

novax

PUMPS & MOTORS



STAINLESS STEEL CENTRIFUGAL PUMPS
SELF PRIMING PUMPS

ALSO AVAILABLE



Introduction

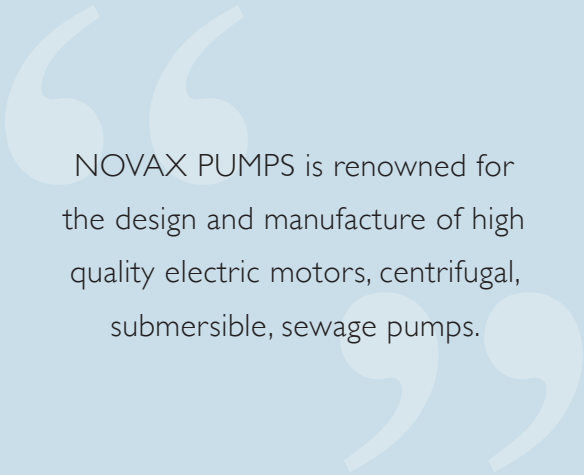
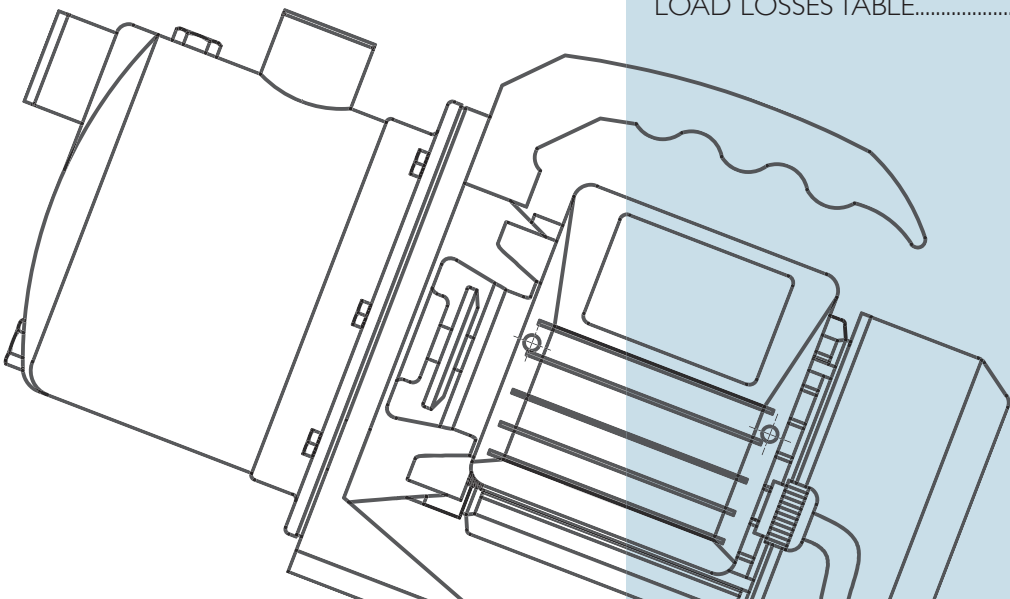
Our goal as a company is to remain at the forefront of technology with a philosophy of integrating four essential concepts as cornerstones in the development of our products: quality, innovation, energy saving and cutting-edge pumping solutions that blend to elevate the quality of modern society and life. We are committed to creating technology that works in harmony with nature while constantly improving man’s relationship with the environment. Our production processes are carefully structured to optimize energy, quality and reliability of our products. We work each and every day on innovation, believing firmly our technology and products must go hand-in-hand with full, total respect of society and life.

Quality

It is the keyword to every aspect of our operations and aspirations. We define this word as the ability to create products that earn the loyalty of our customers. This is precisely why we believe that Quality is essential in every aspect of our day-to-day operations including: the competence and skill of our employees, the use of superior materials and production processes and the continuous development of new solutions aimed at achieving even higher standards.

Customer Satisfaction

NOVAX is committed to satisfying our customers within the global market. Our objective is an important objective we pursue every day, beginning with our production and customer service philosophy. We only allow products driven by excellence to leave our factories, the results of cutting edge technology and our expertise. We continue to pursue the development of superior products committed to sustainable social and economic development.



NOVAX PUMPS is renowned for the design and manufacture of high quality electric motors, centrifugal, submersible, sewage pumps.

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APPLICATION

The pumps are suitable for transporting clean media which are non-aggressive to stainless steel SUS304 or SUS316

- Water supplying systems
- Pressure boiler feeding
- Pure water treating systems
- Pharmaceutical, food and
- refining chemical industries
- Washing and sprinkling

PERFORMANCE LIMITS

- Max. Working pressure: 10bar
- Mechanical seal working temperature:
 1. With NBR/ceramic/carbon: 80°C
 2. With Viton/ceramic/carbon: -200°C~+110°C
 3. With silicone rubber/ceramic/stainless steel: -20°C~+110°C

- ZX - CASING, IMPELLER, SHAFT IN SS 304
- ZXL - CASING, IMPELLER, SHAFT IN SS 316
- ZX (S) - STUB SHAFT MONOBLOC WITH STANDARD MOTOR AND FLEXIBLE COUPLING
- AVAILABLE IN 4 POLE, BARE SHAFT MODELS AS OPTIONAL

TECHNICAL DATA

- Asynchronous 2 and 4 pole motor
- Insulation class F
- Protection Degree IP 55
- Thermal protection by user

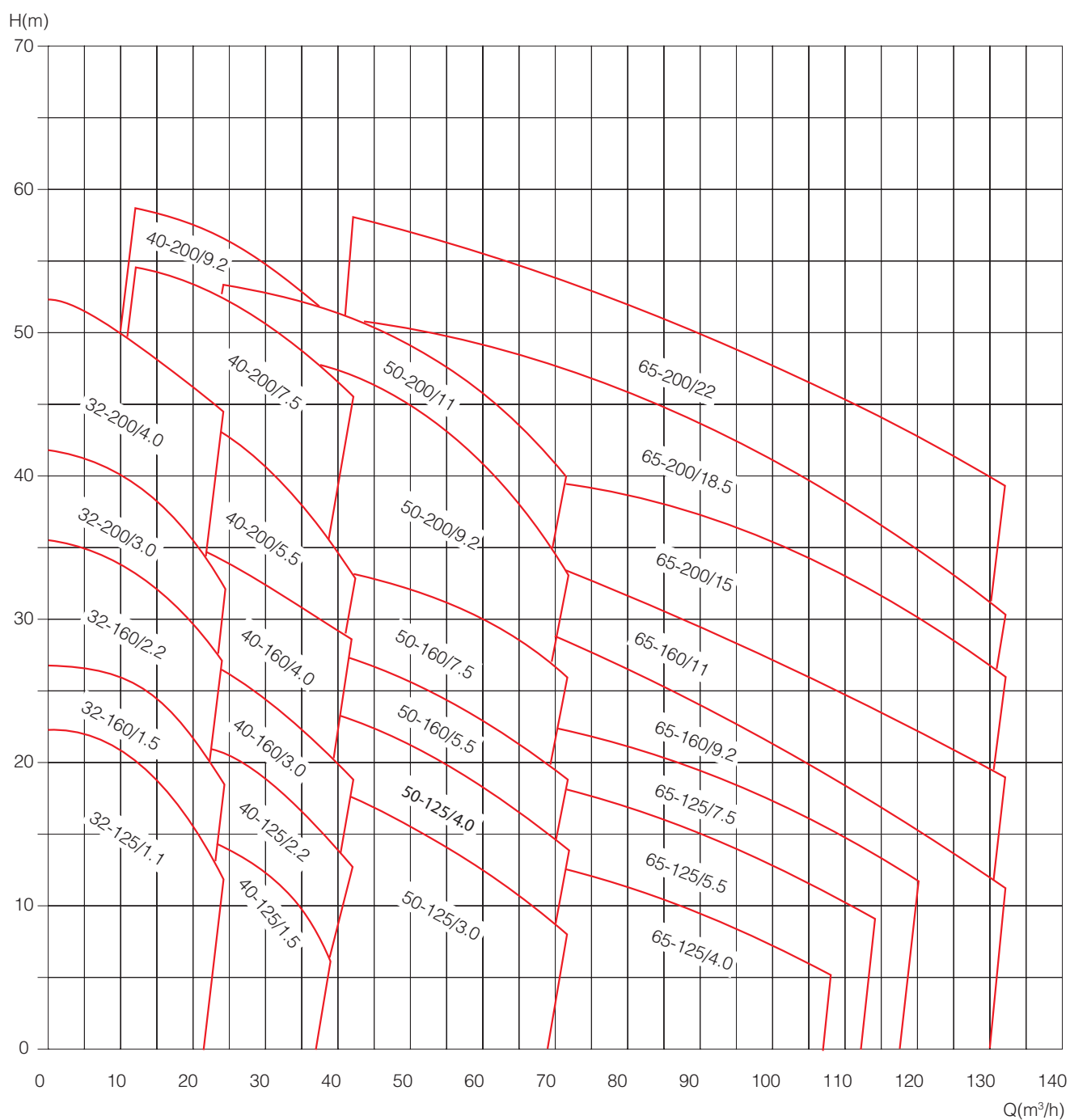
MACRO ZX / ZXL / ZX (S)

