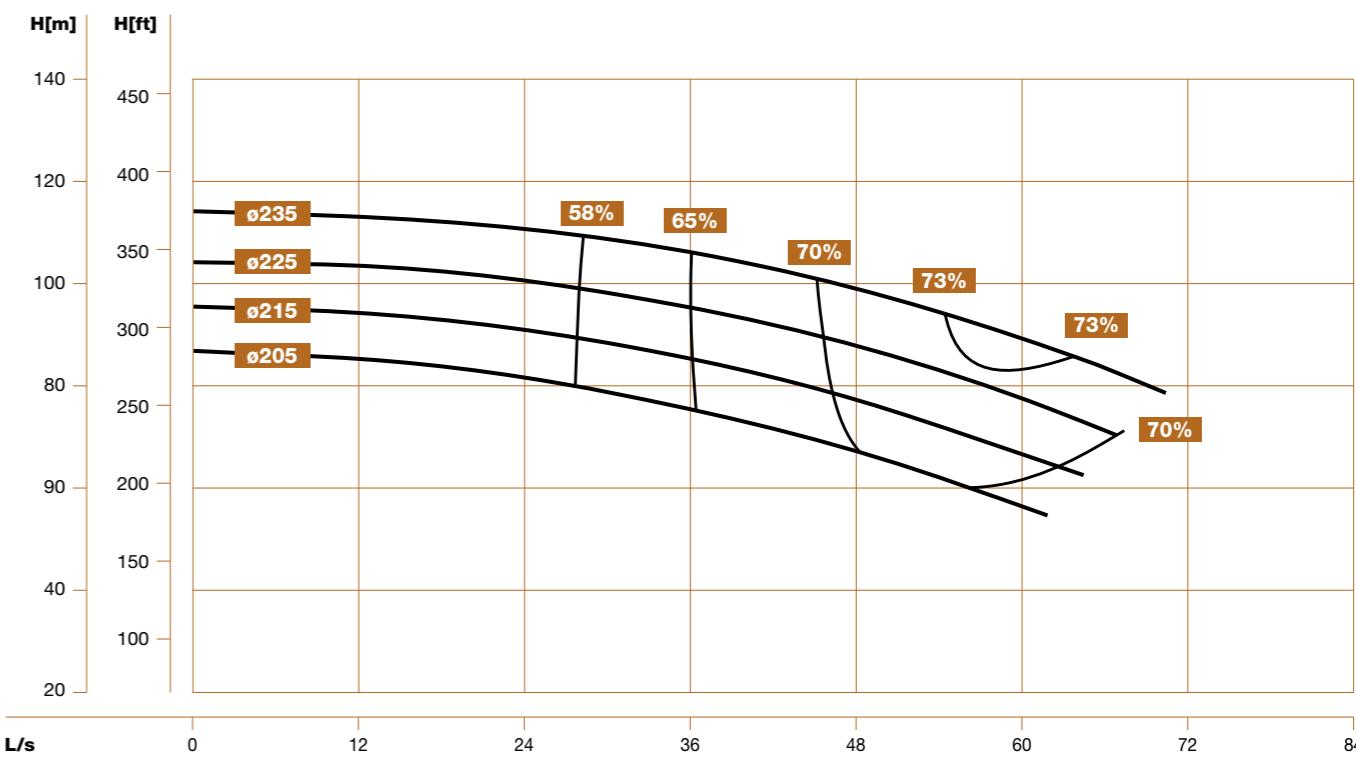
3500 rpm



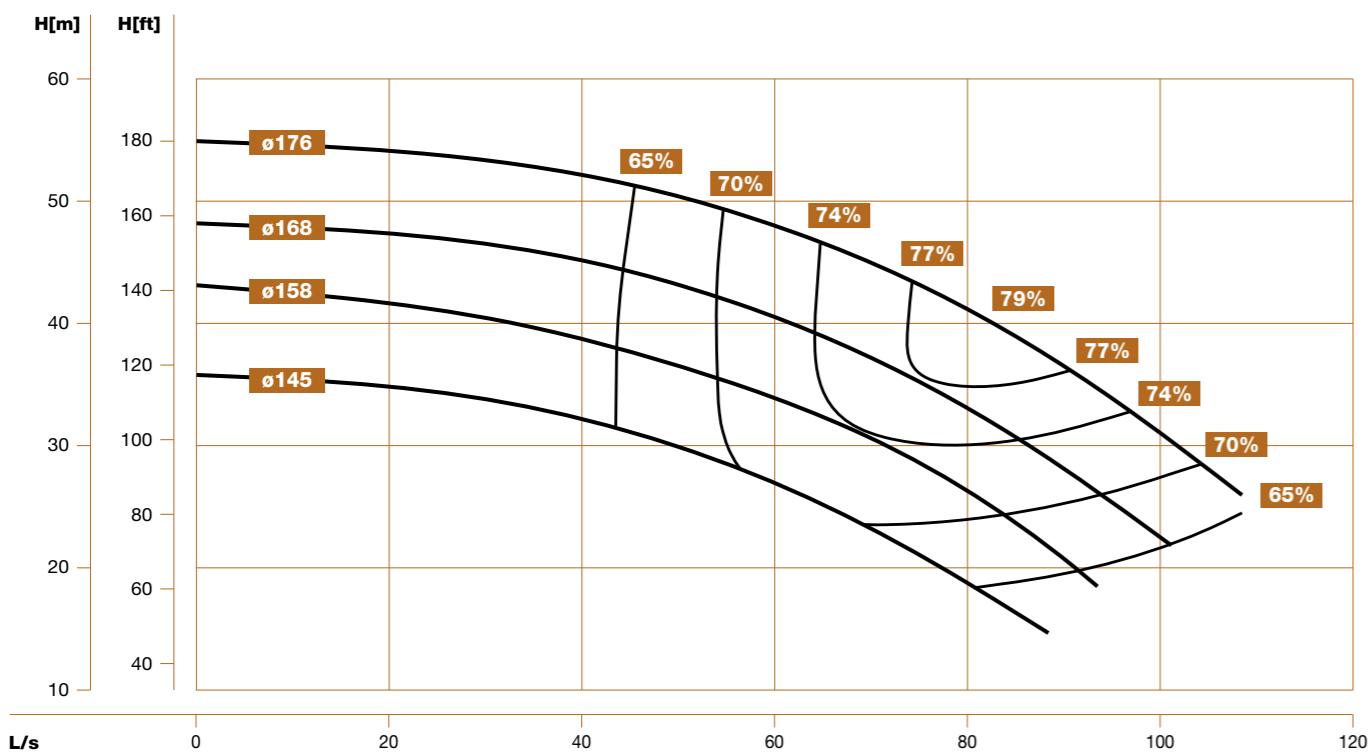
NLF100-80-160

3500 rpm

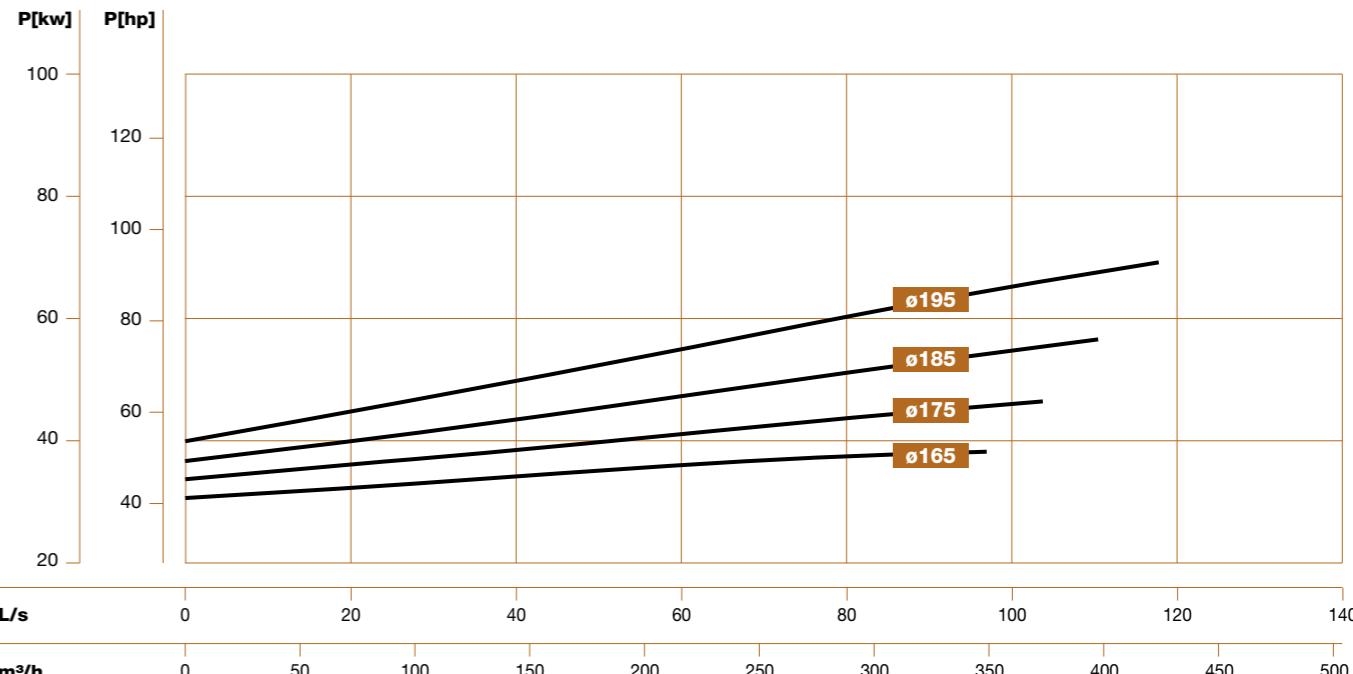
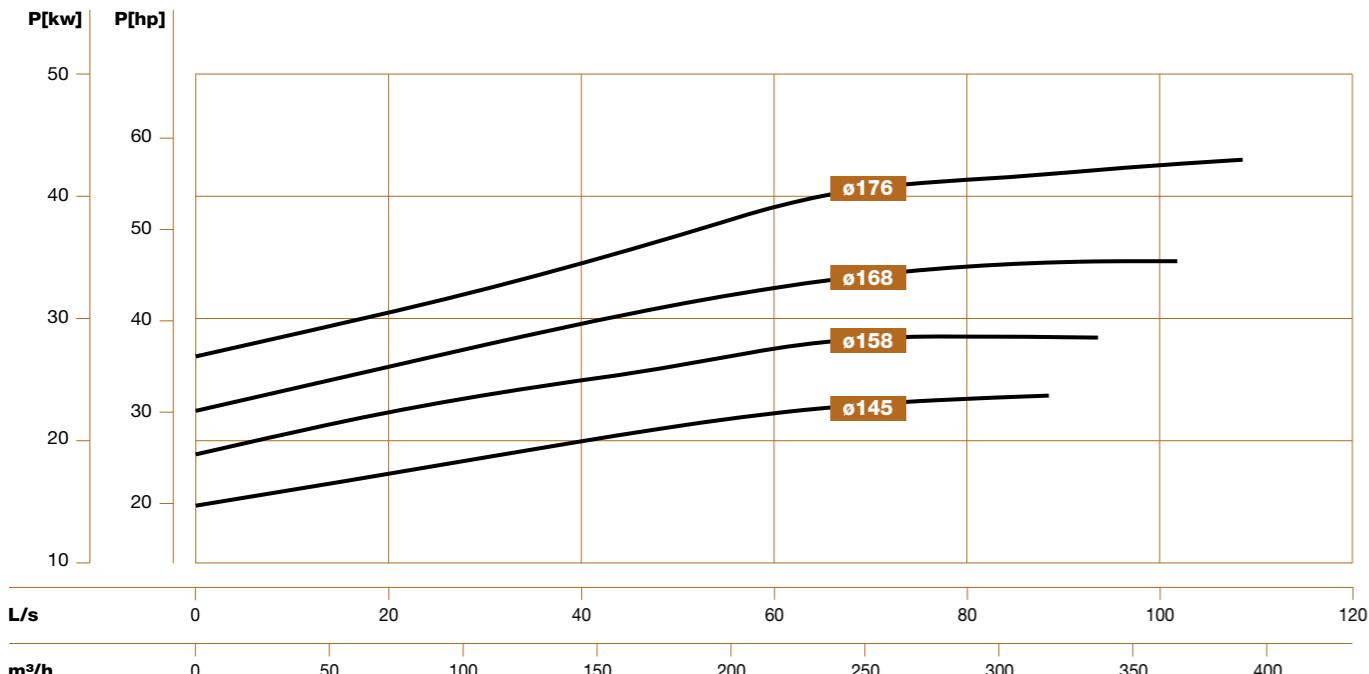
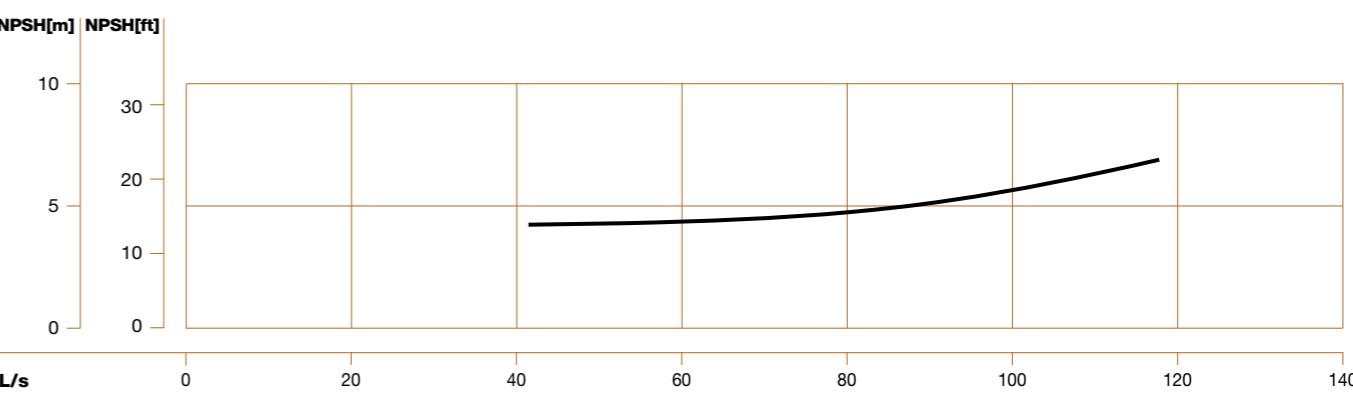
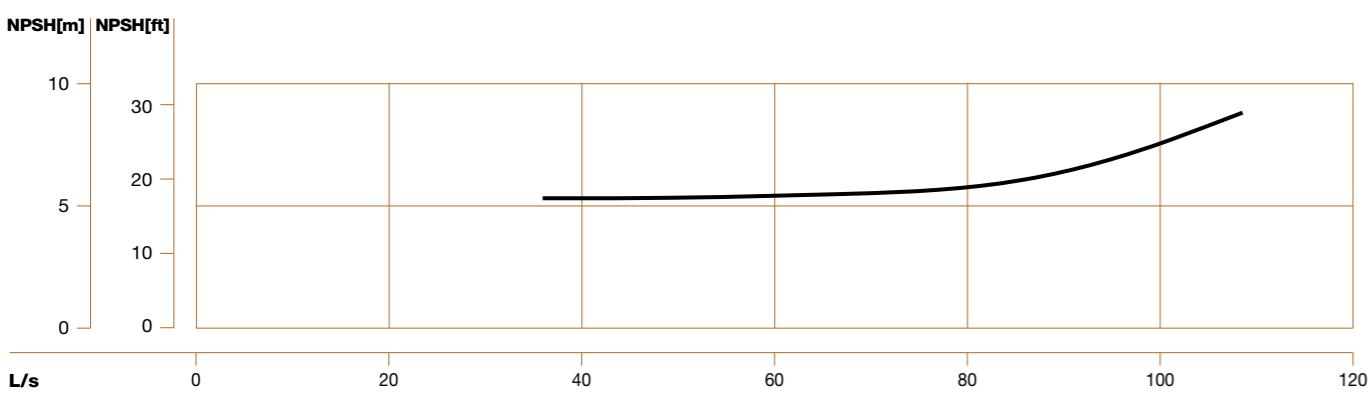
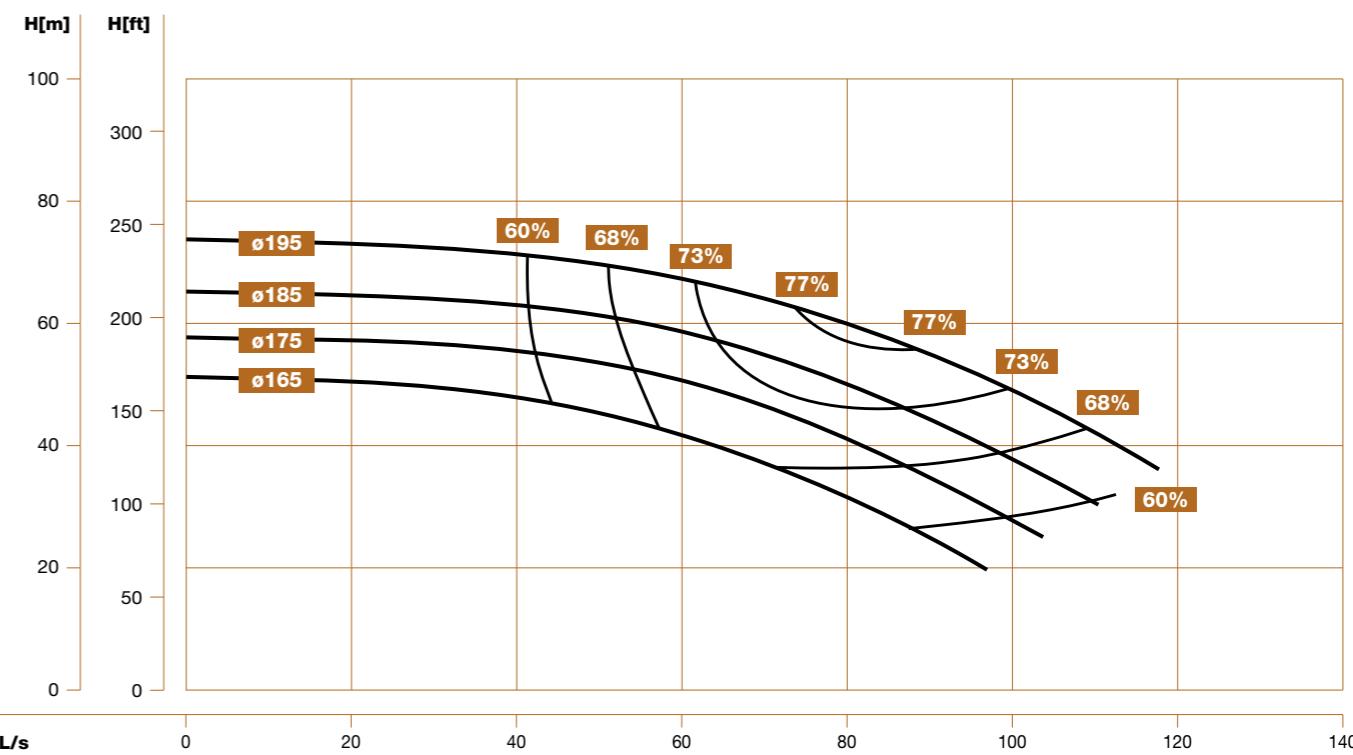


**NLF100-80-200**    **3500 rpm****NLF100-80-250**    **3500 rpm**

**NLF125-100-160** 3500 rpm

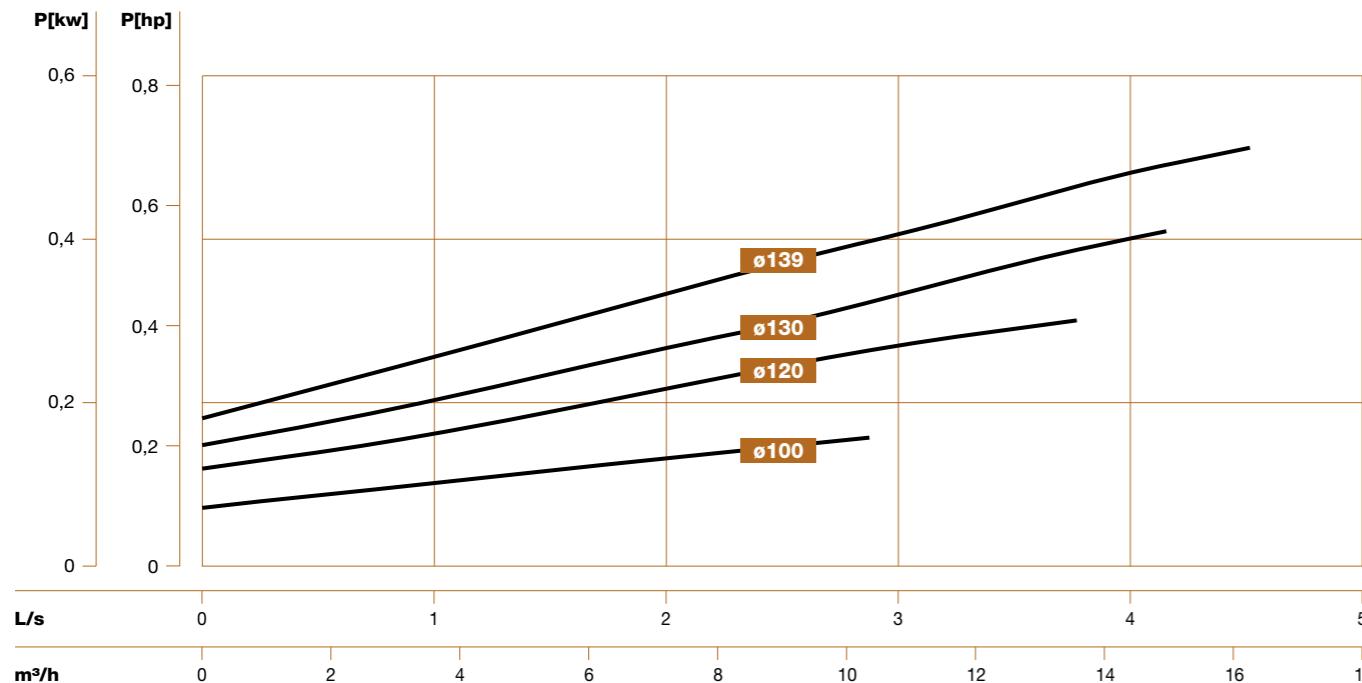
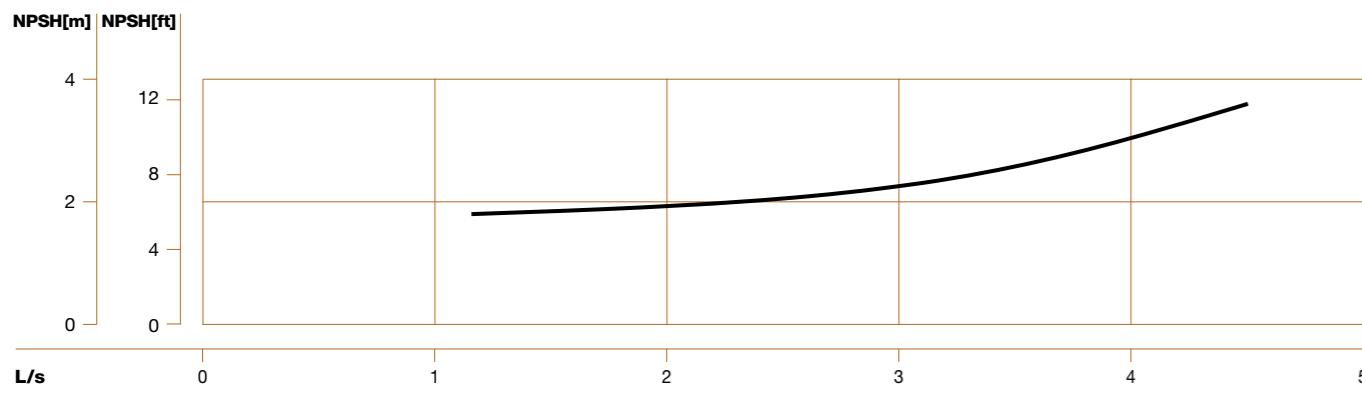
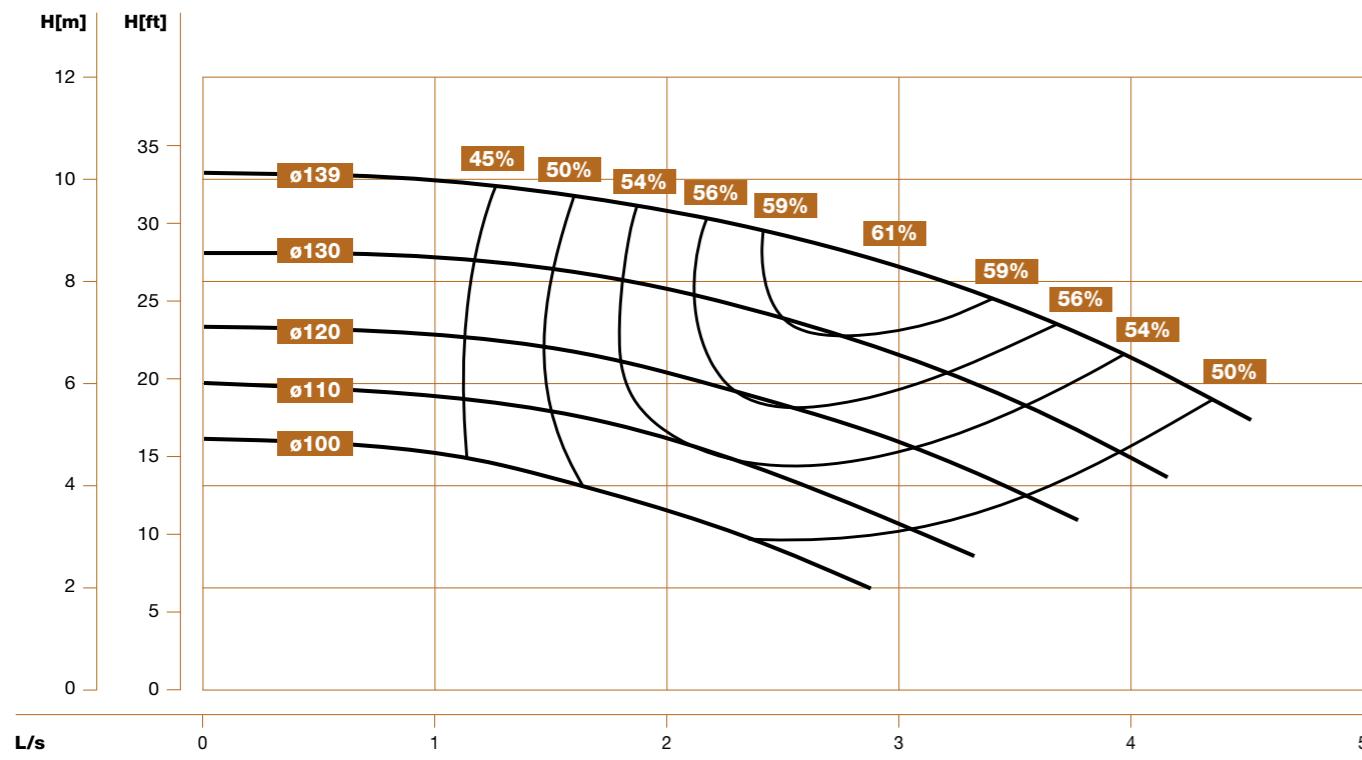


**NLF125-100-200** 3500 rpm



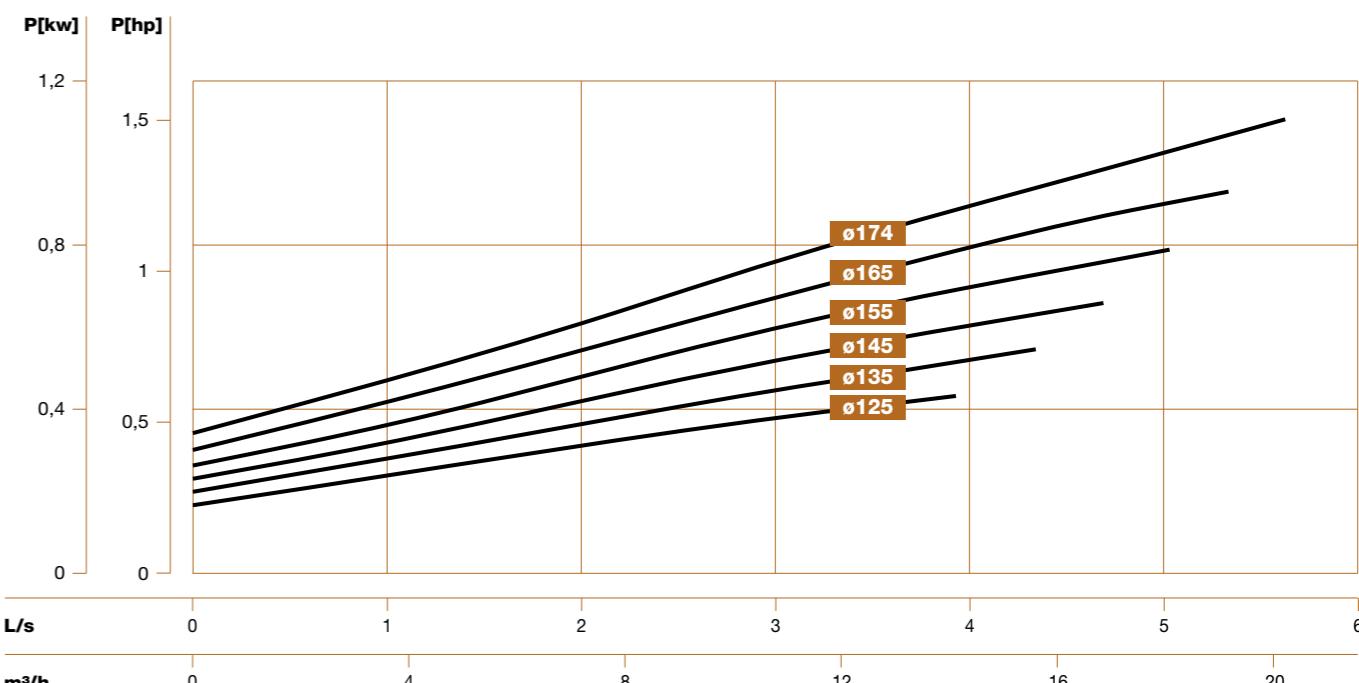
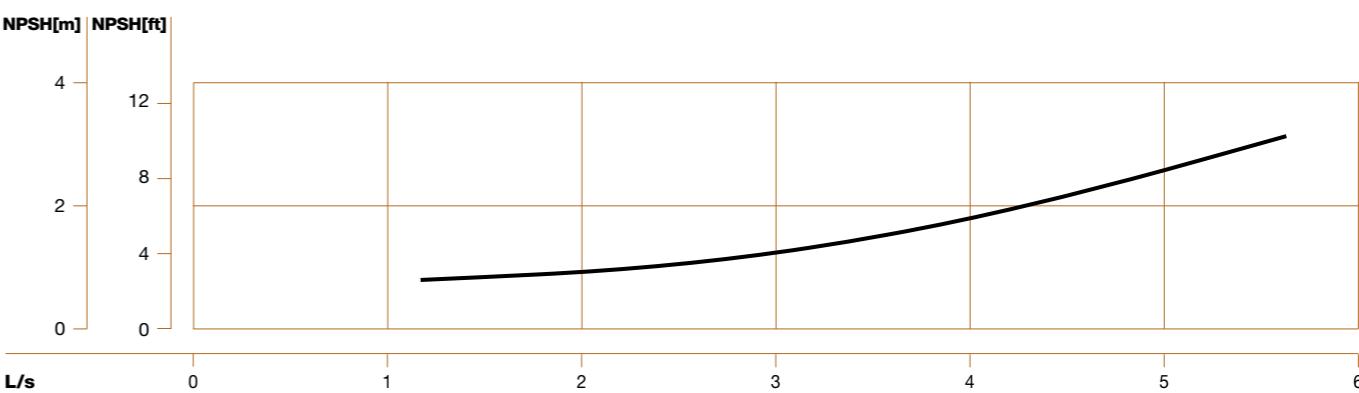
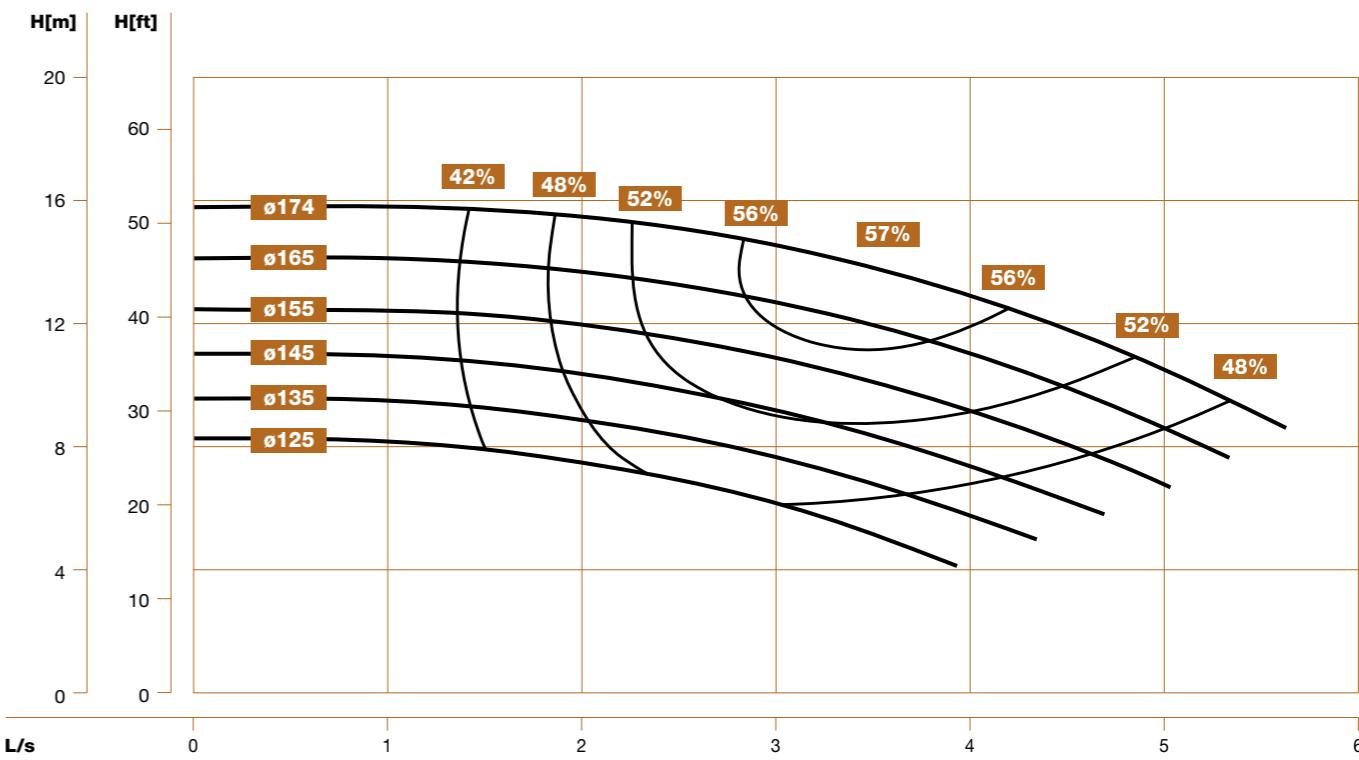
NLF50-32-125

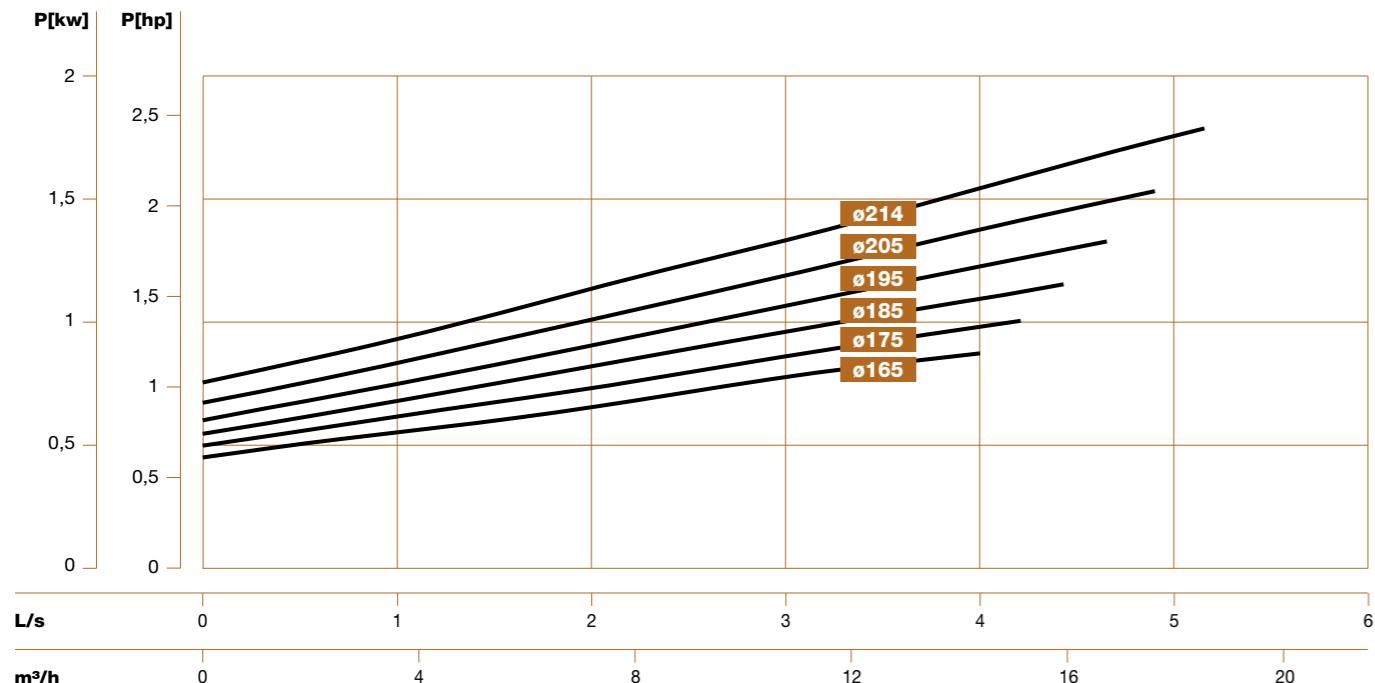
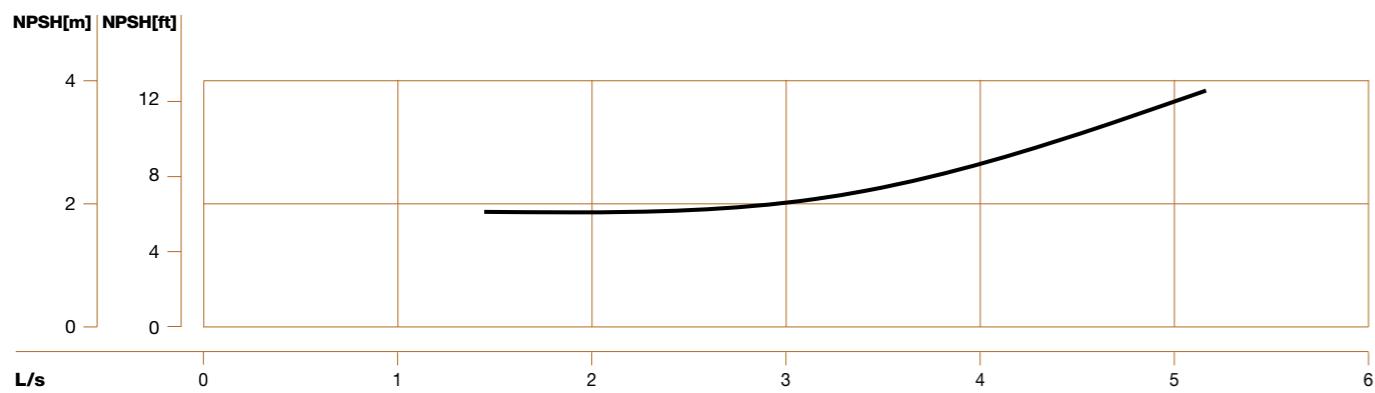
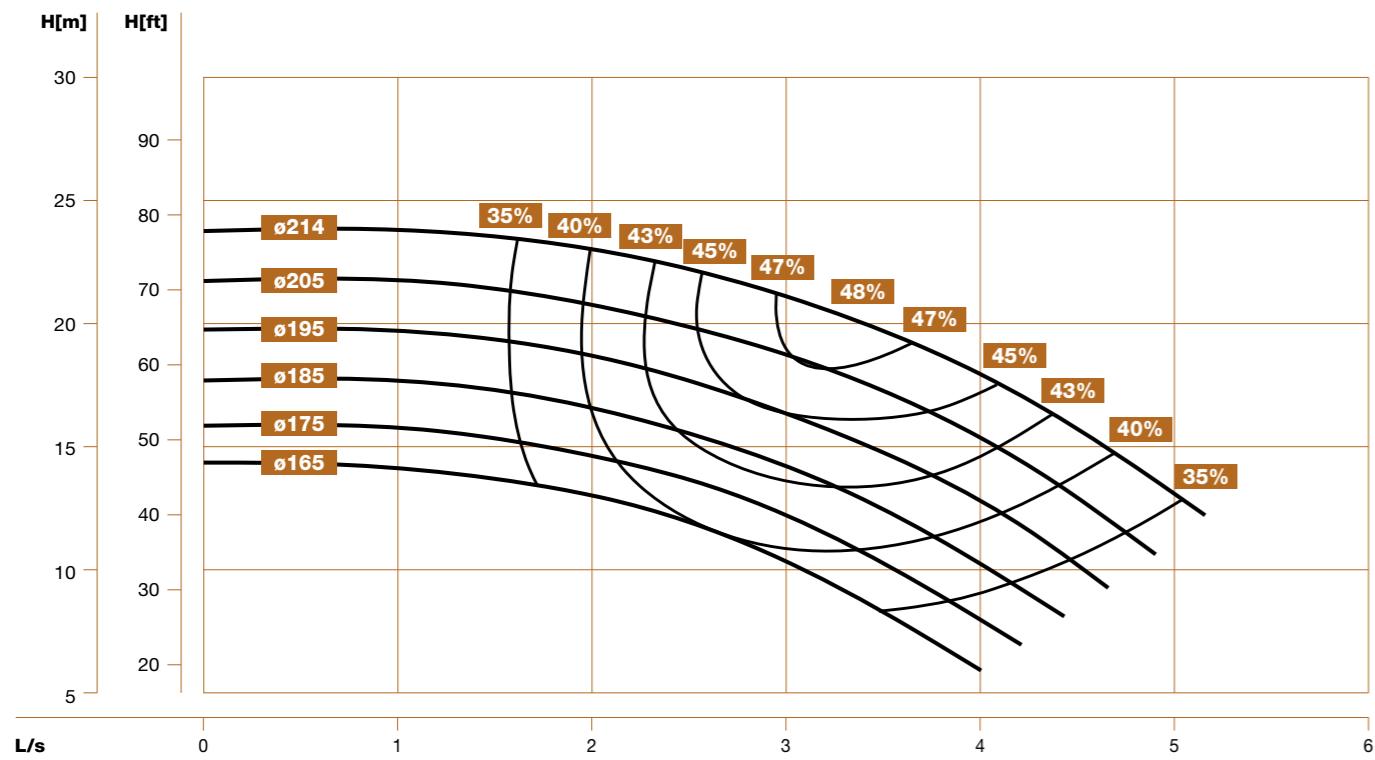
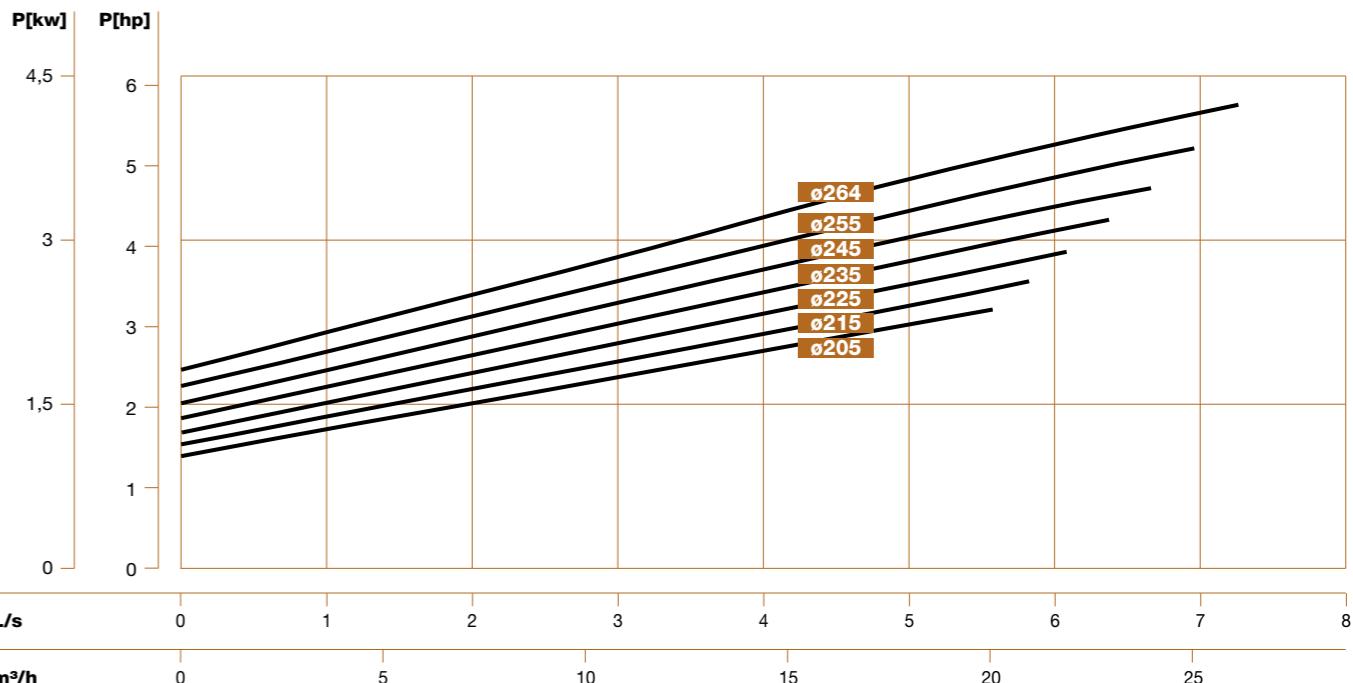
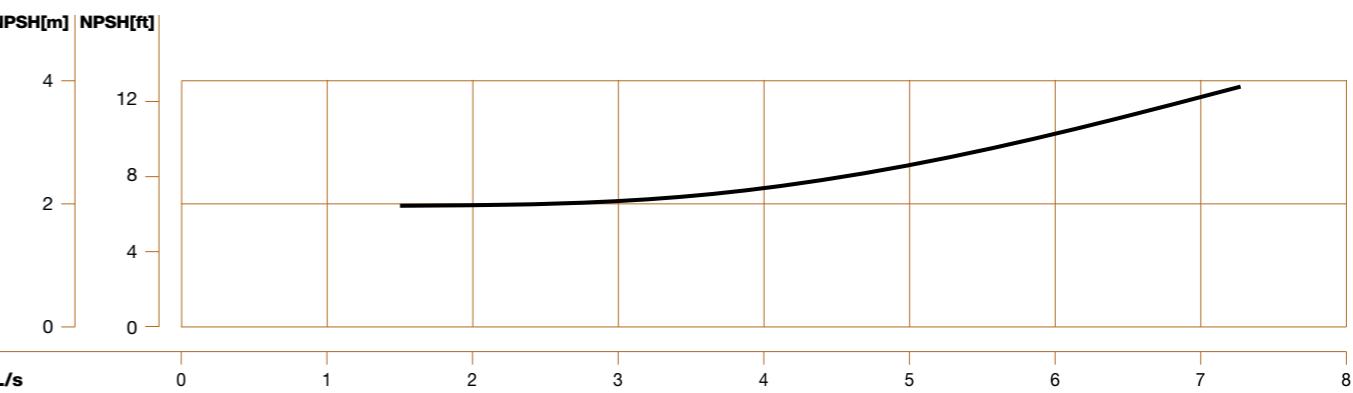
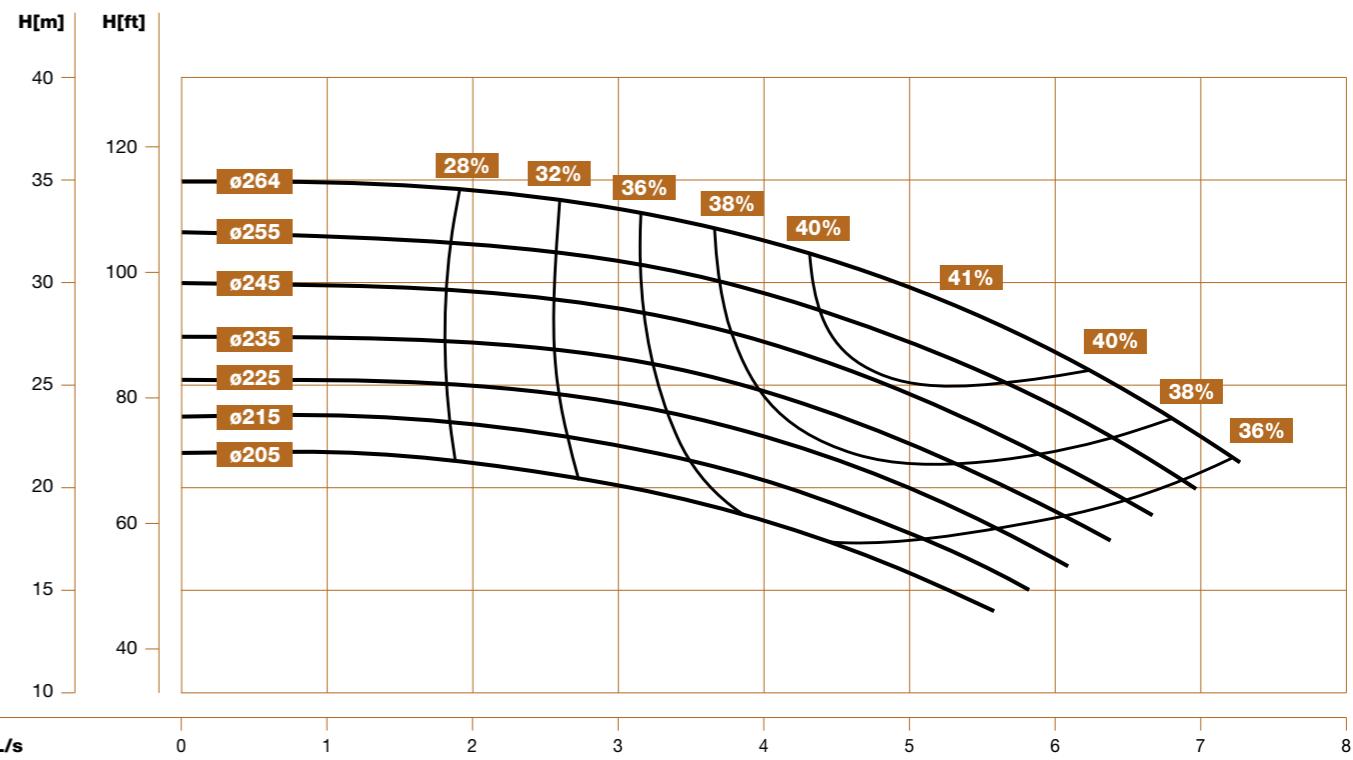
1750 rpm