THE PUMPS CONFORM TO
GB5662/DIN24255 STANDARD
AISI 304 & AISI 316L STAINLESS STEEL





FAMILY CURVES OF ZX / ZXL / ZX (S)



Model (DINEN733)	(A)	Power		Capacity															
		kW	HP	l/min	0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200
				m³/h	0	6.0	9.0	12	18	20	22	24	27	30	36	42	48	60	72
				Head (m)															
ZX 32-125/1.1	2.5	1.1	1.5		24	21.5	20.5	19.5	16	13									
ZX 32-160/1.5	3.29	1.5	2.0		29.5	27	26	25	21	18									
ZX 32-160/2.2	4.58	2.2	3.0		37	33.5	32.5	32	28.5	27									
ZX 32-200/3.0	5.83	3.0	4.0		45	41	40	38	34	32									
ZX 32-200/4.0	7.9	4.0	5.5		55	51	50	49	46	45	43								
ZX 40-125/1.5	3.5	1.5	2.0		20			19	18	17	16.5	15	14	12.5	10	7			
ZX 40-125/2.2	4.58	2.2	3.0		26			23.5	22.5	22	21.5	21	20.5	19.5	16.5	13			
ZX 40-160/3.0	5.83	3.0	4.0		31			29	27.5	27	26.5	25.5	25	24	22	19			
ZX 40-160/4.0	7.9	4.0	5.5		39			35.5	34.5	34	33.5	32.5	32	31	29	26			
ZX 40-200/5.5	10.8	5.5	7.5		47			43	42.5	42	41.5	41	40.5	39	37	33			
ZX 40-200/7.5	14.9	7.5	10.0		57			53	52.5	52	51	50	49	48	46.5	44.5			
ZX 50-125/3.0	5.83	3.0	4.0		22.5							20	19.5	19	18.5	17.5	16	13	9
ZX 50-125/4.0	7.9	4.0	5.5		25.5							23	22.5	22	21.5	20.5	20	17	13.5
ZX 50-160/5.5	10.8	5.5	7.5		33							29.5	29	28.5	28	27	26	24	20
ZX 50-160/7.5	14.9	7.5	10.0		39							36	35	34.5	34	33.5	32.5	29	24
ZX 50-200/9.2	18.8	9.2	12.5		53									47	46.5	45	43.5	39	32
ZX 50-200/11	21.1	11.0	15.0		57.5									52	51	50.5	50	47	41

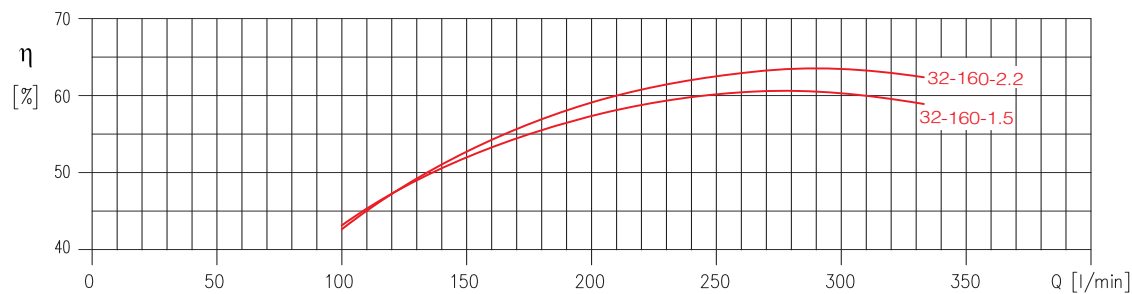
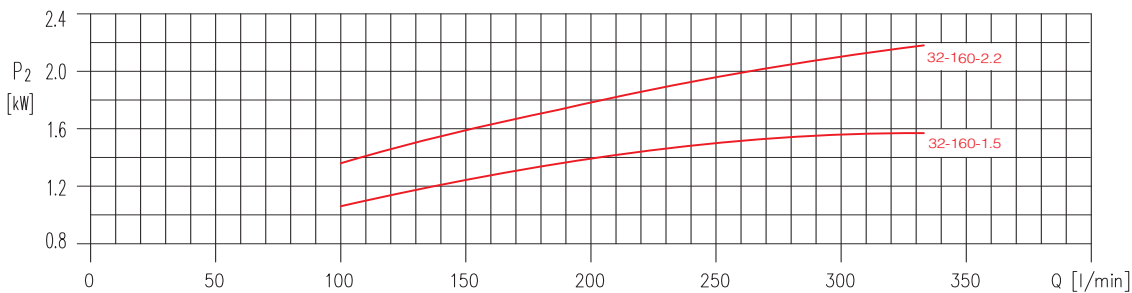
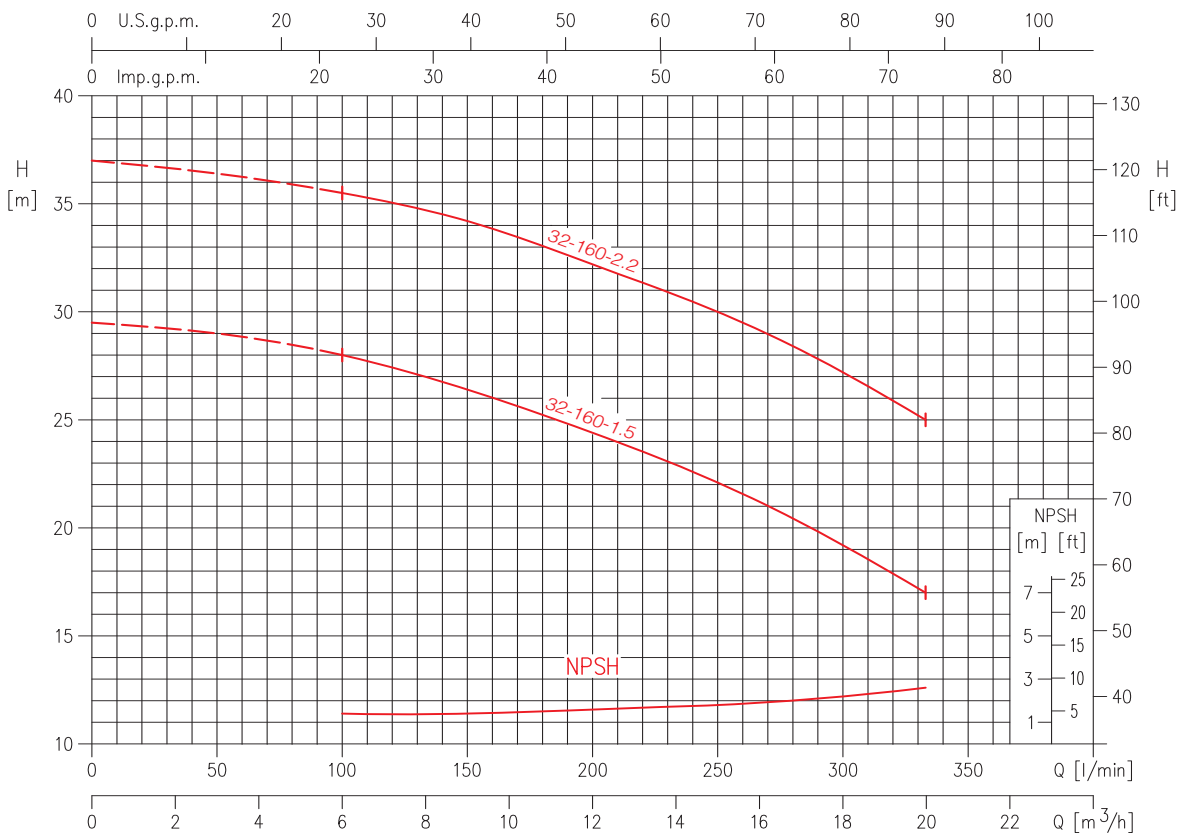
MODEL	CURRENT	power		Capacity													
		l/min	600	650	700	800	1000	1200	1500	1800	1900	2000	2100	2200			
Three phase 380V / 50Hz	(A)	kW	HP	m³/h	36	39	42	48	60	72	90	108	114	120	126	132	
				Head (m)													
ZX 65-124/4	7.9	4.0	5.5		17.5	17.3	17	16	14	11.5	8	4.5					
ZX 65-125/5.5	10.8	5.5	7.5		22	21.8	21.5	20.5	18.5	16	12.5	8.5	7				
ZX 65-125/7.5	14.9	7.5	10		27.5	27	26.5	26	24	21.5	18	14	12	10.5			
ZX 65-60/9.2	18.8	9.2	12.5				31	30	28	26	23	18	16	14.5	13		
ZX 65-160/11	21.1	11	15				36	35	33	31	28	23	21	19.5	18	16.5	
ZX 65-200/15	28.9	15	20				44	43	41	39	36	32	30	28	26	23	
ZX 65-200/18.5	34.6	18.5	25				51	50	49	48	45	41	39	37	35	33	
ZX 65-200/22	40.2	22	30				57	56	55	54	51	47	45.5	44	42	40	



PERFORMANCE TABLE AND NPSH OF ZX / ZXL / ZX (S)

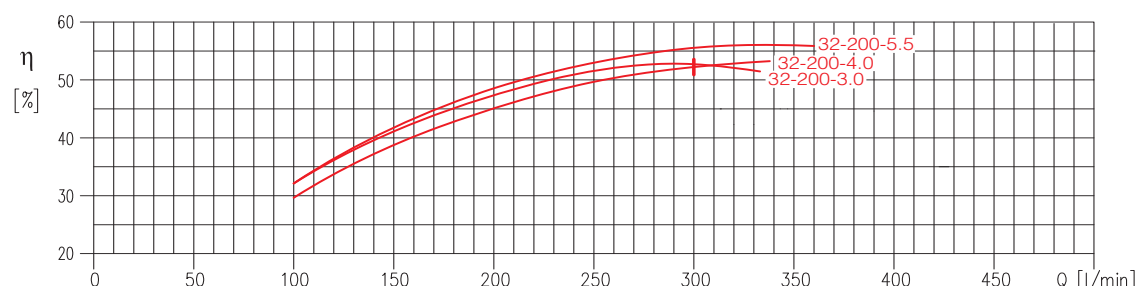
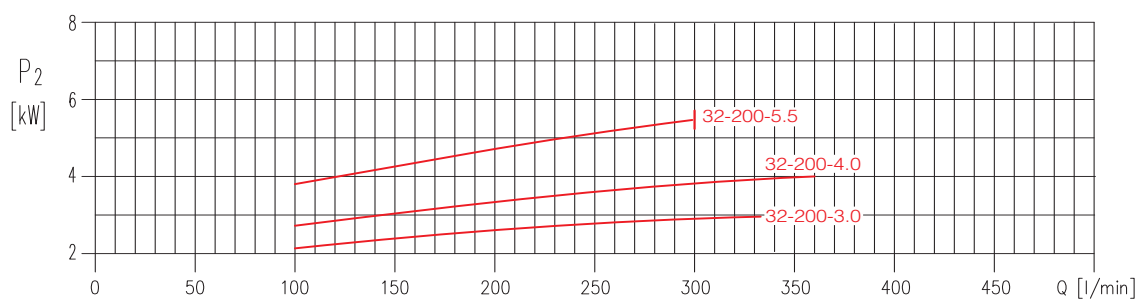
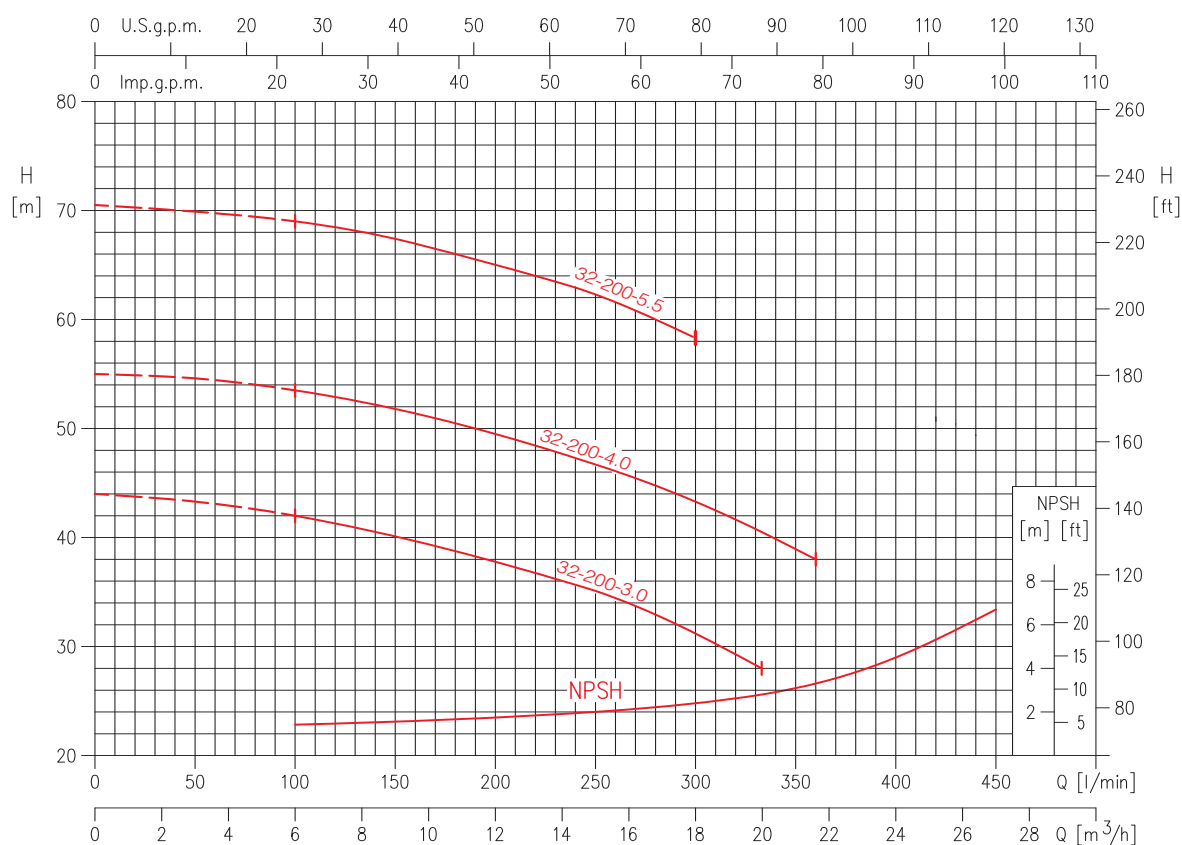
Model (DINEN733)	capacity m ³ /h	head m	Rotational Speed r/min	Pump efficiency %	Equipped motor power		Vapour loss NPSH(m)
					kW	HP	
ZX 32 - 125/1.1	12.5	20	2900	56	2.2	3.0	2.0
ZX 32 - 160/1.5	10	25		53	2.2	3.0	2.0
ZX 32 - 160/2.2	12.5	32		55	3.0	4.0	2.0
ZX 32 - 200/3.0	10	40		46	4.0	5.5	2.0
ZX 32 - 200/4.0	12.5	50		48	5.5	7.5	2.0
ZX 40 - 125/1.5	20	15		66	2.2	3.0	2.0
ZX 40 - 125/2.2	25	20		71	3.0	4.0	2.0
ZX 40 - 160/3.0	20	27		64	4.0	5.5	2.0
ZX 40 - 160/4.0	25	32		66	5.5	7.5	2.0
ZX 40 - 200/5.5	20	42		58	7.5	10	2.0
ZX 40 - 200/7.5	25	50		63	9.2	12.5	2.0
ZX 50 - 125/3.0	40	18		76	4.0	5.5	2.5
ZX 50 - 125/4.0	50	20		72	5.5	7.5	2.5
ZX 50 - 160/5.5	40	28		70	7.5	10	2.5
ZX 50 - 160/7.5	50	32		74	9.2	12.5	2.5
ZX 50 - 200/9.2	40	47		69	11	15	2.5
ZX 50 - 200/11	50	50		72	15	20	2.5
ZX 65 - 125/4.0	75	11		72	4.0	5.5	3.5
ZX 65 - 125/5.5	75	15		74	5.5	7.5	3.5
ZX 65 - 125/7.5	75	21		74	7.5	10	3.5
ZX 65 - 160/9.2	100	21		74	9.2	12.5	4.0
ZX 65 - 160/11	100	26		74	11	15	4.0
ZX 65 - 200/15	100	34		75	15	20	4.0
ZX 65 - 200/18.5	100	43		75	18.5	25	4.0
ZX 65 - 200/22	100	50		75	22	30	4.0