NLF50-32-160

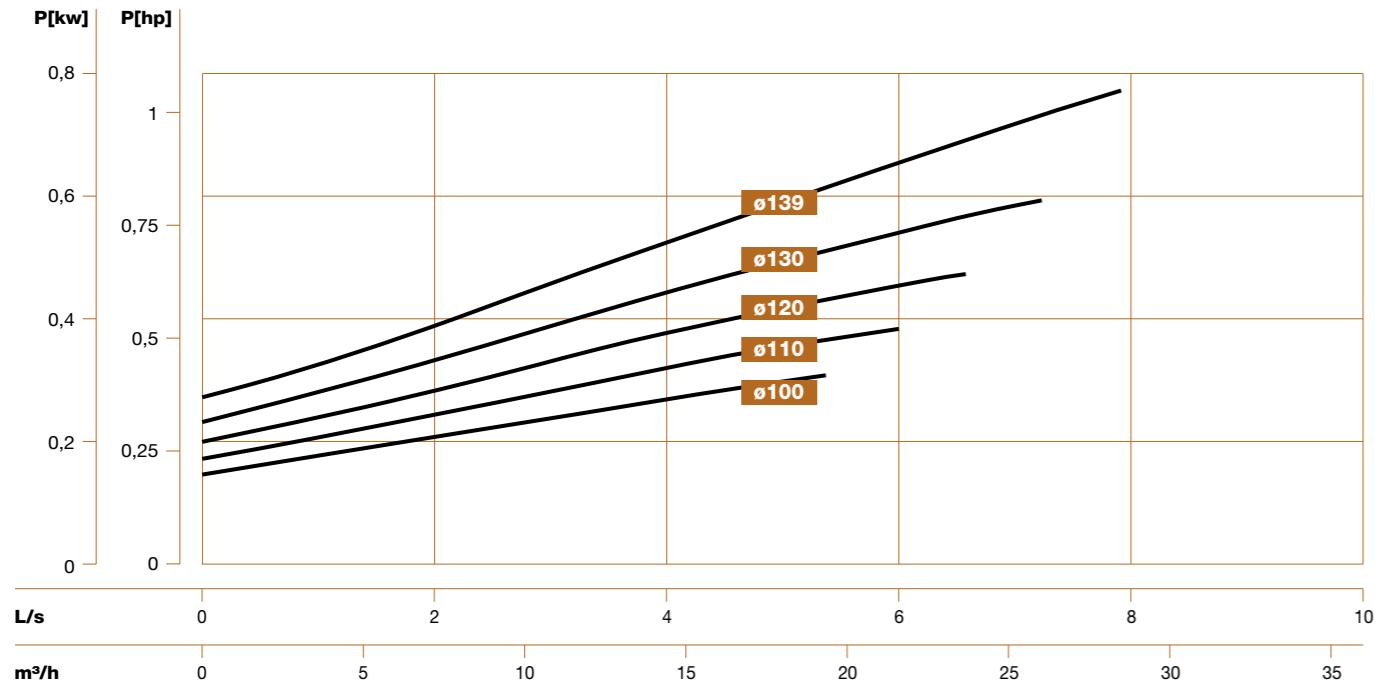
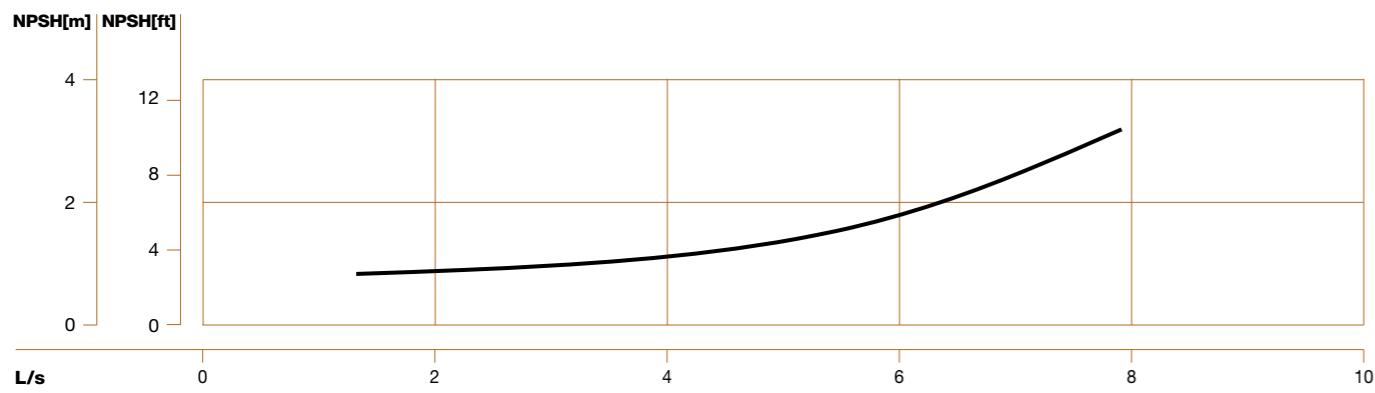
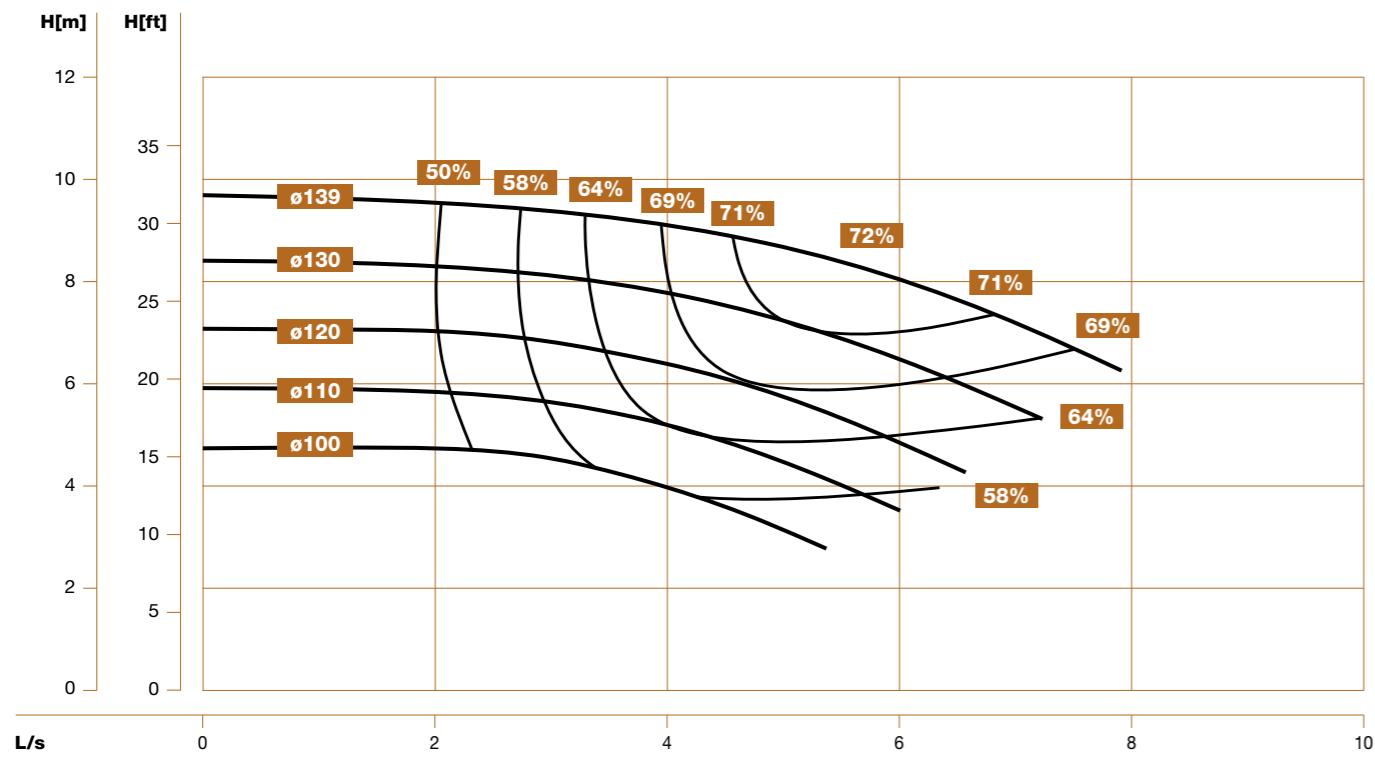
1750 rpm



**NLF50-32-200****1750 rpm****NLF50-32-250****1750 rpm**

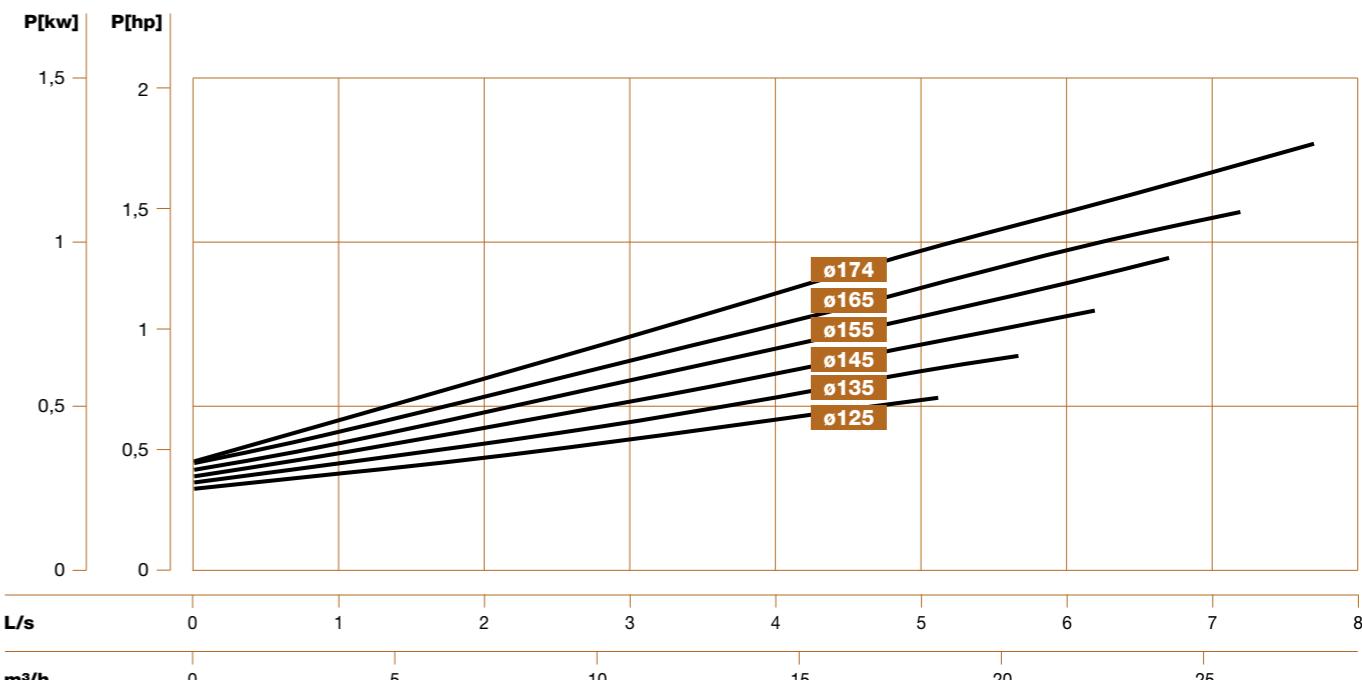
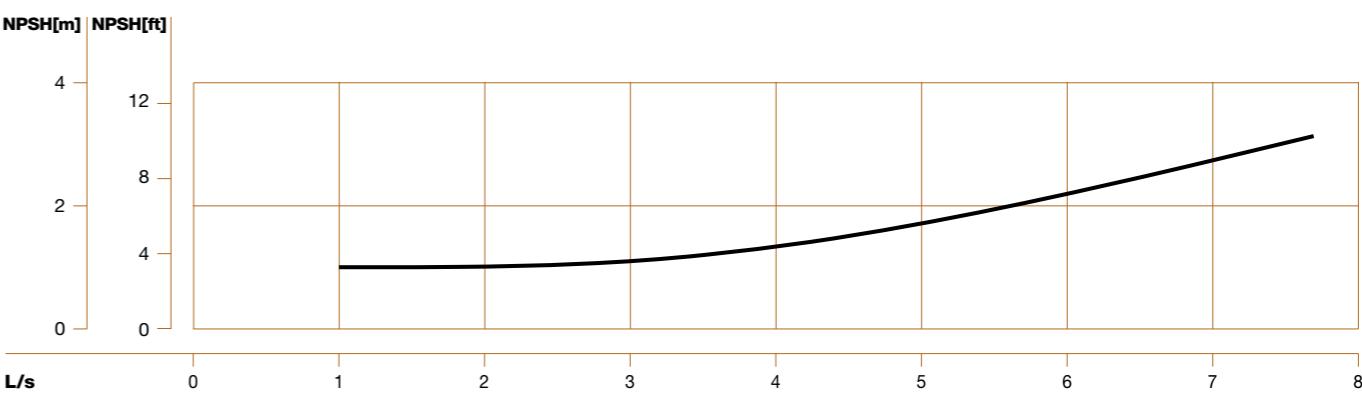
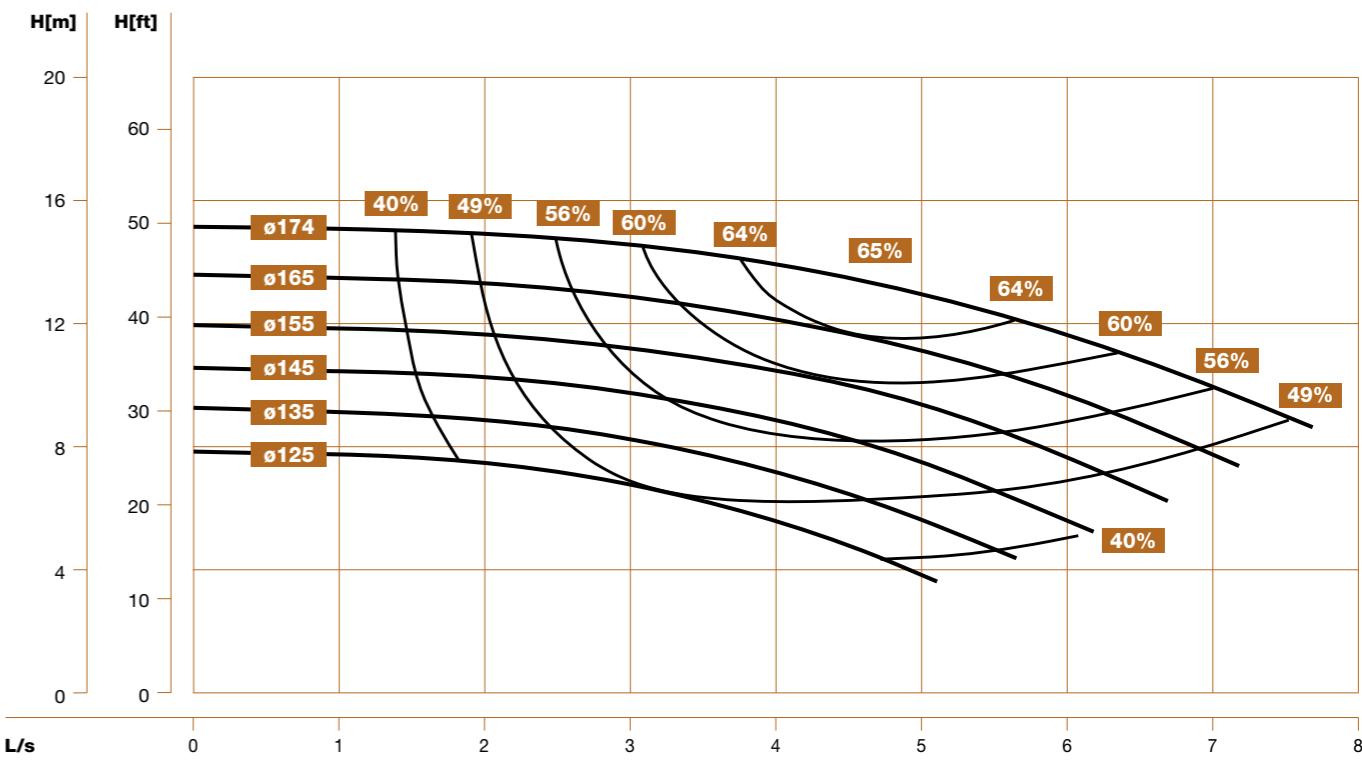
NLF65-40-125

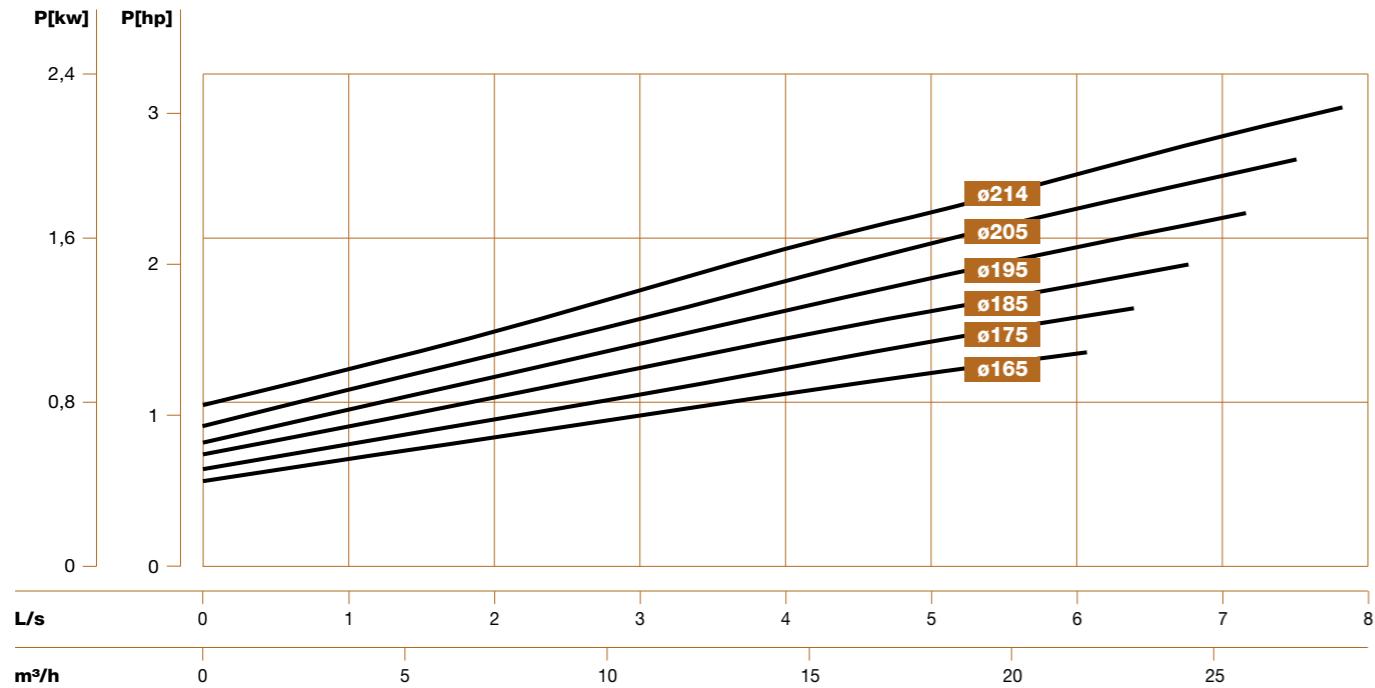
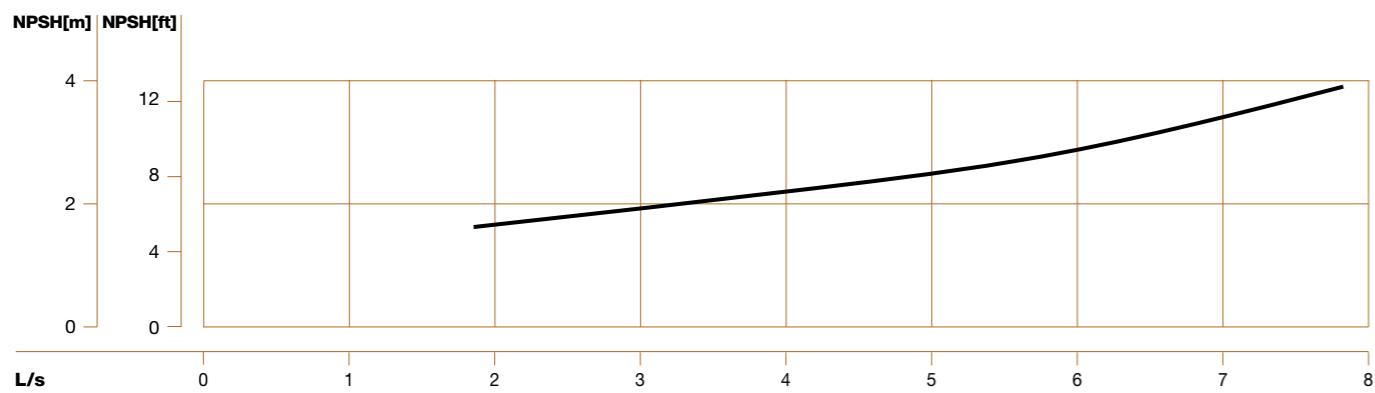
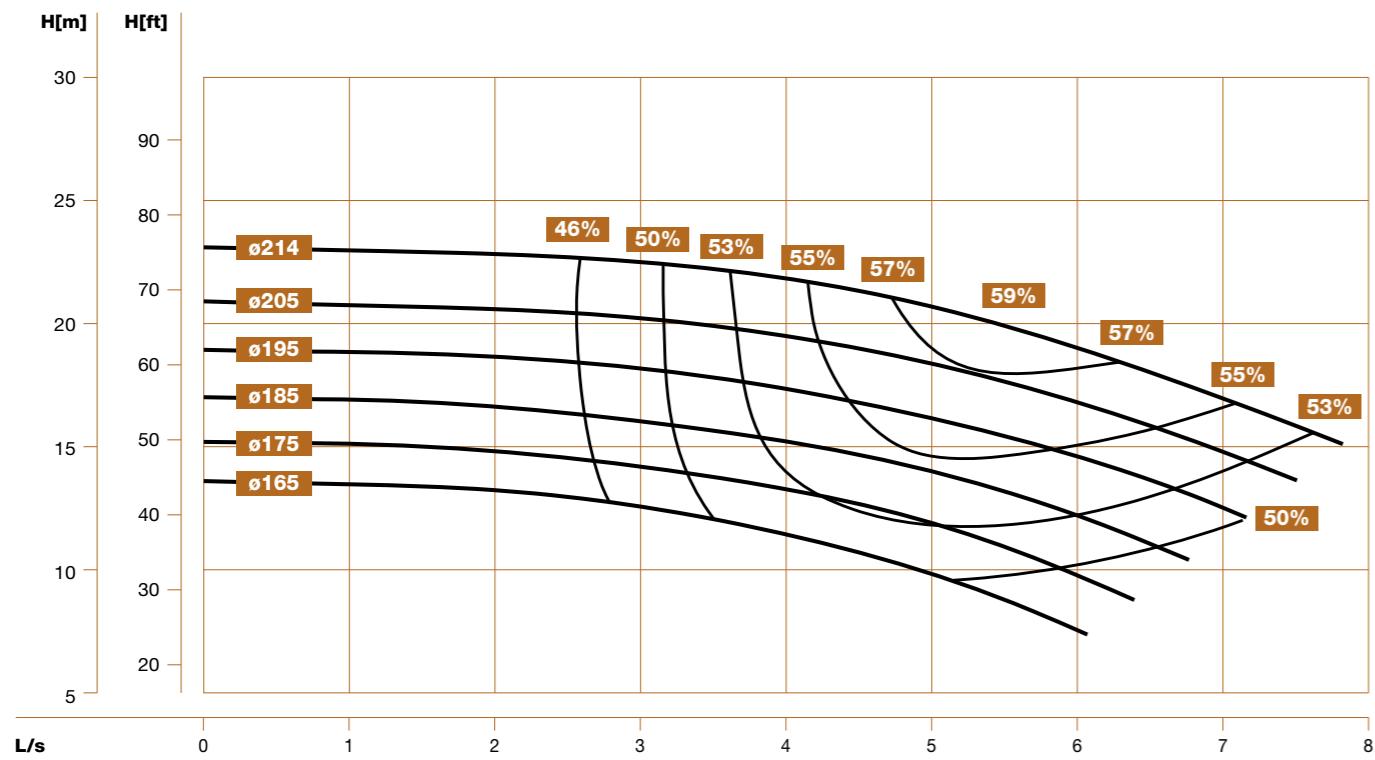
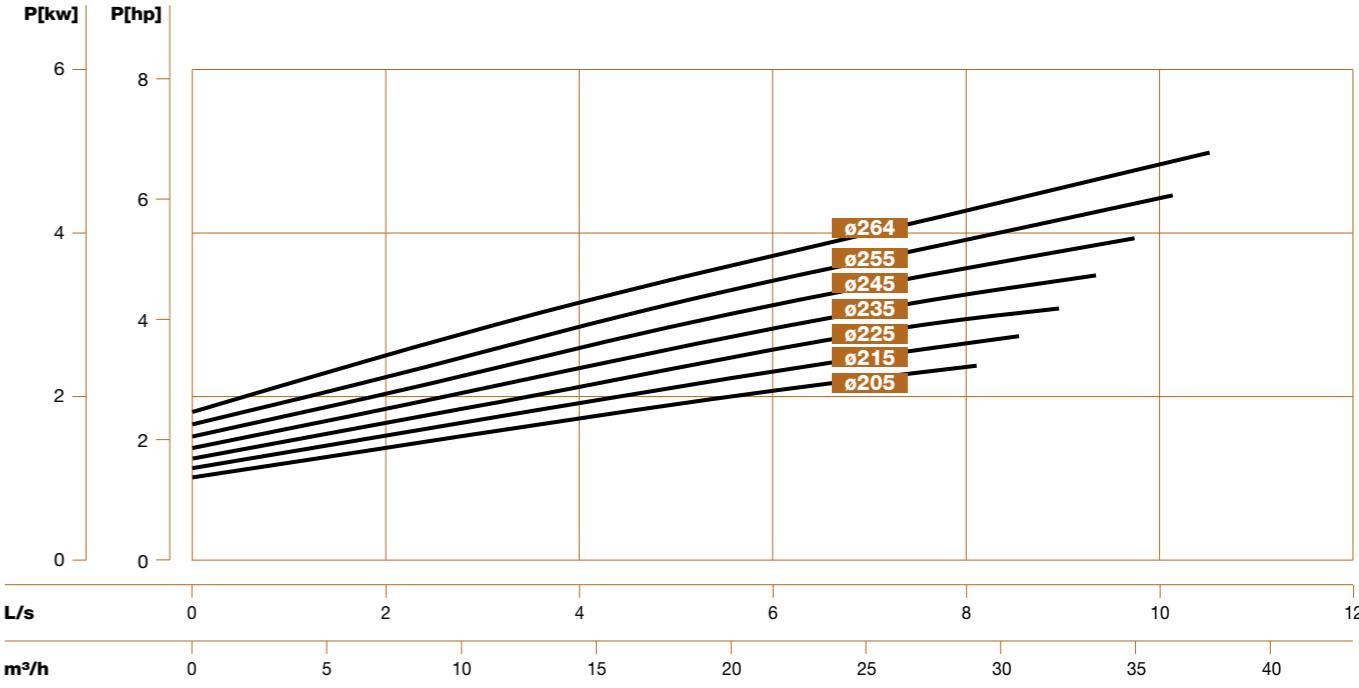
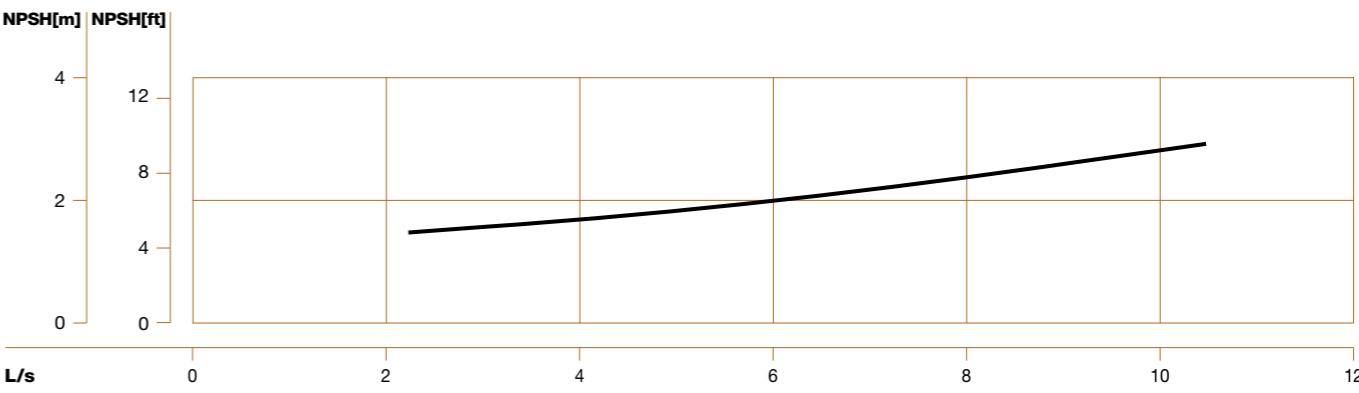
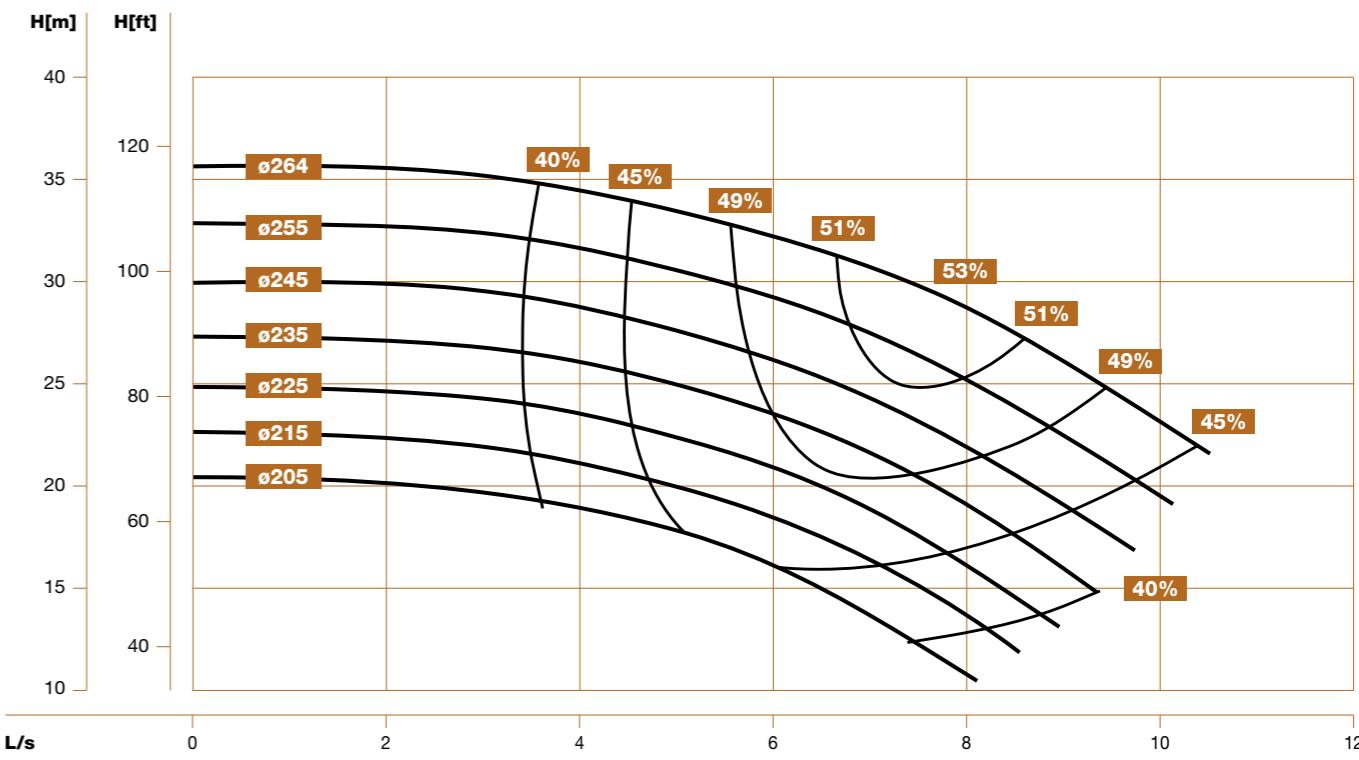
1750 rpm

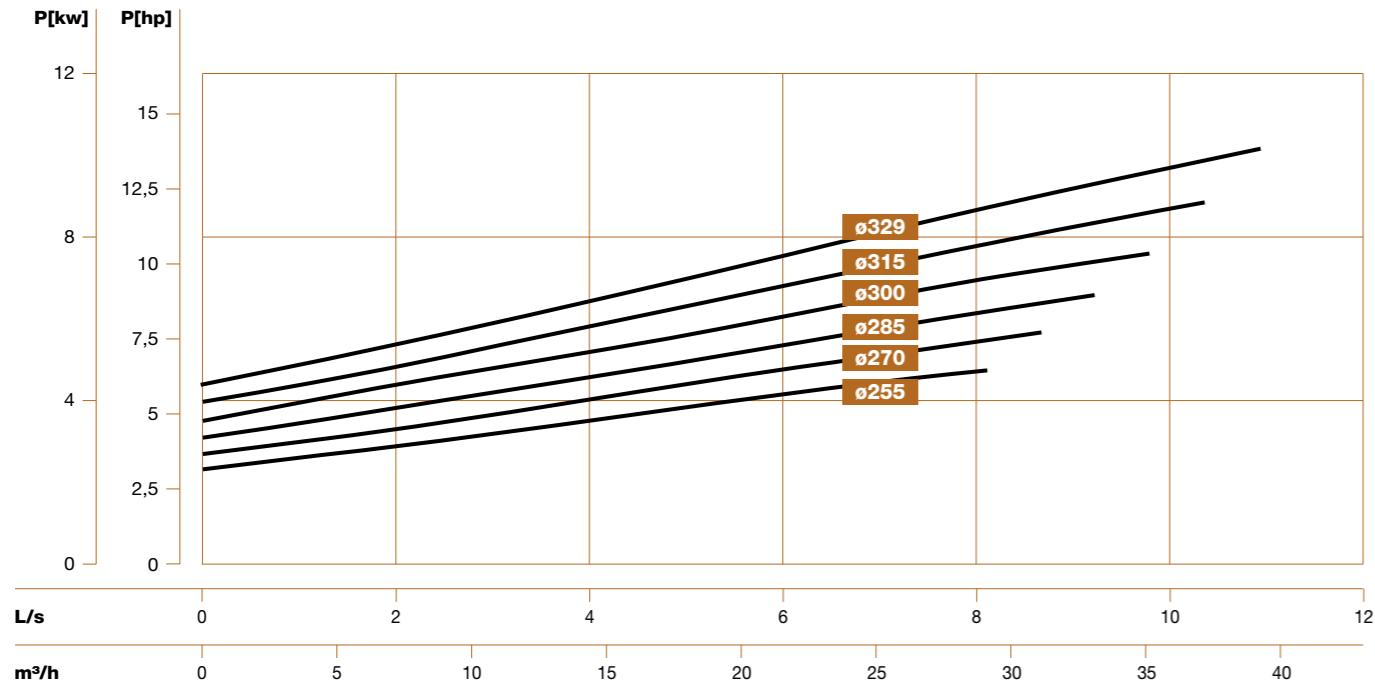
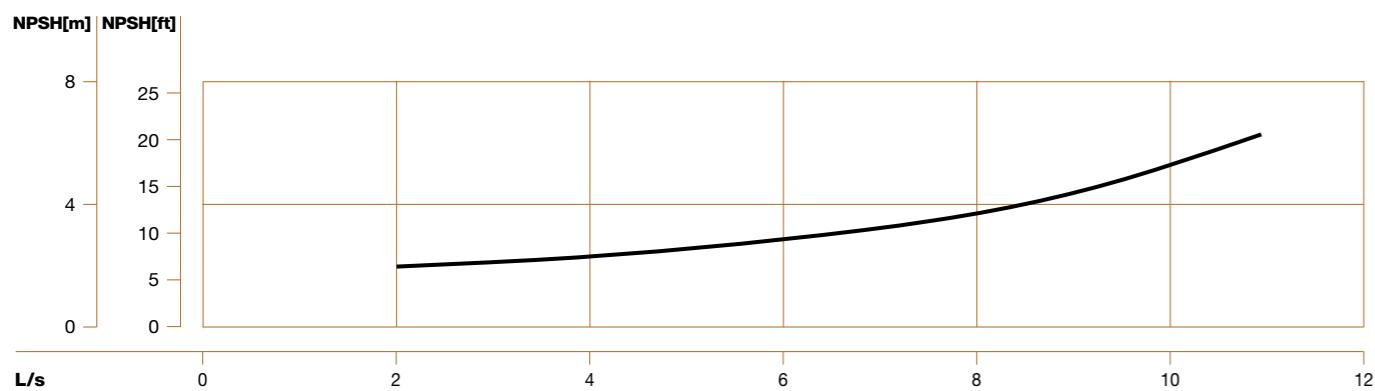
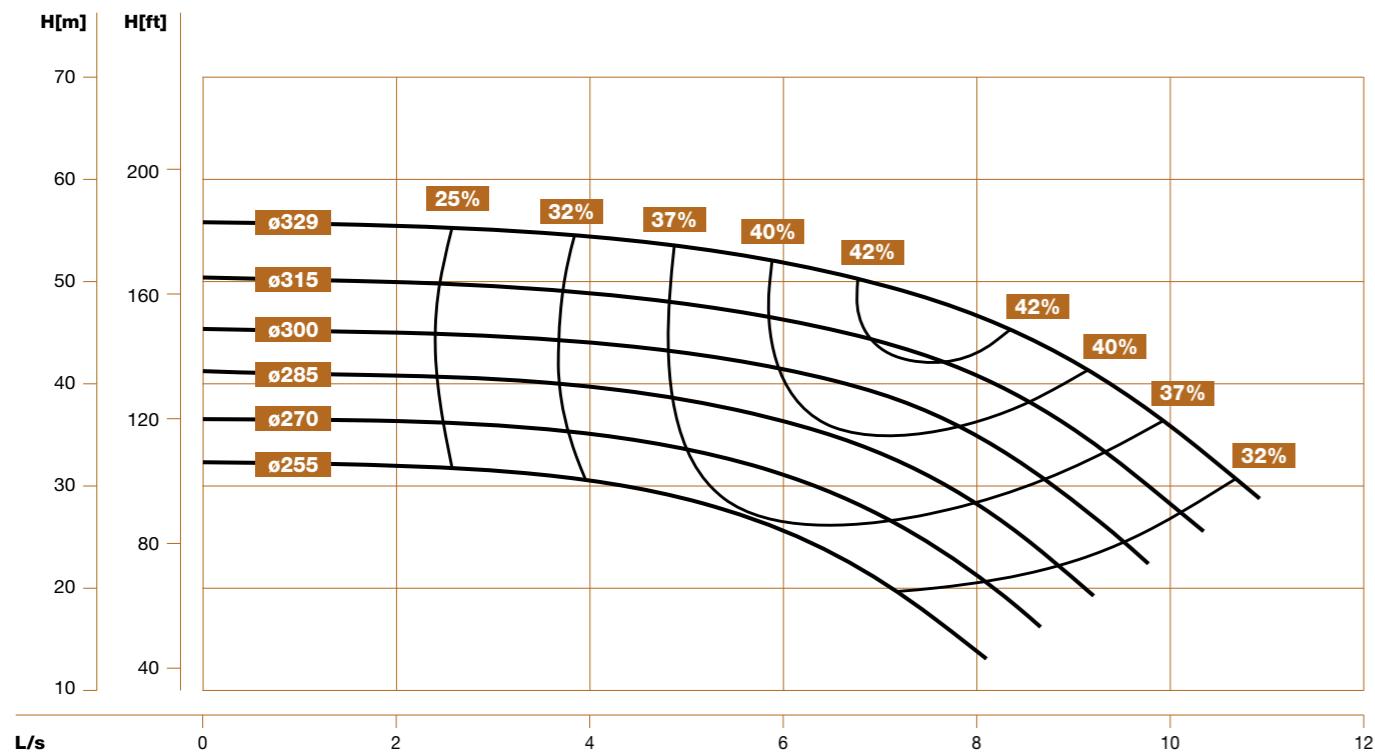
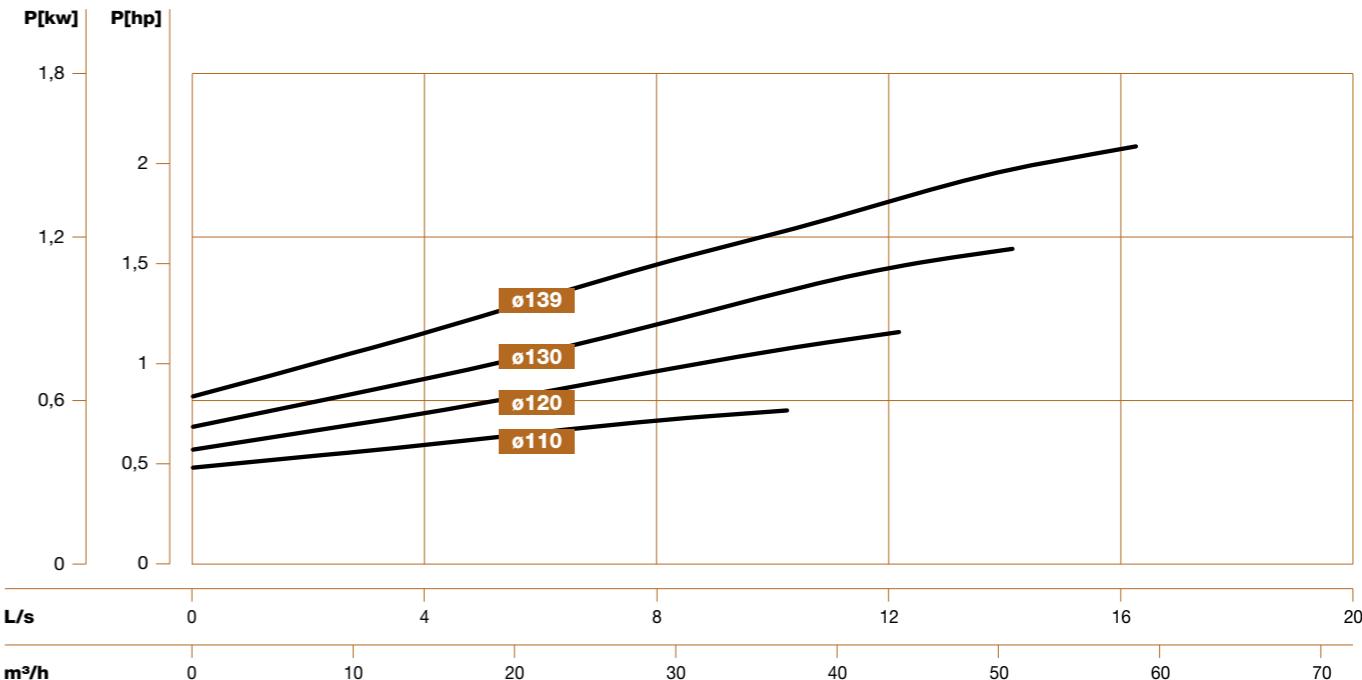
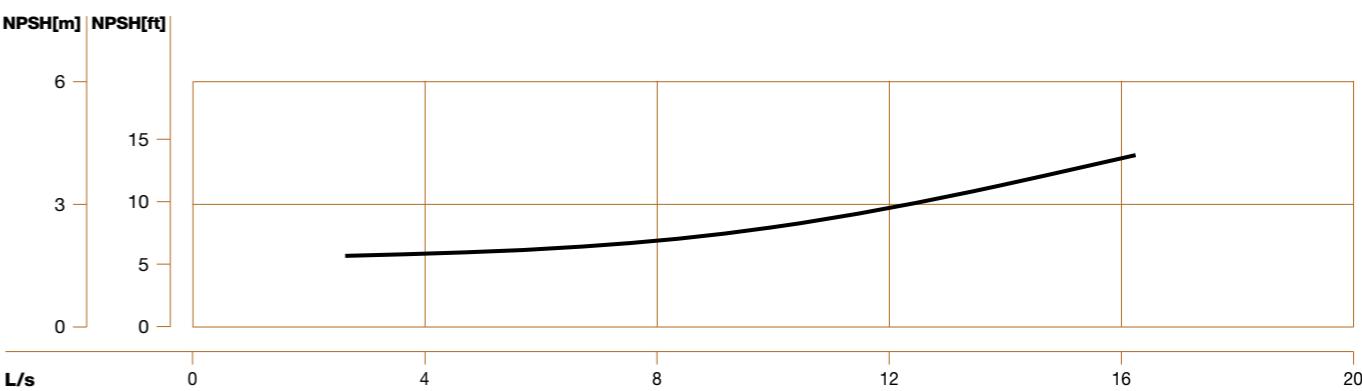
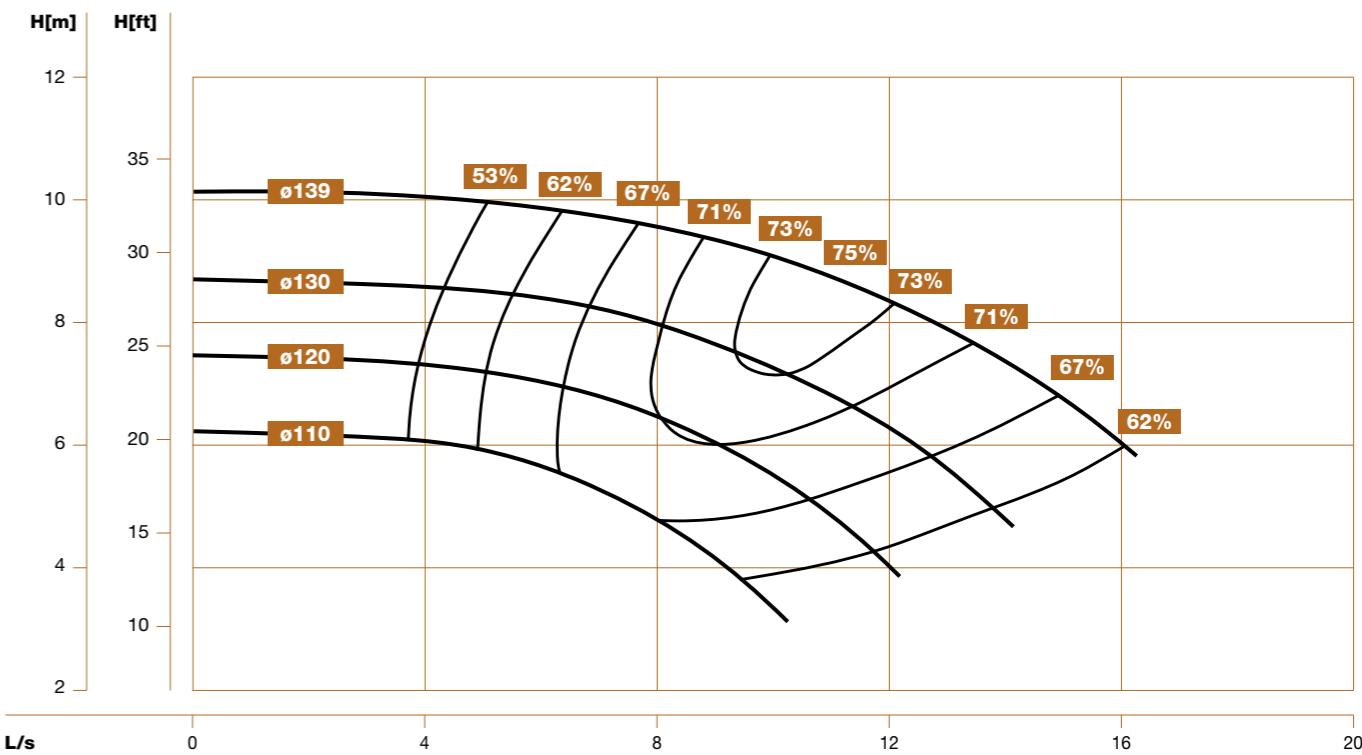