PERFORMANCE CURVE FOR ZX / ZXL / ZX (S) 32 SERIES

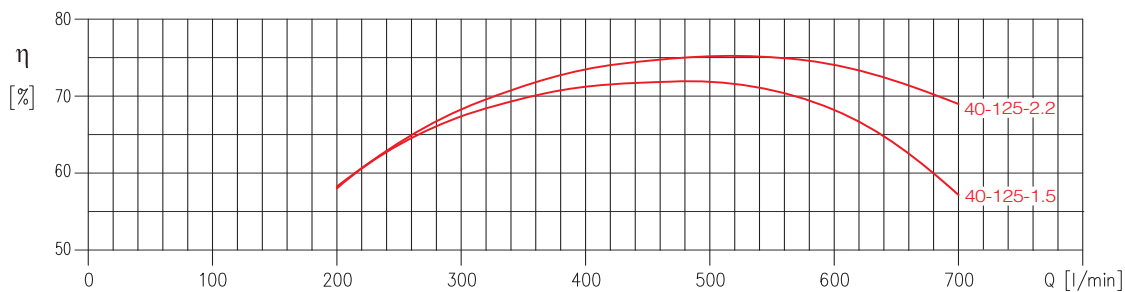
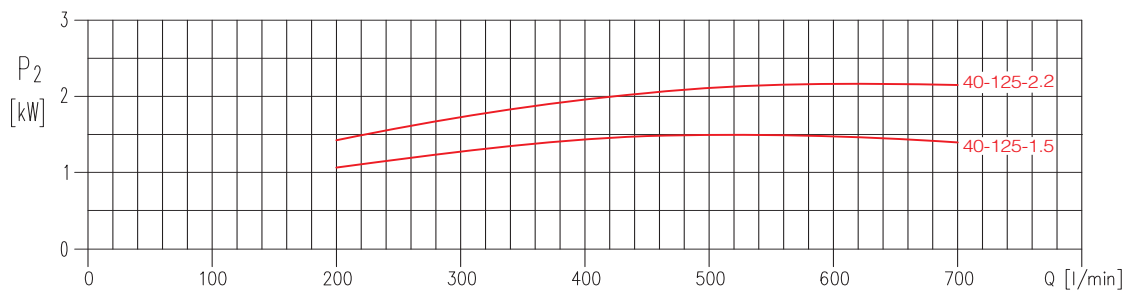
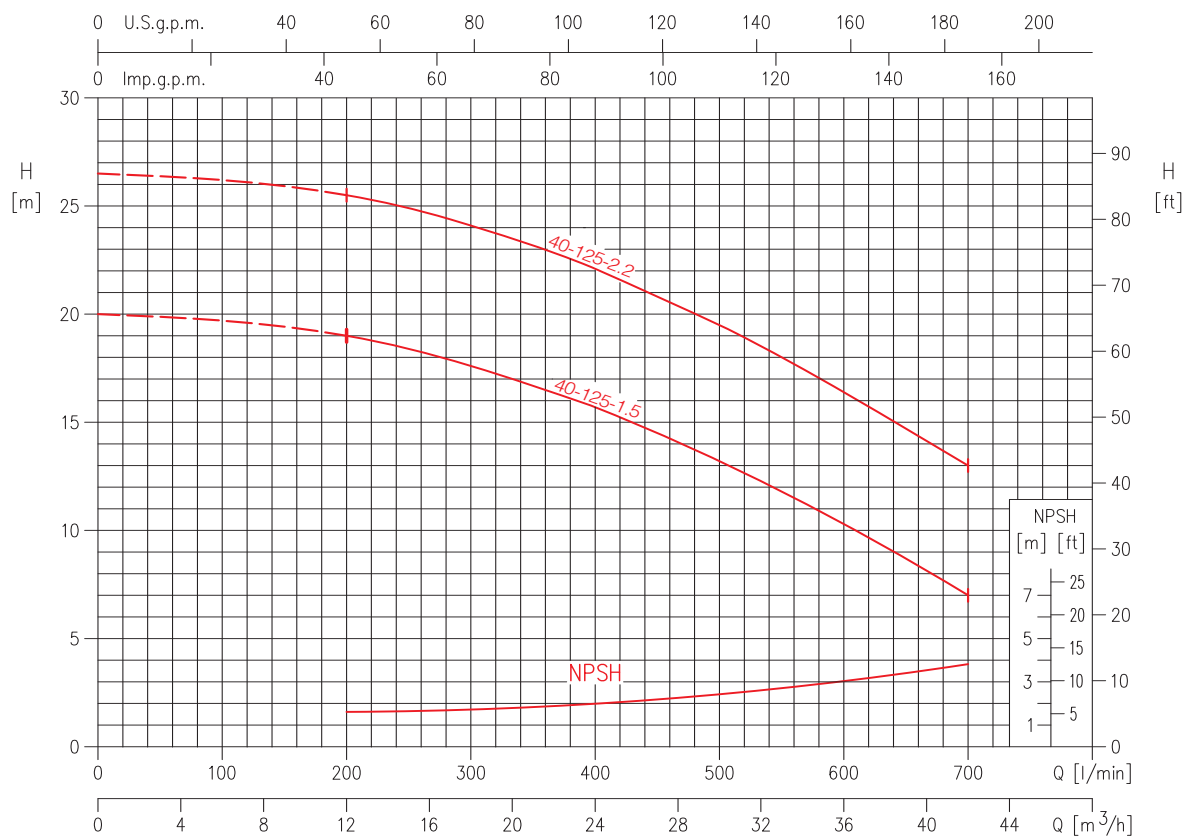