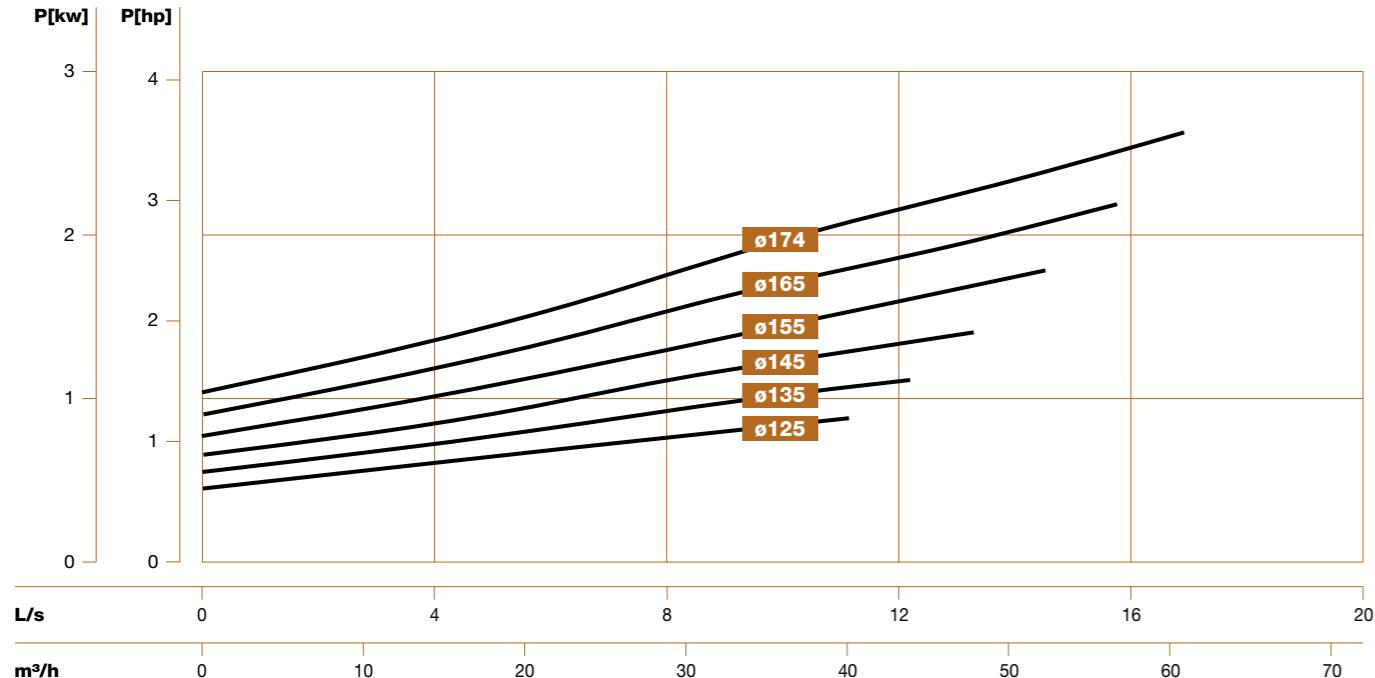
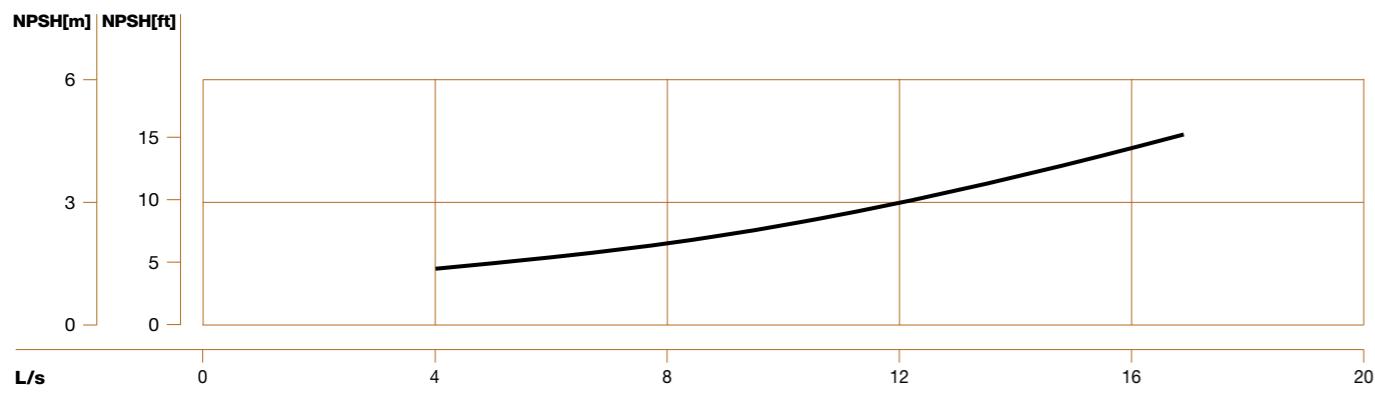
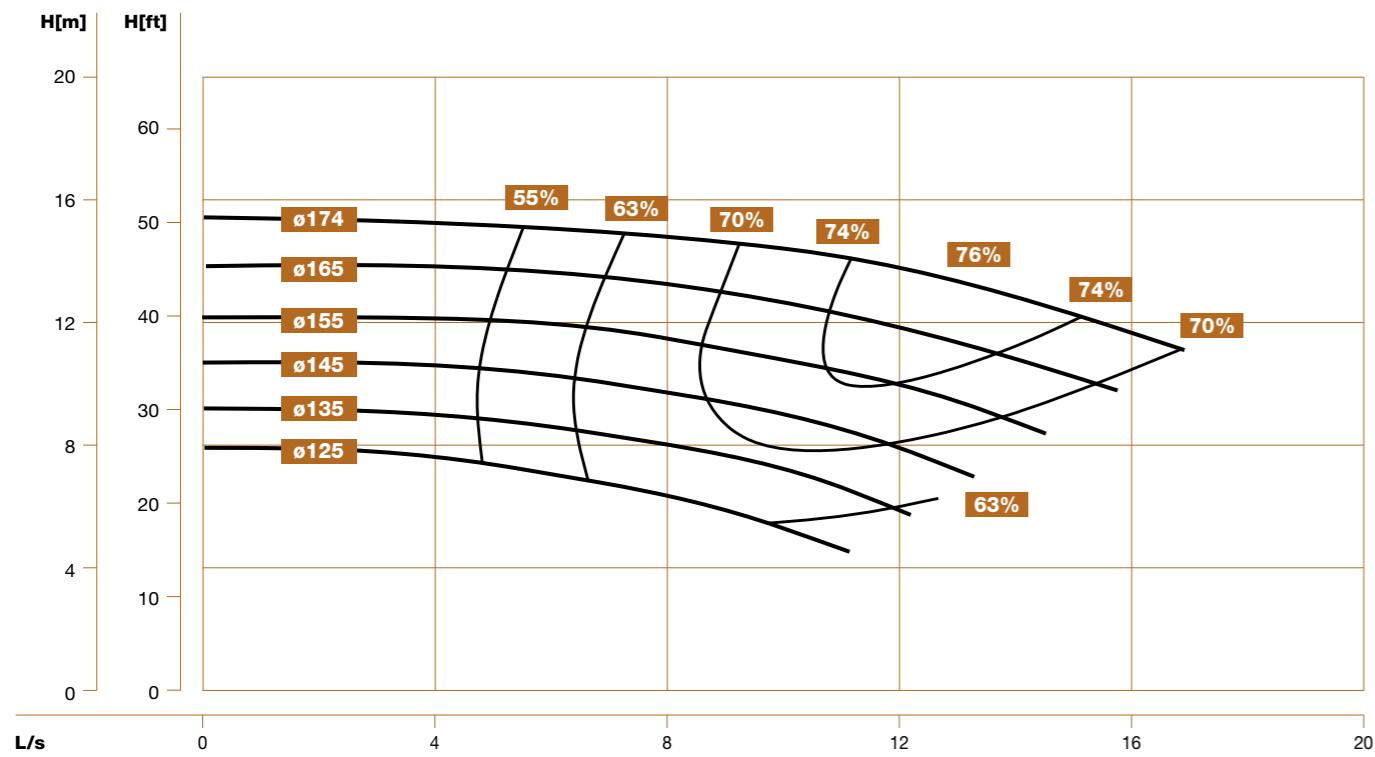
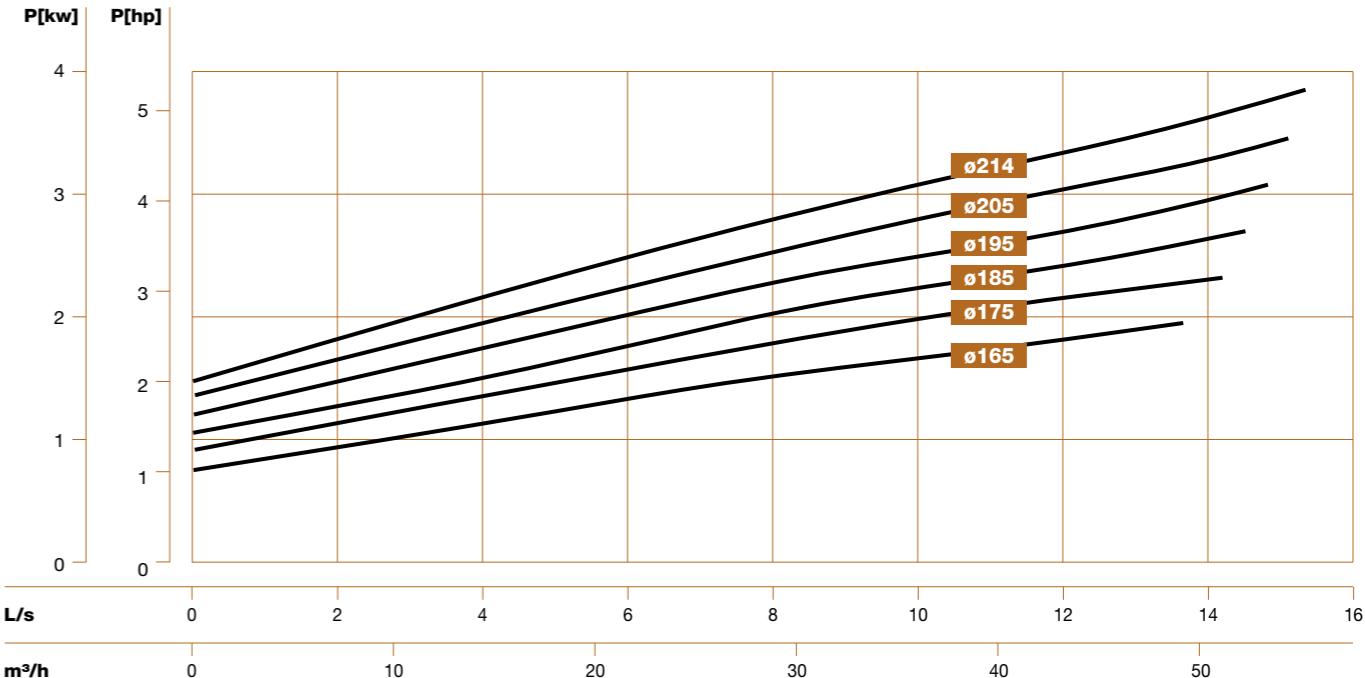
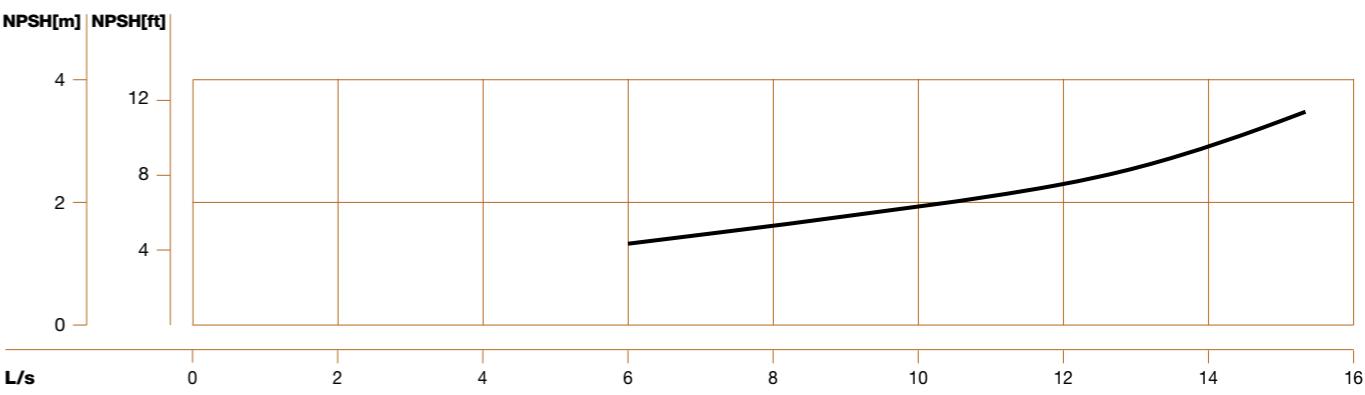
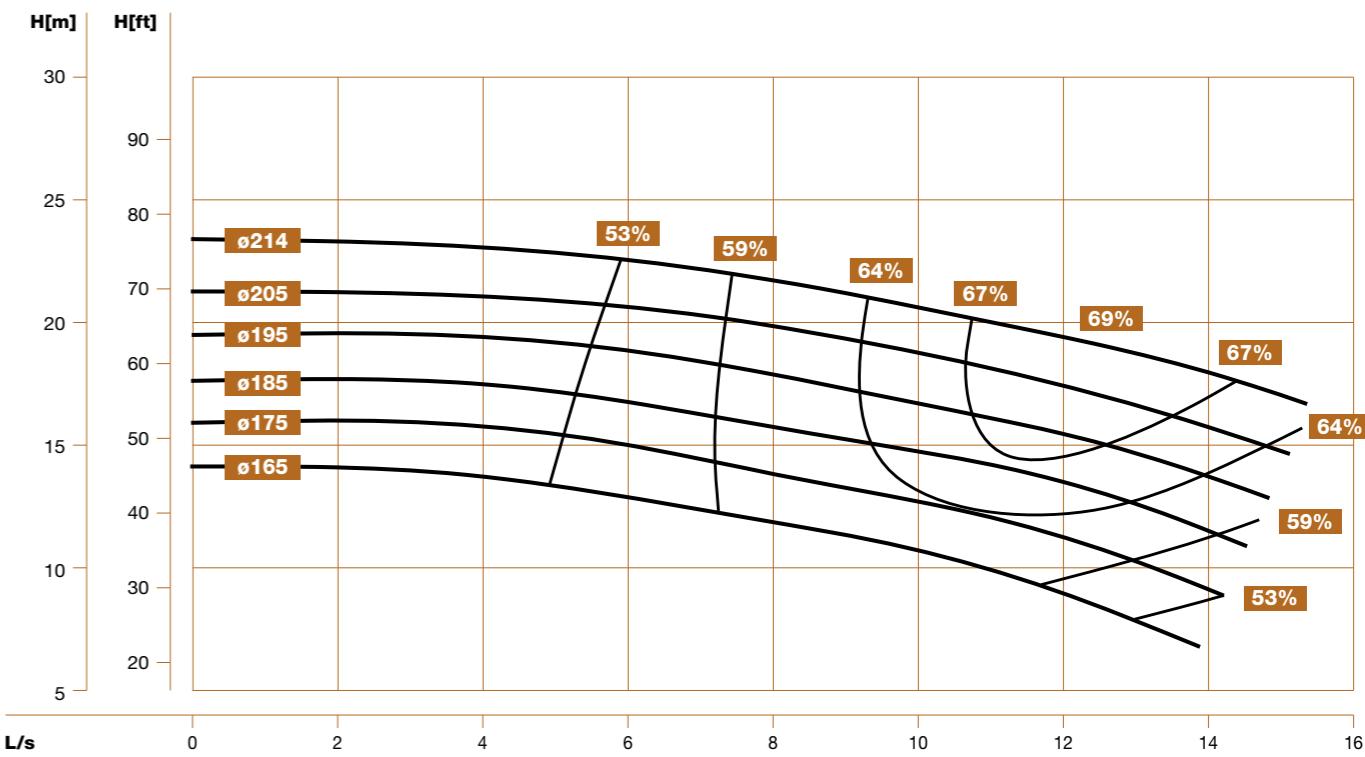
NLF65-40-160

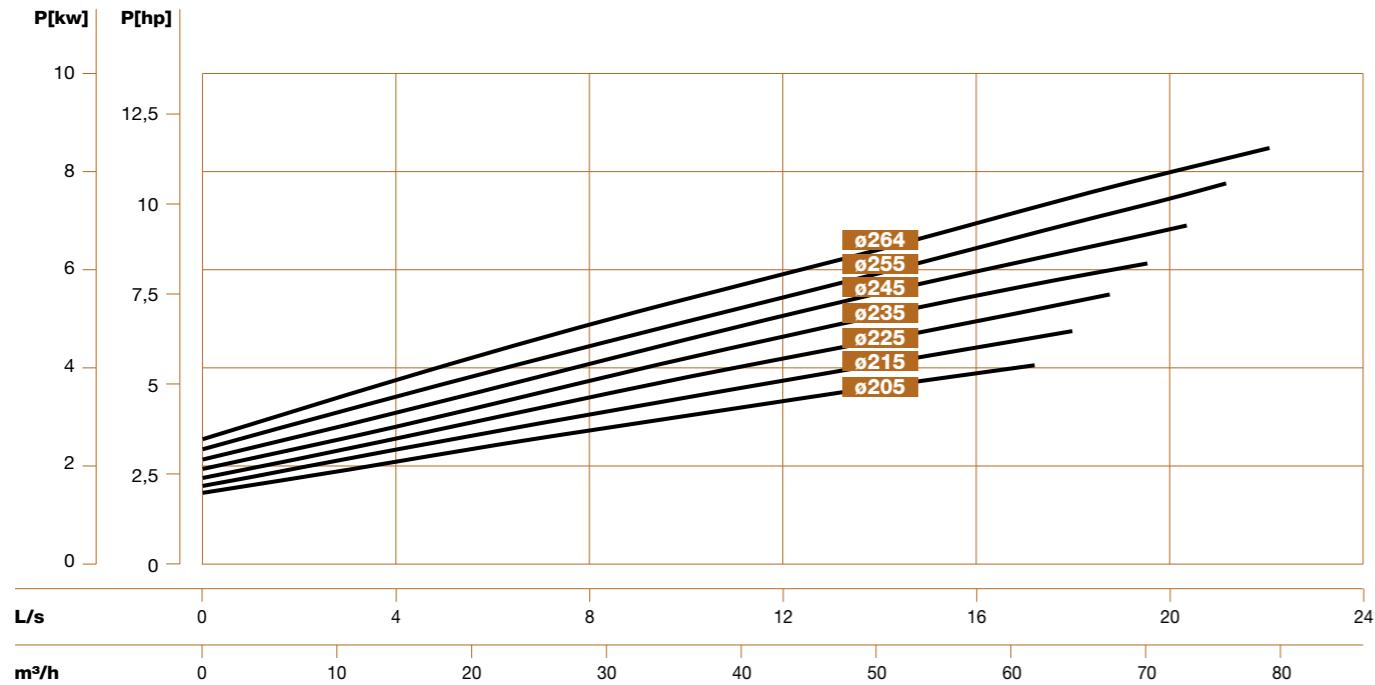
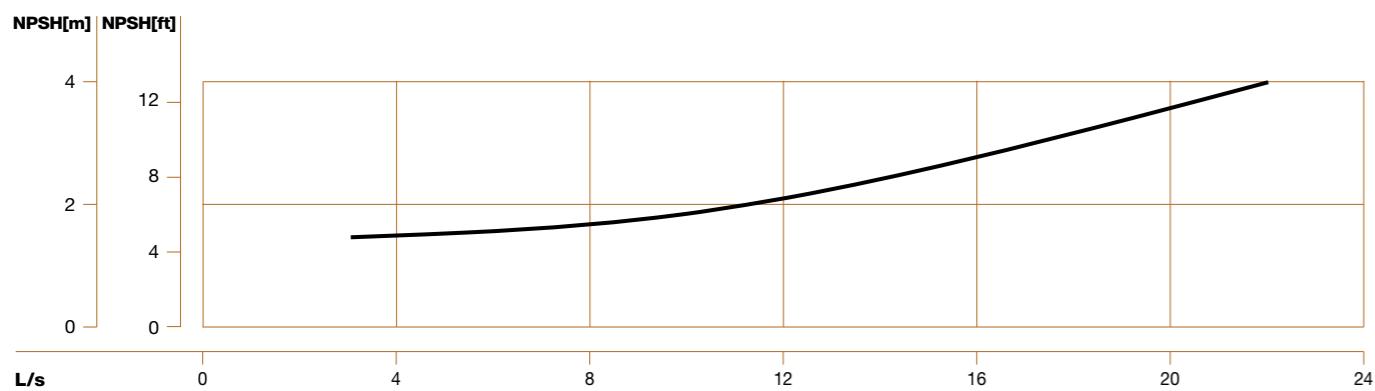
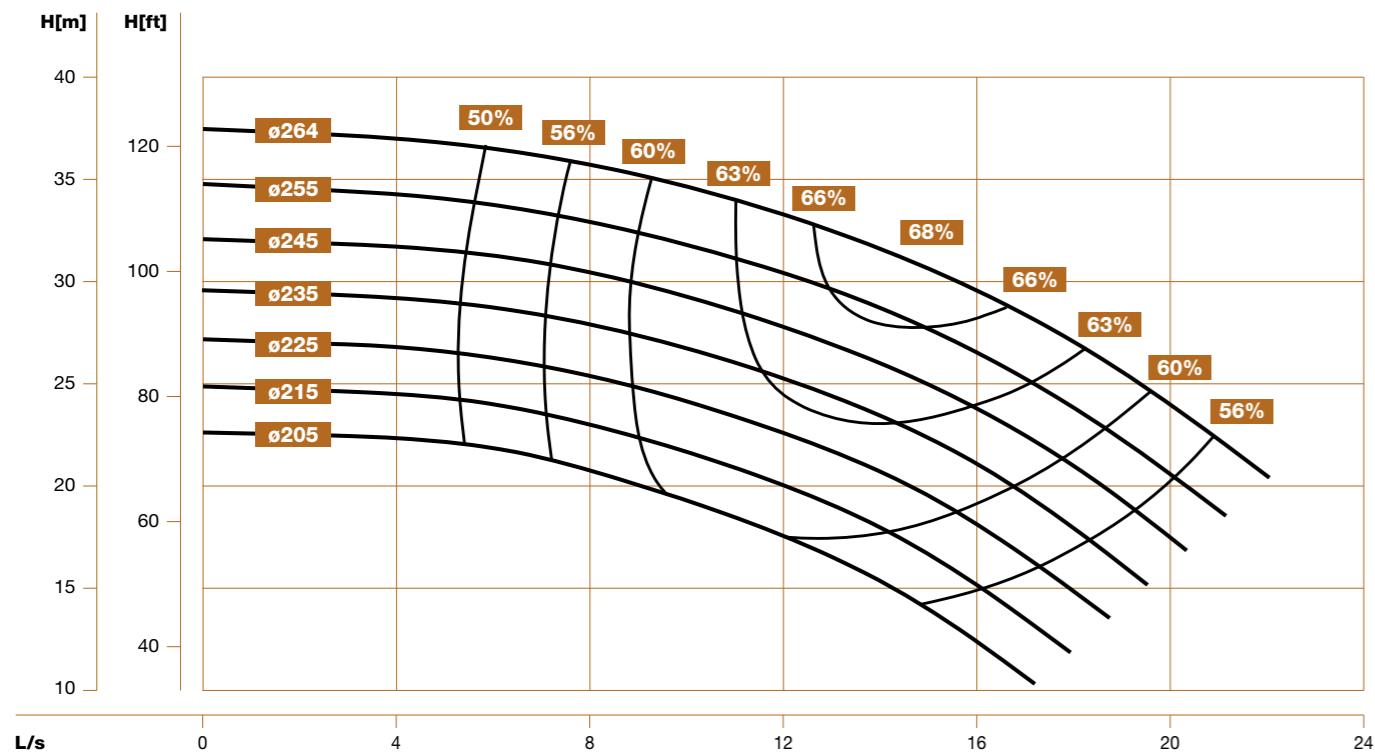
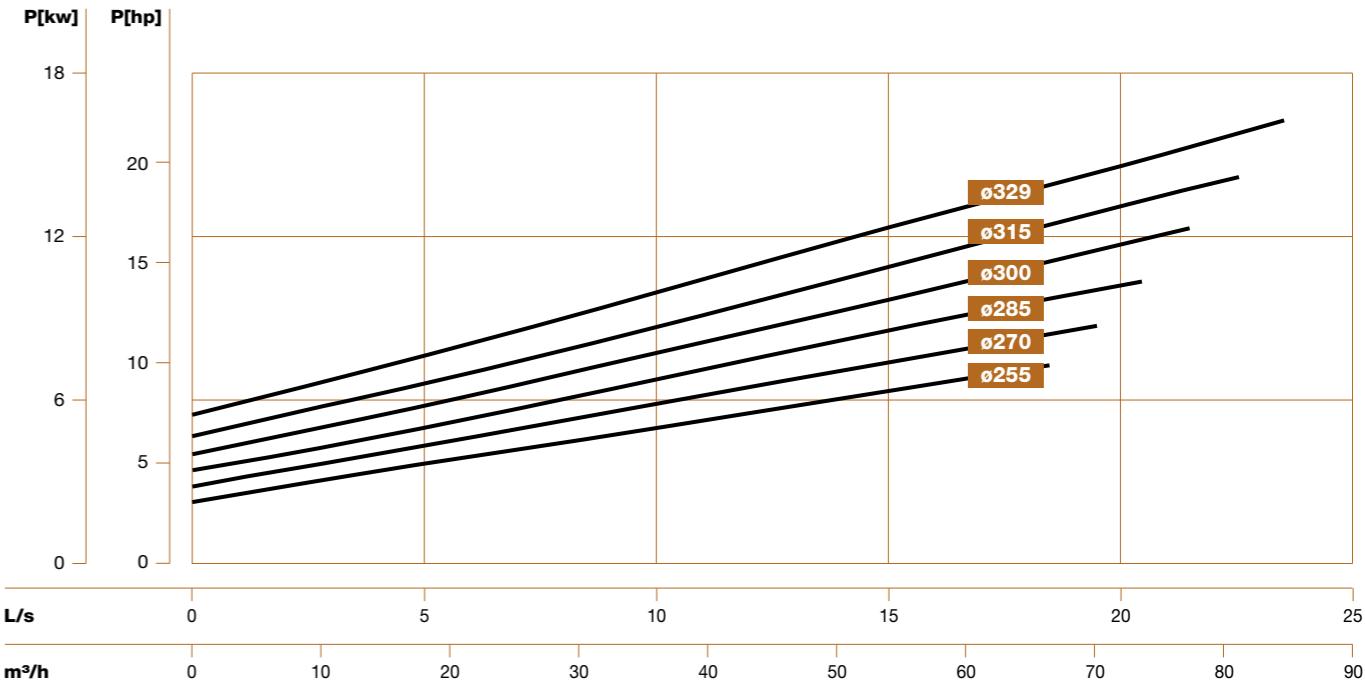
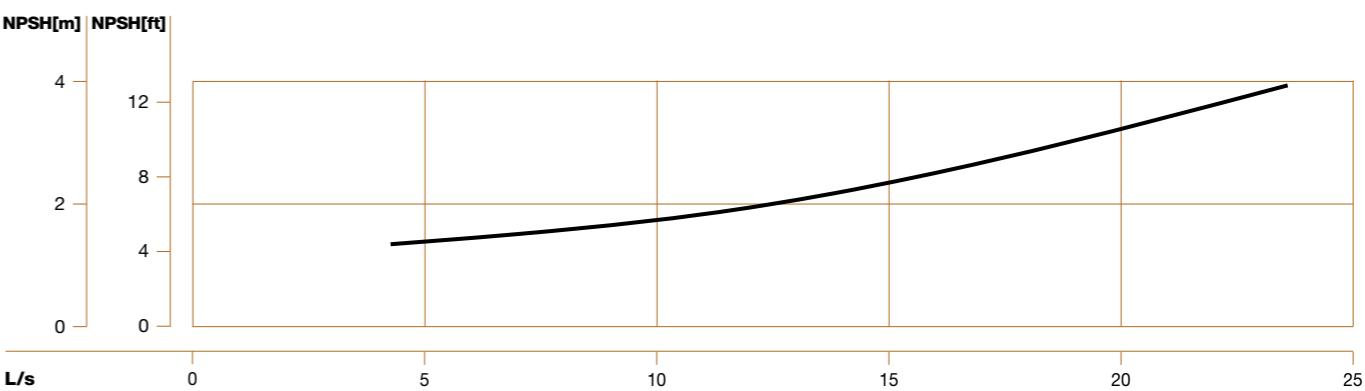
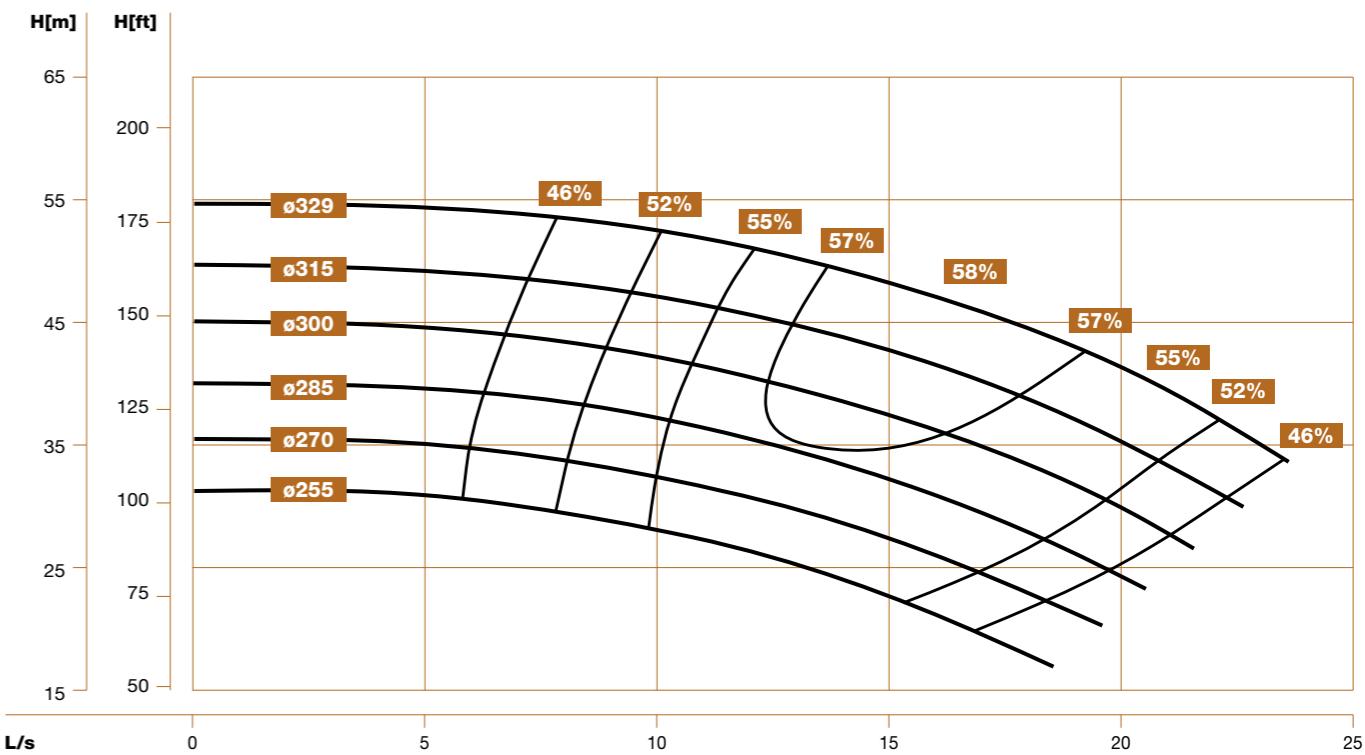
1750 rpm

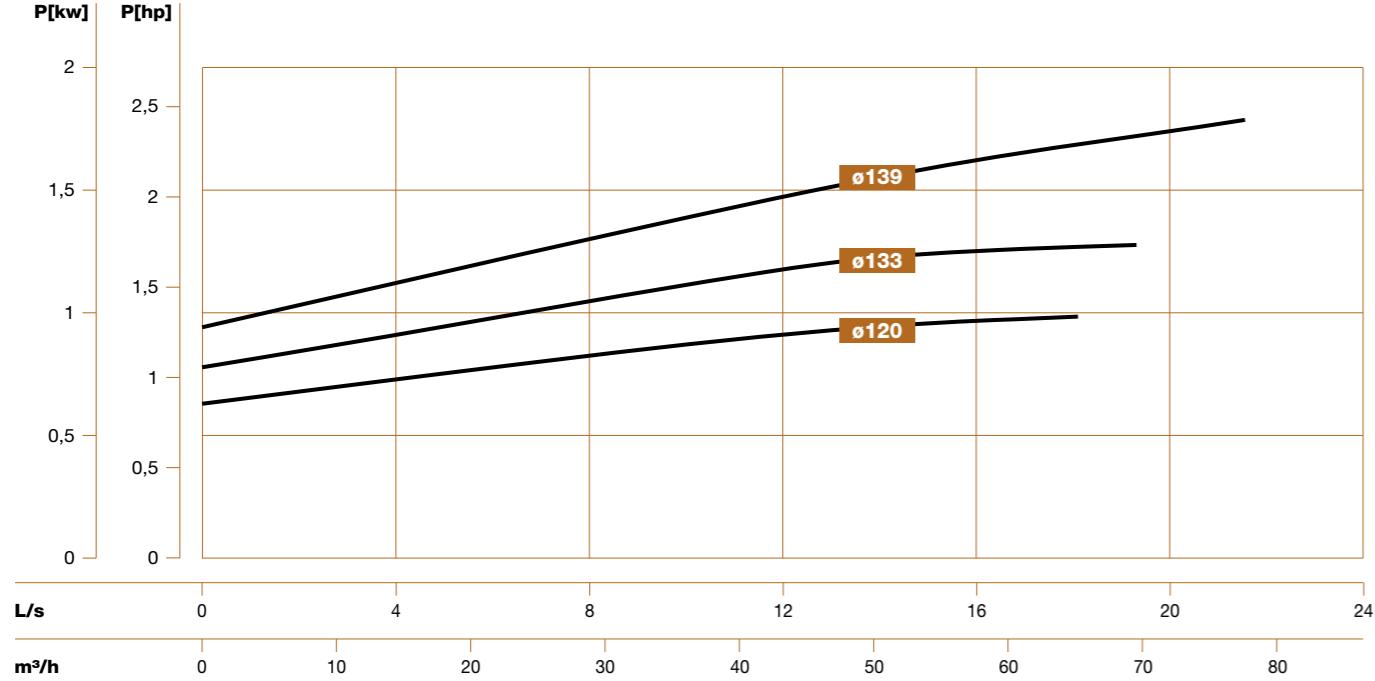
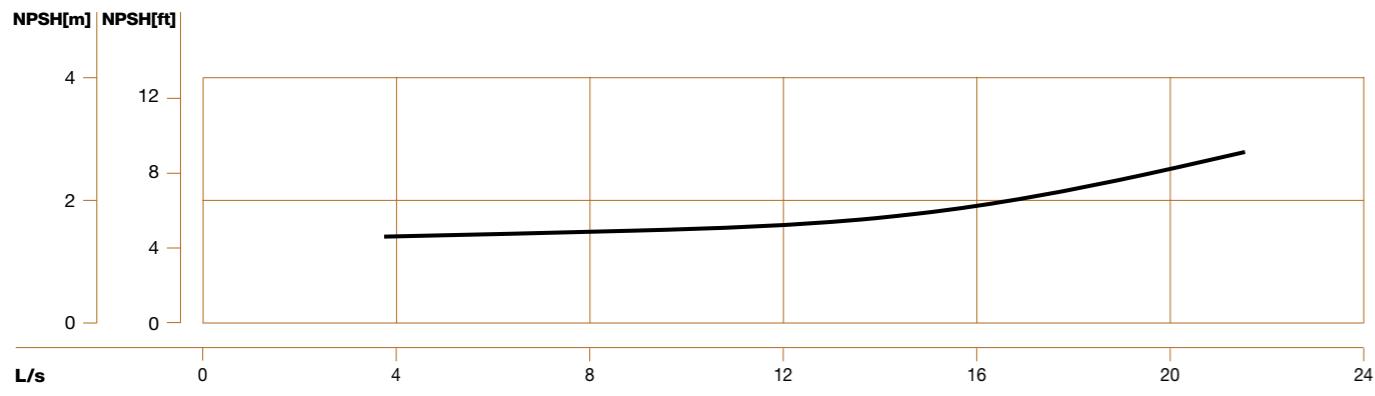
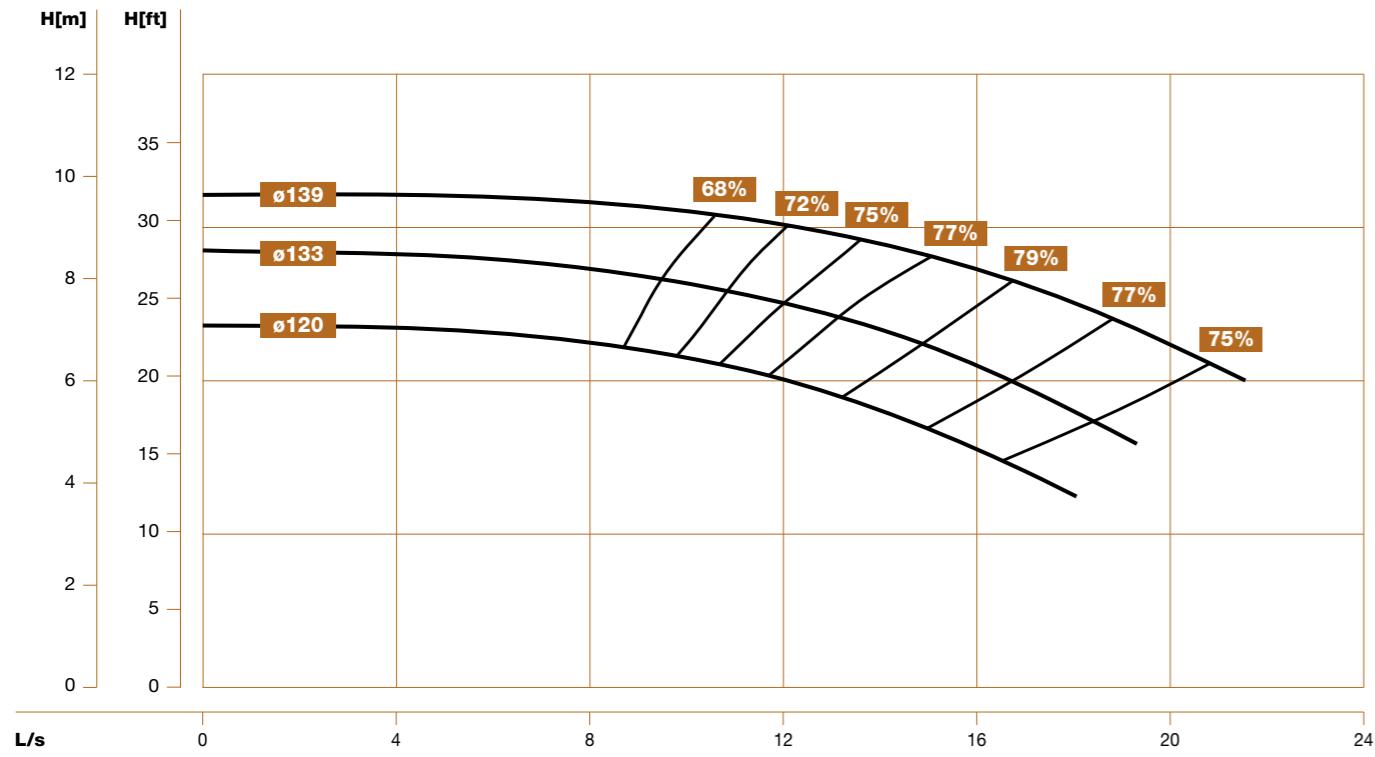
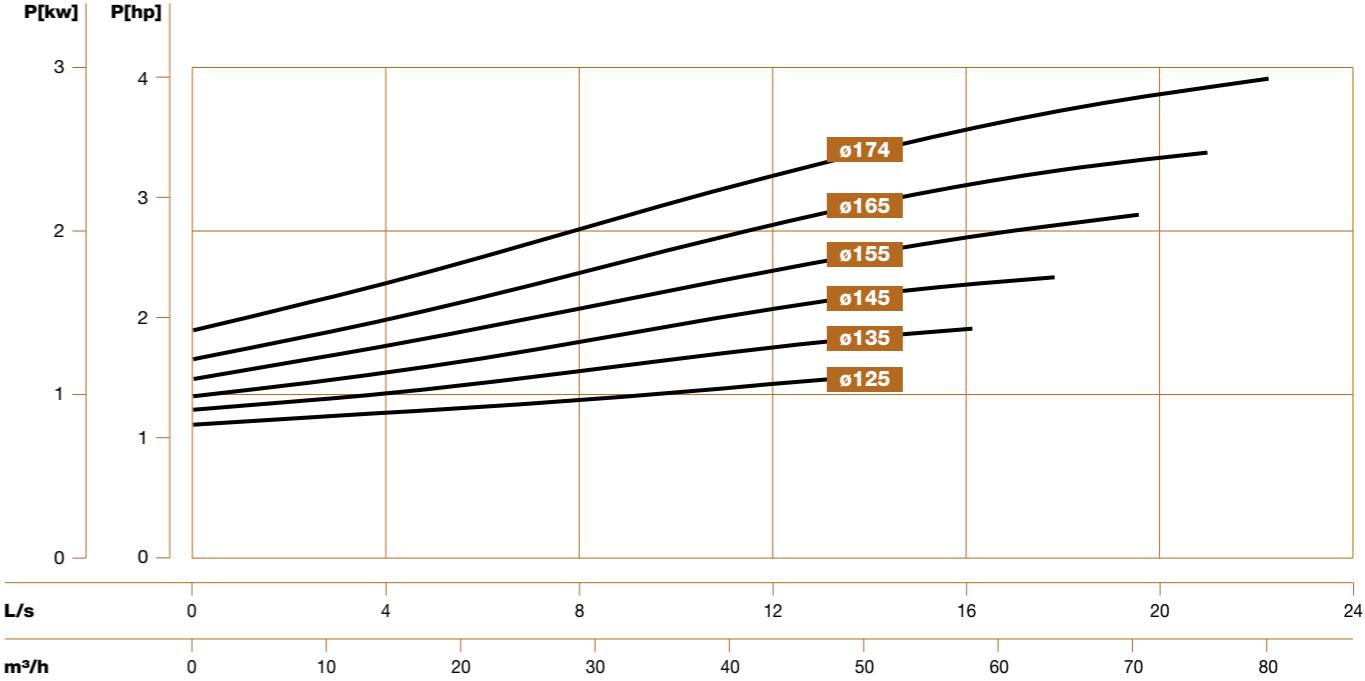
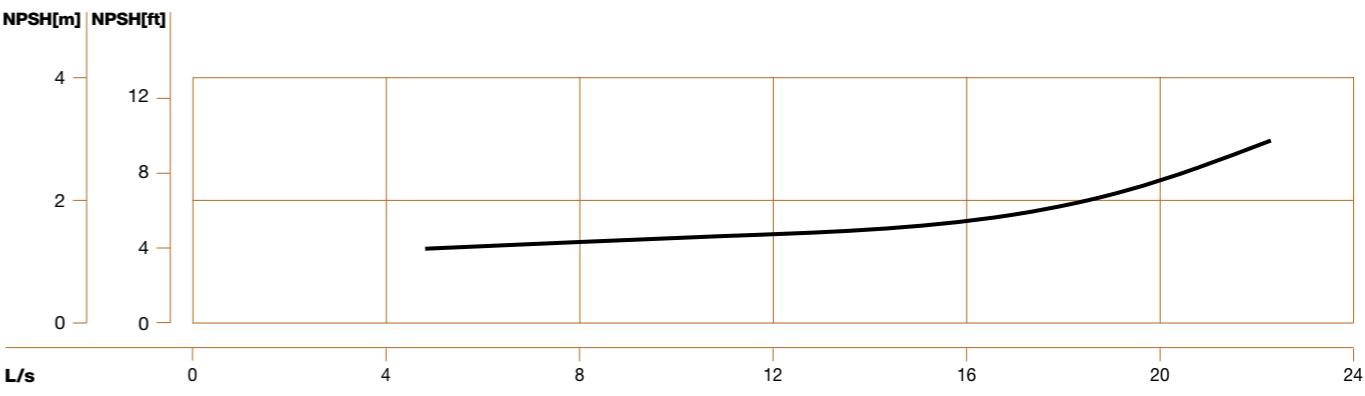
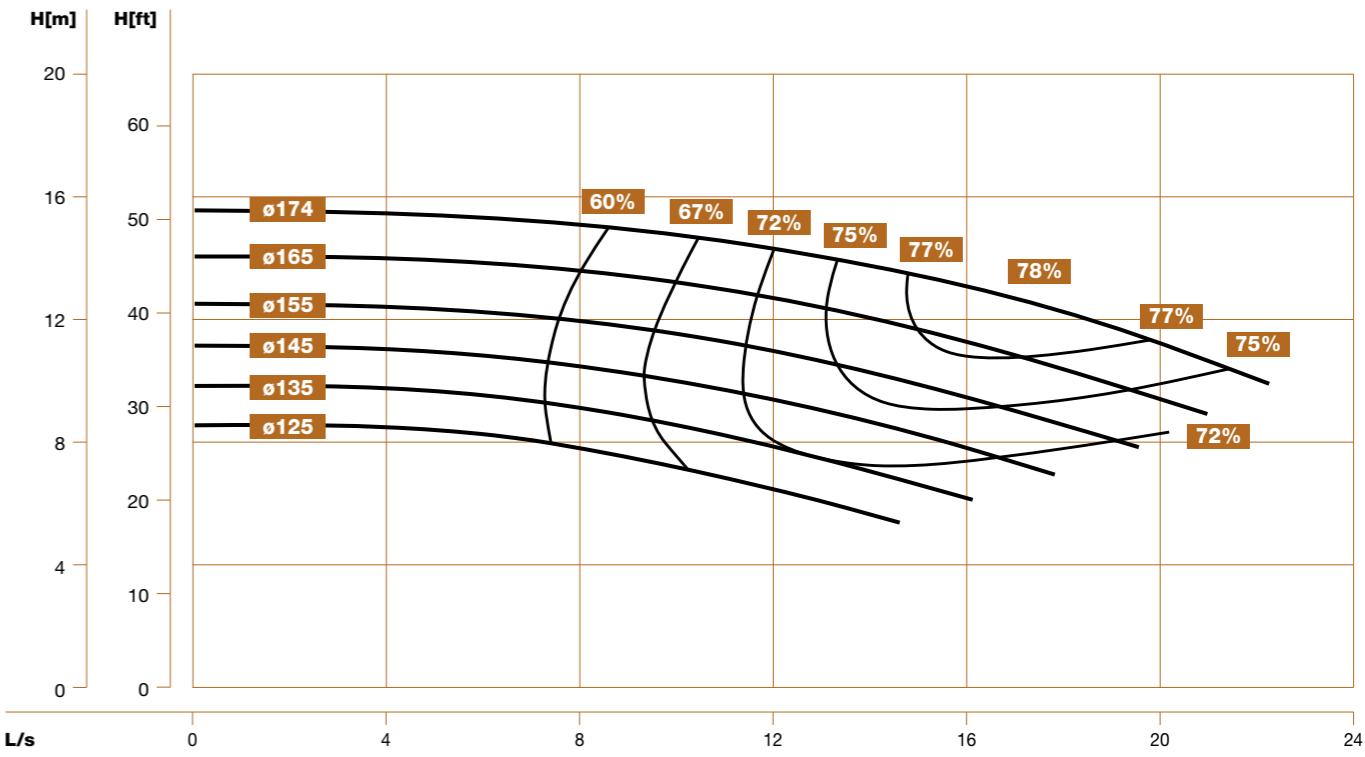