PERFORMANCE CURVE FOR ZX / ZXL / ZX (S) 32 SERIES

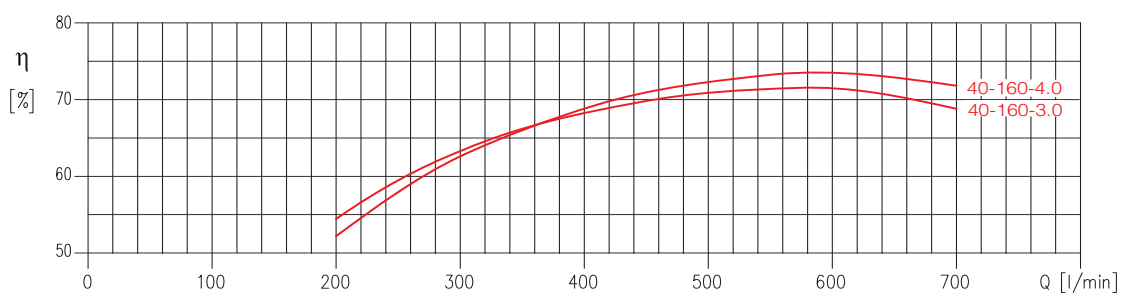
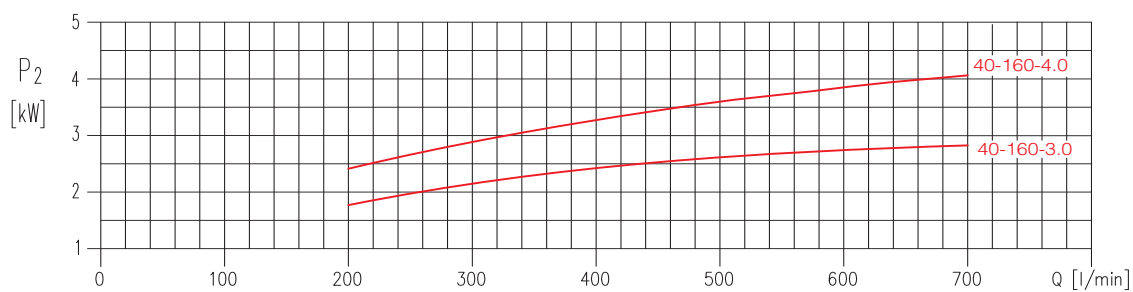
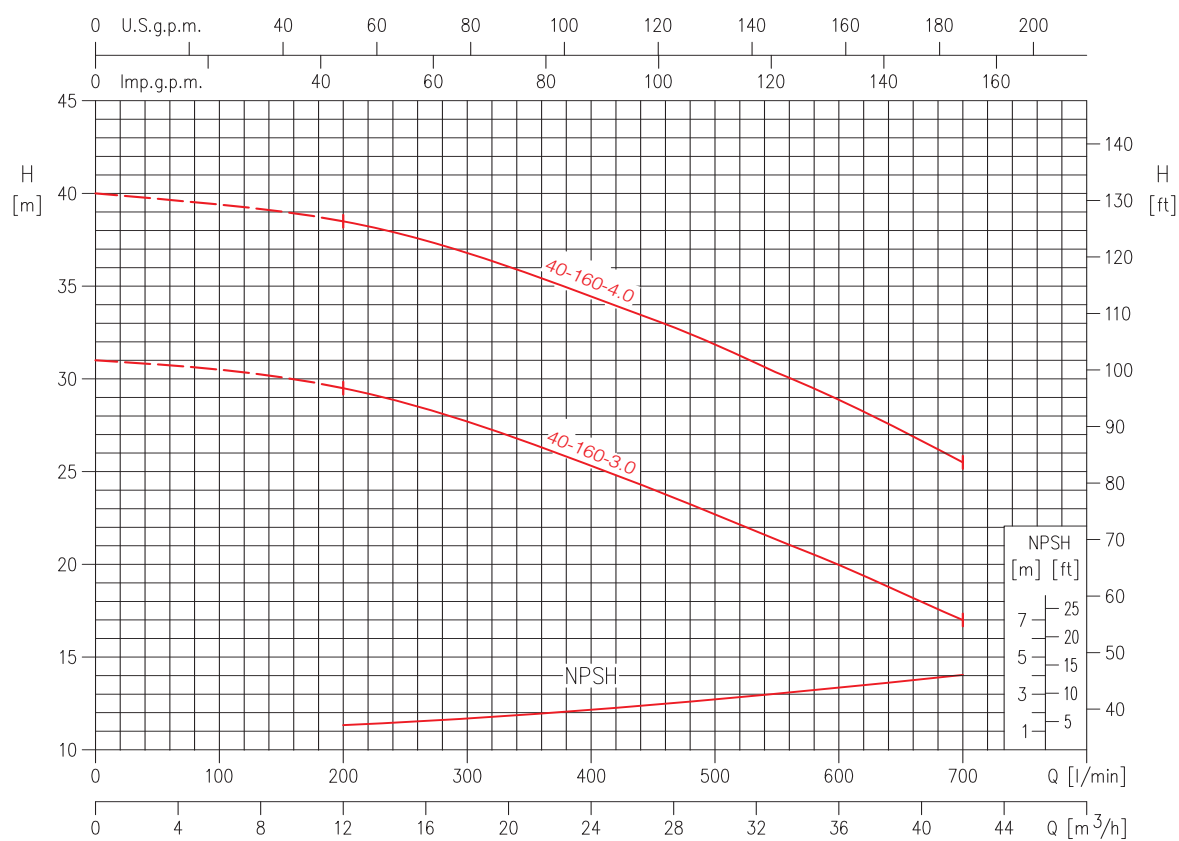


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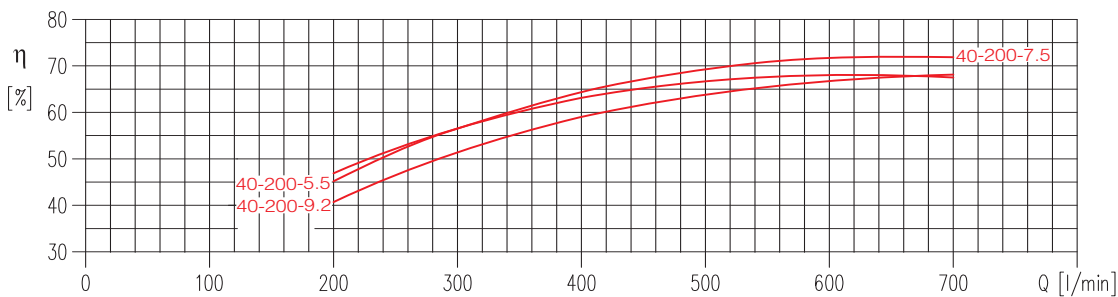
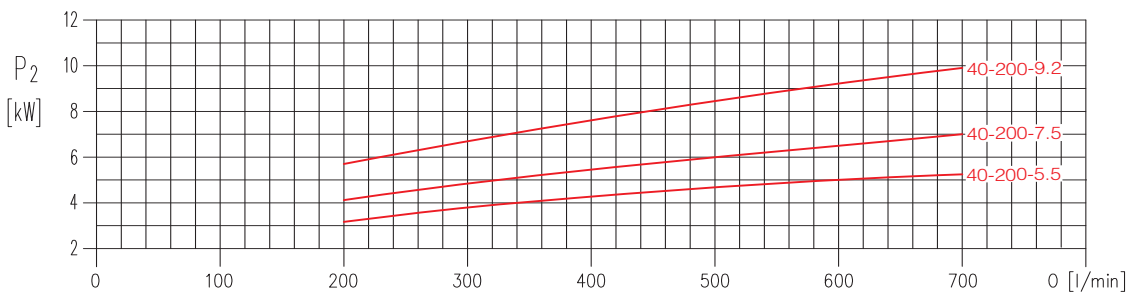
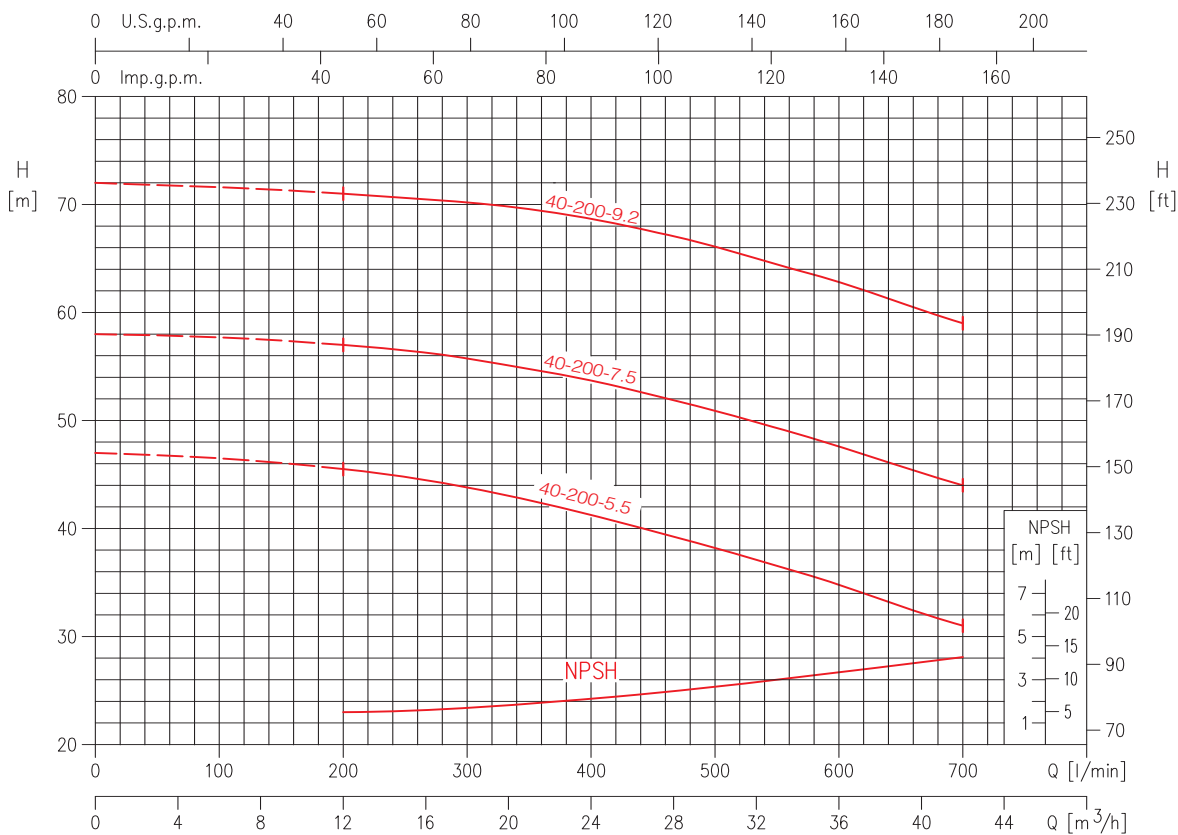




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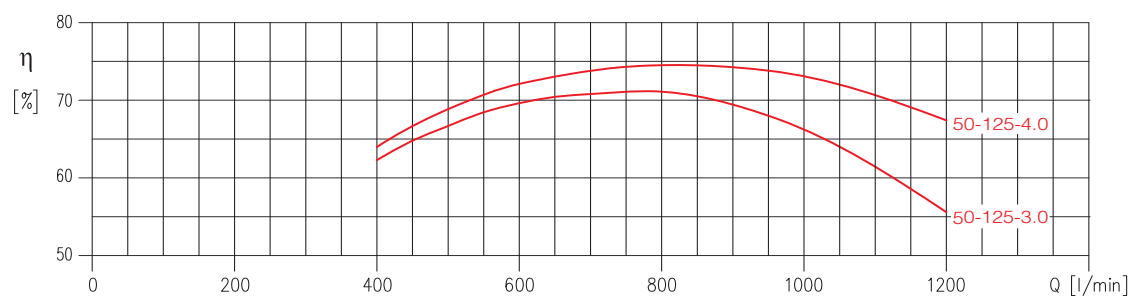
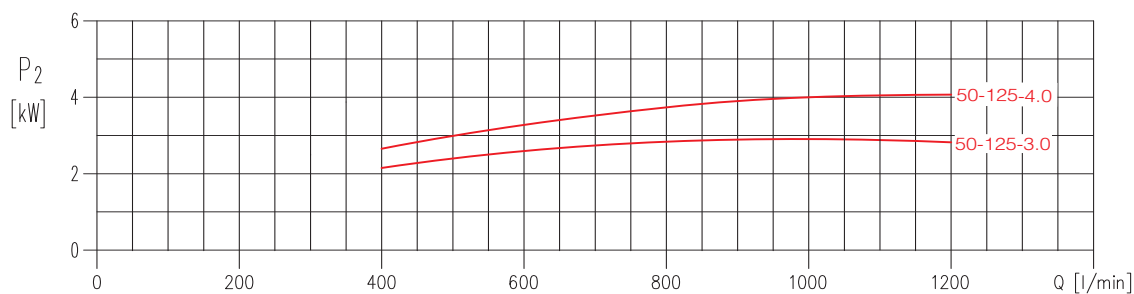
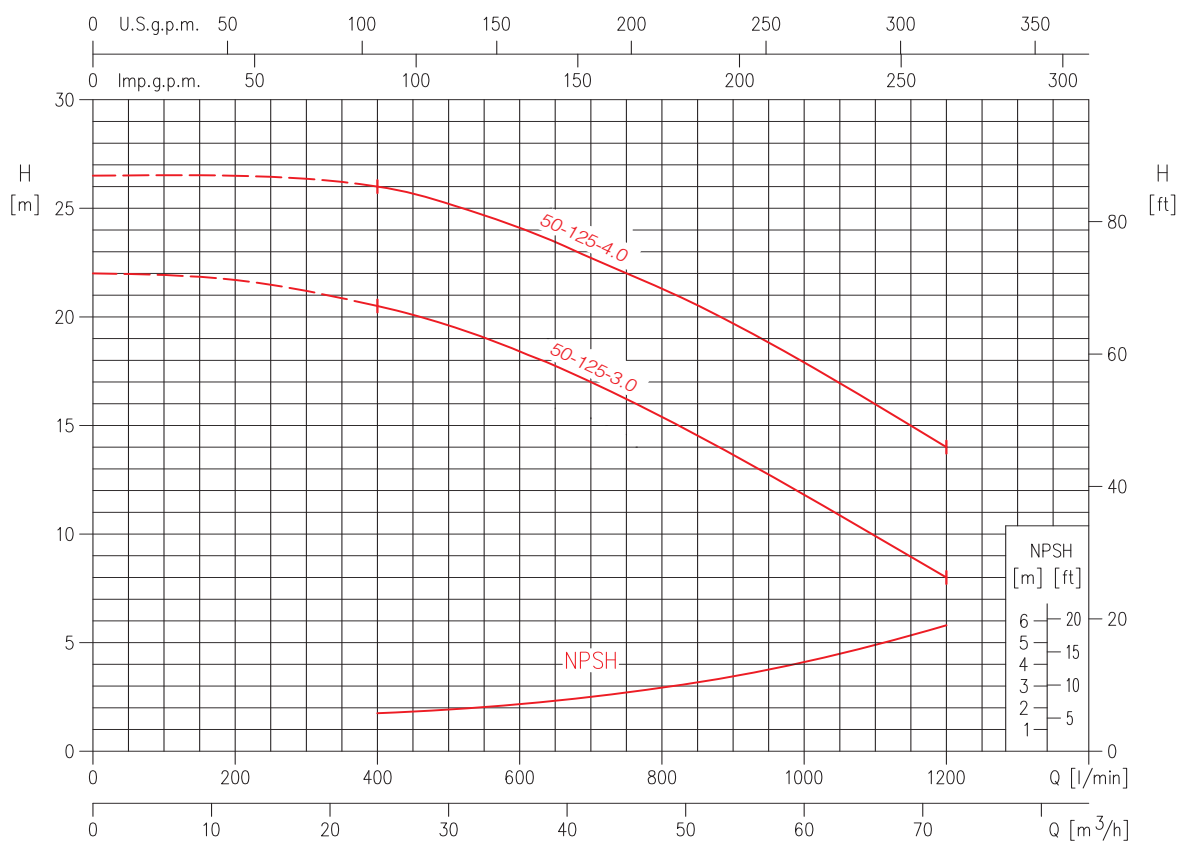