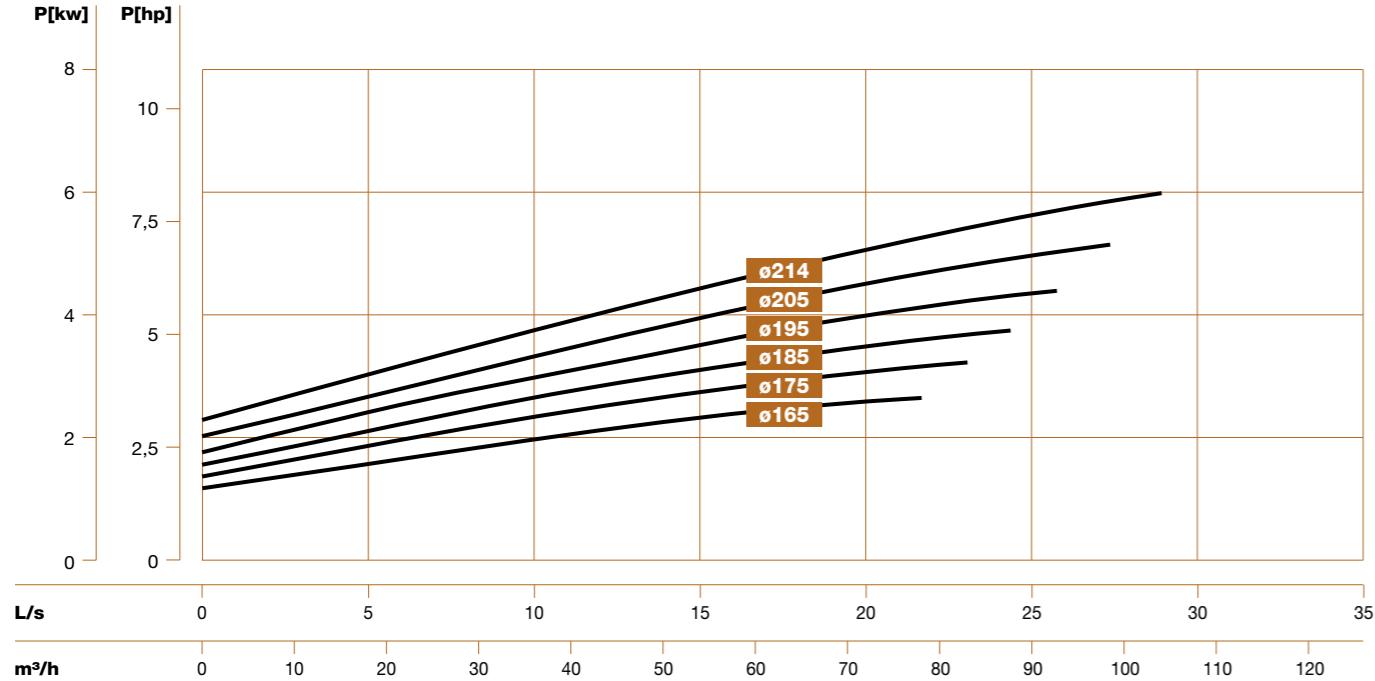
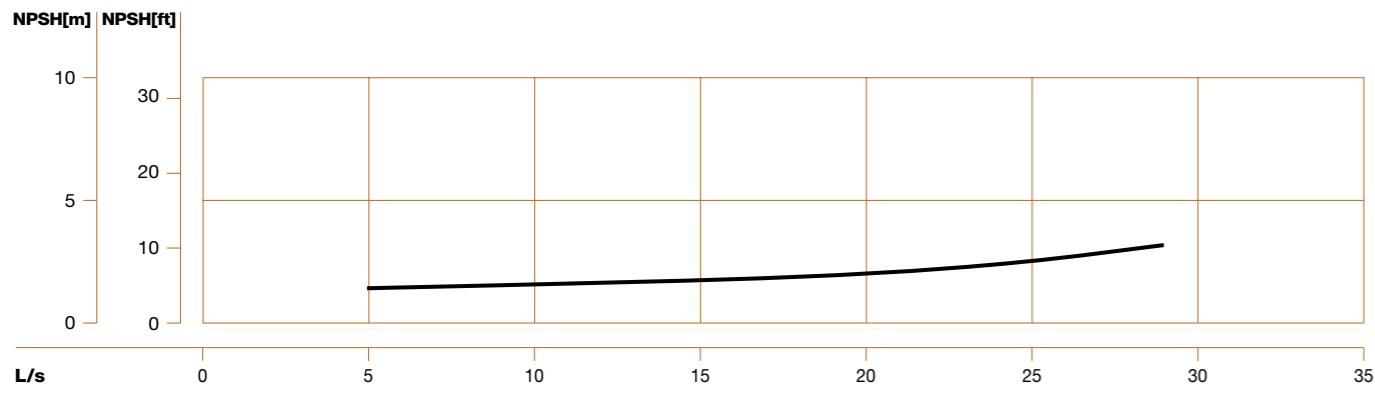
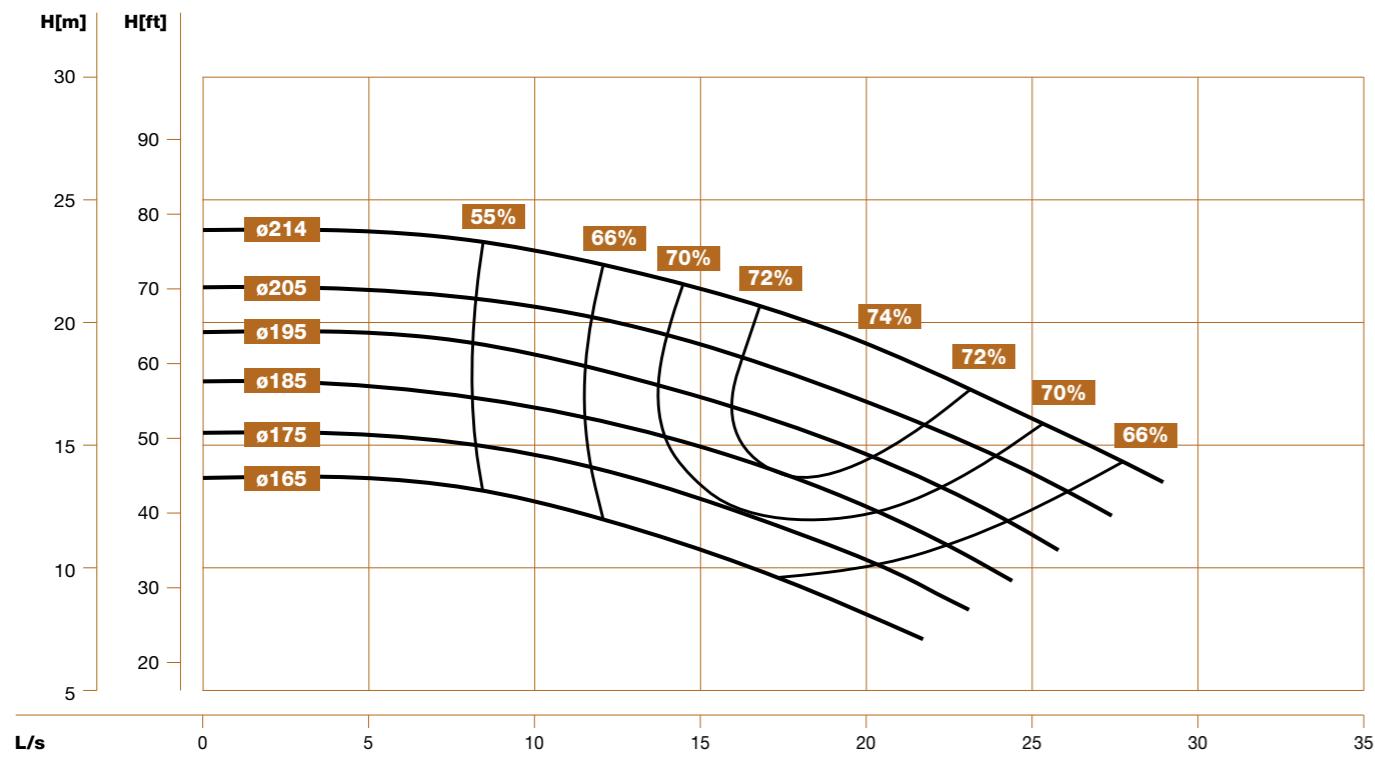
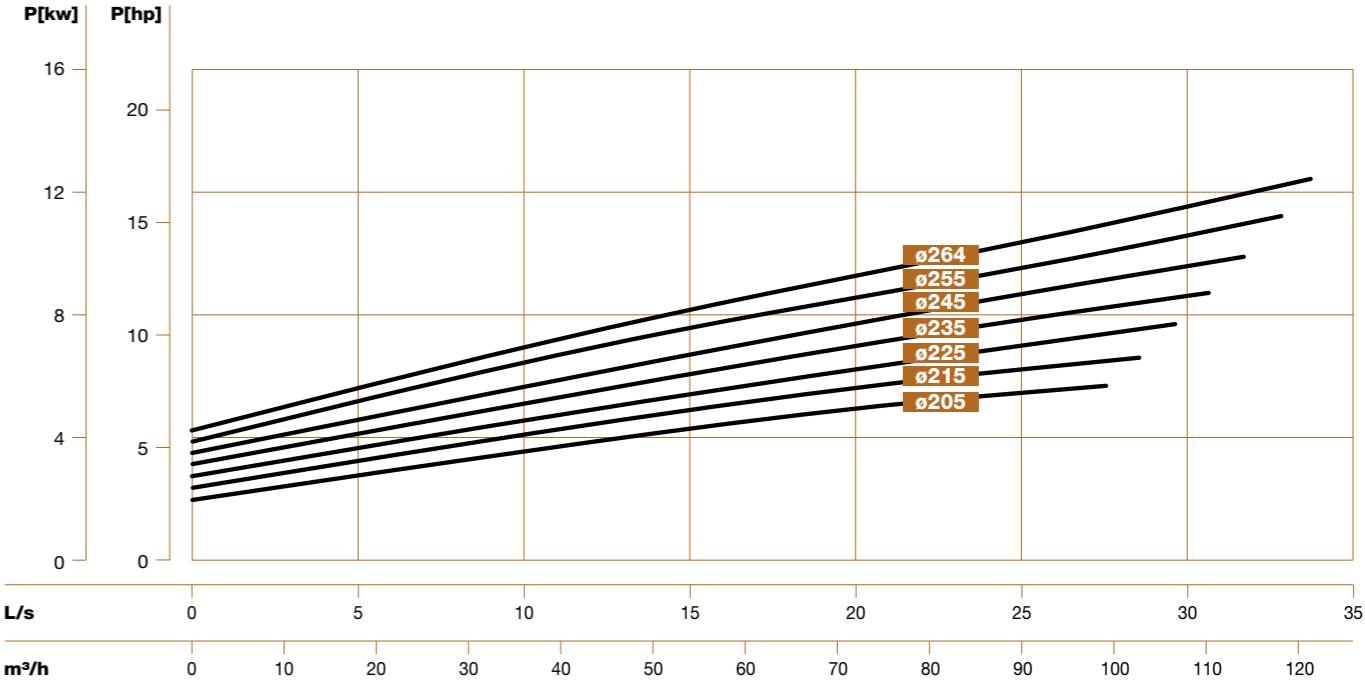
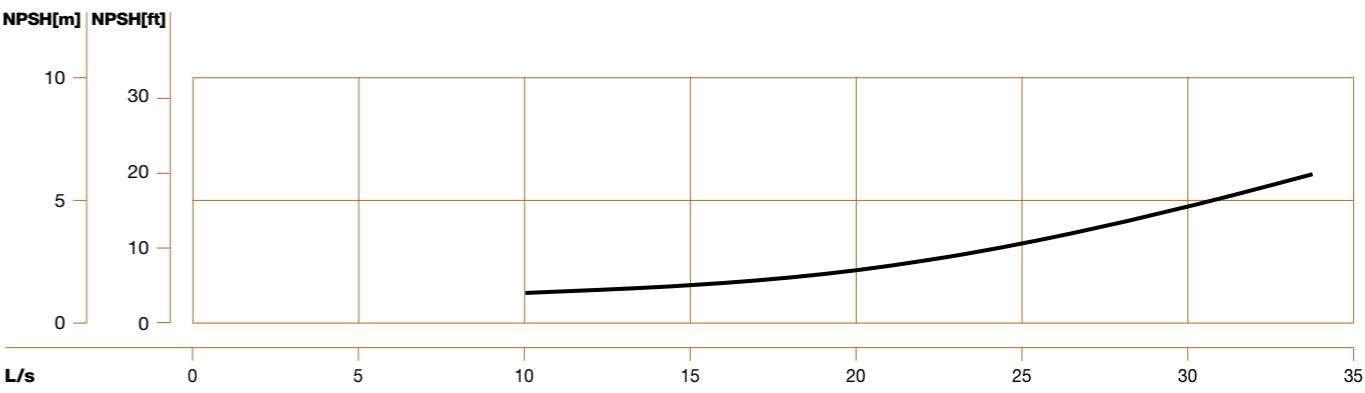
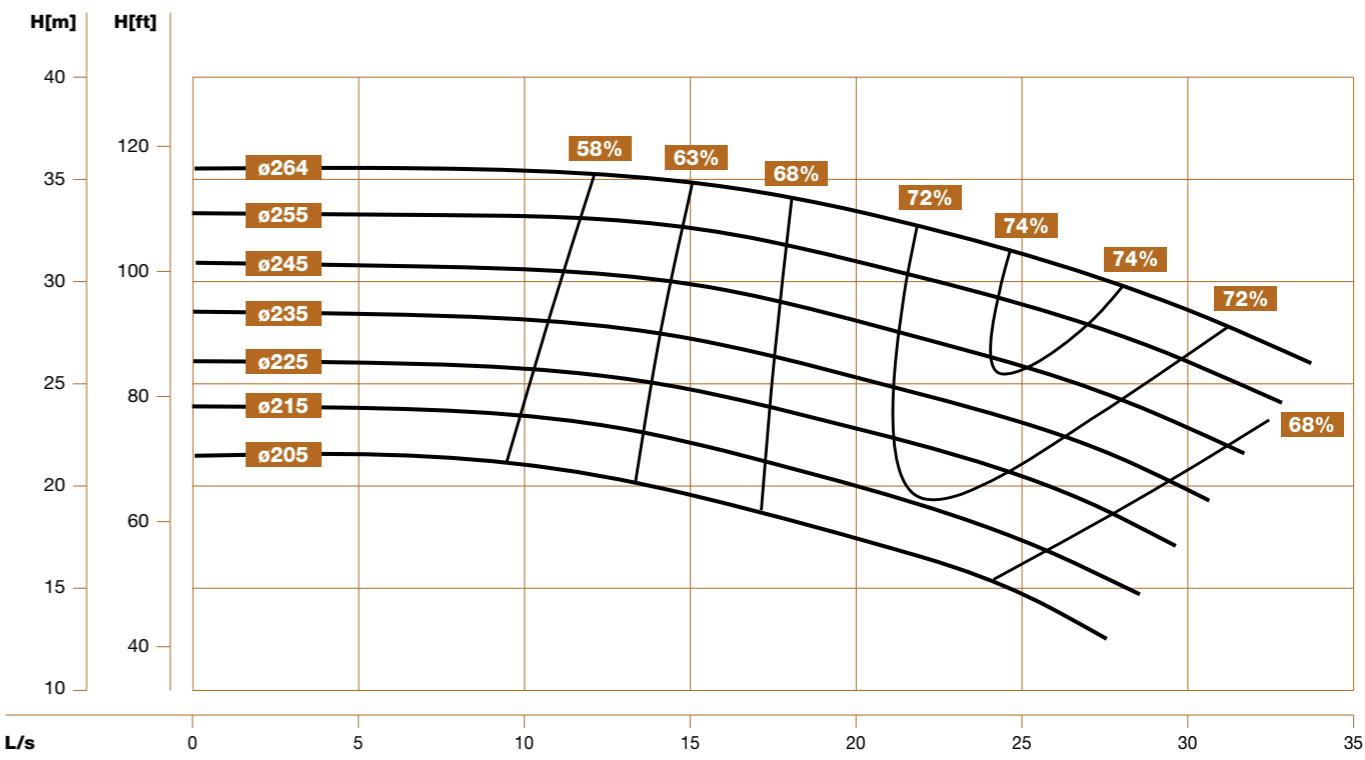
**NLF65-40-200****1750 rpm****NLF65-40-250****1750 rpm**

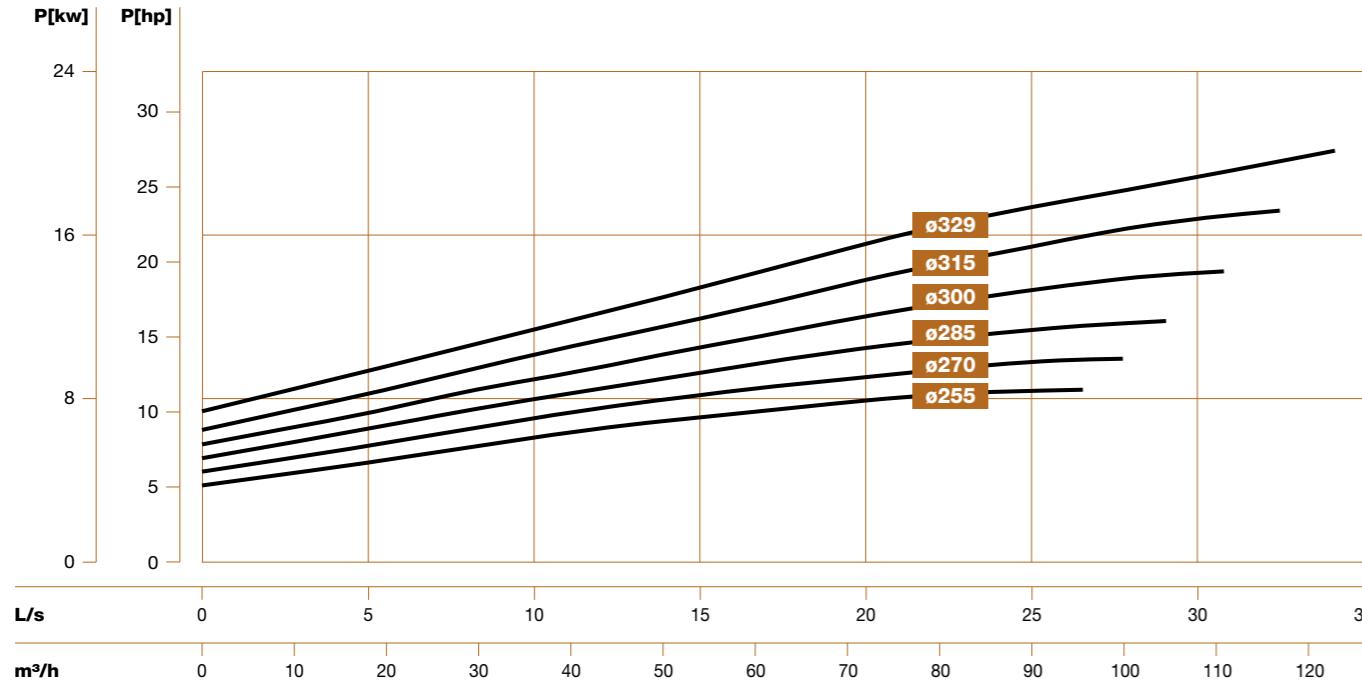
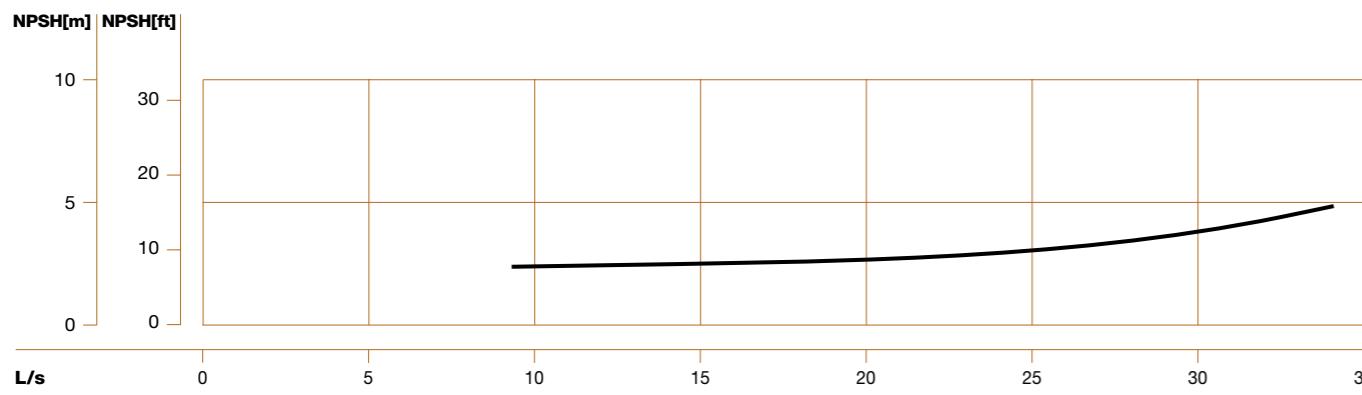
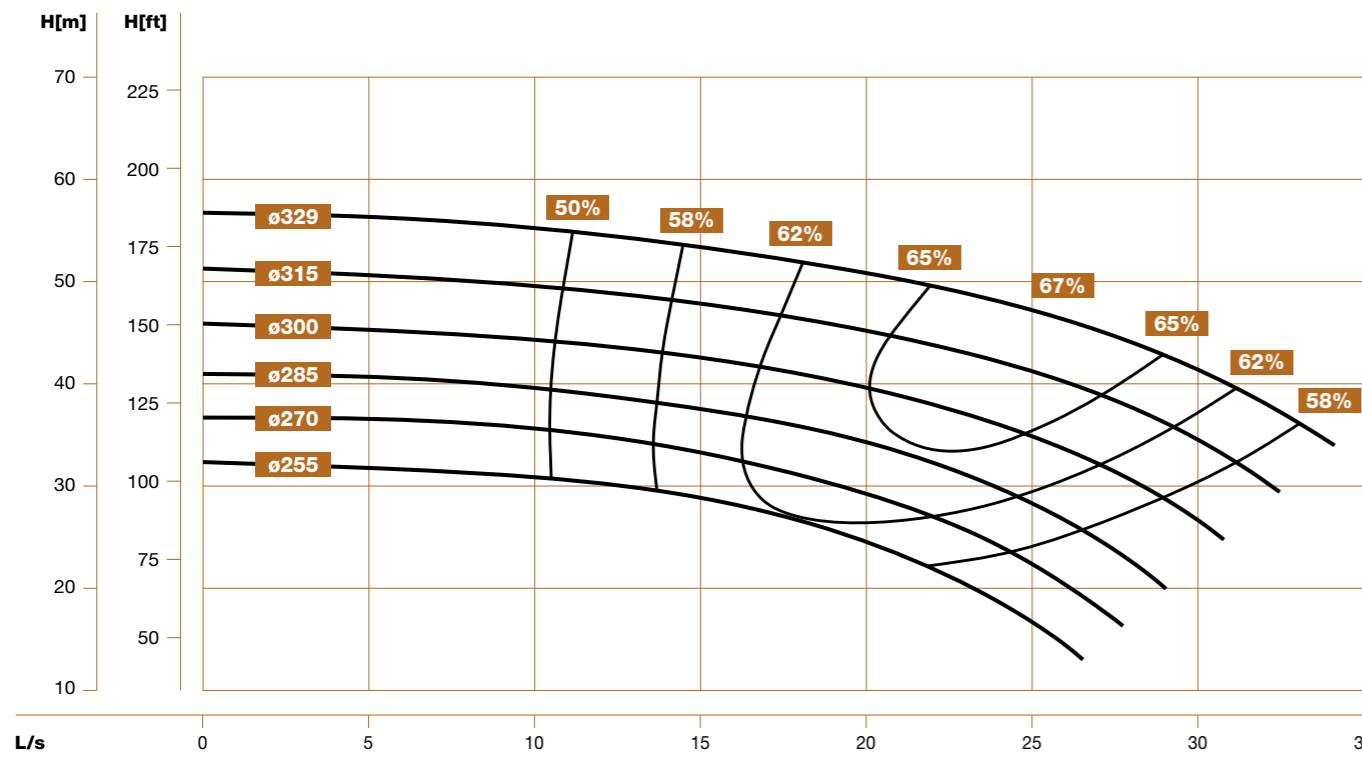
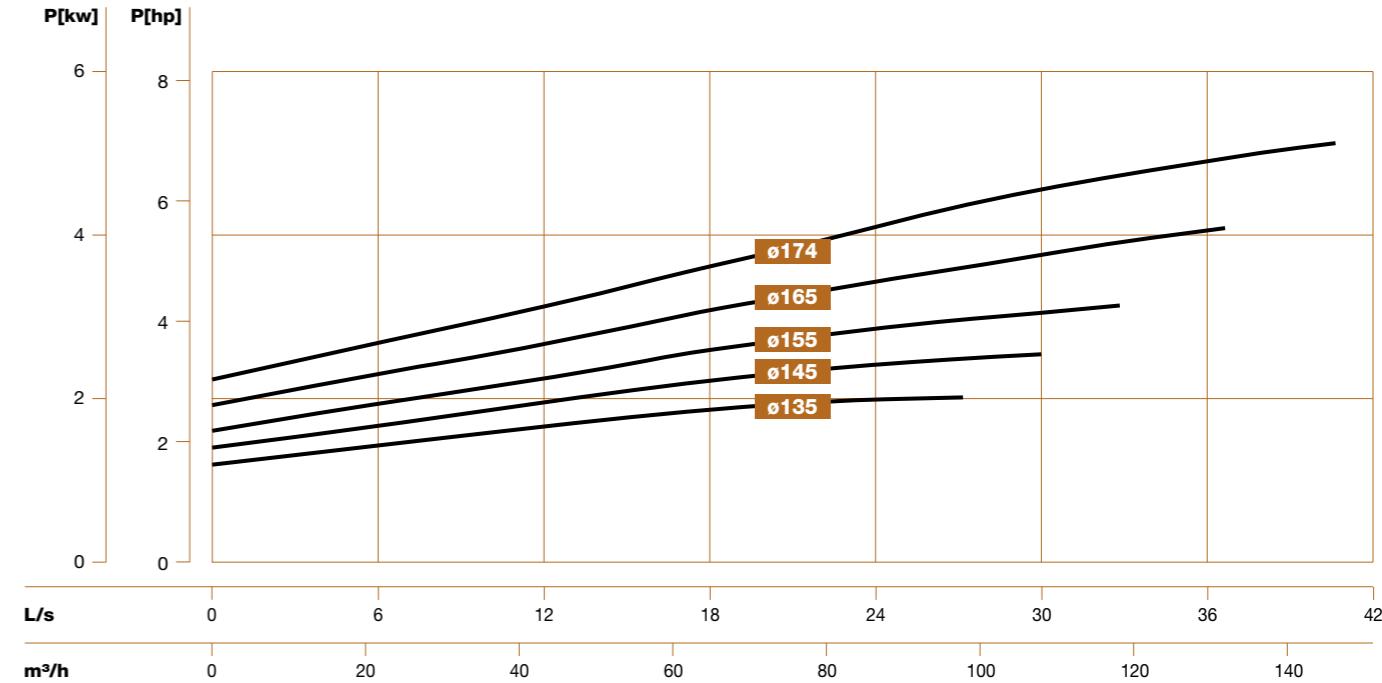
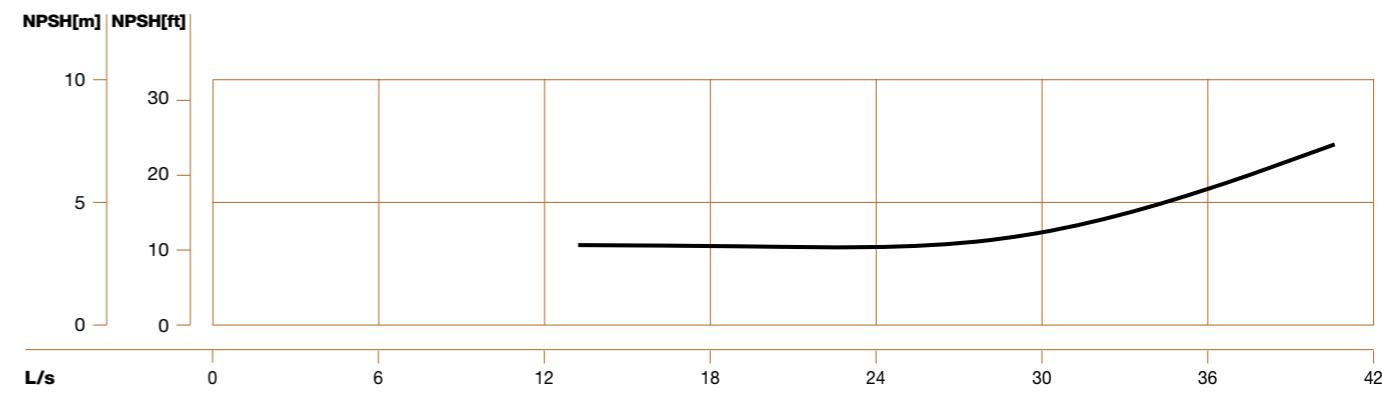
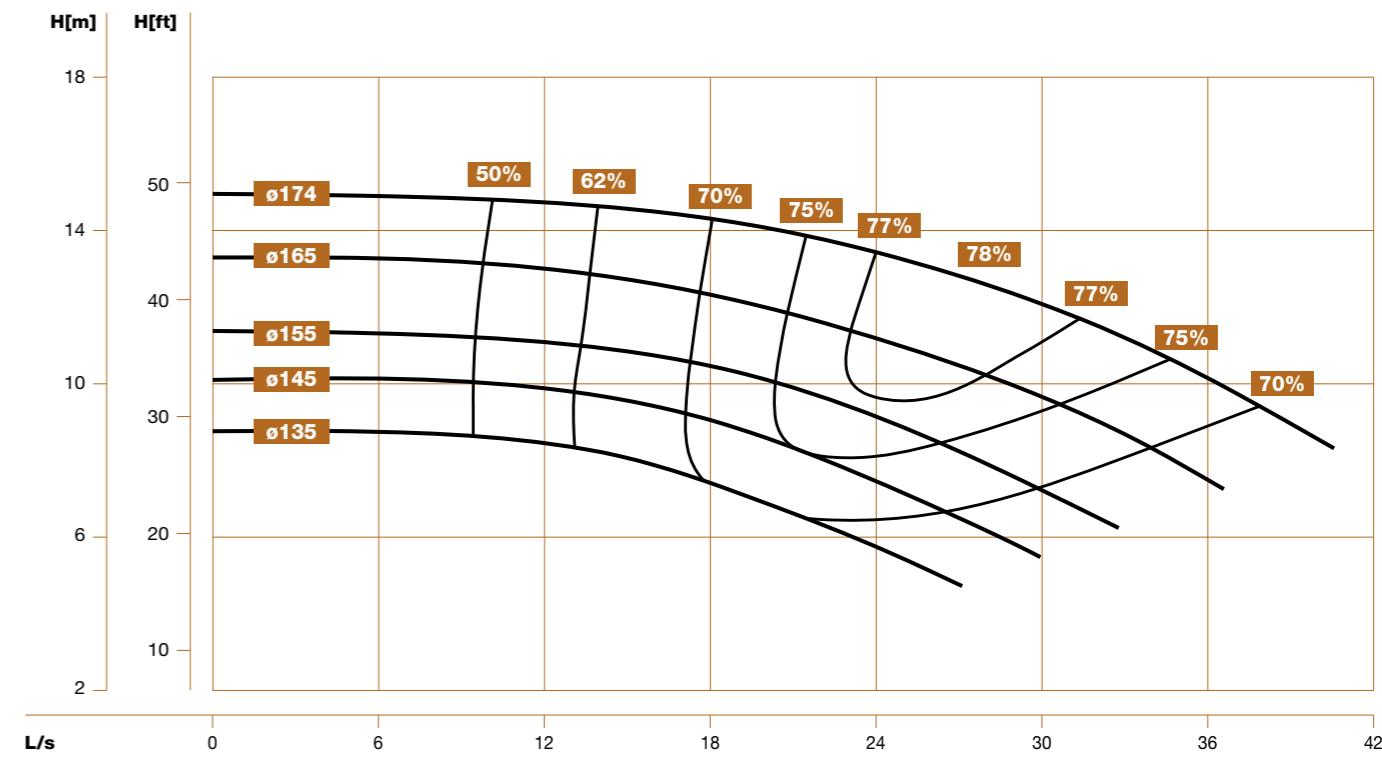
**NLF65-40-315****1750 rpm****NLF65-50-125****1750 rpm**

**NLF65-50-160****1750 rpm****NLF65-50-200****1750 rpm**

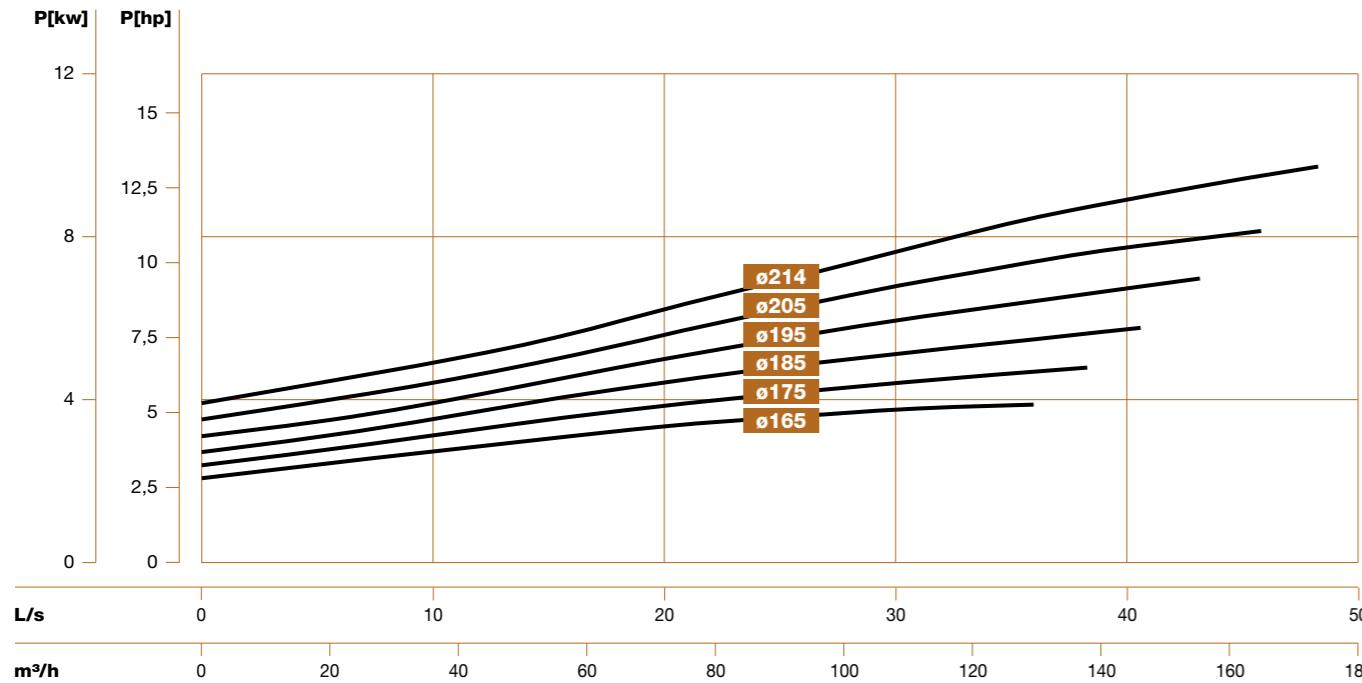
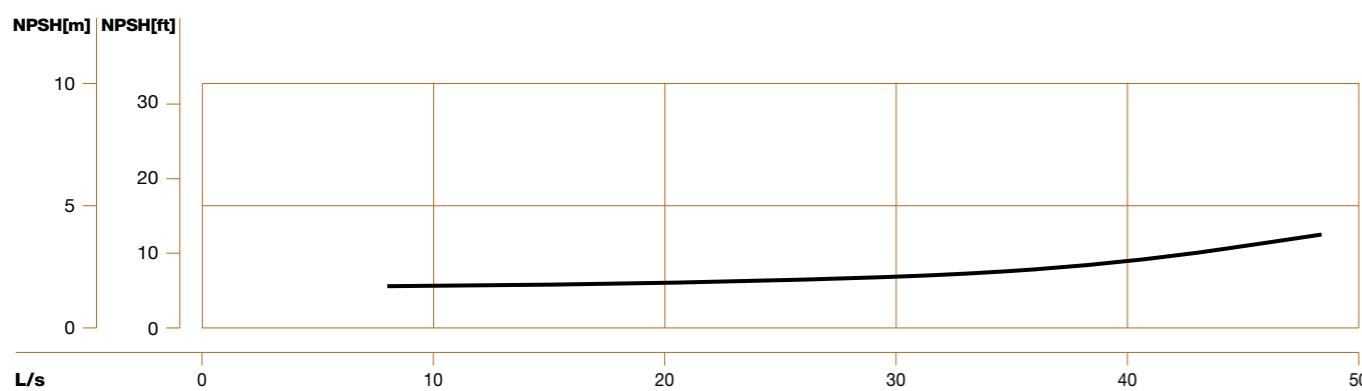
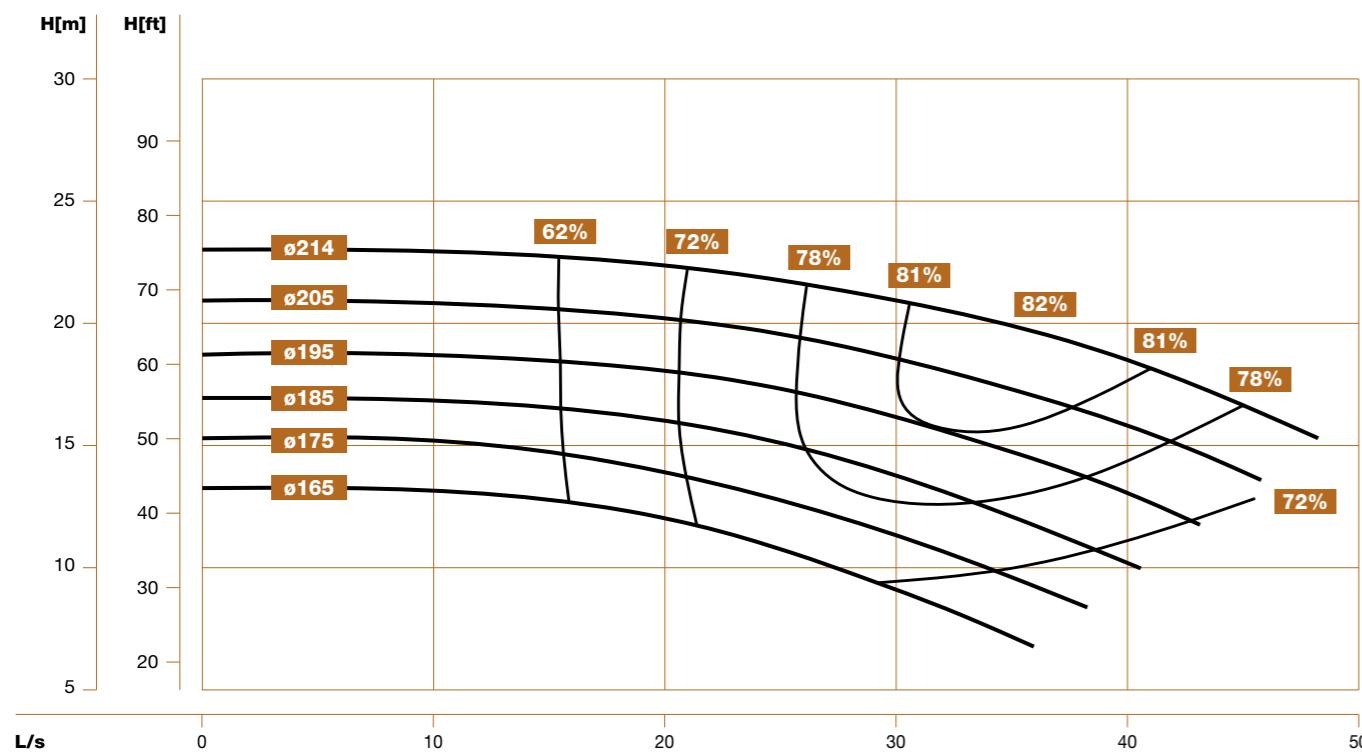
**NLF65-50-250****1750 rpm****NLF65-50-315****1750 rpm**

**NLF80-65-125****1750 rpm****NLF80-65-160****1750 rpm**

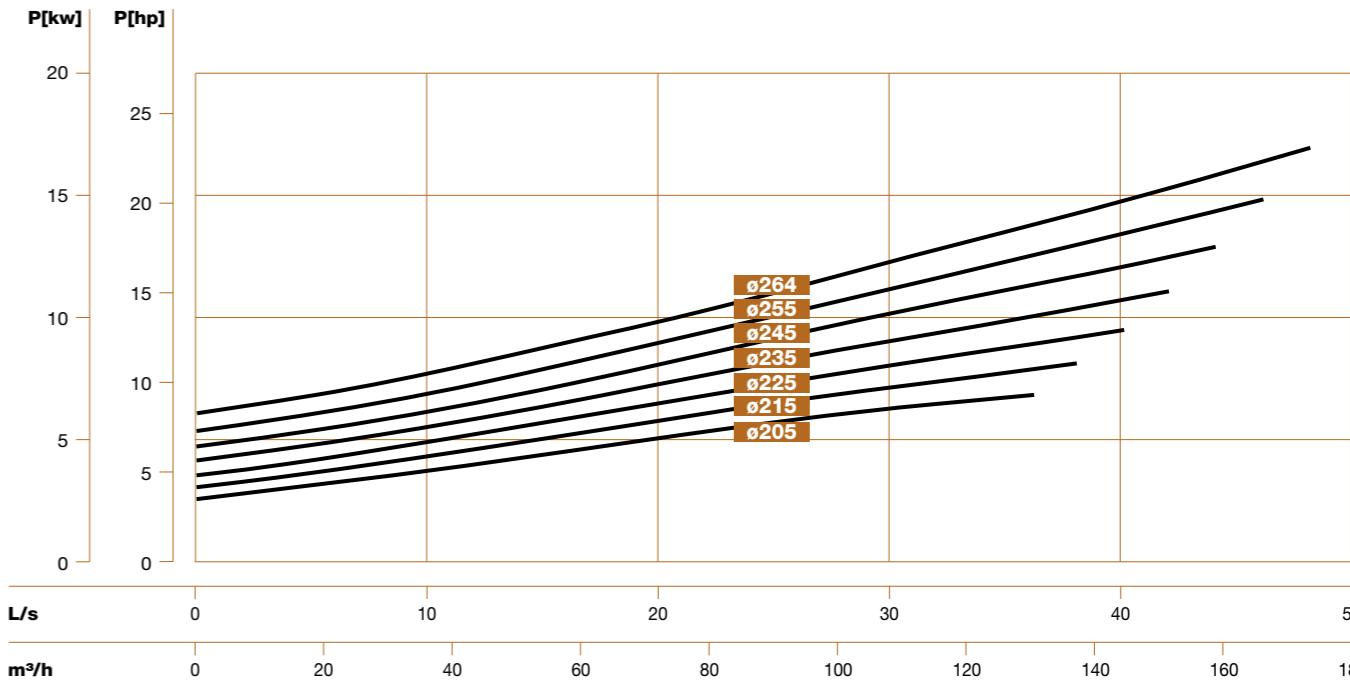
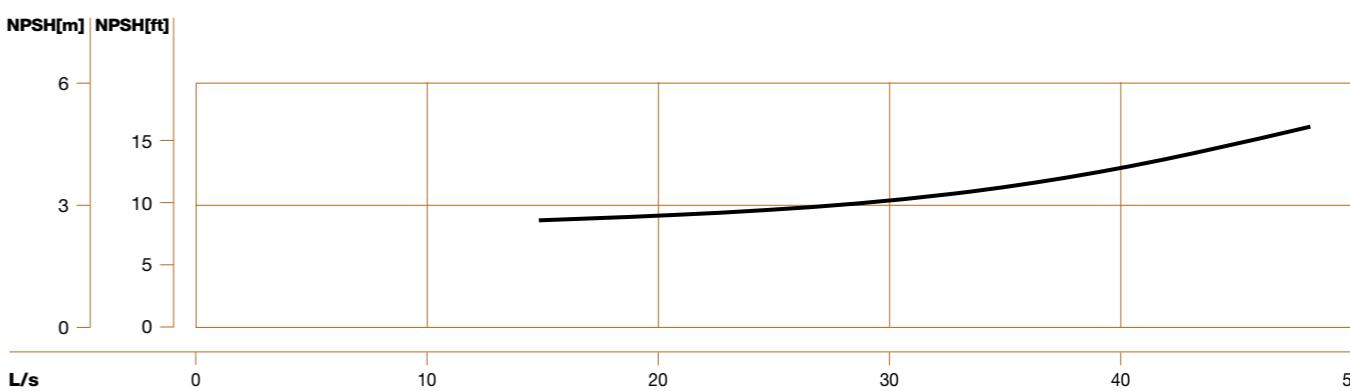
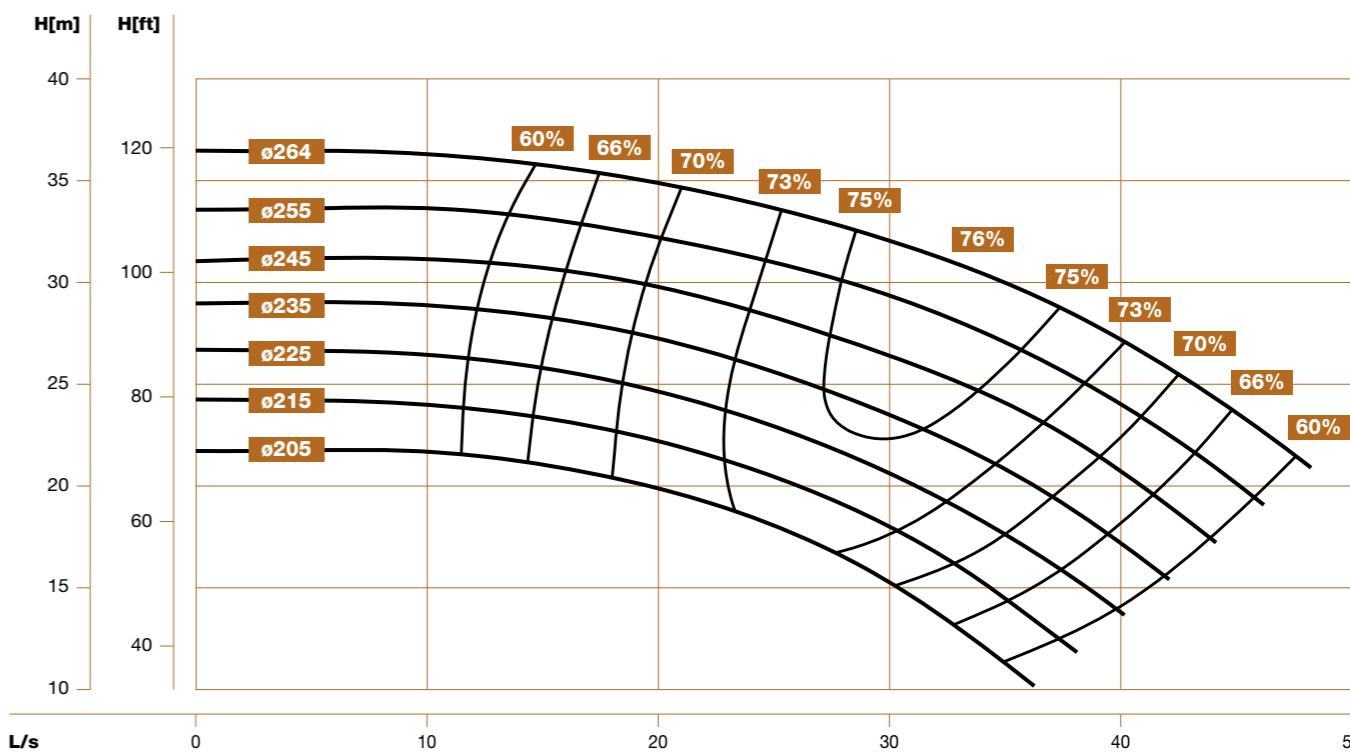
**NLF80-65-200****1750 rpm****NLF80-65-250****1750 rpm**

**NLF80-65-315****1750 rpm****NLF100-80-160****1750 rpm**

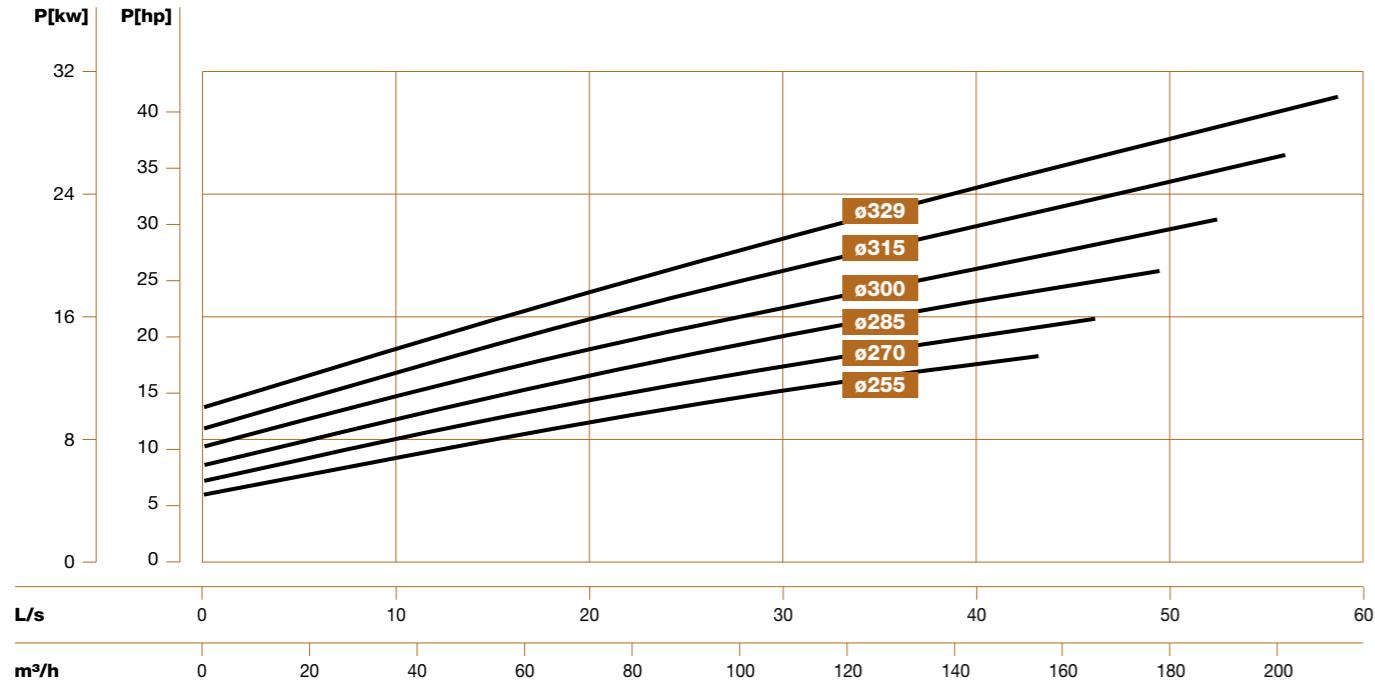
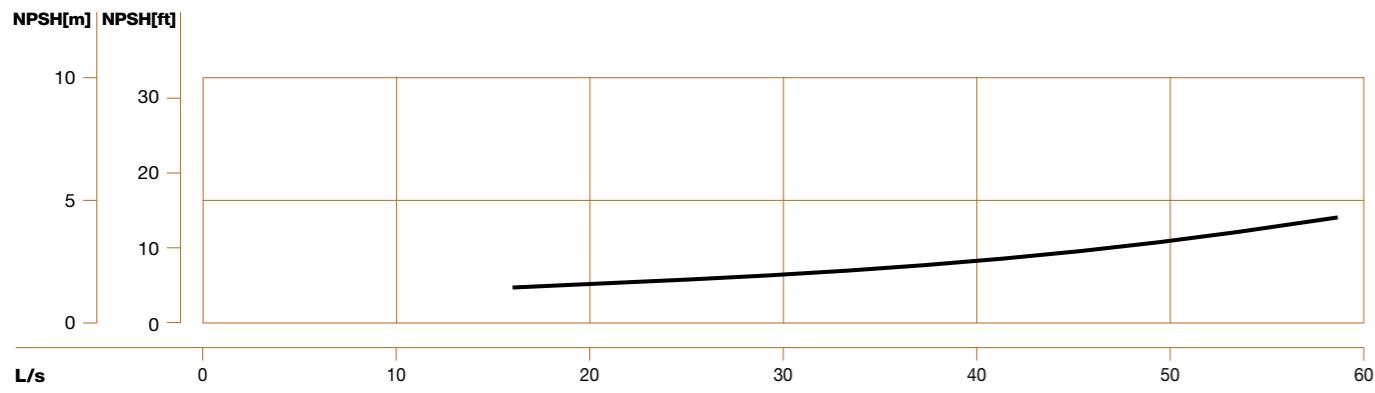
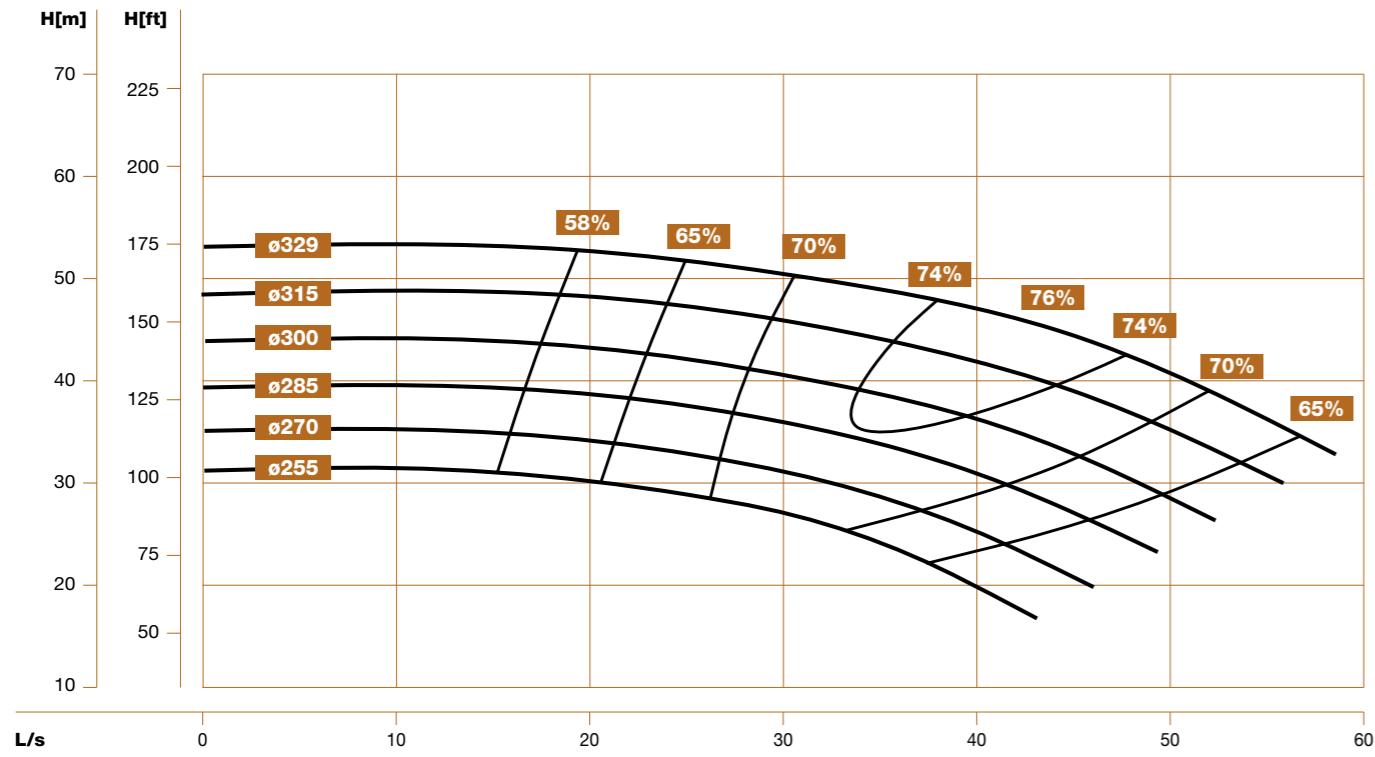
**NLF100-80-200** 1750 rpm



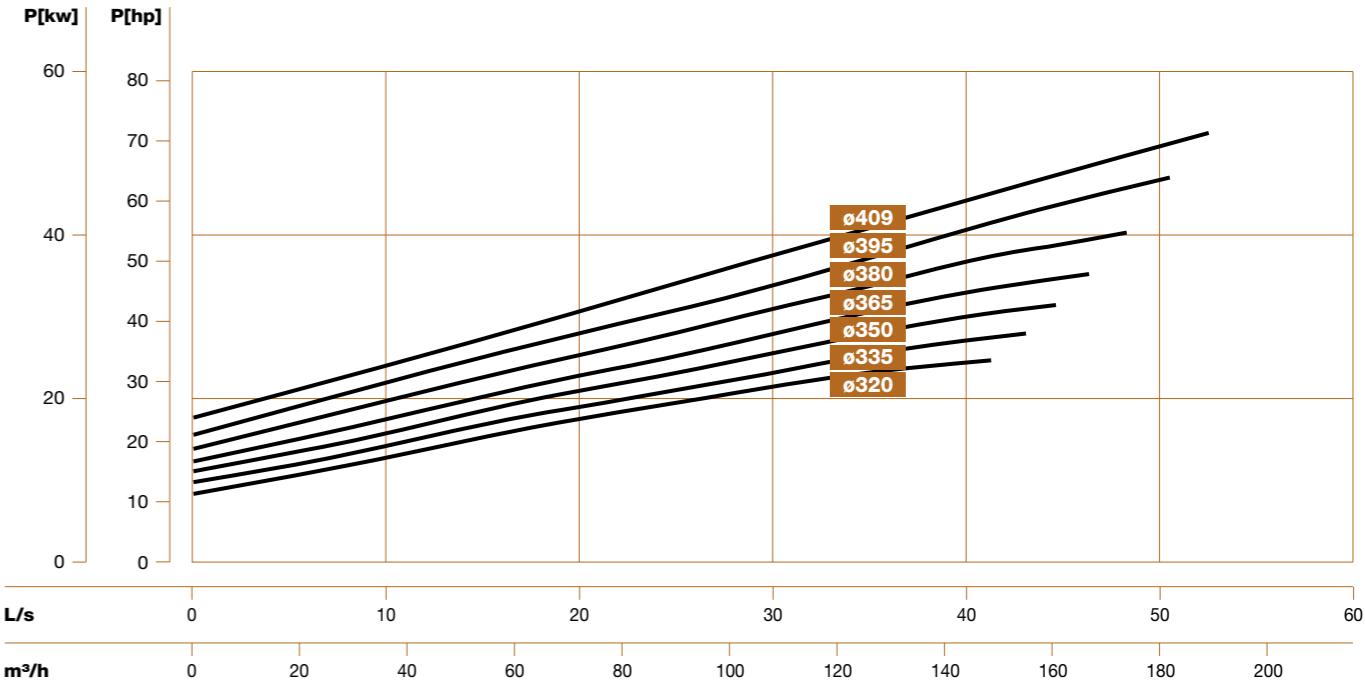
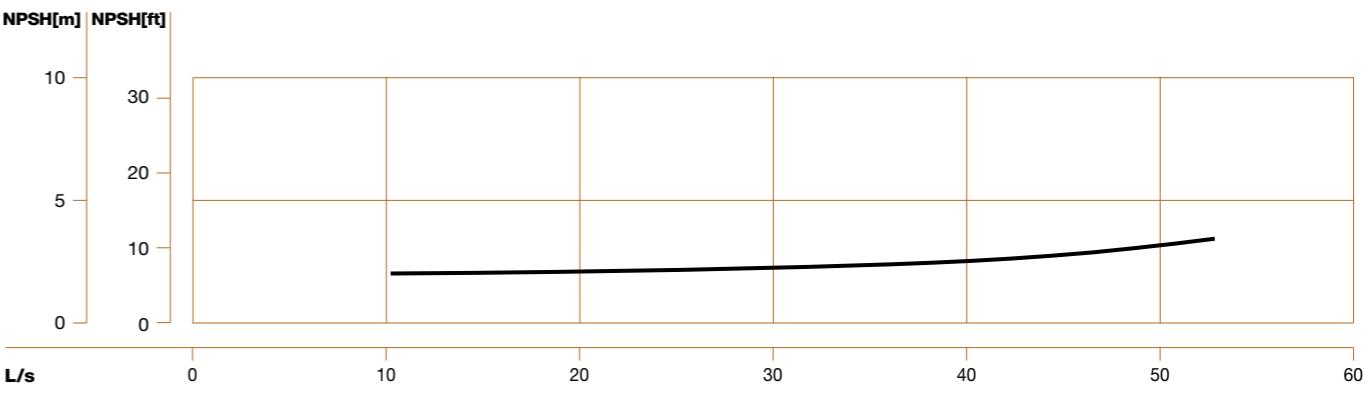
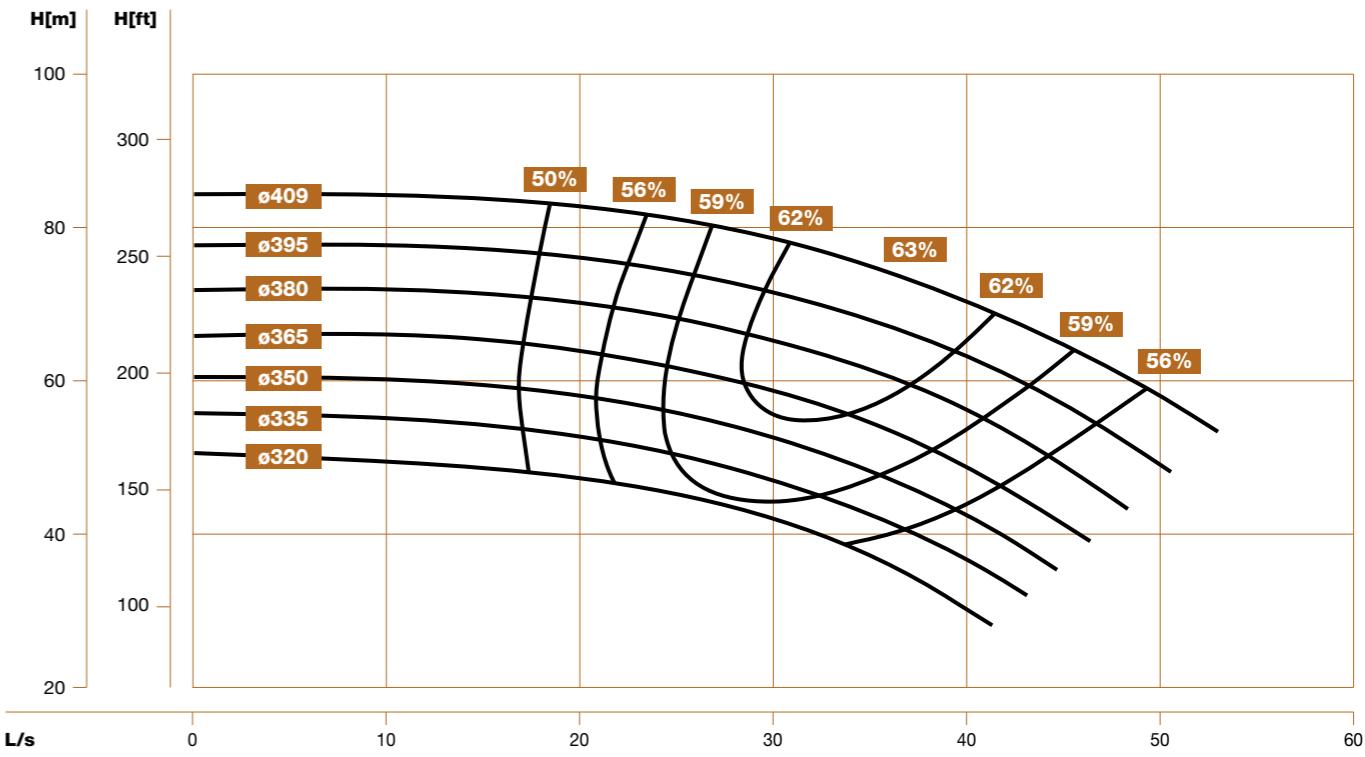
**NLF100-80-250** 1750 rpm

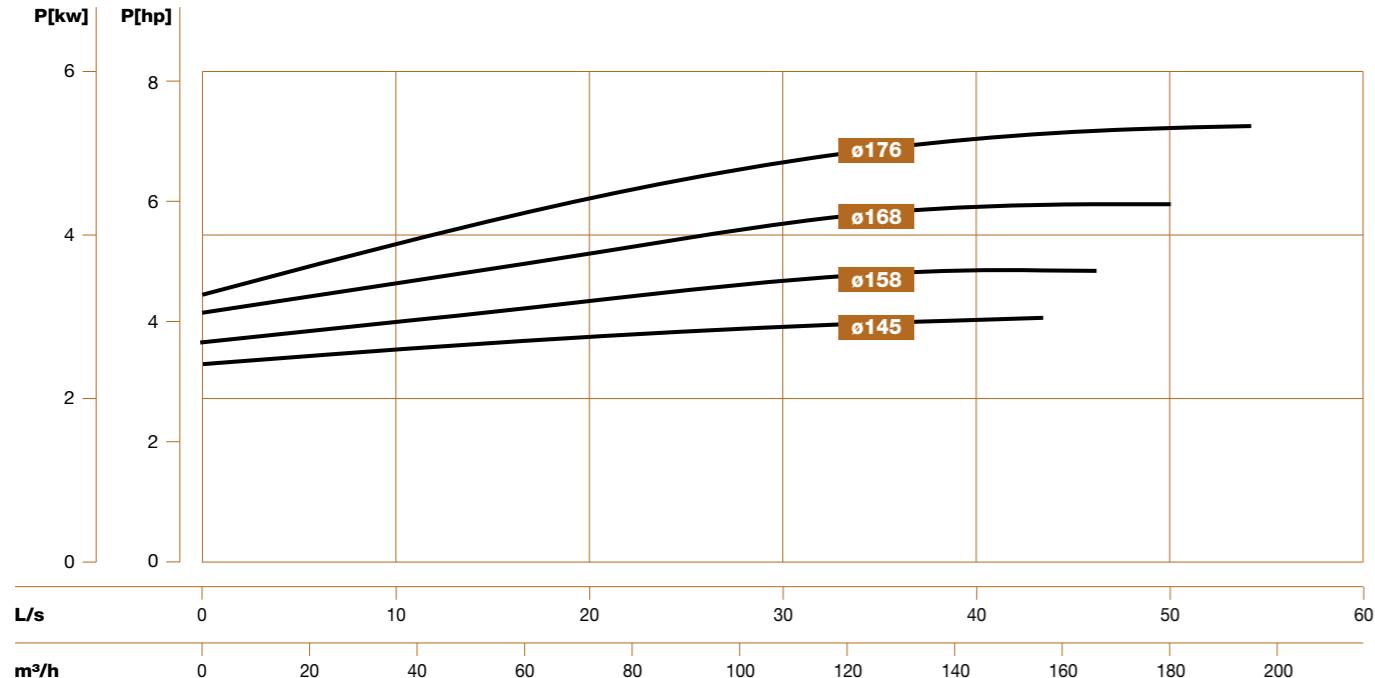
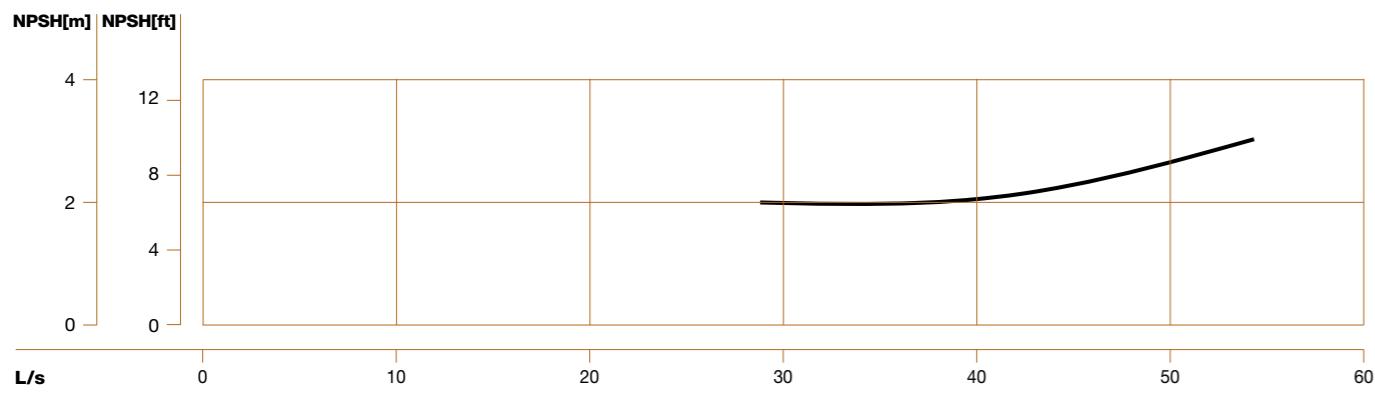
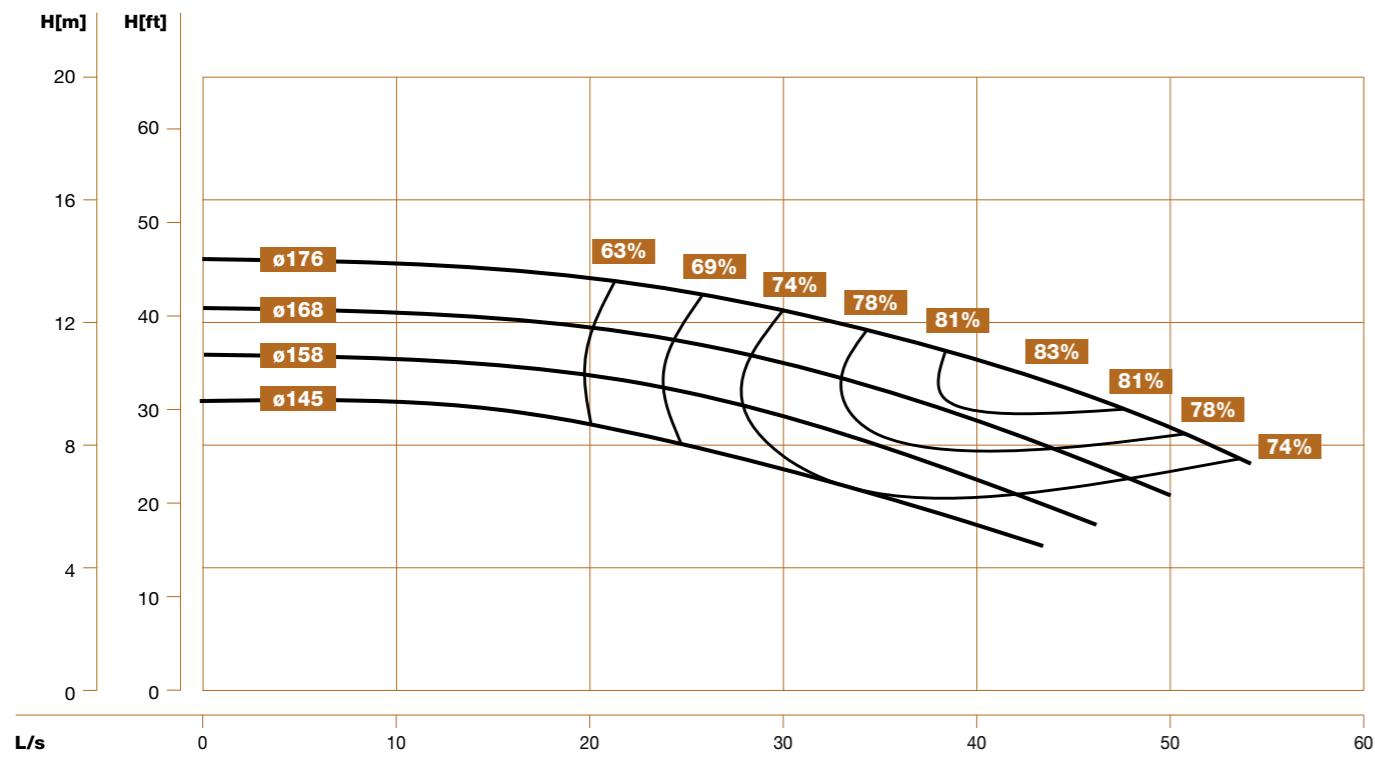
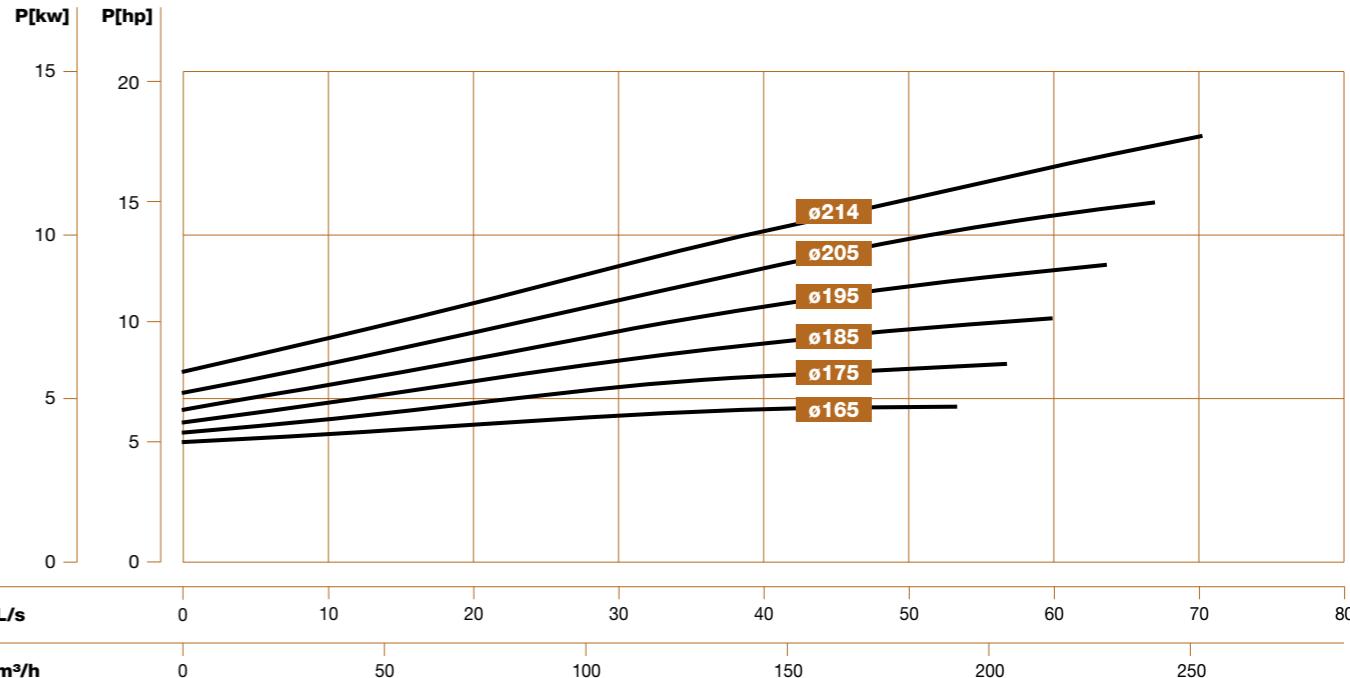
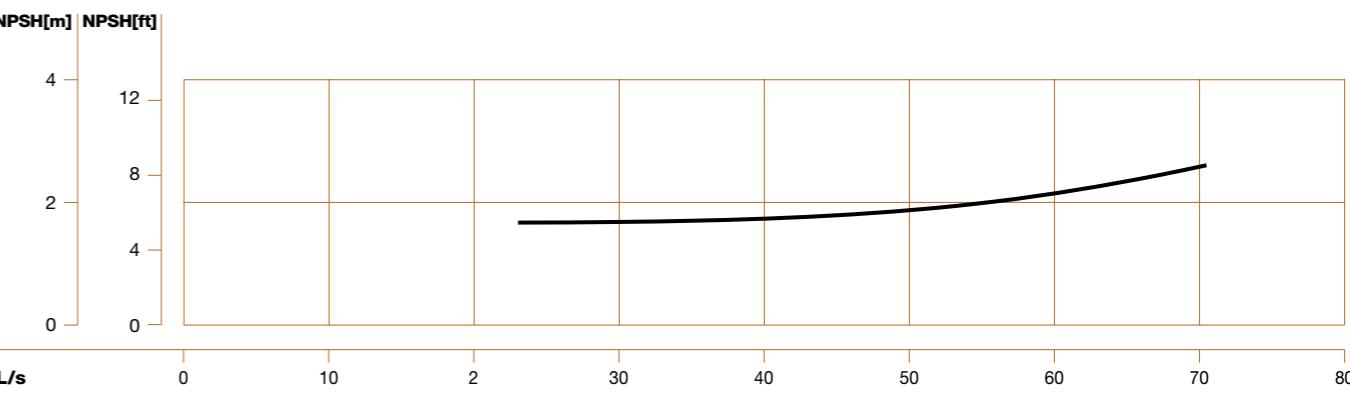
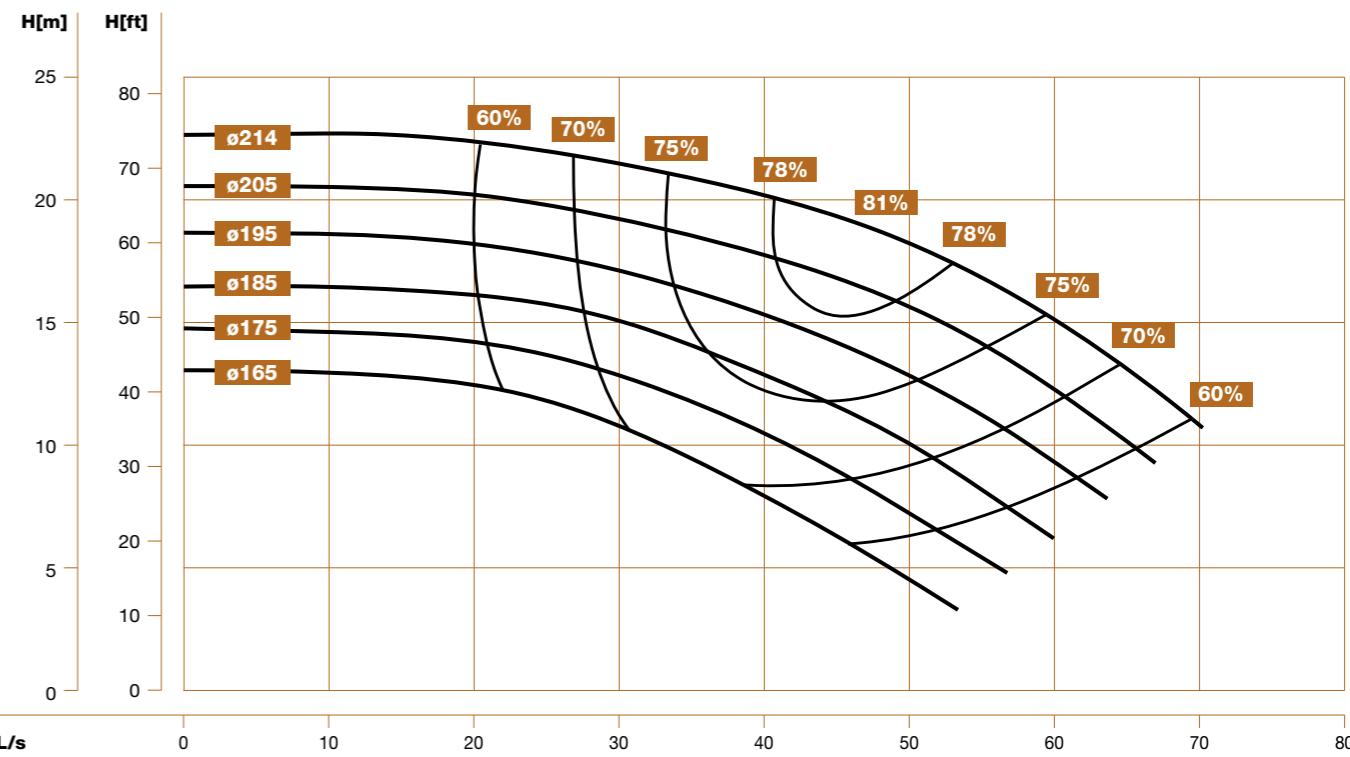


**NLF100-80-315**    1750 rpm

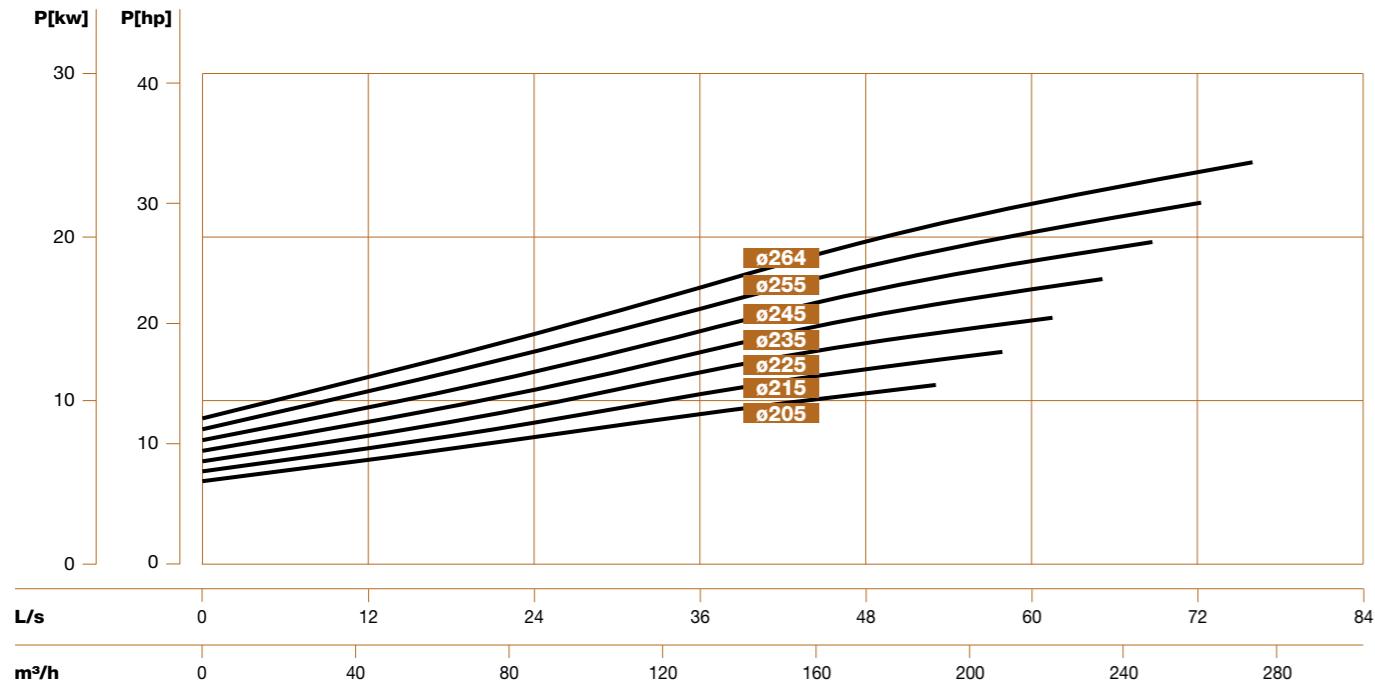
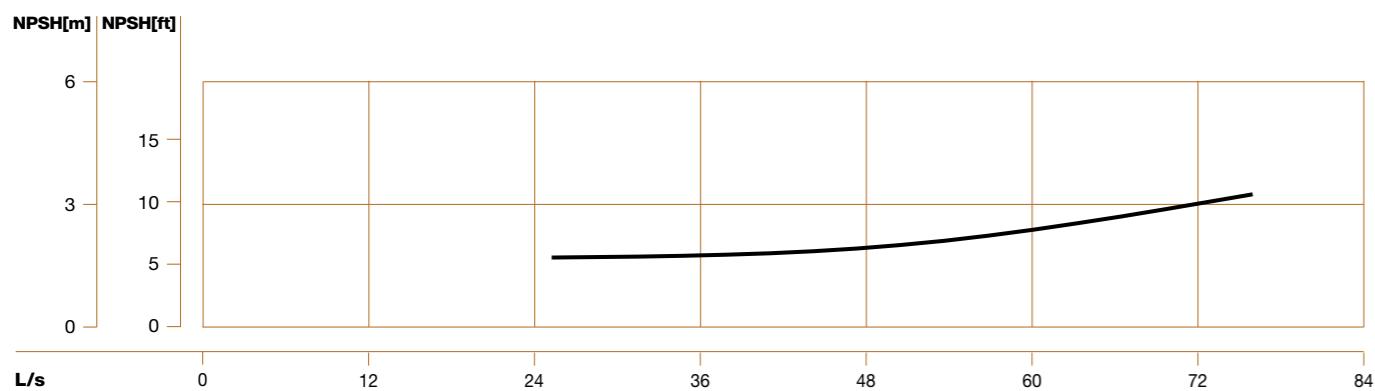
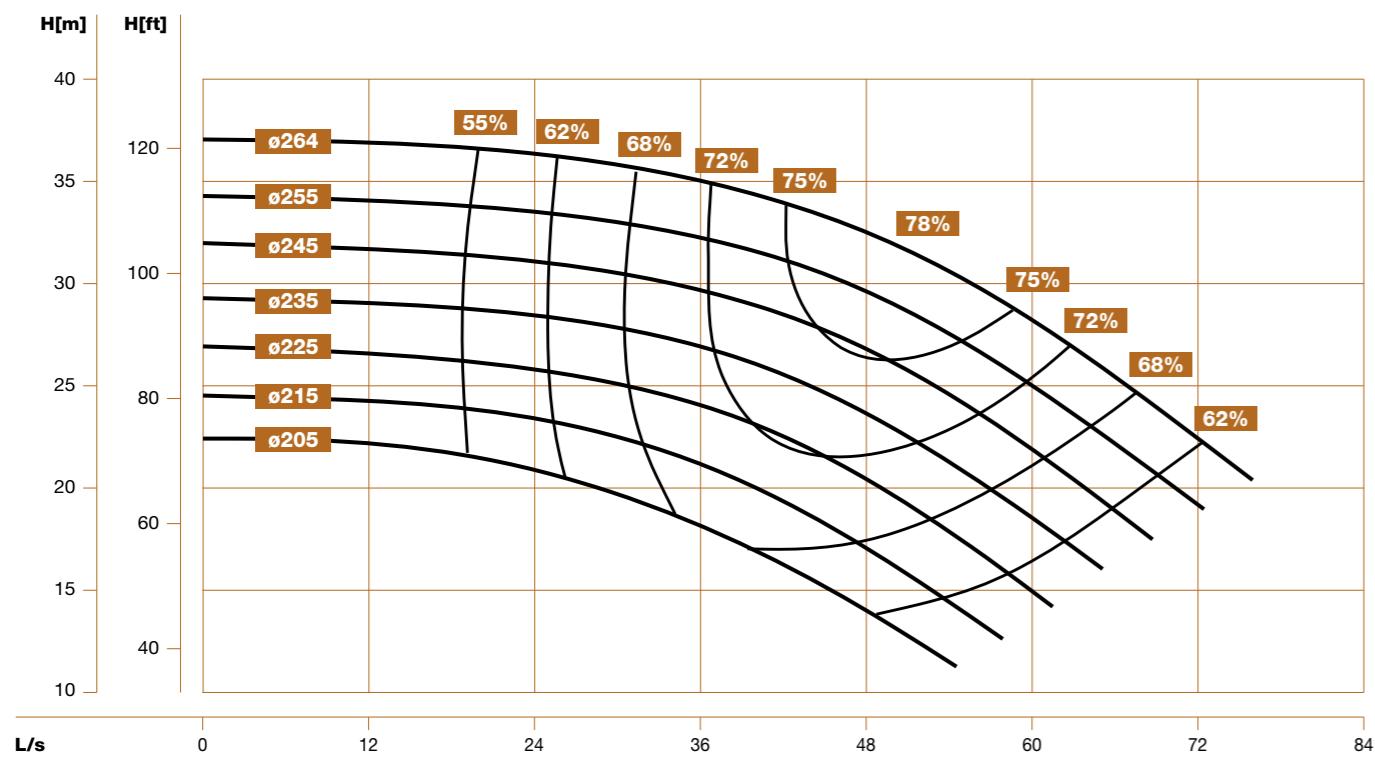


**NLF100-80-400**    1750 rpm

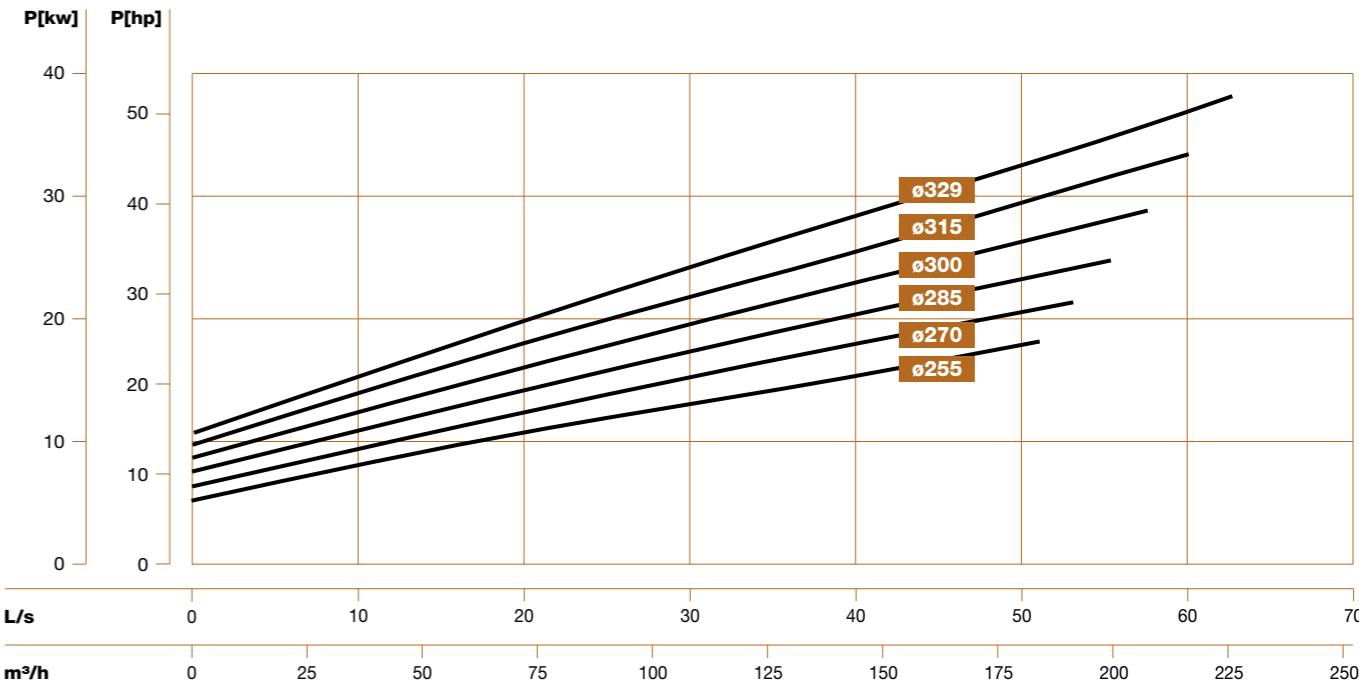
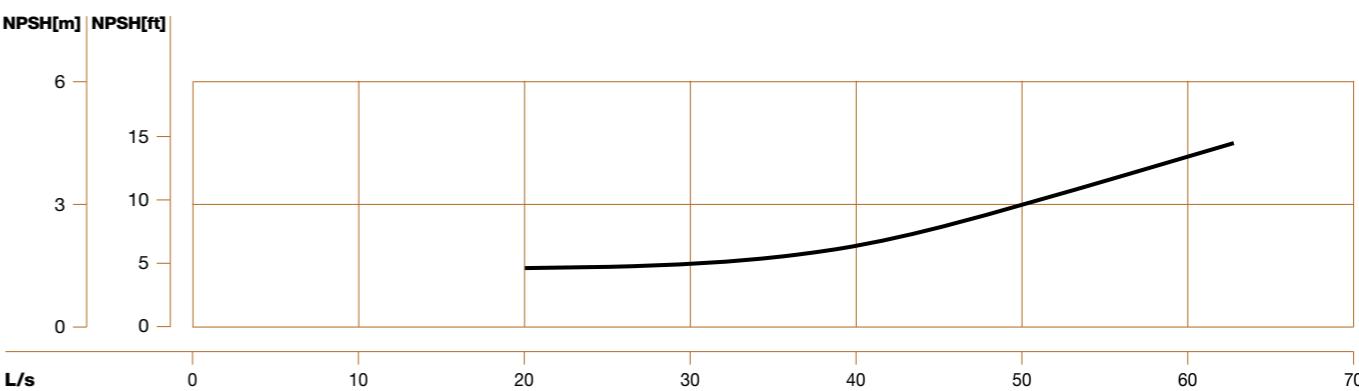
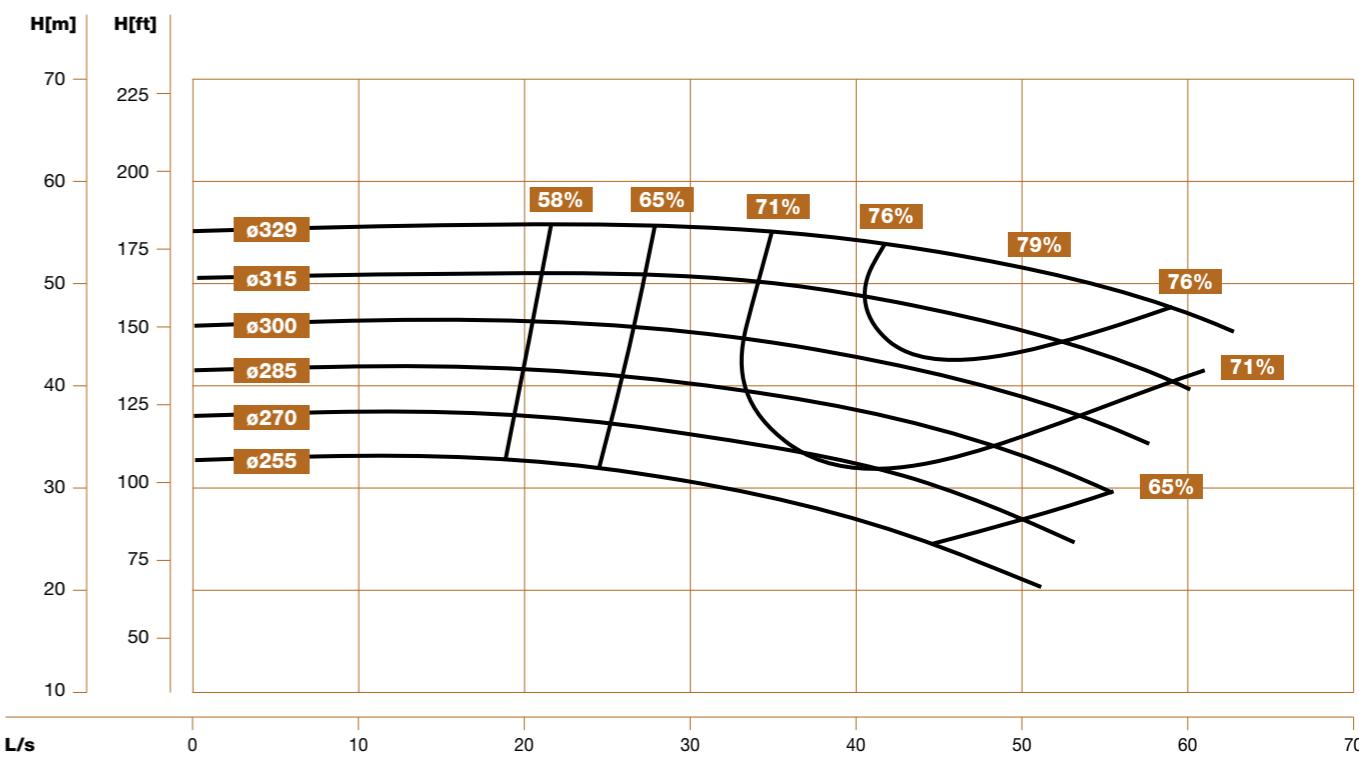