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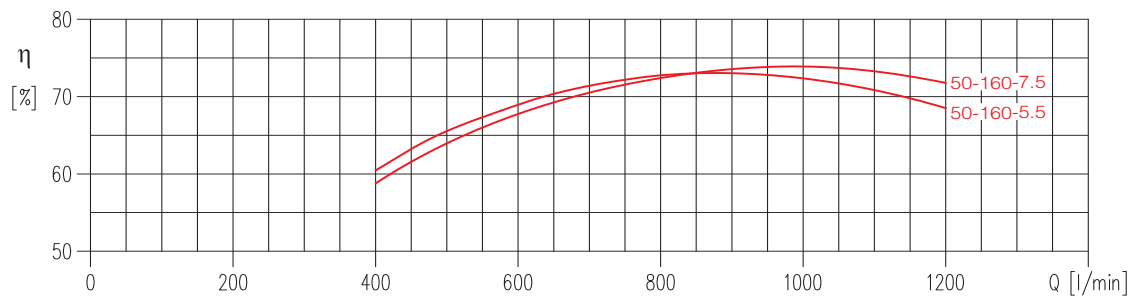
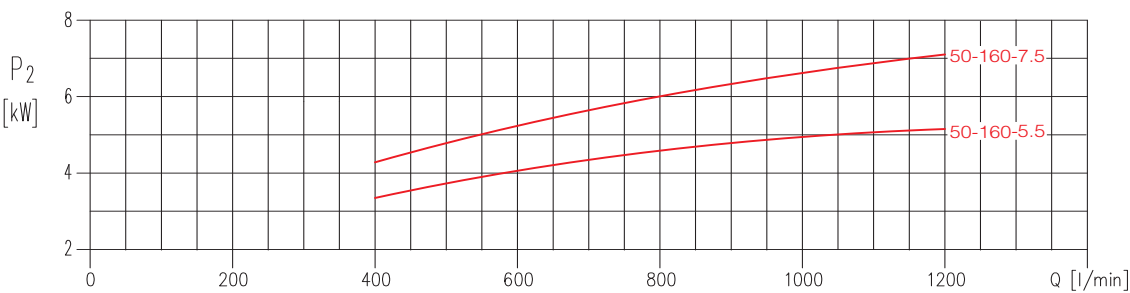
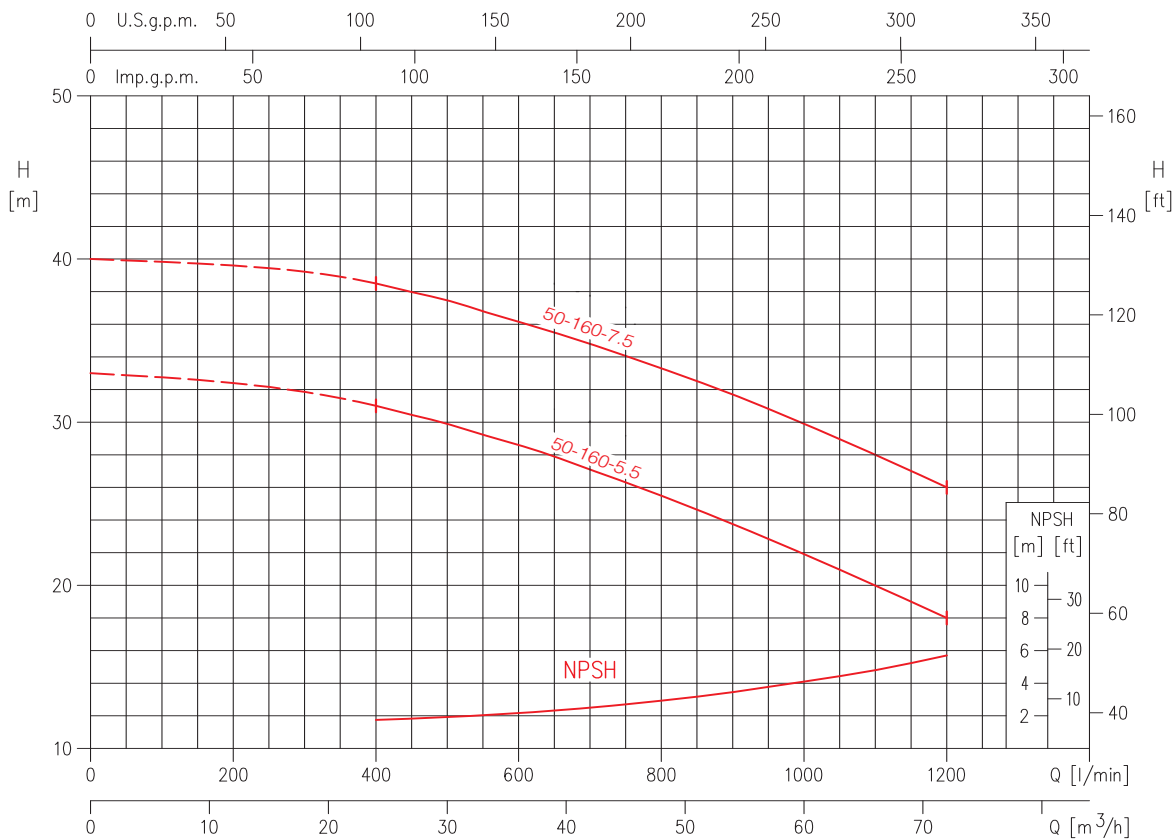




PERFORMANCE CURVE FOR ZX / ZXL / ZX (S) 50 SERIES

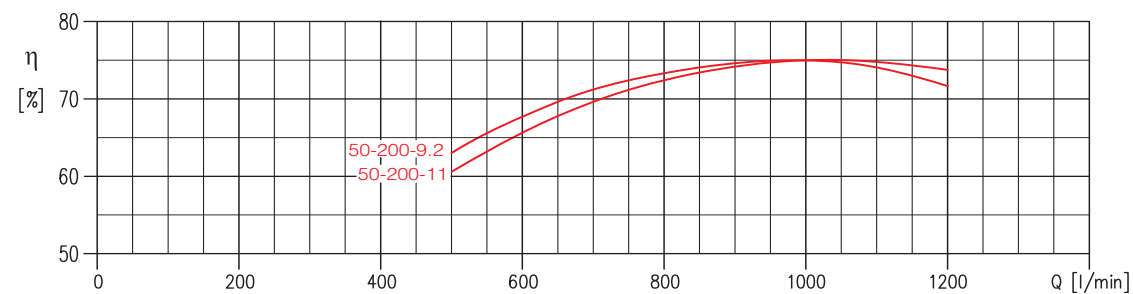
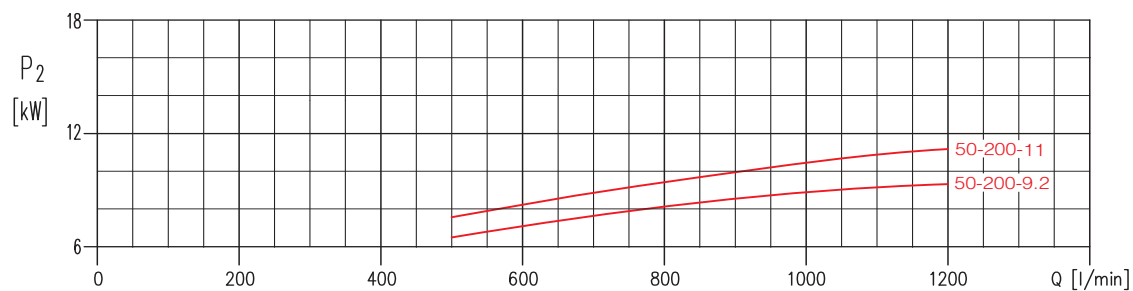
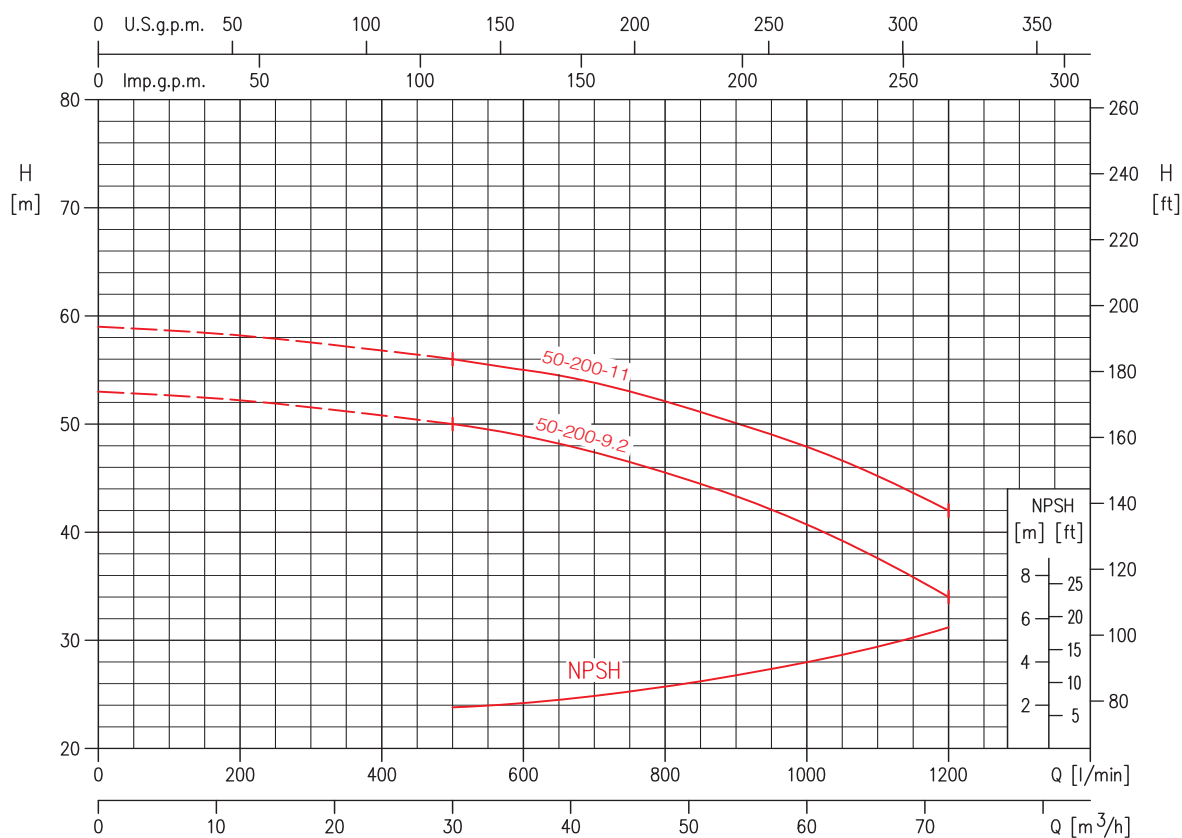