**NLF125-100-160** 1750 rpm**NLF125-100-200** 1750 rpm

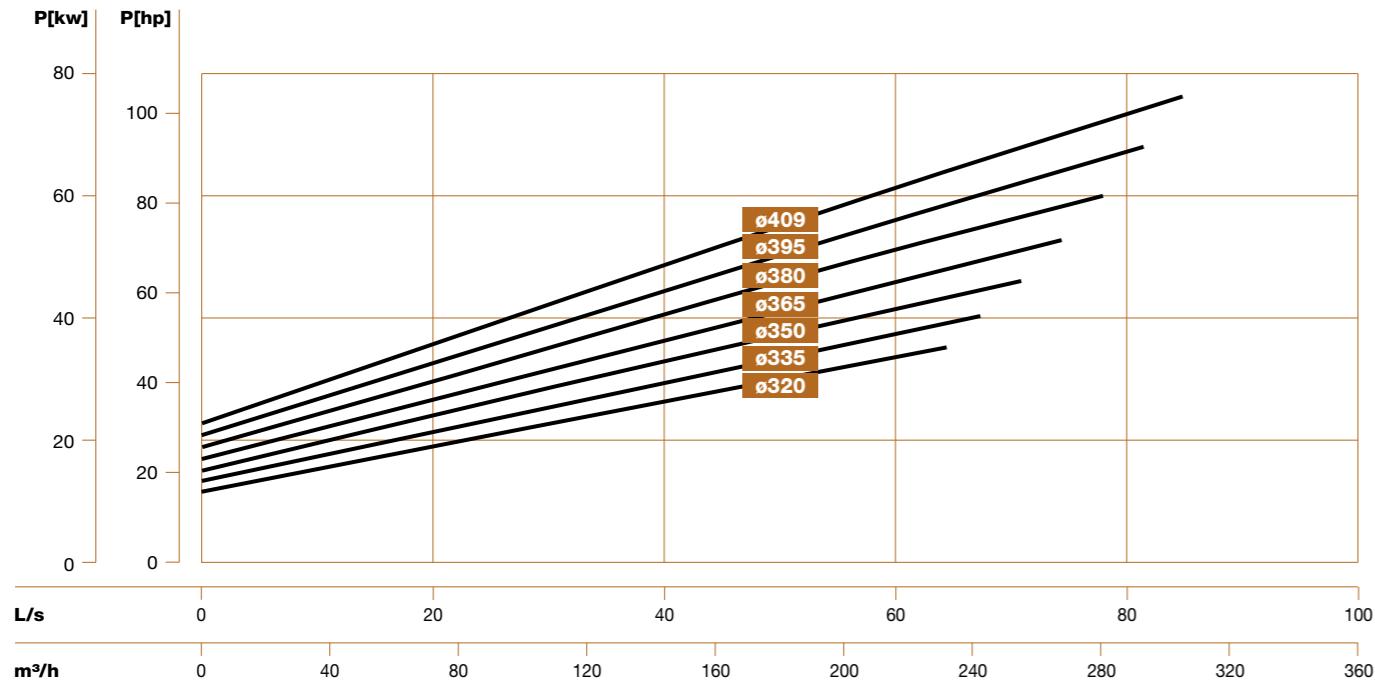
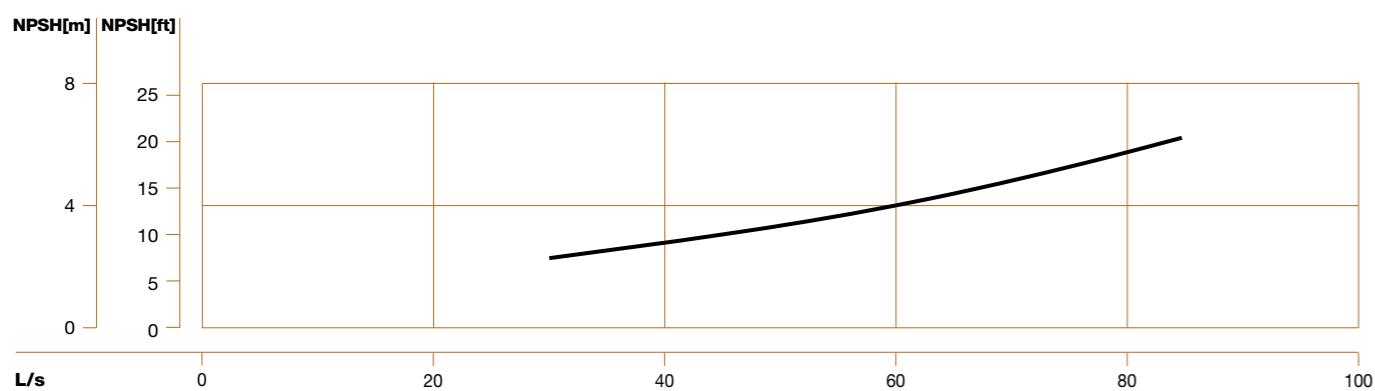
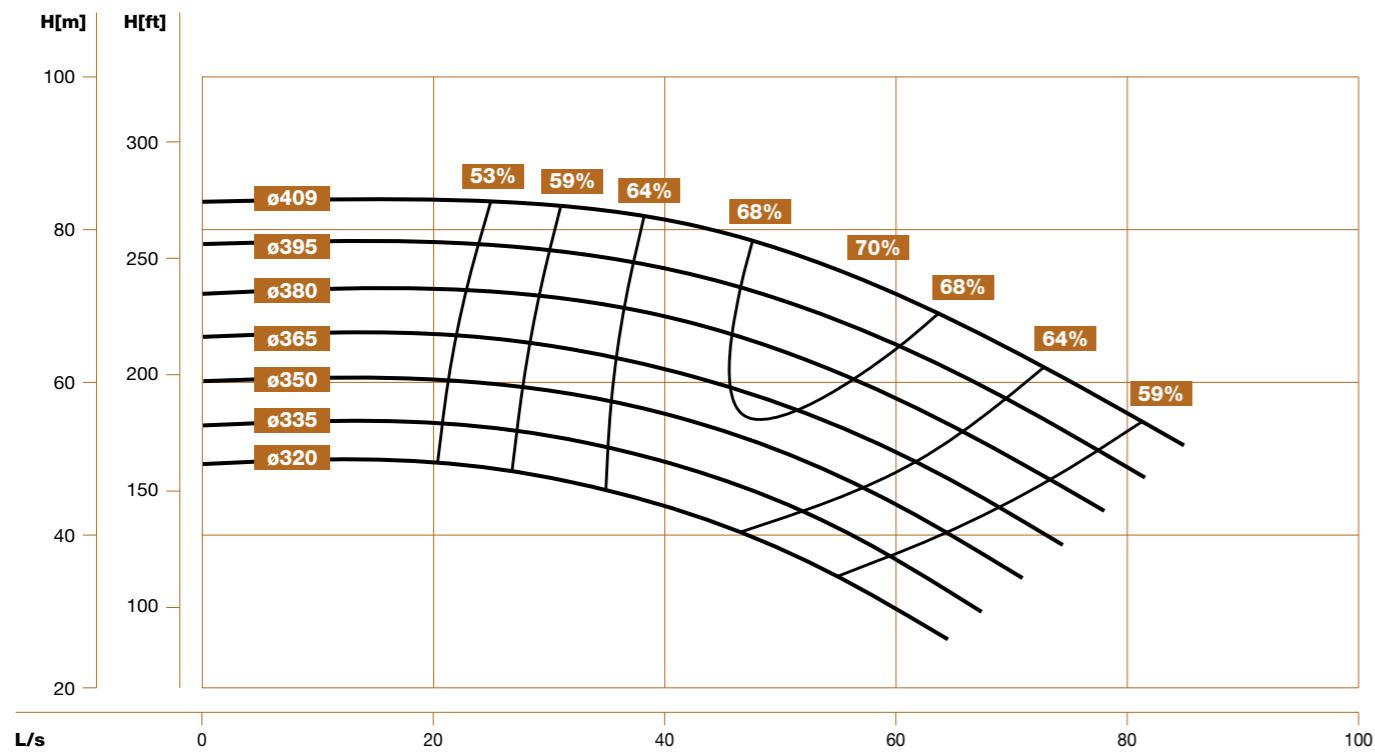
**NLF125-100-250** 1750 rpm



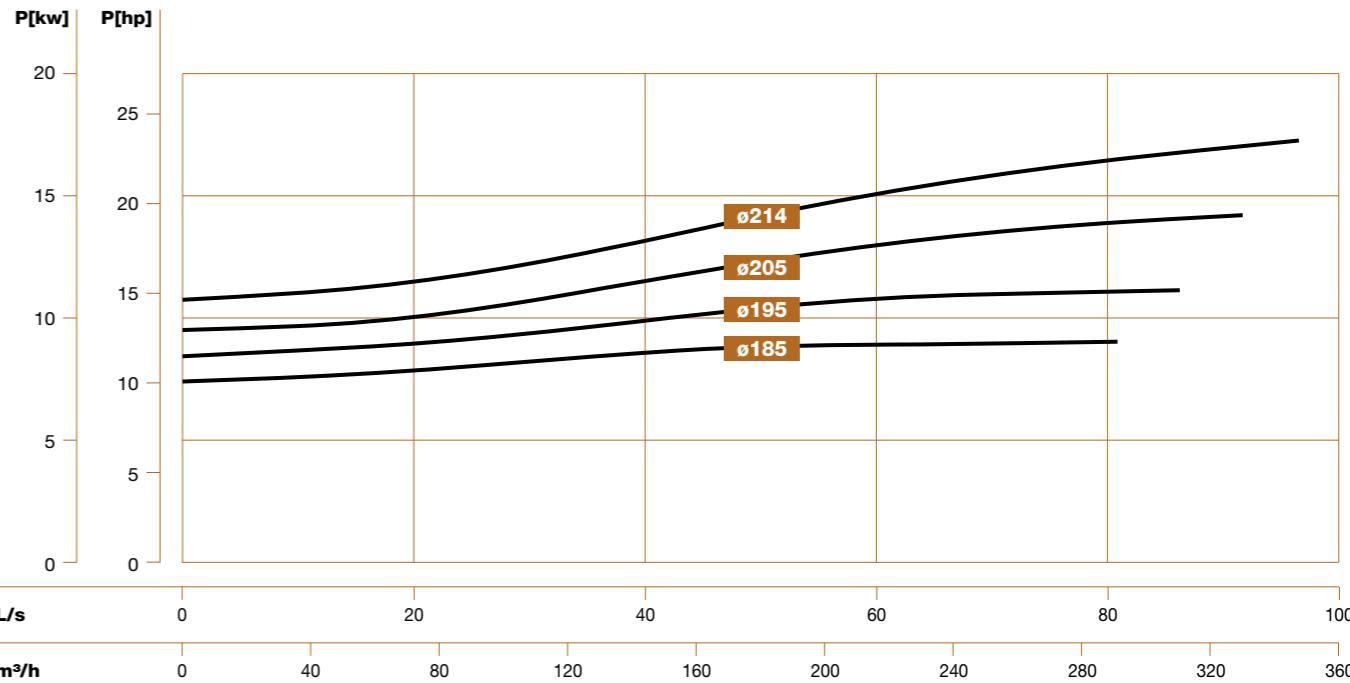
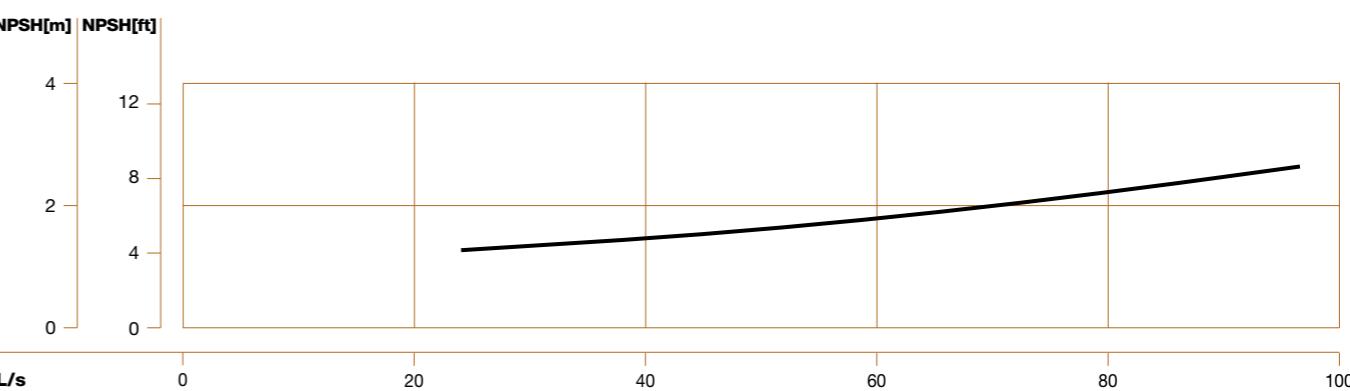
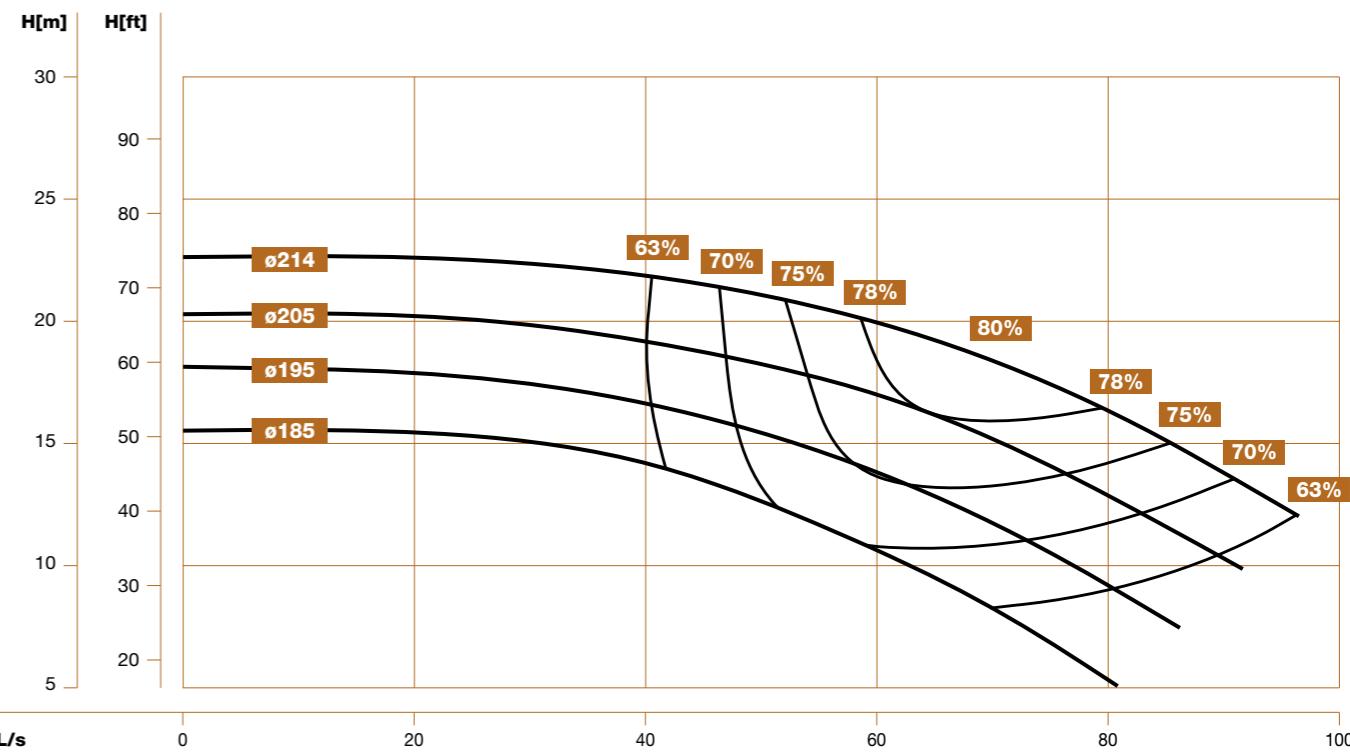
**NLF125-100-315** 1750 rpm



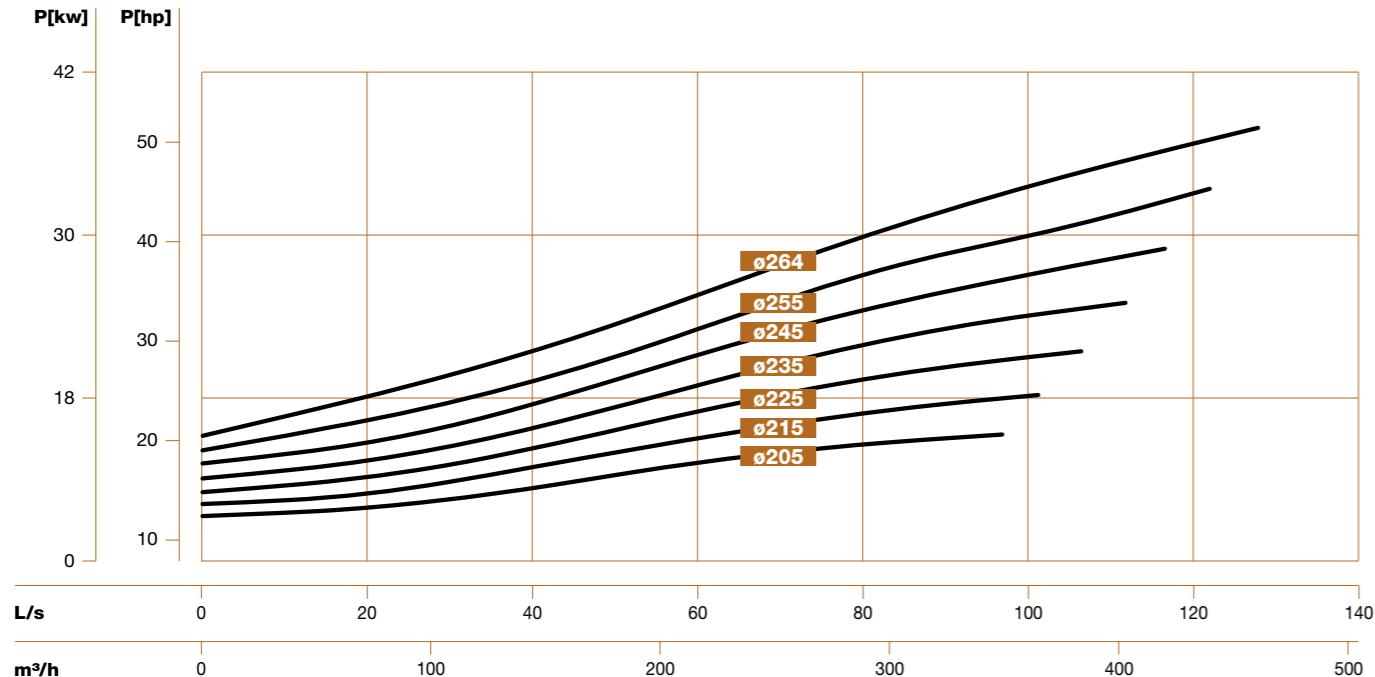
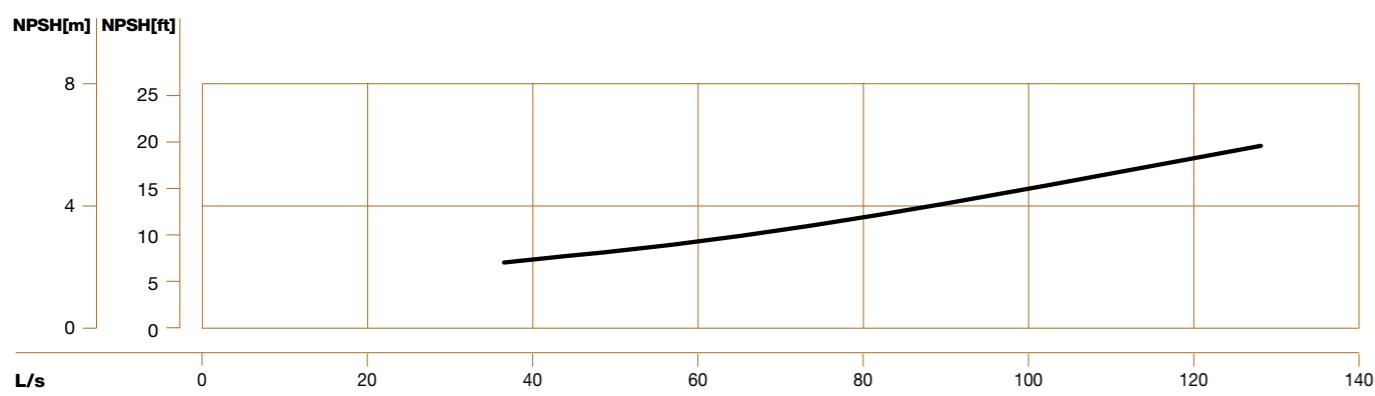
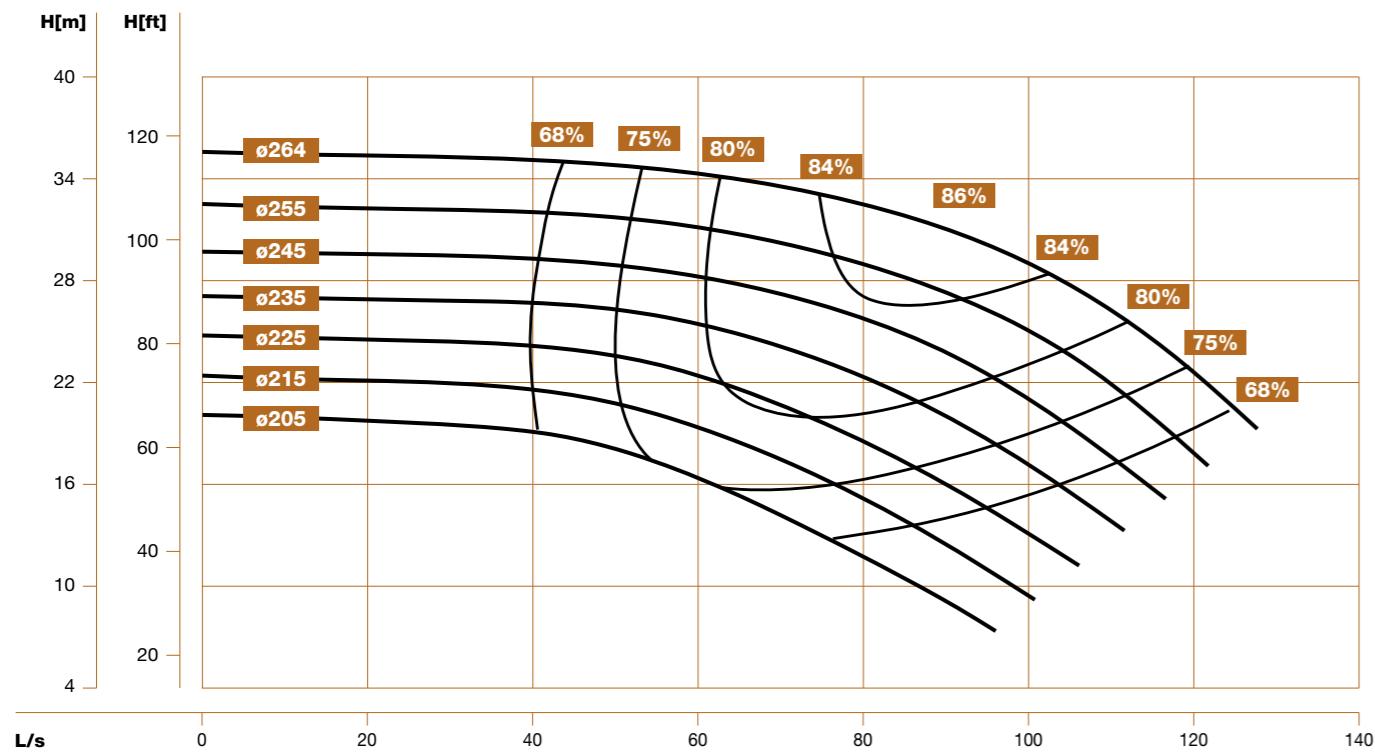
**NLF125-100-400** 1750 rpm



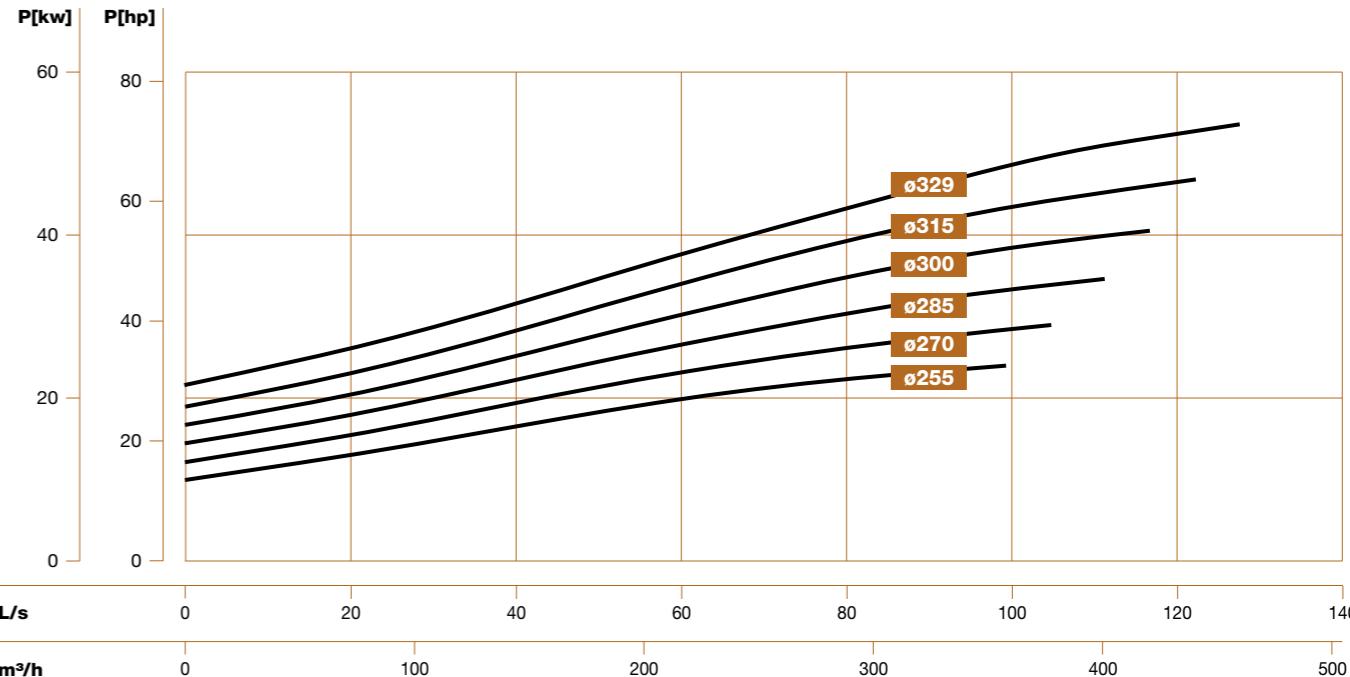
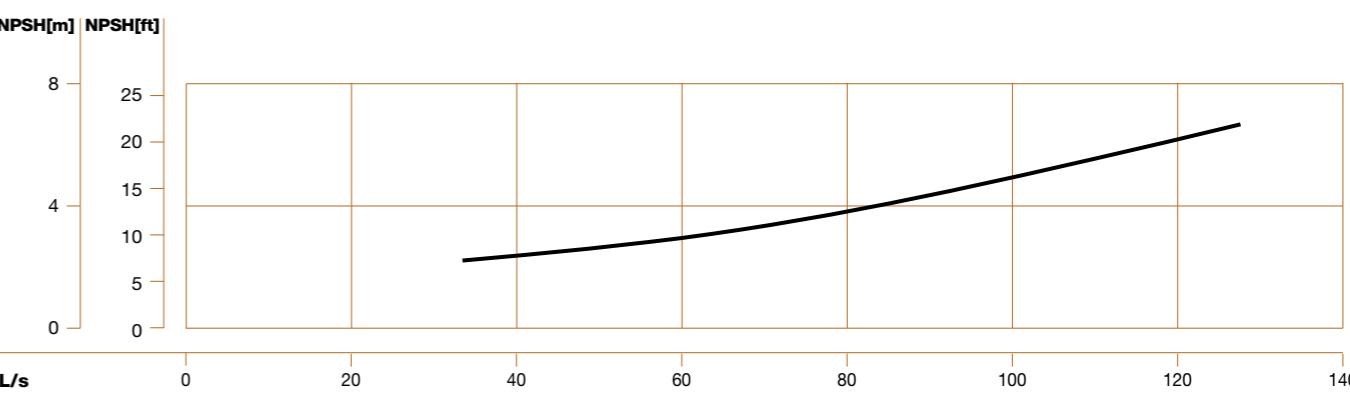
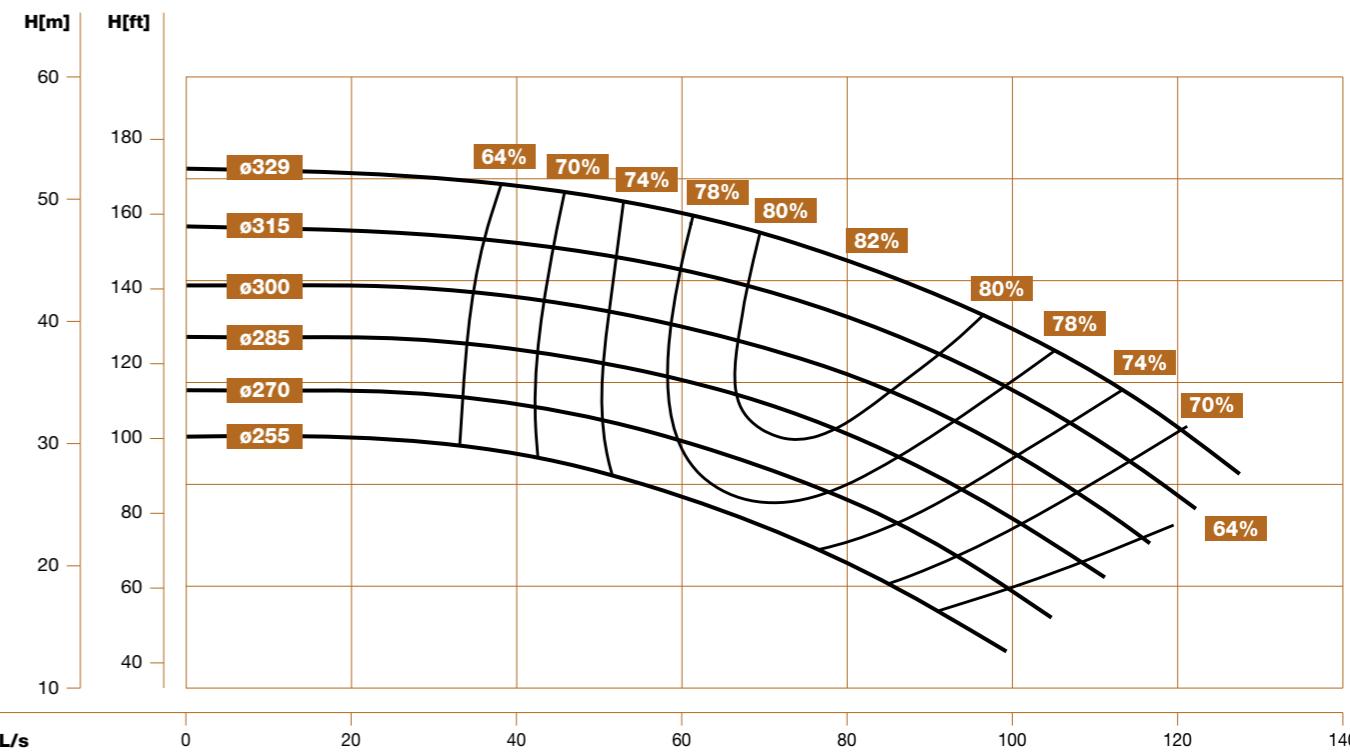
**NLF150-125-200** 1750 rpm



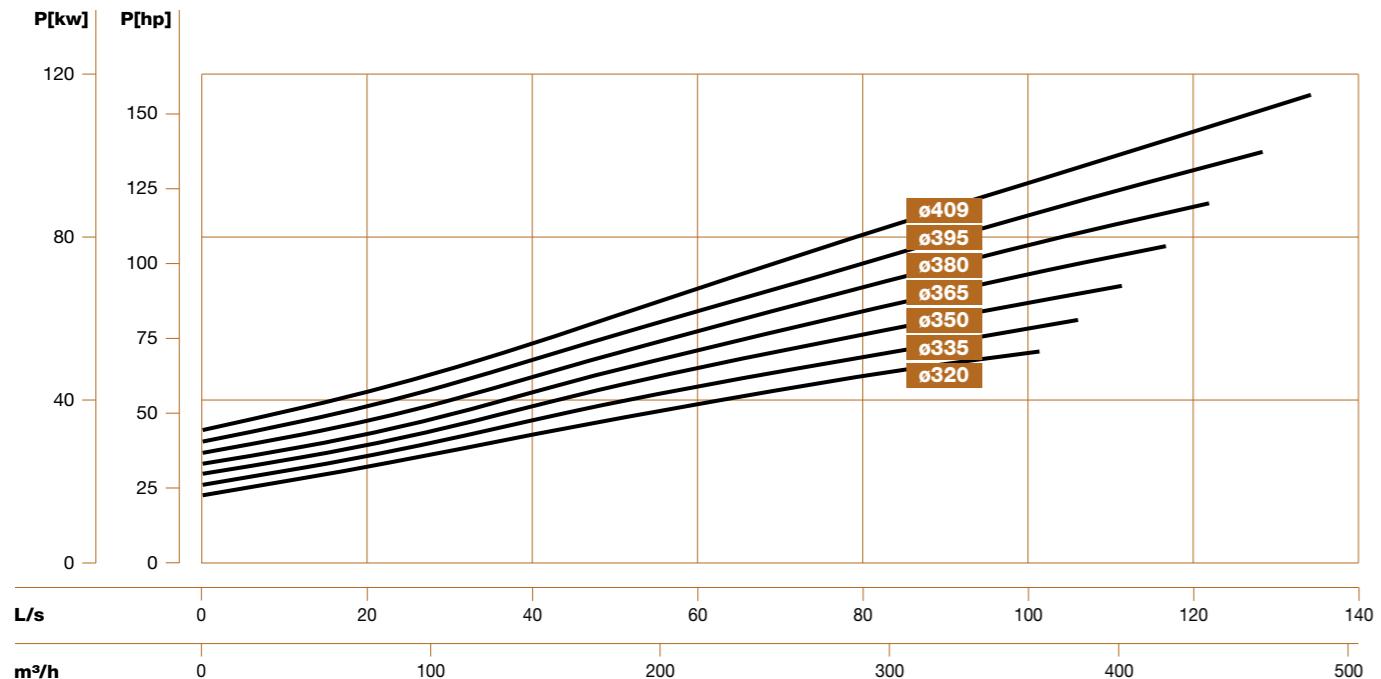
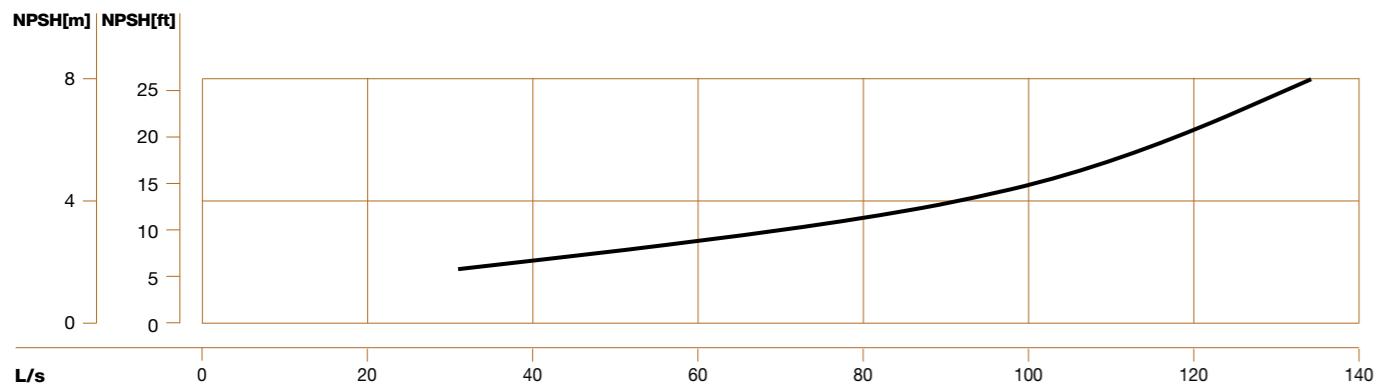
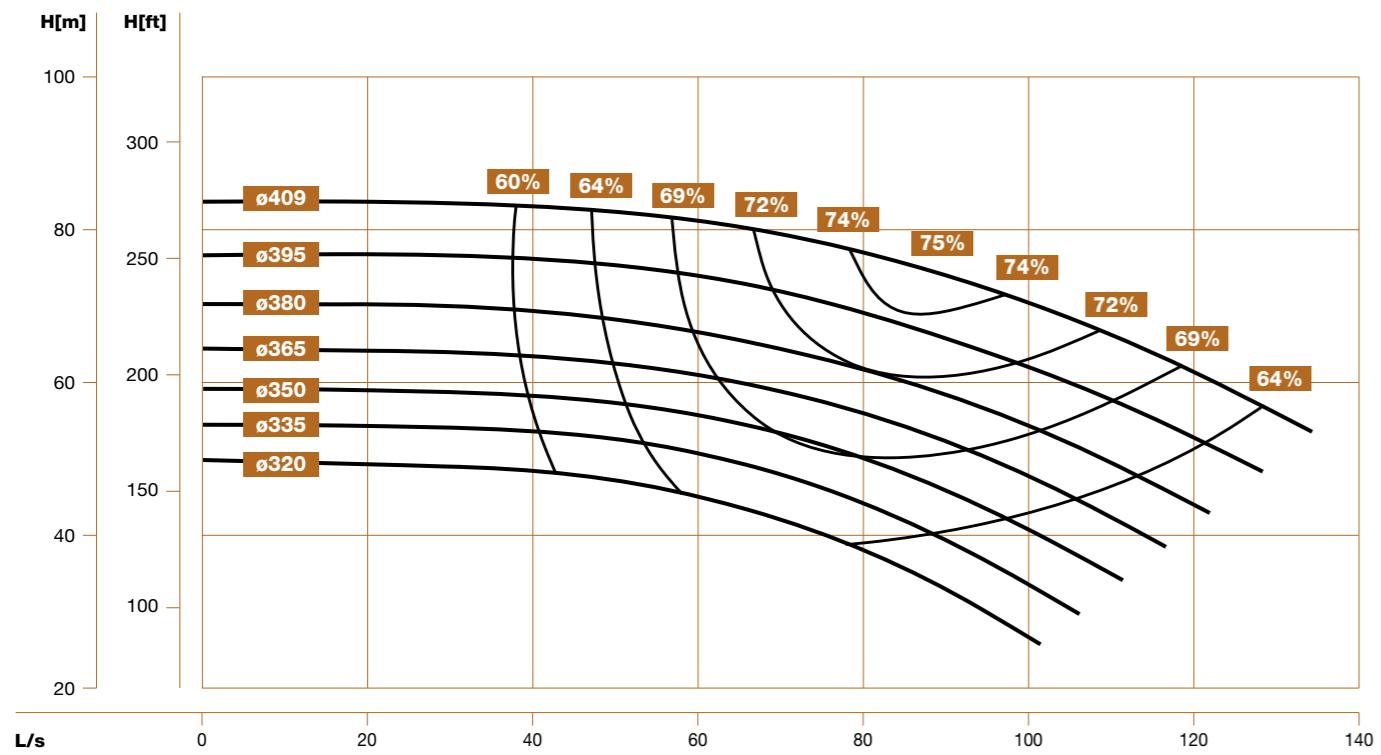
**NLF150-125-250** 1750 rpm



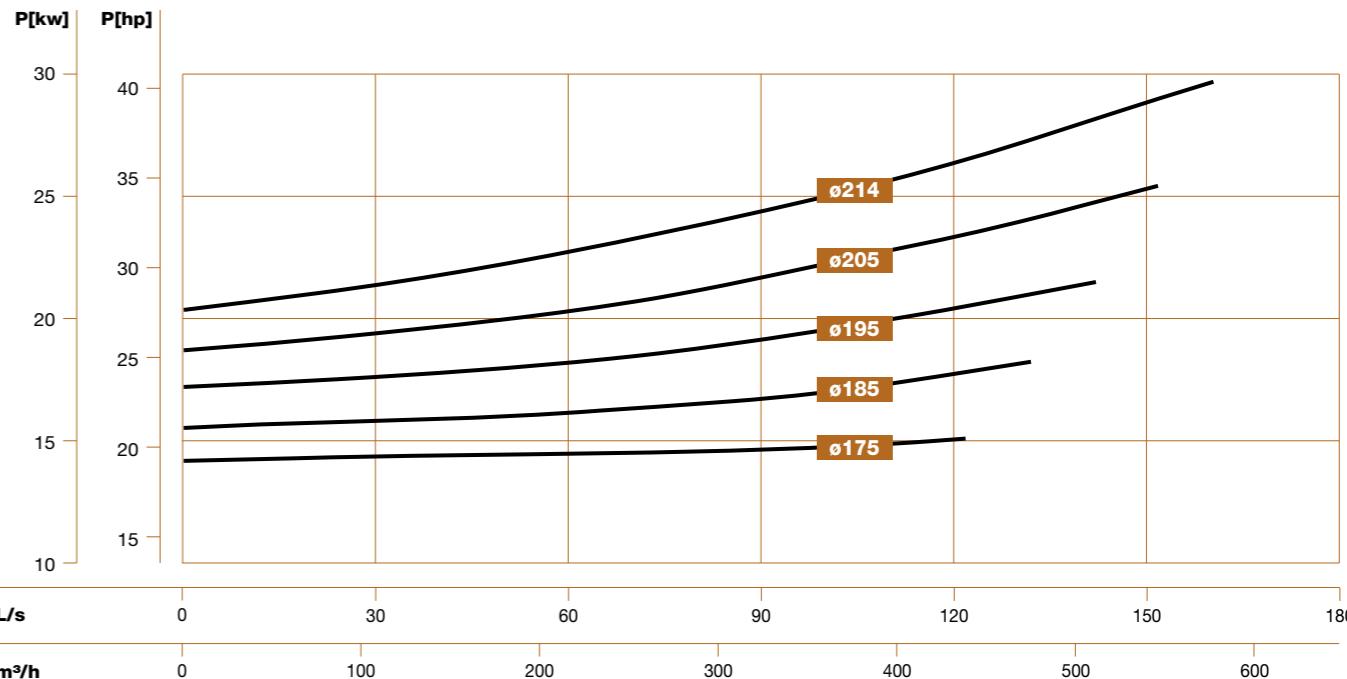
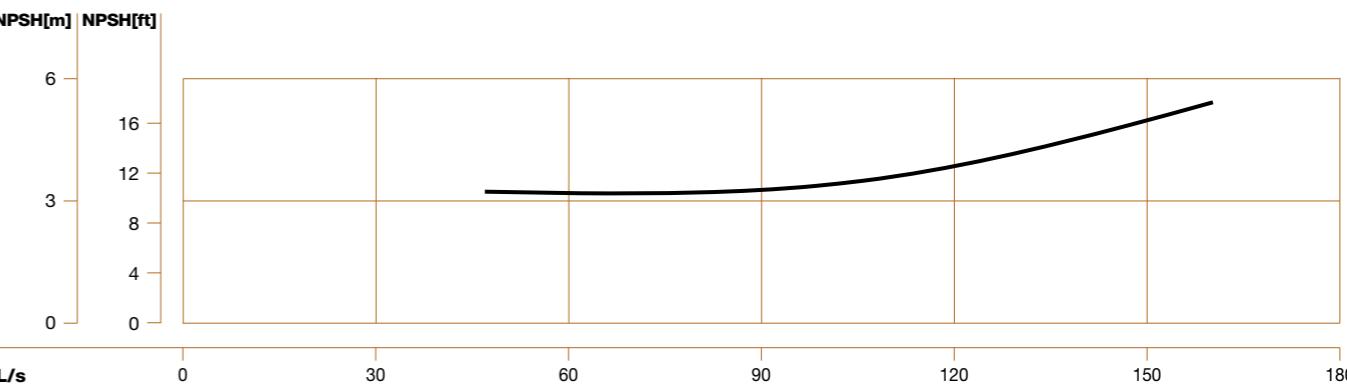
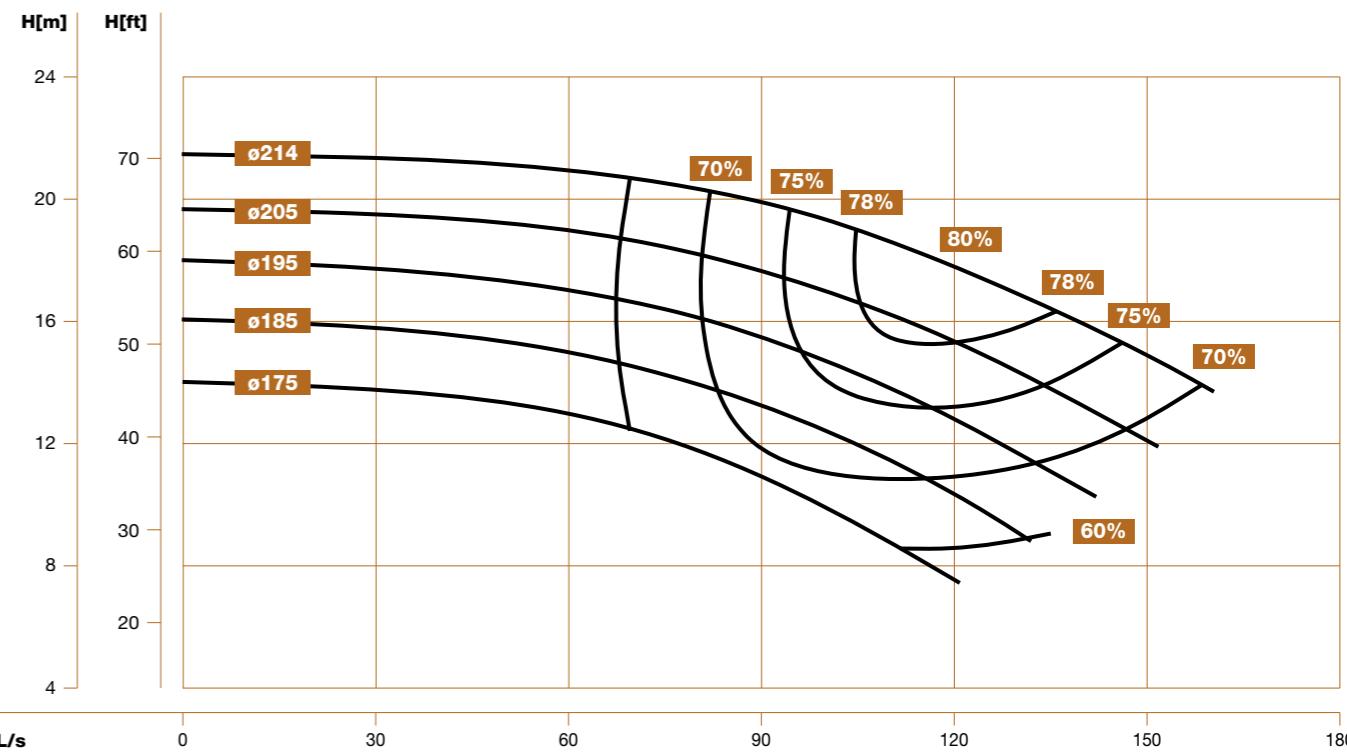
**NLF150-125-315** 1750 rpm



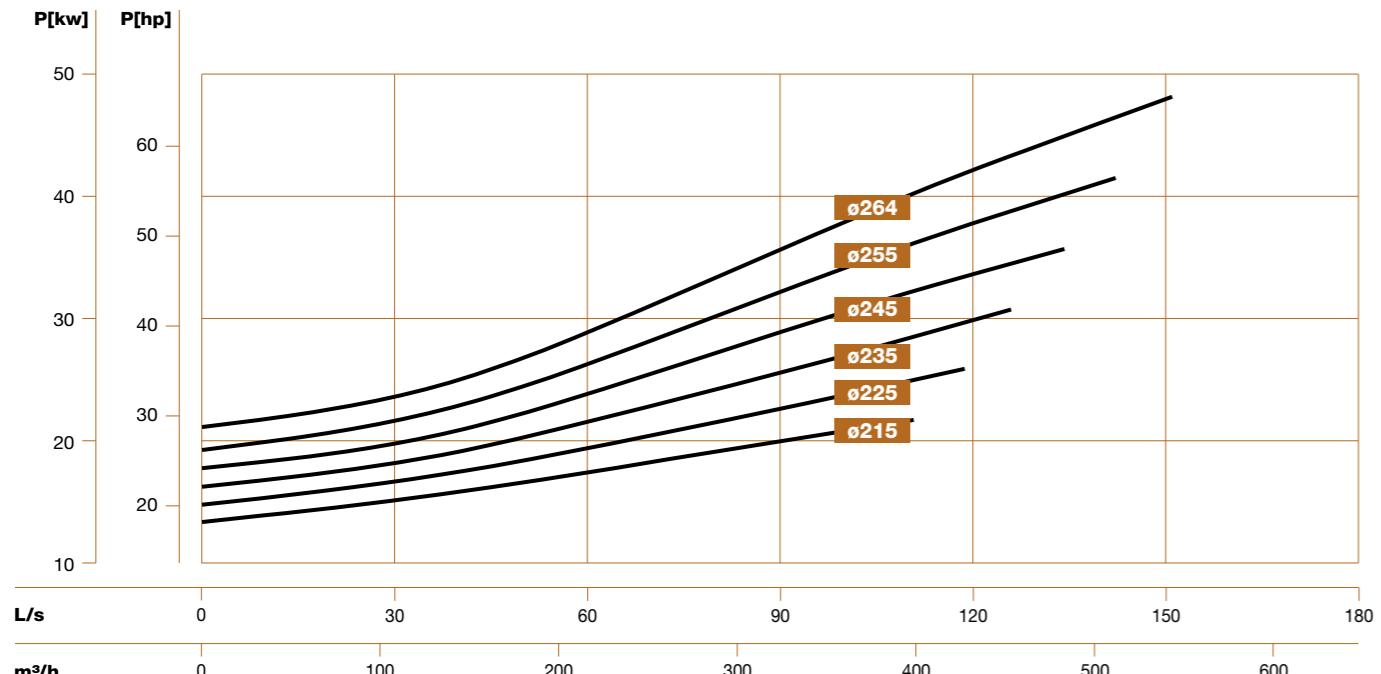
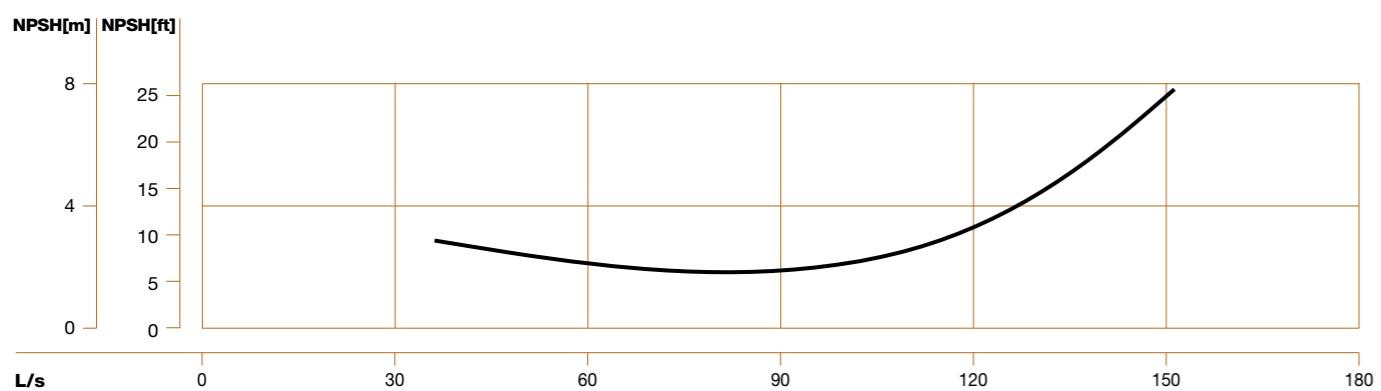
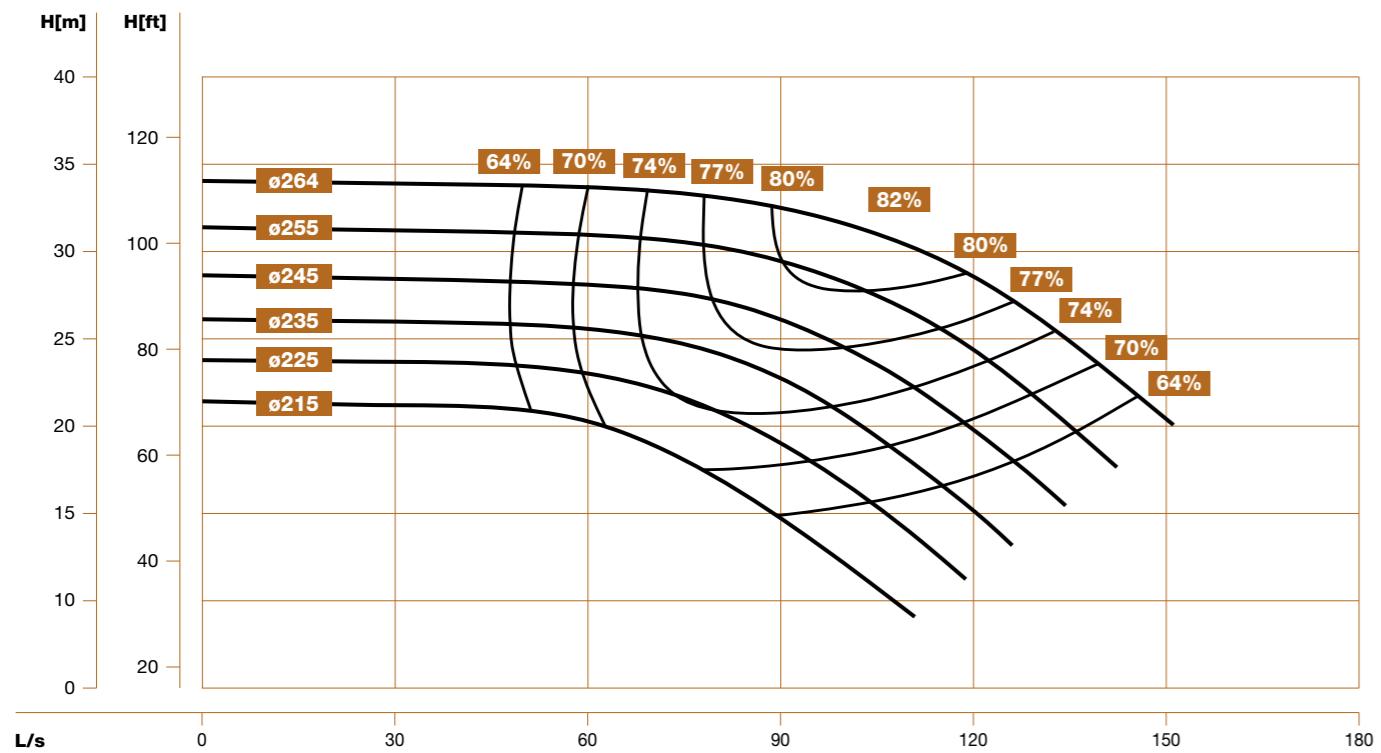
**NLF150-125-400** 1750 rpm



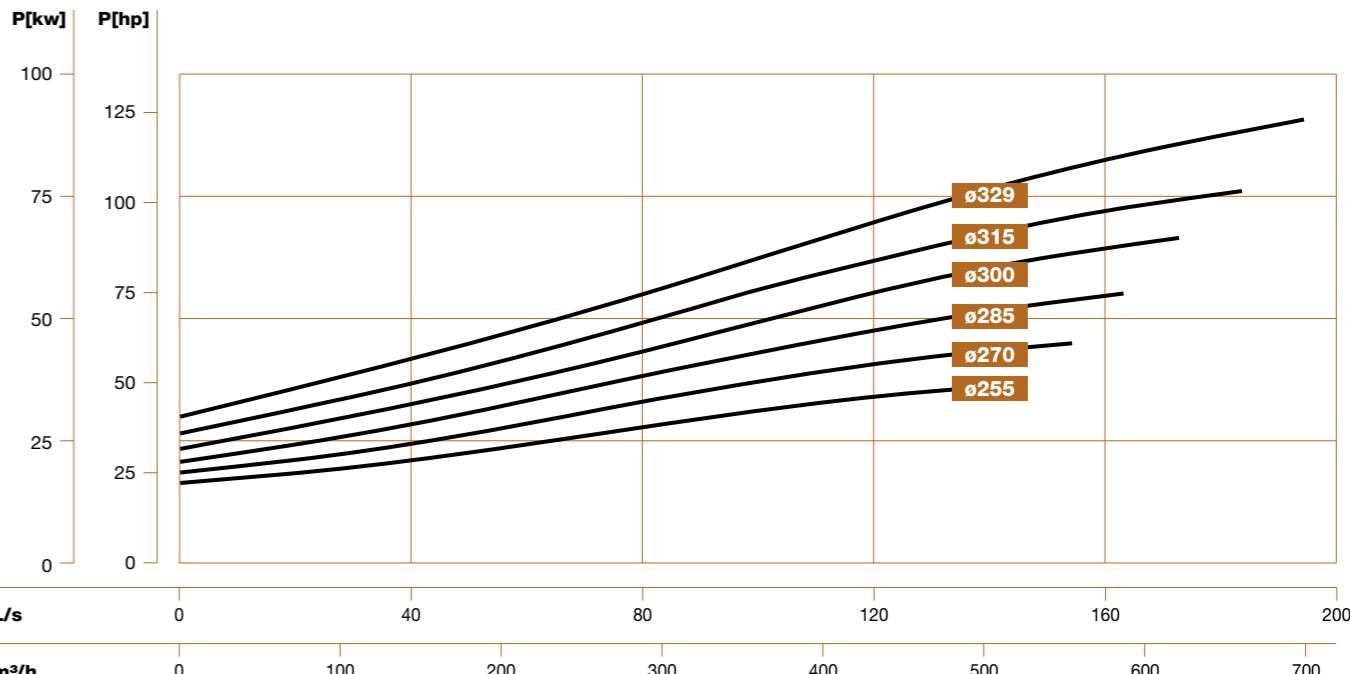
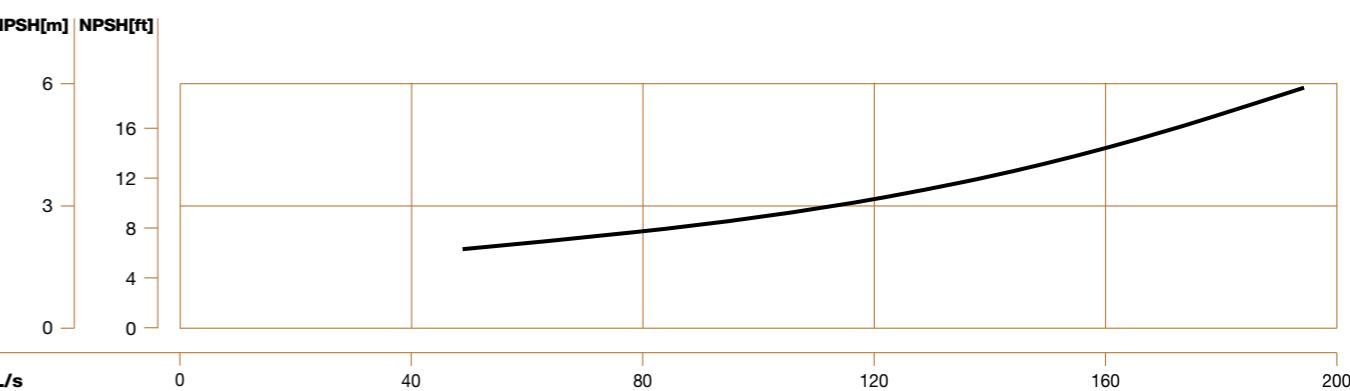
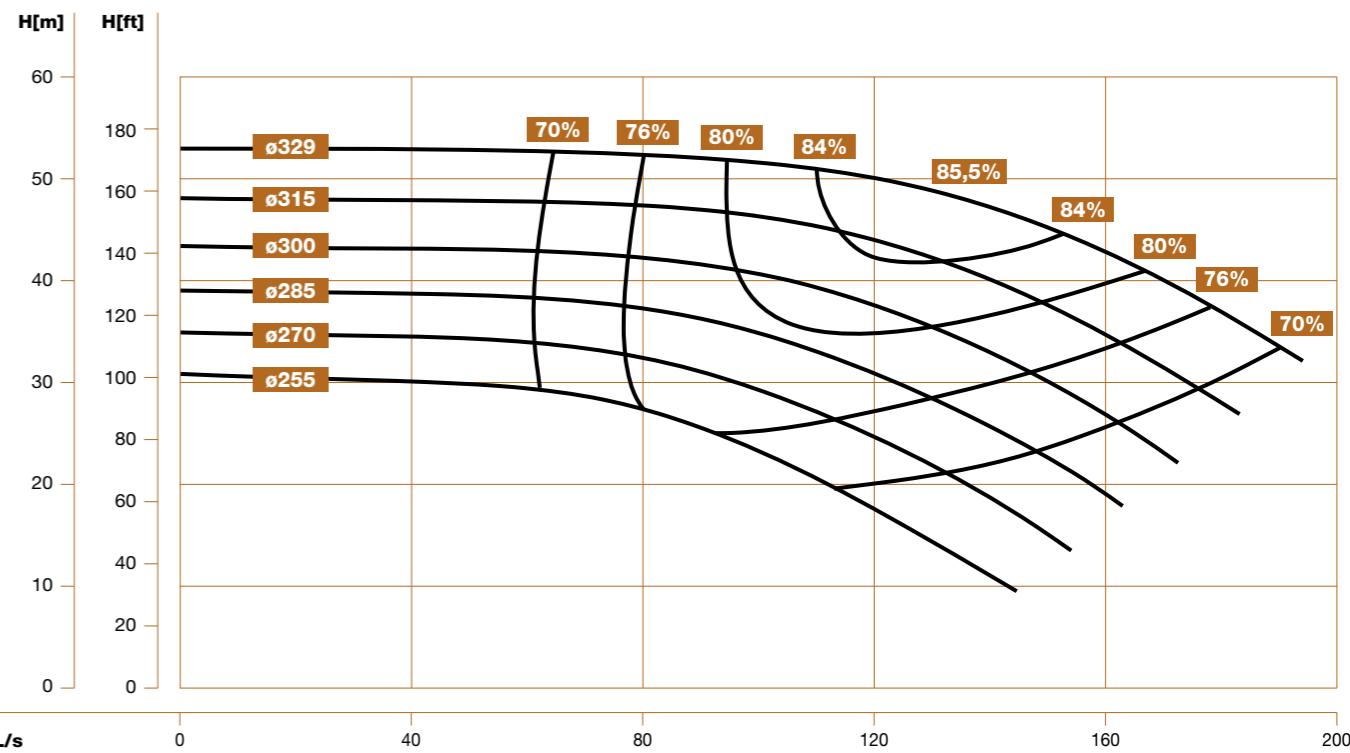
**NLF200-150-200** 1750 rpm

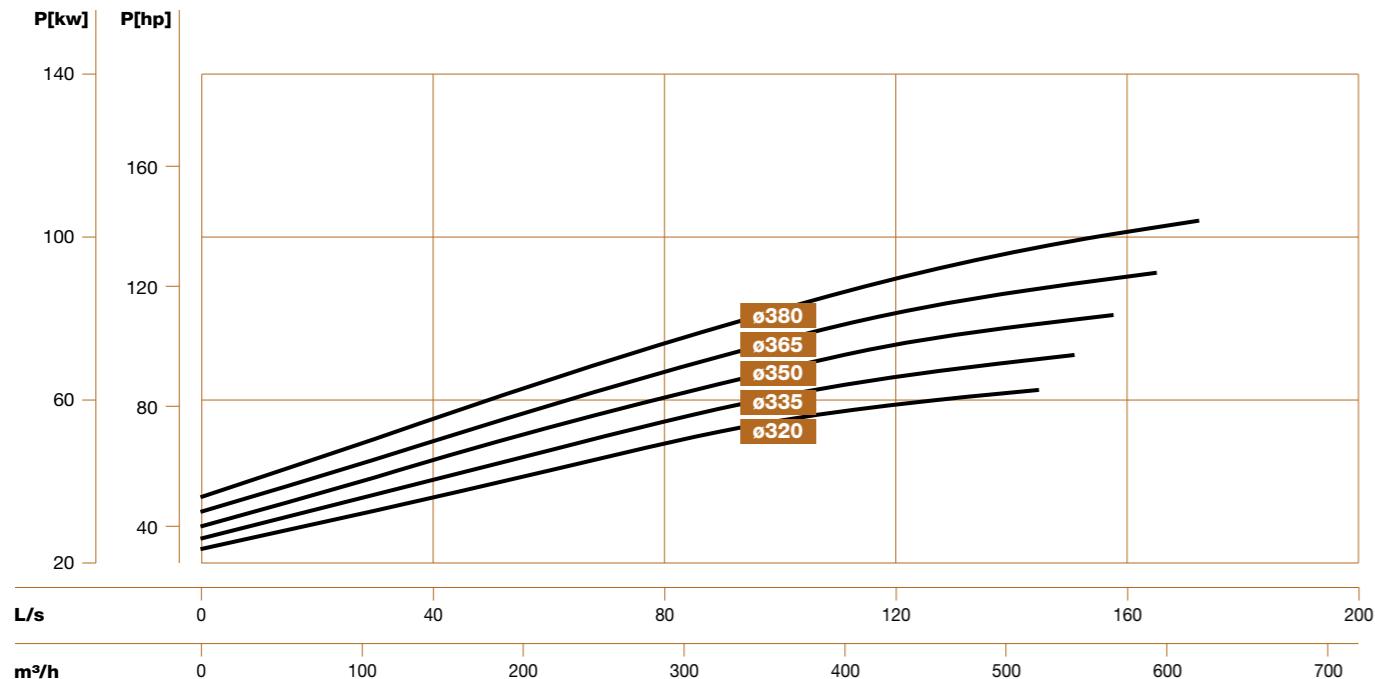
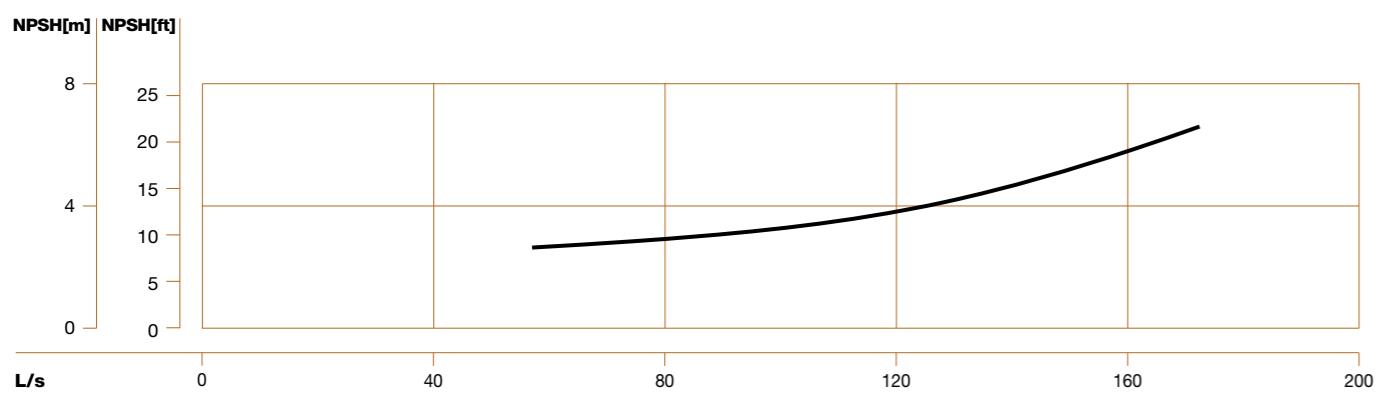
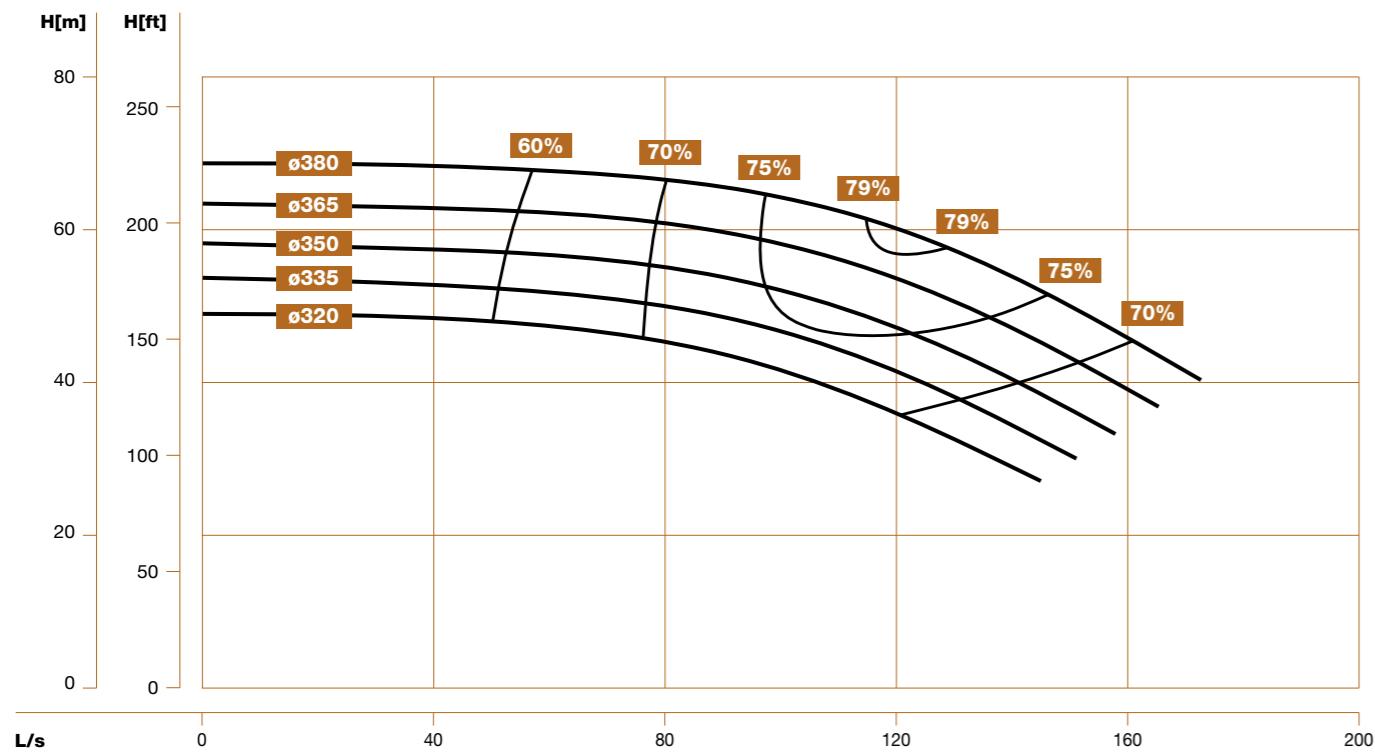
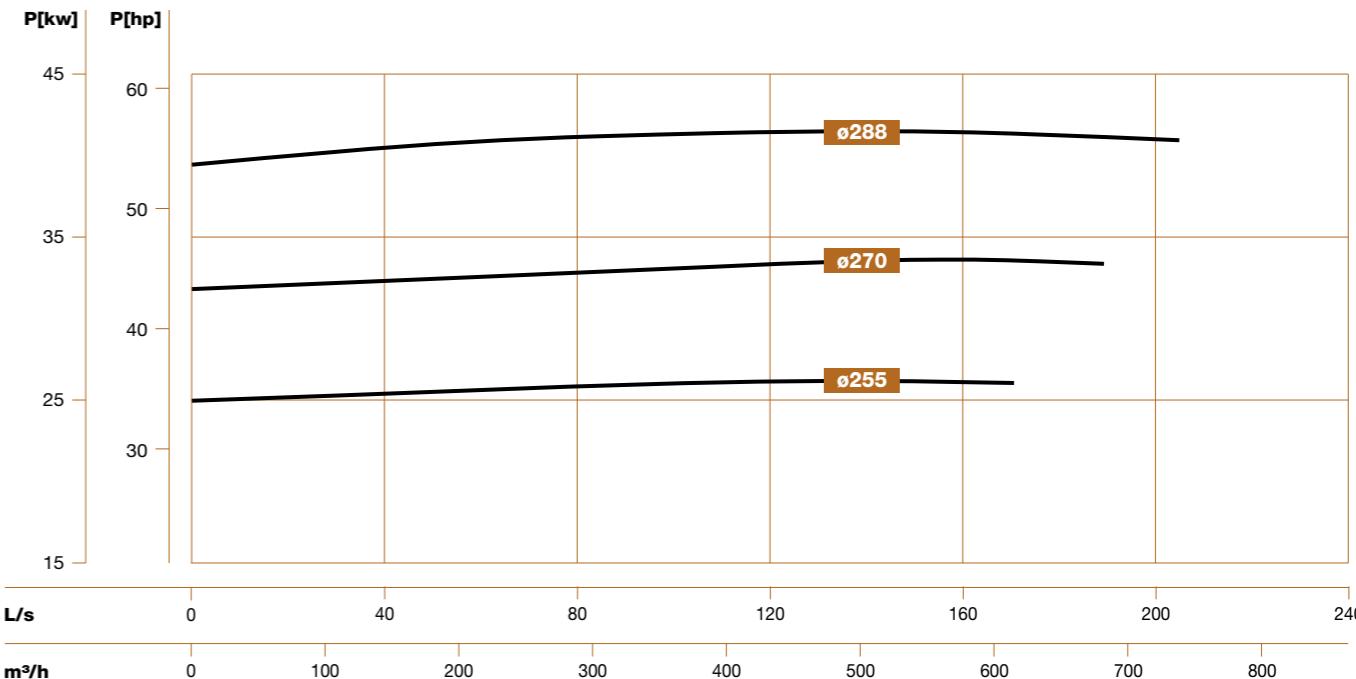
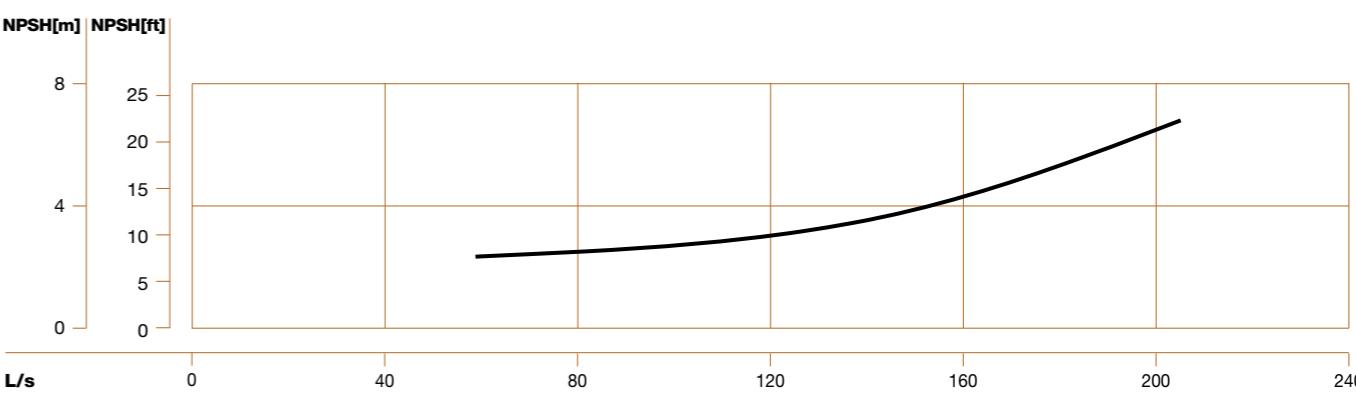
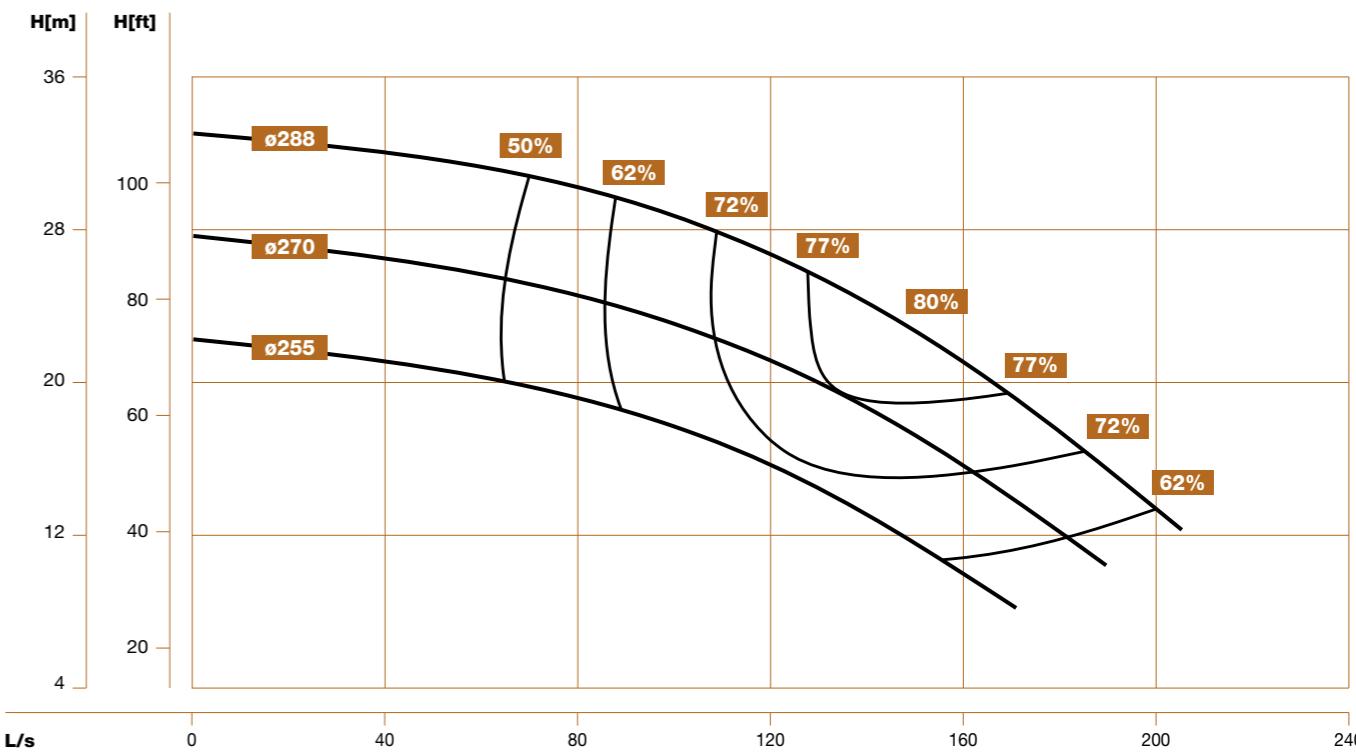


**NLF200-150-250** 1750 rpm

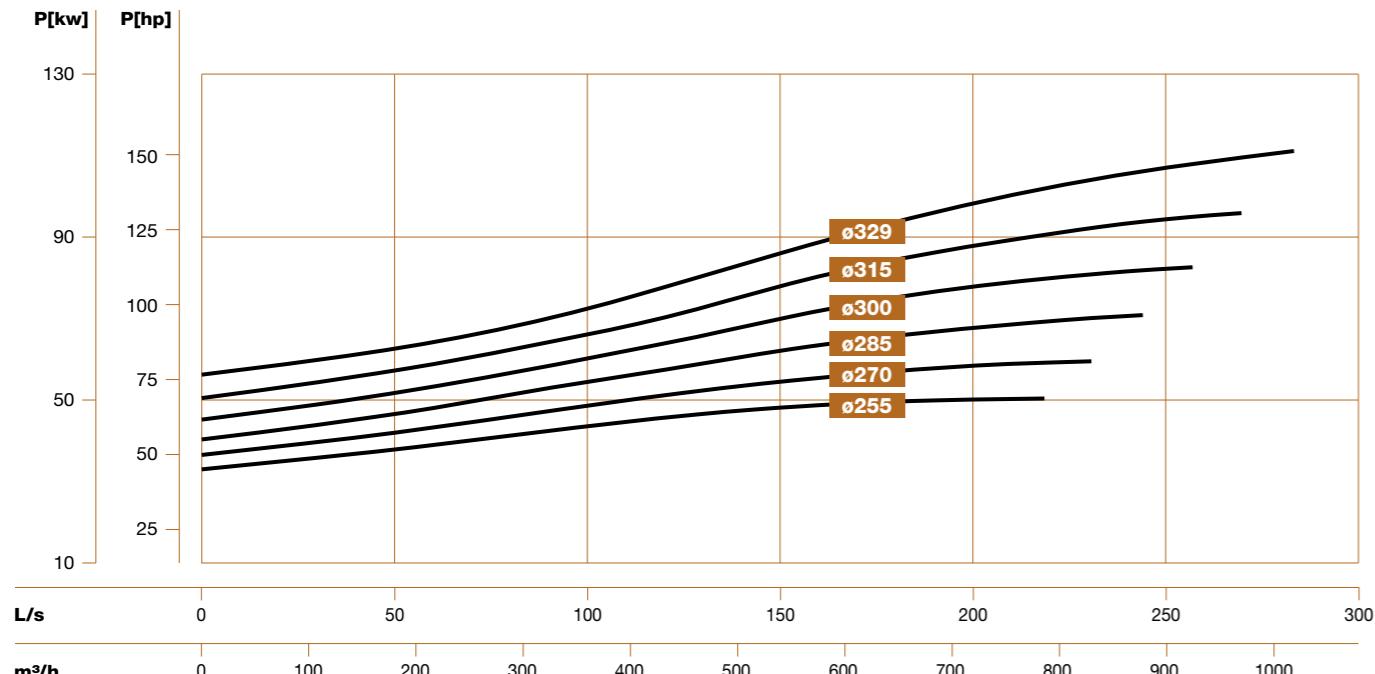
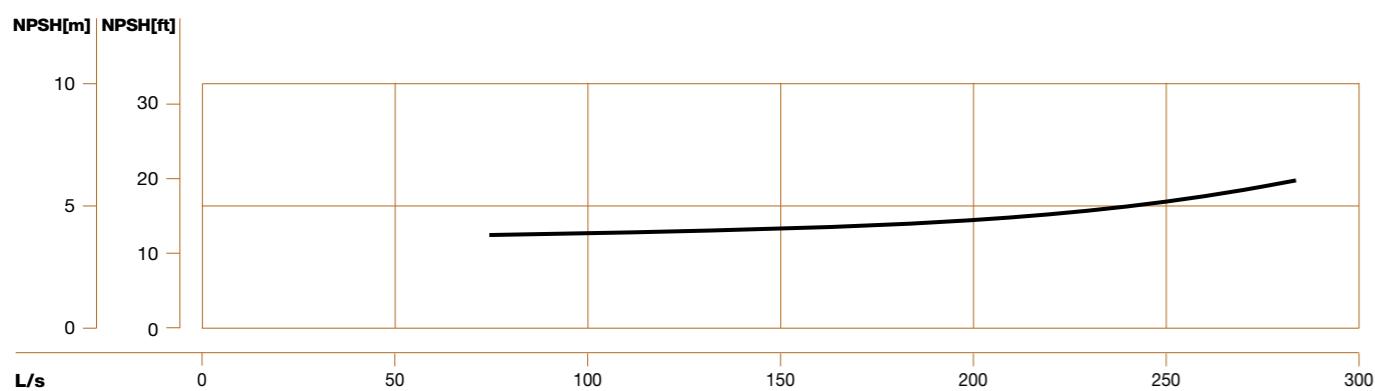
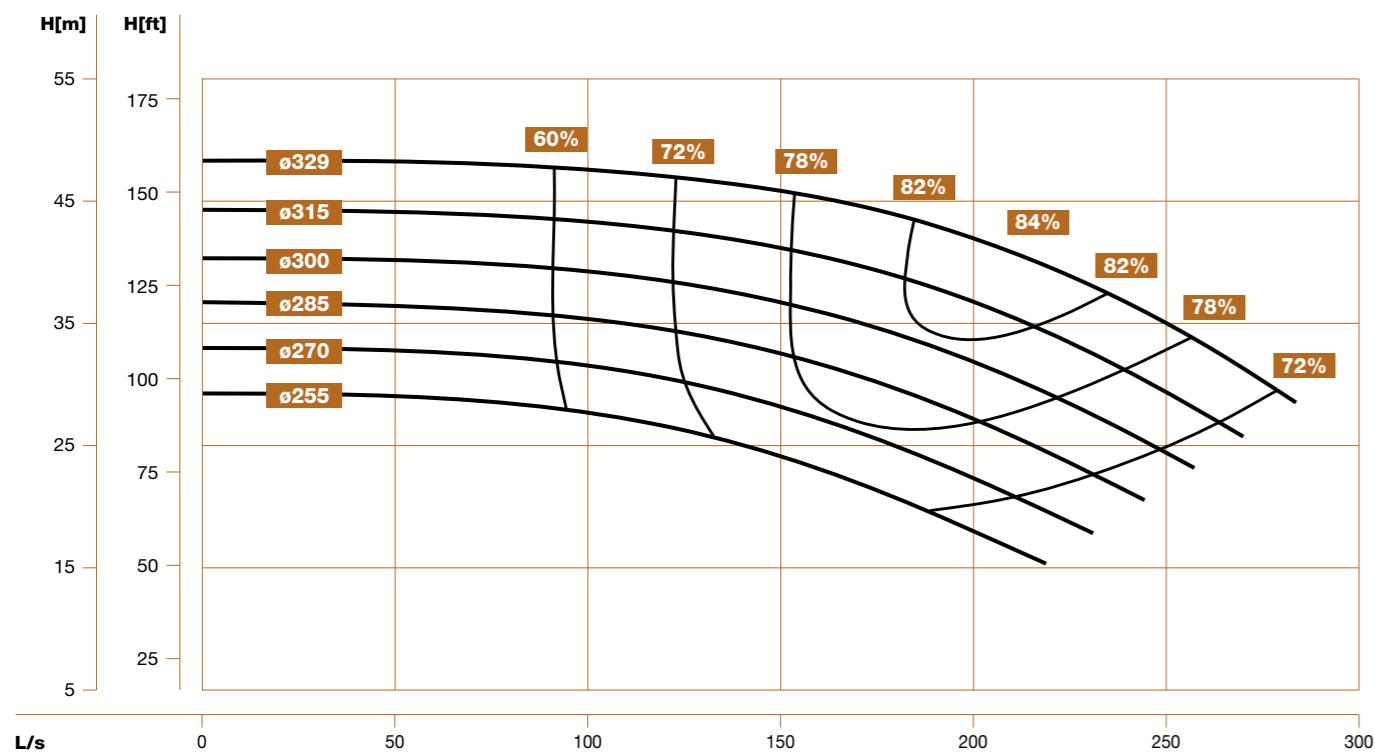


**NLF200-150-315** 1750 rpm

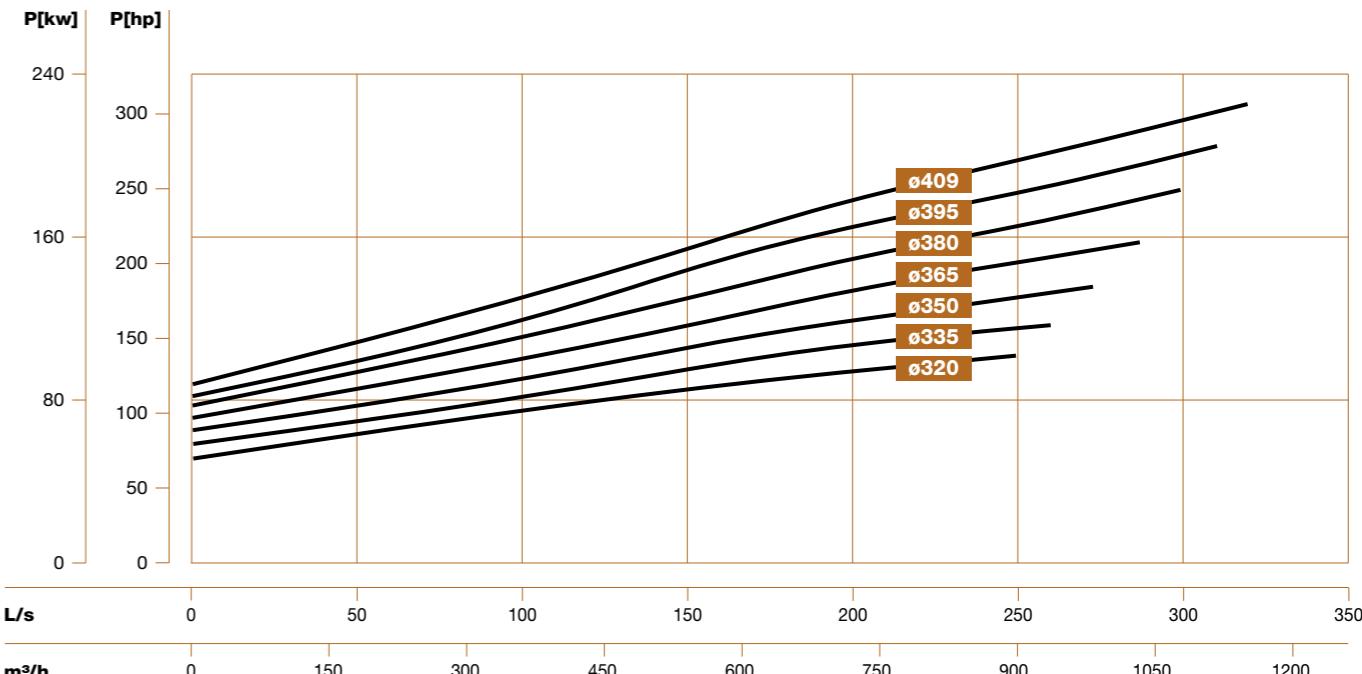
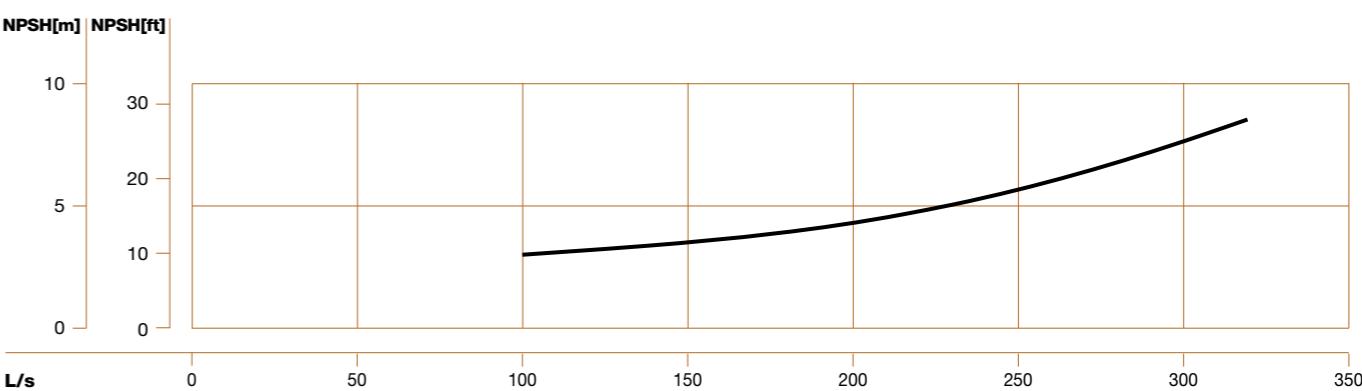
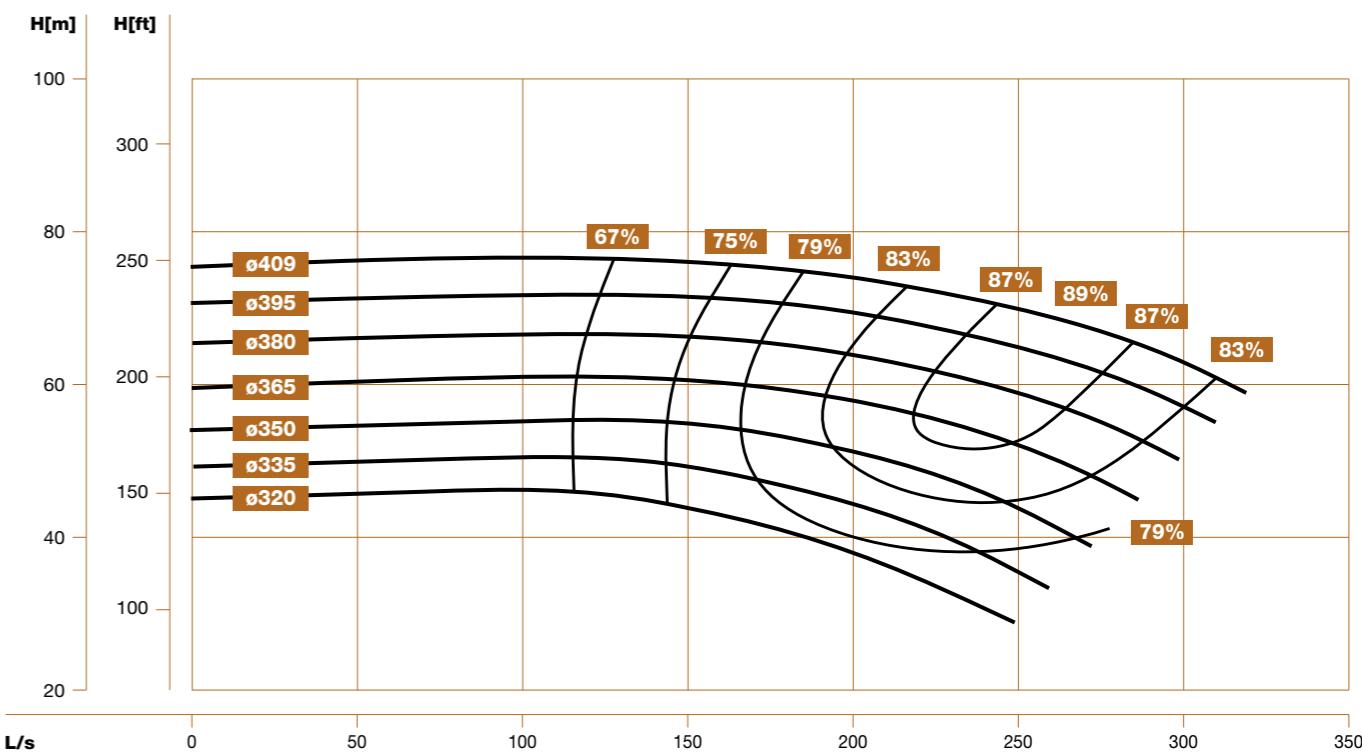


**NLF200-150-400 1750 rpm****NLF250-200-250 1750 rpm**

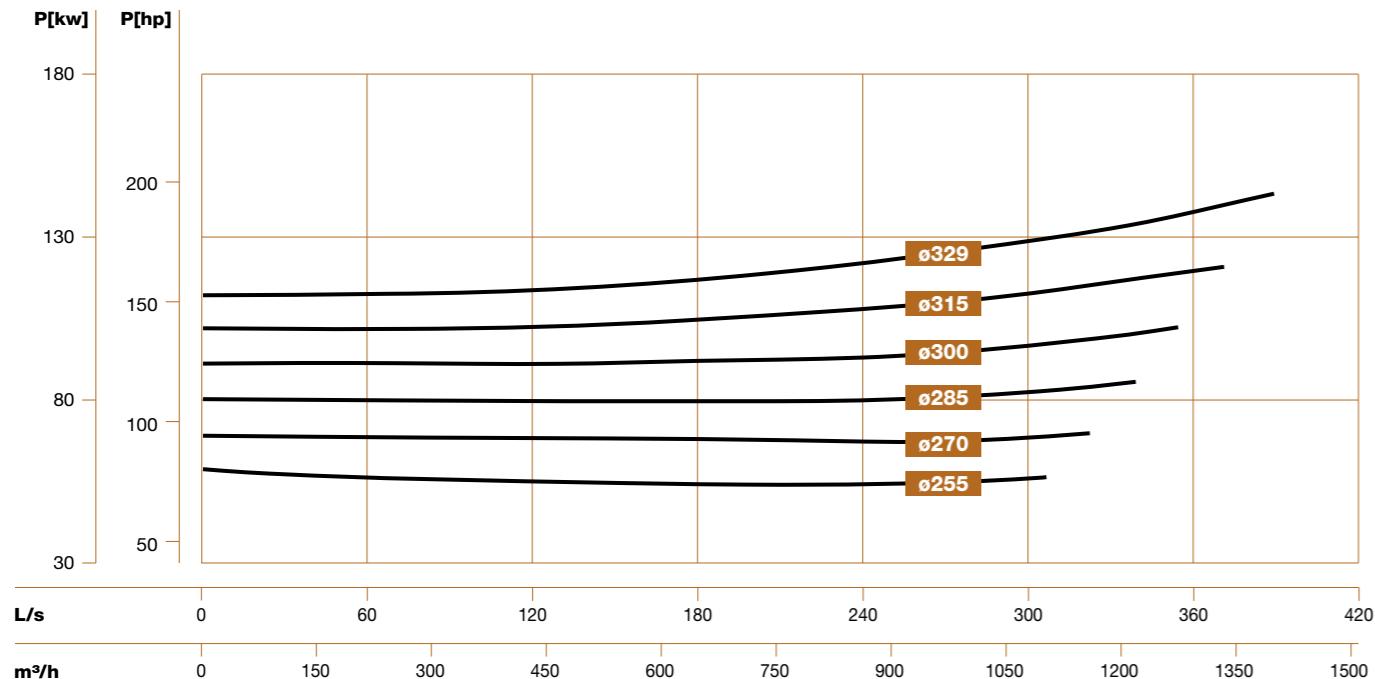
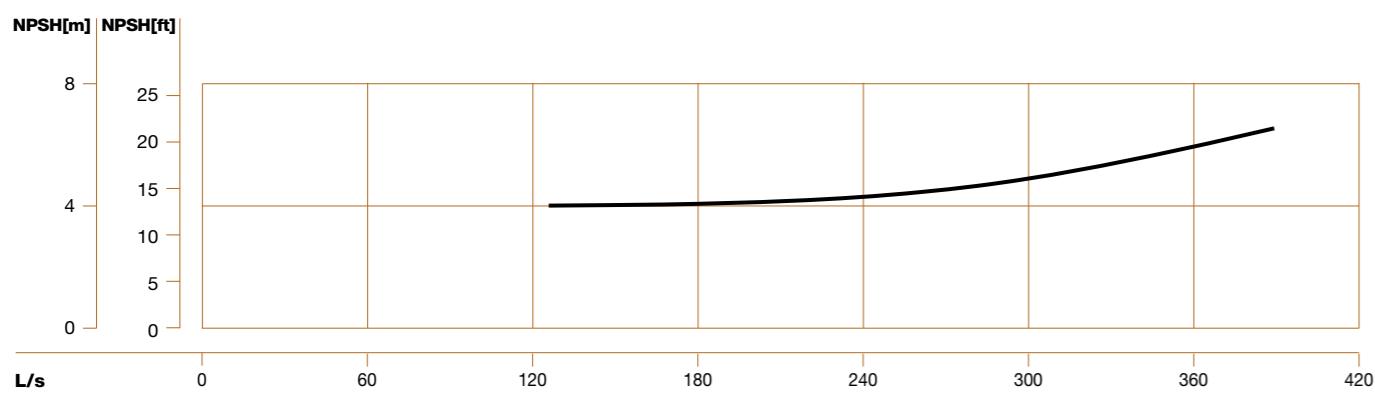
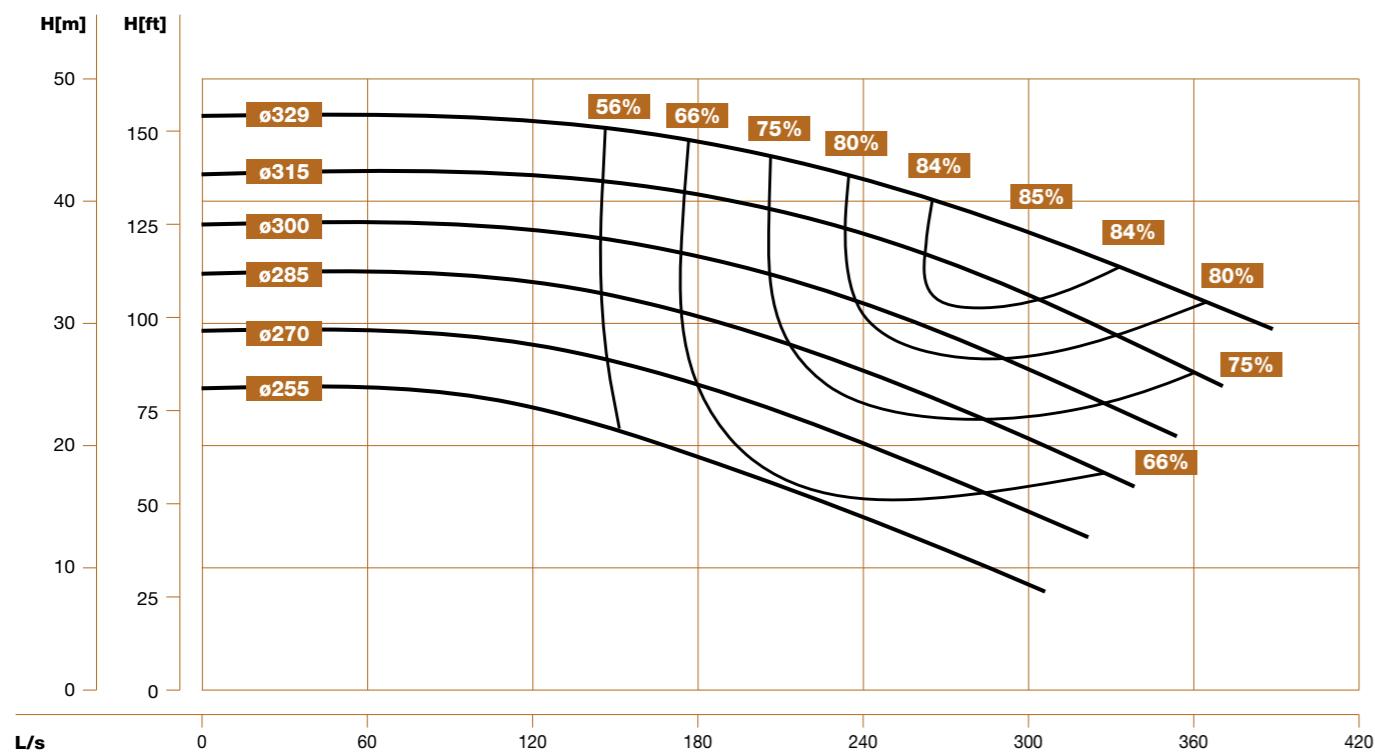
**NLF250-200-315** 1750 rpm



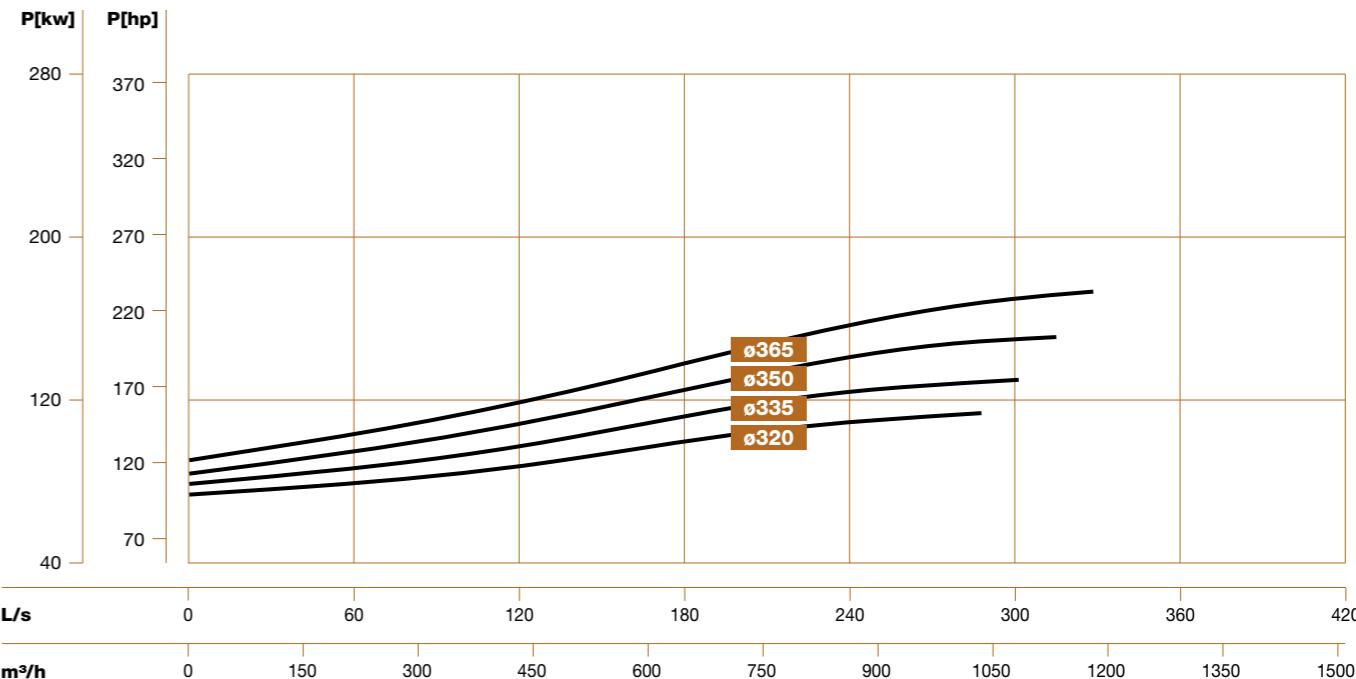
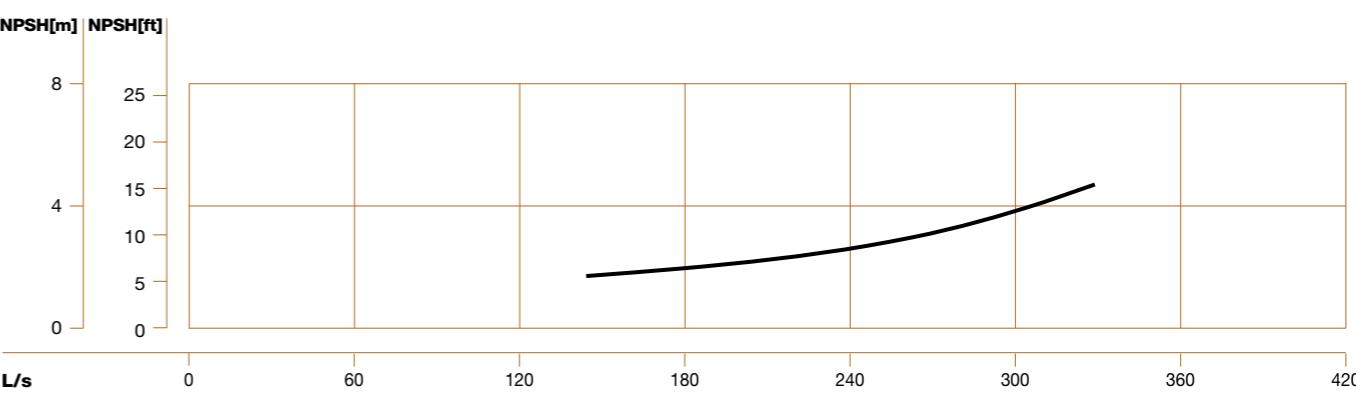
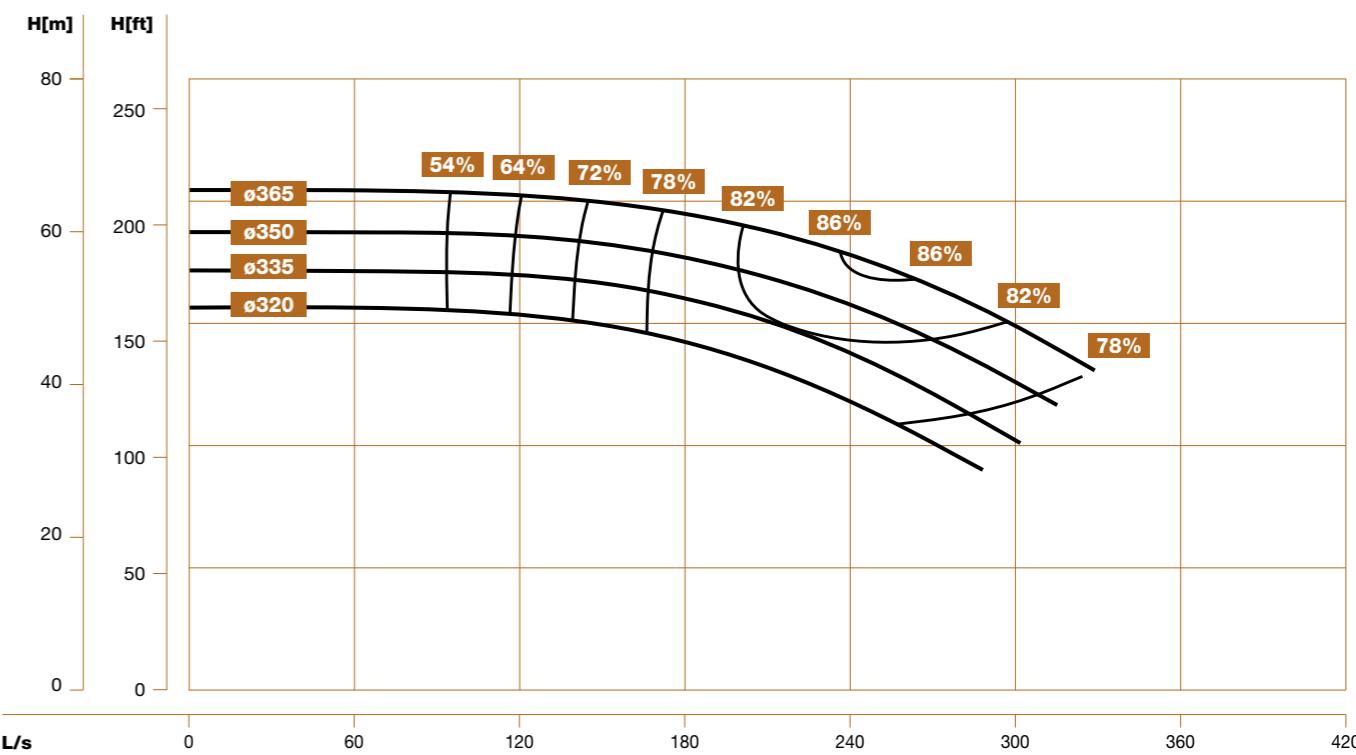
**NLF250-200-400** 1750 rpm



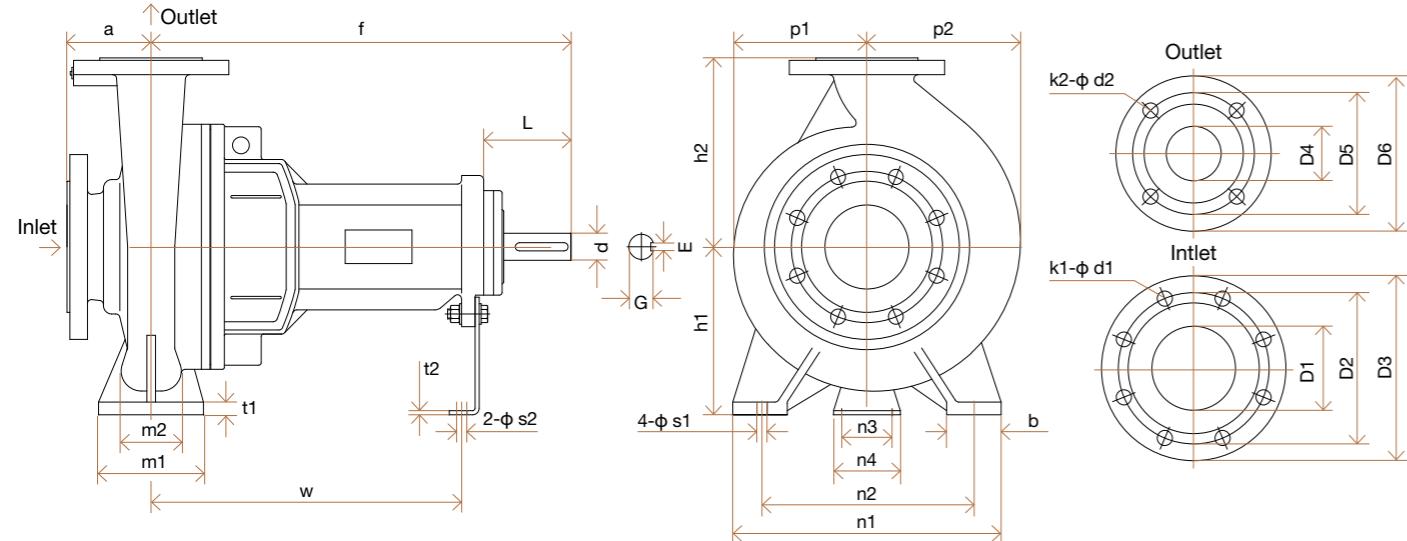
**NLF300-250-315** 1750 rpm



**NLF300-250-400** 1750 rpm



## **NLF / NLFX / NLFB / NLX / NLN Pump dimensions**



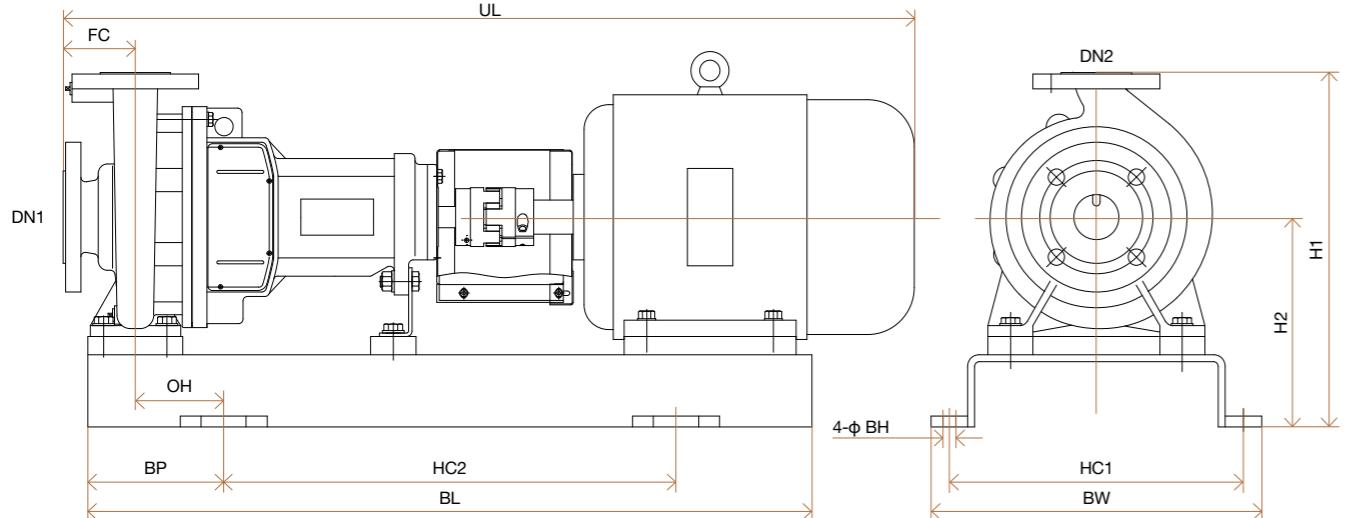
**Flange dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)**

<b>DN1/DN2</b>	32	40	50	65	80	100	125	150	200	250	300	350	400
<b>D1/D2</b>	140	150	165	185	200	220	250	285	340	405	460	520	580
<b>K1/K2</b>	100	110	125	145	160	180	210	240	295	355	410	470	525
<b>n-d1 / n-d2</b>	4-Φ18	4-Φ18	4-Φ18	4-Φ18	8-Φ18	8-Φ18	8-Φ18	8-Φ22	12-Φ22	12-Φ26	12-Φ26	16-Φ26	16-Φ30

## **NLF / NLFX / NLFB / NLX / NLN Pump dimension table**

NLF / NLFX / NLFB / NLX / NLN Pump dimension table

## NLF / NLFX / NLFB / NLX / NLN Pump set dimension



Model	Kw	a	H	c	L4	H1	H2	L	L1	L2	L3	s	w	B1	B	Od	Pump	Motor	Total
NLF50-32-125/4	4	80	312	4	400	172	360	844	80	560	750	25	60	294	330	16	29	43	93
NLF50-32-125/3	3	80	312	4	385	172	342	829	80	560	750	25	60	244	280	16	29	44	91
NLF50-32-125/2.2	2.2	80	312	4	345	172	332	789	80	560	750	25	60	244	280	16	29	26	73
NLF50-32-125/1,5	1.5	80	312	4	320	172	332	764	80	560	750	25	60	244	280	16	29	21	69
NLF50-32-125/1,1	1.1	80	312	4	295	172	312	739	80	560	750	25	60	244	280	16	29	17	65
NLF50-32-125/0.75	0.75	80	312	4	295	172	312	739	80	560	750	25	60	244	280	16	29	16	64
NLF50-32-125/0.55	0.55	80	312	4	295	172	312	739	80	560	750	25	60	244	280	16	29	16	64
NLF50-32-160/7,5	7.5	80	365	4	470	205	418	914	70	630	800	25	73	317	350	18	35	69	135
NLF50-32-160/5,5	5.5	80	365	4	470	205	418	914	70	630	800	25	73	317	350	18	35	65	131
NLF50-32-160/4	4	80	352	4	400	192	380	844	80	560	750	25	60	294	330	16	35	43	99
NLF50-32-160/3	3	80	352	4	385	192	362	829	80	560	750	25	60	294	330	16	35	44	100
NLF50-32-160/2,2	2.2	80	352	4	345	192	352	789	80	560	750	25	60	294	330	16	35	26	81
NLF50-32-160/1,5	1.5	80	352	4	320	192	352	764	80	560	750	25	60	294	330	16	35	21	77
NLF50-32-160/1,1	1.1	80	352	4	320	192	352	764	80	560	750	25	60	294	330	16	35	22	78
NLF50-32-160/0.75	0.75	80	352	4	295	192	332	739	80	560	750	25	60	294	330	16	35	17	73
NLF50-32-160/0.55	0.55	80	352	4	295	192	332	739	80	560	750	25	60	294	330	16	35	16	72
NLF50-32-200/15	15	80	413	4	605	233	473	1049	70	780	1000	12.5	73	387	420	18	47	109	195
NLF50-32-200/11	11	80	413	4	605	233	473	1049	70	780	1000	12.5	73	387	420	18	47	108	194
NLF50-32-200/7,5	7.5	80	413	4	470	233	446	914	70	630	800	12.5	73	317	350	18	47	69	148
NLF50-32-200/5,5	5.5	80	413	4	470	233	446	914	70	630	800	12.5	73	317	350	18	47	65	144
NLF50-32-200/4	4	80	400	4	400	220	408	844	80	560	750	12.5	60	294	330	16	47	43	112
NLF50-32-200/2,2	2.2	80	400	4	385	220	390	829	80	560	750	12.5	60	294	330	16	47	34	103
NLF50-32-200/1,5	1.5	80	400	4	345	220	380	789	80	560	750	12.5	60	294	330	16	47	27	95
NLF50-32-200/1,1	1.1	80	400	4	320	220	380	764	80	560	750	12.5	60	294	330	16	47	22	91
NLF50-32-200/0.75	0.75	80	400	4	295	220	360	739	80	560	750	12.5	60	294	330	16	47	17	86
NLF50-32-200/0.55	0.55	80	400	4	295	220	360	739	80	560	750	12.5	60	294	330	16	47	16	85
NLF50-32-250/30	30	100	515	4	765	290	590	1229	85	750	1100	32.5	90	417	460	18	58	224	340
NLF50-32-250/22	22	100	478	4	690	253	513	1154	70	780	1000	32.5	73	387	420	18	58	155	259

Model	Kw	a	H	c	L4	H1	H2	L	L1	L2	L3	s	w	B1	B	Od	Pump	Motor	Total
NLF50-32-250/18.5	18.5	100	478	4	660	253	493	1124	70	780	1000	32.5	73	387	420	18	58	133	229
NLF50-32-250/15	15	100	478	4	605	253	493	1069	70	780	1000	32.5	73	387	420	18	58	109	206
NLF50-32-250/11	11	100	478	4	605	253	493	1069	70	780	1000	32.5	73	387	420	18	58	108	205
NLF50-32-250/5.5	5.5	100	478	4	400	253	441	864	70	630	800	32.5	73	387	420	18	58	47	133
NLF50-32-250/4	4	100	478	4	385	253	423	849	70	630	800	32.5	73	387	420	18	58	37	123
NLF50-32-250/2.2	2.2	100	478	4	385	253	423	849	70	630	800	32.5	73	387	420	18	58	34	120
NLF50-32-250/1.5	1.5	100	478	4	345	253	413	809	70	630	800	32.5	73	387	420	18	58	27	112
NLF65-40-125/7.5	7.5	80	345	4	470	205	418	914	70	630	800	25	73	317	350	18	31	69	132
NLF65-40-125/5.5	5.5	80	345	4	470	205	418	914	70	630	800	25	73	317	350	18	31	65	128
NLF65-40-125/4	4	80	312	4	400	172	360	844	80	560	750	25	60	294	330	16	31	43	95
NLF65-40-125/3	3	80	312	4	385	172	342	829	80	560	750	25	60	244	280	16	31	44	93
NLF65-40-125/2.2	2.2	80	312	4	345	172	323	800	80										

<b>Model</b>	<b>Kw</b>	<b>a</b>	<b>H</b>	<b>c</b>	<b>L4</b>	<b>H1</b>	<b>H2</b>	<b>L</b>	<b>L1</b>	<b>L2</b>	<b>L3</b>	<b>s</b>	<b>w</b>	<b>B1</b>	<b>B</b>	<b>Od</b>	<b>Pump</b>	<b>Motor</b>	<b>Total</b>
NLF65-40-250/4	4	100	478	4	400	253	441	864	70	630	800	34.5	73	387	420	18	61	47	136
NLF65-40-250/3	3	100	478	4	385	253	423	849	70	630	800	34.5	73	387	420	18	61	37	126
NLF65-40-250/2.2	2.2	100	478	4	385	253	423	849	70	630	800	34.5	73	387	420	18	61	34	123
NLF65-40-250/1.5	1.5	100	478	4	345	253	413	809	70	630	800	34.5	73	387	420	18	61	27	115
NLF65-40-315/11	11	125	523	4	605	273	513	1204	80	890	1100	57.5	73	387	420	18	94	108	243
NLF65-40-315/7.5	7.5	125	523	4	510	273	486	1109	80	800	1000	57.5	73	387	420	18	94	79	210
NLF65-40-315/5.5	5.5	125	523	4	470	273	486	1069	80	800	1000	57.5	73	387	420	18	94	65	197
NLF65-40-315/4	4	125	523	4	400	273	461	999	70	700	900	57.5	73	387	420	18	94	47	177
NLF65-40-315/3	3	125	523	4	385	273	443	984	80	690	900	57.5	73	387	420	18	94	37	167
NLF65-50-125/11	11	100	393	4	605	233	473	1069	70	780	1000	45	73	387	420	18	35	108	183
NLF65-50-125/7.5	7.5	100	365	4	470	205	418	934	70	630	800	45	73	317	350	18	35	69	135
NLF65-50-125/5.5	5.5	100	365	4	470	205	418	934	70	630	800	45	73	317	350	18	35	65	131
NLF65-50-125/4	4	100	352	4	400	192	380	864	80	560	750	45	60	294	330	16	35	43	99
NLF65-50-125/3	3	100	352	4	385	192	362	849	80	560	750	45	60	294	330	16	35	44	100
NLF65-50-125/2.2	2.2	100	352	4	385	192	362	849	80	560	750	45	60	294	330	16	35	34	90
NLF65-50-125/1.5	1.5	100	352	4	345	192	352	809	80	560	750	45	60	294	330	16	35	27	82
NLF65-50-125/1.1	1.1	100	352	4	320	192	352	784	80	560	750	45	60	294	330	16	35	22	78
NLF65-50-125/0.75	0.75	100	352	4	295	192	332	759	80	560	750	45	60	294	330	16	35	17	73
NLF65-50-125/0.55	0.55	100	352	4	295	192	332	759	80	560	750	45	60	294	330	16	35	16	72
NLF65-50-160/22	22	100	433	4	690	253	513	1154	70	780	1000	32.5	73	387	420	18	39	155	241
NLF65-50-160/18.5	18.5	100	413	4	660	233	473	1124	70	780	7000	32.5	73	387	420	18	39	133	210
NLF65-50-160/15	15	100	413	4	605	233	473	1069	70	780	1000	32.5	73	387	420	18	39	109	186
NLF65-50-160/11	11	100	413	4	605	233	473	1069	70	780	1000	32.5	73	387	420	18	39	108	185
NLF65-50-160/7.5	7.5	100	413	4	470	233	446	934	70	630	800	32.5	73	317	350	18	39	69	140
NLF65-50-160/5.5	5.5	100	413	4	470	233	446	934	70	630	800	32.5	73	317	350	18	39	65	136
NLF65-50-160/4	4	100	400	4	400	220	408	864	80	560	750	32.5	60	294	330	16	39	43	104
NLF65-50-160/3	3	100	400	4	385	220	390	849	80	560	750	32.5	60	294	30	16	39	37	98
NLF65-50-160/2.2	2.2	100	400	4	385	220	390	849	80	560	750	32.5	60	294	330	16	39	34	95
NLF65-50-160/1.5	1.5	100	400	4	345	220	380	809	80	560	750	32.5	60	294	330	16	39	27	87
NLF65-50-160/1.1	1.1	100	400	4	320	220	380	784	80	560	750	32.5	60	294	330	16	39	22	83
NLF65-50-160/0.75	0.75	100	400	4	295	220	360	759	80	560	750	32.5	60	294	330	16	39	17	78
NLF65-50-160/0.55	0.55	100	400	4	295	220	360	759	80	560	750	32.5	60	294	330	16	39	16	77
NLF65-50-200/30	30	100	490	4	765	290	590	1229	85	750	1100	35.5	90	417	460	18	49	224	333
NLF65-50-200/22	22	100	453	4	690	253	513	1154	70	780	1000	35.5	73	387	420	18	49	155	251
NLF65-50-200/18.5	18.5	100	433	4	660	233	473	1124	70	780	1000	35.5	73	387	420	18	49	133	220
NLF65-50-200/15	15	100	433	4	605	233	473	1069	70	780	1000	35.5	73	387	420	18	49	109	196
NLF65-50-200/11	11	100	433	4	605	233	473	1069	70	780	1000	35.5	73	387	420	18	49	108	195
NLF65-50-200/7.5	7.5	100	433	4	470	233	446	934	70	630	800	35.5	73	317	350	18	49	69	150
NLF65-50-200/4	4	100	420	4	400	220	408	864	80	560	750	35.5	60	294	330	16	49	47	118
NLF65-50-200/3	3	100	420	4	385	220	390	849	80	560	750	35.5	60	294	330	16	49	37	108
NLF65-50-200/2.2	2.2	100	420	4	385	220	390	849	80	560	750	35.5	60	294	330	16	49	34	105

**Model**	**Kw**	**a**	**H**	**c**	**L4**	**H1**	**H2**	**L**	**L1**	**L2**	**L3**	**s**	**w**	**B1**	**B**	**Od**	**Pump**	**Motor**	**Total**

</

<b>Model</b>	<b>Kw</b>	<b>a</b>	<b>H</b>	<b>c</b>	<b>L4</b>	<b>H1</b>	<b>H2</b>	<b>L</b>	<b>L1</b>	<b>L2</b>	<b>L3</b>	<b>s</b>	<b>w</b>	<b>B1</b>	<b>B</b>	<b>Od</b>	<b>Pump</b>	<b>Motor</b>	<b>Total</b>
NLF80-65-250/55	55	100	590	4	910	340	705	1484	110	950	1300	15	90	507	550	18	87	373	554
NLF80-65-250/45	45	100	565	4	805	315	640	1379	85	890	1200	15	90	457	500	18	87	286	441
NLF80-65-250/37	37	100	540	4	765	290	590	1339	85	830	1200	15	90	417	460	18	87	235	380
NLF80-65-250/30	30	100	540	4	765	290	590	1339	85	830	1200	15	90	417	460	18	87	224	370
NLF80-65-250/15	15	100	523	4	660	273	513	1234	80	890	1100	15	73	387	420	18	87	129	257
NLF80-65-250/11	11	100	523	4	605	273	513	1179	80	890	1100	15	73	387	420	18	87	108	237
NLF80-65-250/7.5	7.5	100	523	4	510	273	486	1084	80	800	1000	15	73	387	420	18	87	79	204
NLF80-65-250/5.5	5.5	100	523	4	470	273	486	1044	80	800	1000	15	73	387	420	18	87	65	191
NLF80-65-250/4	4	100	523	4	400	273	461	974	80	690	900	15	73	387	420	18	87	47	170
NLF80-65-315/18.5	18.5	125	595	4	690	315	575	1289	85	830	1200	40	90	417	460	18	110	157	326
NLF80-65-315/15	15	125	595	4	660	315	555	1259	85	900	1100	40	90	417	460	18	110	129	288
NLF80-65-315/11	11	125	595	4	605	315	555	1204	85	900	1100	40	90	417	460	18	110	108	267
NLF80-65-315/7.5	7.5	125	595	4	510	315	528	1109	85	800	1000	40	90	417	460	18	110	79	235
NLF80-65-315/5.5	5.5	125	595	4	470	315	528	1069	85	800	1000	40	90	417	460	18	110	65	222
NLF100-80-160/45	45	125	540	4	805	315	640	1294	85	750	1100	57.5	90	457	500	18	53	286	339
NLF100-80-160/37	37	125	515	4	765	290	590	1254	85	750	1100	57.5	90	417	460	18	53	235	345
NLF100-80-160/30	30	125	515	4	765	290	590	1254	85	750	1100	57.5	90	417	460	18	53	224	335
NLF100-80-160/22	22	125	478	4	690	253	513	1179	70	780	1000	57.5	73	387	420	18	53	155	254
NLF100-80-160/2,2	2.2	125	478	4	385	253	423	874	70	630	800	57.5	73	387	420	18	53	34	115
NLF100-80-160/1.5	1.5	125	478	4	345	253	413	834	70	630	800	57.5	73	387	420	18	53	27	107
NLF100-80-200/75	75	125	625	6	980	375	755	1581	100	1070	1450	57.5	95	557	600	18	76	485	661
NLF100-80-200/55	55	125	590	4	910	340	705	1509	110	950	1300	57.5	90	507	550	18	76	373	542
NLF100-80-200/45	45	125	565	4	805	315	640	1404	85	860	1200	57.5	90	457	500	18	76	286	431
NLF100-80-200/37	37	125	540	4	765	290	590	1364	85	830	1200	57.5	90	417	460	18	76	235	368
NLF100-80-200/30	30	125	540	4	765	290	590	1364	85	830	1200	57.5	90	417	460	18	76	224	358
NLF100-80-200/22	22	125	503	4	690	253	513	1289	80	890	1100	57.5	73	387	420	18	76	155	279
NLF100-80-200/11	11	125	503	4	605	253	493	1204	80	890	1100	57.5	73	387	420	18	76	108	224
NLF100-80-200/7.5	7.5	125	503	4	510	253	466	1109	80	800	1000	57.5	73	387	420	18	76	79	192
NLF100-80-200/5.5	5.5	125	503	4	470	253	466	1069	80	800	1000	57.5	73	387	420	18	76	65	179
NLF100-80-200/4	4	125	503	4	400	253	441	999	80	690	900	57.5	73	387	420	18	76	47	158
NLF100-80-200/3	3	125	503	4	385	253	423	984	80	690	900	57.5	73	387	420	18	76	37	148
NLF100-80-250/90	90	125	655	6	1030	375	755	1631	100	1070	1450	40	95	557	600	18	95	541	738
NLF100-80-250/75	75	125	655	6	980	375	755	1581	100	1070	1450	40	95	557	600	18	95	485	682
NLF100-80-250/55	55	125	620	4	910	340	705	1509	110	950	1300	40	90	507	550	18	95	373	561
NLF100-80-250/45	45	125	595	4	805	315	640	1404	85	860	1200	57.5	90	457	500	18	95	286	448
NLF100-80-250/37	37	125	570	4	765	290	590	1364	85	860	1200	57.5	90	417	460	18	95	235	388
NLF100-80-250/18.5	18.5	125	553	4	690	273	533	1289	80	890	1100	40	73	417	450	18	95	157	302
NLF100-80-250/15	15	125	553	4	660	273	513	1259	80	890	1100	40	73	417	450	18	95	129	266
NLF100-80-200/11	11	125	503	4	605	253	493	1204	80	890	1100	57.5	73	387	420	18	95	108	246
NLF100-80-200/7.5	7.5	125	503	4	510	253	466	1109	80	800	1000	57.5	73	387	420	18	95	79	213
NLF100-80-200/5.5	5.5	125	503	4	470	253	466	1069	80	800	1000	57.5	73	387	420	18	95	65	200
NLF100-80-200/4	4	125	503	4	400	253	441	999	80	690	900	57.5	73	387	420	18	95	47	180
NLF100-80-315/30	30	12																	

<b>Model</b>	<b>Kw</b>	<b>a</b>	<b>H</b>	<b>c</b>	<b>L4</b>	<b>H1</b>	<b>H2</b>	<b>L</b>	<b>L1</b>	<b>L2</b>	<b>L3</b>	<b>s</b>	<b>w</b>	<b>B1</b>	<b>B</b>	<b>Od</b>	<b>Pump</b>	<b>Motor</b>	<b>Total</b>
NLF125-100-160/7.5	7.5	125	523	4	510	273	486	1109	80	800	1000	49	73	387	420	18	87	79	204
NLF125-100-160/5.5	5.5	125	523	4	470	273	486	1069	80	800	1000	49	73	387	420	18	87	65	191
NLF125-100-160/4	4	125	523	4	400	273	461	999	80	690	900	49	73	387	420	18	87	47	170
NLF125-100-160/3	3	125	523	4	385	273	443	984	80	690	900	49	73	387	420	18	87	37	160
NLF125-100-160/2.2	2.2	125	523	4	385	273	443	984	80	690	900	49	73	387	420	18	87	34	157
NLF125-100-200/75	75	125	655	6	980	375	755	1581	100	1070	1450	40	95	557	600	18	84	485	672
NLF125-100-200/55	55	125	620	4	910	340	705	1509	110	950	1300	40	90	507	550	18	84	373	551
NLF125-100-200/45	45	125	595	4	805	315	640	1404	85	890	1200	40	90	457	500	18	84	286	438
NLF125-100-200/37	37	125	570	4	765	290	590	1364	85	830	1200	40	90	417	460	18	84	235	377
NLF125-100-200/30	30	125	570	4	765	290	590	1364	85	830	1200	40	90	417	460	18	84	224	367
NLF125-100-200/15	15	125	553	4	660	273	513	1259	80	890	1100	40	73	387	420	18	84	129	254
NLF125-100-200/11	11	125	553	4	605	273	513	1204	80	890	1100	40	73	387	420	18	84	108	234
NLF125-100-200/7.5	7.5	125	553	4	510	273	486	1109	80	800	1000	40	73	387	420	18	84	79	201
NLF125-100-200/5.5	5.5	125	553	4	470	273	486	1069	80	800	1000	40	73	387	420	18	84	65	188
NLF125-100-200/4	4	125	553	4	400	273	461	999	80	690	900	40	73	387	420	18	84	47	167
NLF125-100-200/3	4	125	553	4	385	273	443	984	80	690	900	40	73	387	420	18	84	37	157
NLF125-100-250/30	30	140	595	4	765	315	615	1379	85	870	1200	55	90	417	460	18	102	240	401
NLF125-100-250/22	22	140	595	4	725	315	575	1339	85	830	1200	55	90	417	460	18	102	179	340
NLF125-100-250/185	18.5	140	595	4	690	315	575	1304	85	830	1200	55	90	417	460	18	102	157	318
NLF125-100-250/15	15	140	595	4	660	315	555	1274	85	900	1100	55	90	417	460	18	102	129	280
NLF125-100-250/11	11	140	595	4	605	315	555	1219	85	900	1100	55	90	417	460	18	102	108	259
NLF125-100-250/7.5	7.5	140	595	4	510	315	528	1124	85	800	1000	55	90	417	460	18	102	79	227
NLF125-100-315/37	37	140	655	4	810	340	670	1424	110	900	1300	57.5	90	457	500	18	118	301	503
NLF125-100-315/30	30	140	655	4	765	340	640	1379	858	850	1200	57.5	90	417	460	18	118	240	418
NLF125-100-315/22	22	140	655	4	725	340	600	1339	85	830	1200	57.5	90	417	460	18	118	179	357
NLF125-100-315/18.5	18.5	140	655	4	690	340	600	1304	85	830	1200	57.5	90	417	460	18	118	157	335
NLF125-100-315/15	15	140	655	4	660	340	580	1274	85	900	1100	57.5	90	417	460	18	118	129	297
NLF125-100-315/11	11	140	655	4	605	340	580	1219	85	900	1100	57.5	90	417	460	18	118	108	276
NLF125-100-400/75	75	140	730	6	980	375	755	1656	100	1070	1450	35	95	557	600	18	176	544	827
NLF125-100-400/55	55	140	725	4	910	370	735	1584	110	1010	1450	35	90	507	550	18	176	383	650
NLF125-100-400/45	45	140	725	4	835	370	695	1509	110	950	1300	35	90	507	550	18	176	312	577
NLF125-100-400/37	37	140	725	4	810	370	700	1484	110	950	1300	35	90	507	550	18	176	301	565
NLF125-100-400/30	30	140	725	4	765	370	670	1439	110	900	1300	35	90	507	550	18	176	240	483
NLF125-100-400/22	22	140	725	4	725	370	630	1399	110	900	1300	35	90	507	550	18	176	179	422
NLF125-100-200/18.5	18.5	140	655	4	690	340	600	1304	85	830	1200	62.5	90	417	460	18	112	157	329
NLF125-100-200/15	15	140	655	4	660	340	580	1274	85	900	1100	62.5	90	417	460	18	112	129	291
NLF125-100-200/11	11	140	655	4	605	340	580	1219	85	900	1100	62.5	90	417	460	18	112	108	270
NLF125-100-200/7.5	7.5	140	655	4	510	340	553	1124	85	800	1000	62.5	90	417	460	18	112	79	238
NLF125-100-200/5.5	5.5	140	655	4	470	340	553	1084	85	800	1000	62.5	90	417	460	18	112	65	225
NLF125-100-250/37	37	140	695	4	810	340	670	1424	110	900	1300	57.5	90	457	500	18	117	301	502
NLF125-100-250/30	30	140	695	4	765	340	640	1379	85	850	1200	57.5	90	417	460	18	117	240	417

**Model**	**Kw**	**a**	**H**	**c**	**L4**	**H1**	**H2**	**L**	**L1**</th

<b>Model</b>	<b>Kw</b>	<b>a</b>	<b>H</b>	<b>c</b>	<b>L4</b>	<b>H1</b>	<b>H2</b>	<b>L</b>	<b>L1</b>	<b>L2</b>	<b>L3</b>	<b>s</b>	<b>w</b>	<b>B1</b>	<b>B</b>	<b>Od</b>	<b>Pump</b>	<b>Motor</b>	<b>Total</b>
NLF200-150-400/55	55	180	875	4	910	425	790	1624	110	990	1400	55	110	557	600	18	207	383	696
NLF200-150-400/45	45	180	875	4	835	425	750	1549	110	990	1400	55	110	557	600	18	207	312	625
NLF200-150-400/37	37	180	875	4	810	425	755	1524	110	990	1400	55	110	557	600	18	207	301	619
NLF250-200-250/45	45	180	875	4	835	425	750	1574	110	990	1400	75	110	557	600	18	219	312	635
NLF250-200-250/37	37	180	875	4	810	425	755	1549	110	990	1400	75	110	557	600	18	219	301	624
NLF250-200-250/30	30	180	875	4	765	425	725	1504	110	940	1300	75	110	557	600	18	219	240	539
NLF250-200-250/22	22	180	875	4	725	425	685	1464	110	940	1300	75	110	557	600	18	219	179	478
NLF250-200-250/18.5	18.5	180	875	4	690	425	685	1429	110	940	1300	75	110	557	600	18	219	157	457
NLF250-200-315/110	110	180	910	6	1275	430	940	2131	110	1300	1750	50	115	657	700	18	286	836	1263
NLF250-200-315/90	90	180	910	6	1030	430	810	1886	130	1210	1650	50	115	657	700	18	286	587	100
NLF250-200-315/75	75	180	910	6	980	430	810	1836	130	1210	1650	50	115	657	700	18	286	544	962
NLF250-200-315/55	55	180	905	4	910	425	790	1764	130	1170	1600	50	110	607	650	18	286	383	784
NLF250-200-315/45	45	180	905	4	835	425	750	1689	130	1070	1500	50	110	607	650	18	286	312	709
NLF250-200-315/37	37	180	905	4	810	425	755	1664	130	1070	1500	50	110	607	650	18	286	301	698
NLF250-200-315/30	30	180	905	4	765	425	725	1619	130	1070	1500	50	110	607	650	18	286	240	614
NLF250-200-400/200	200	180	930	6	1320	450	965	2176	130	1330	1850	50	115	657	700	18	328	1102	1576
NLF250-200-400/160	160	180	930	6	1320	450	965	2176	130	1330	1850	50	115	657	700	18	328	1020	1494
NLF250-200-400/132	132	180	930	6	1320	450	965	2176	110	1300	1750	35	115	657	700	18	328	979	1449
NLF250-200-400/110	110	180	930	6	1275	450	960	2131	110	1300	1750	35	115	657	700	18	328	836	1306
NLF250-200-400/90	90	180	930	6	1030	450	830	1886	130	1210	1650	35	115	657	700	18	328	587	1047
NLF250-200-400/75	75	180	930	6	980	450	830	1836	130	1210	1650	35	115	657	700	18	328	544	1004
NLF250-200-400/55	55	180	925	4	910	445	810	1764	130	1170	1600	50	110	607	650	18	328	383	827
NLF300-250-315/160	160	220	990	6	1320	470	985	2237	110	1300	1850	90	115	657	700	18	366	1020	1535
NLF300-250-315/132	132	220	990	6	1320	470	985	2237	110	1300	1850	90	115	657	700	18	366	979	1491
NLF300-250-315/110	110	220	990	6	1275	470	980	2192	110	1300	1850	90	115	657	700	18	366	836	1348
NLF300-250-315/90	90	220	990	6	1030	470	850	1947	130	1250	1650	90	115	657	700	18	366	587	1089
NLF300-250-315/75	75	220	990	6	980	470	850	1897	130	1250	1650	90	115	657	700	18	366	544	1046
NLF300-250-315/55	55	220	985	6	910	465	830	1827	130	1200	1650	90	110	657	700	18	366	383	871
NLF300-250-315/45	45	220	985	6	835	465	790	1752	130	1170	1500	90	110	657	700	18	366	312	795
NLF300-250-315/37	37	220	985	6	810	465	795	1727	130	1170	1500	90	110	657	700	18	366	301	783
NLF300-250-400/200	200	220	1075	6	1320	515	1030	2228	130	1350	1850	90	115	657	700	18	396	1102	1649
NLF300-250-400/160	160	220	1075	6	1320	515	1030	2228	130	1350	1850	90	115	657	700	18	396	1020	1567
NLF300-250-400/132	132	220	1075	6	1320	515	1030	2228	110	1300	1850	90	115	657	700	18	396	979	1524
NLF300-250-400/110	110	220	1075	6	1275	515	1025	2183	110	1300	1850	90	115	657	700	18	396	836	1381
NLF300-250-400/90	90	220	1075	6	1030	515	895	1938	130	1250	1650	90	115	657	700	18	396	587	1121
NLF300-250-400/75	75	220	1075	6	980	515	895	1888	130	1250	1650	90	115	657	700	18	396	544	1078

# Notes



202244-CTL-NLFNF60HZ-EN  
subject to amendments

# BE PUMPING PARTNERS

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