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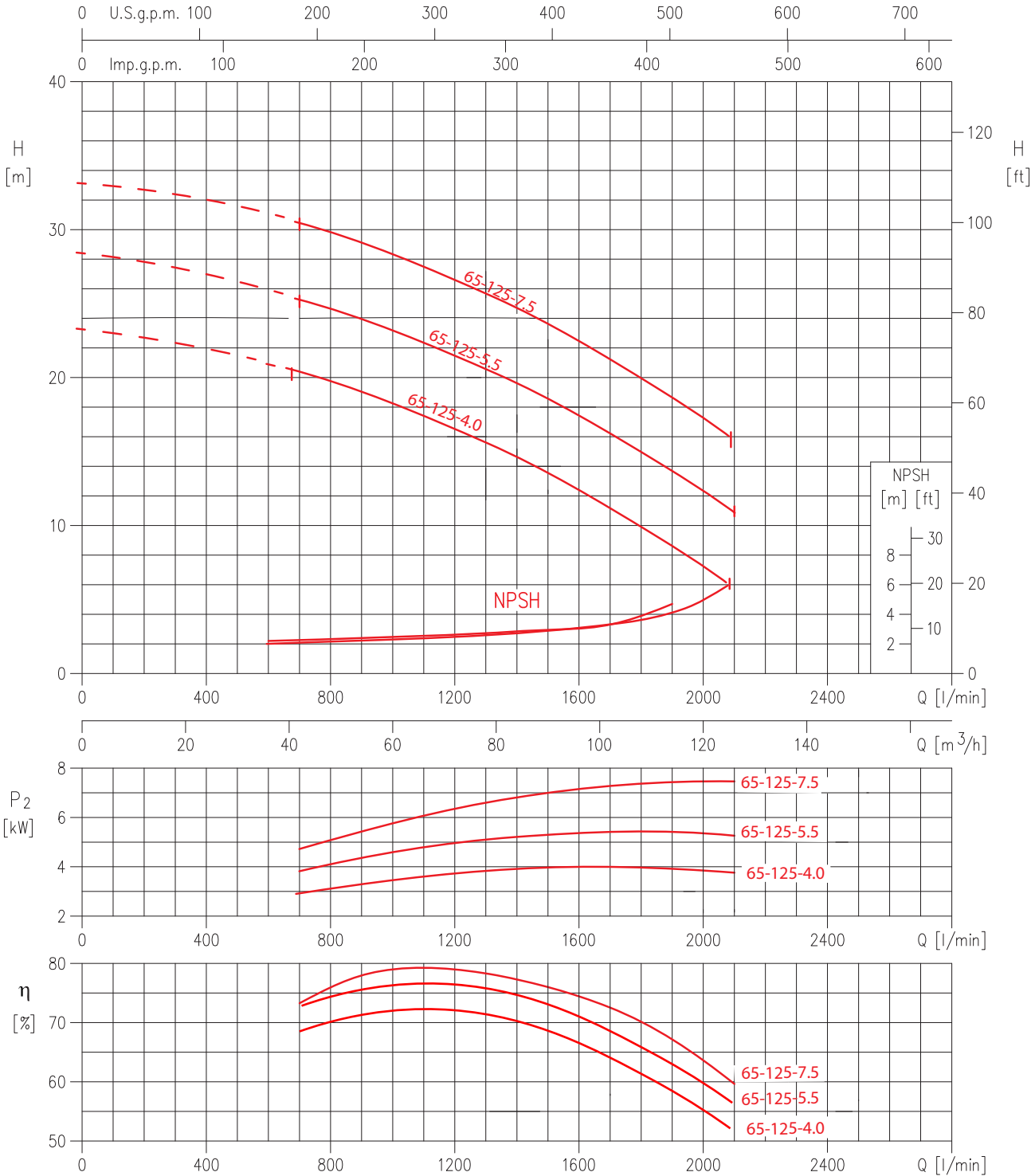




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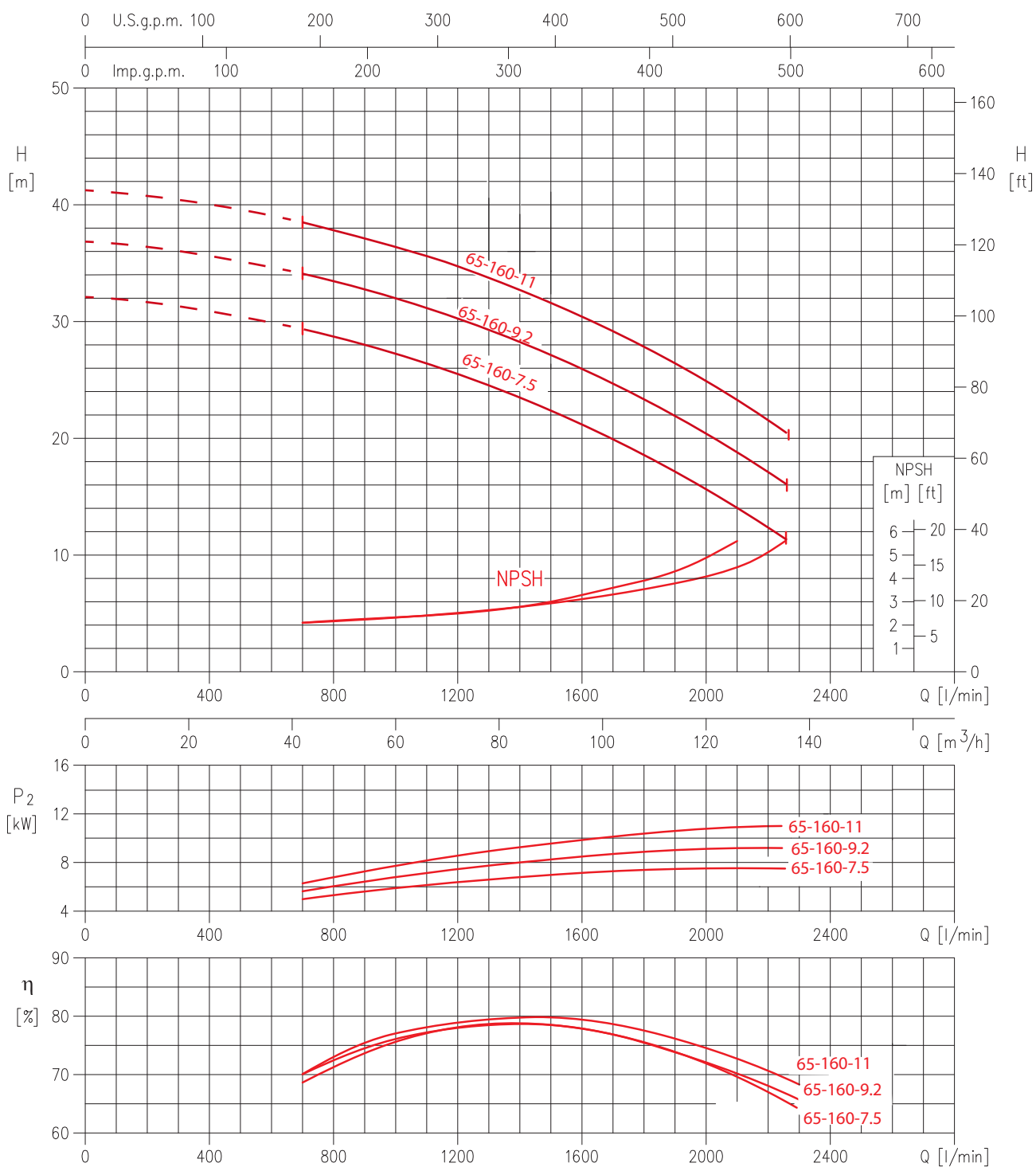


PERFORMANCE CURVE FOR ZX / ZXL / ZX (S) 65 SERIES

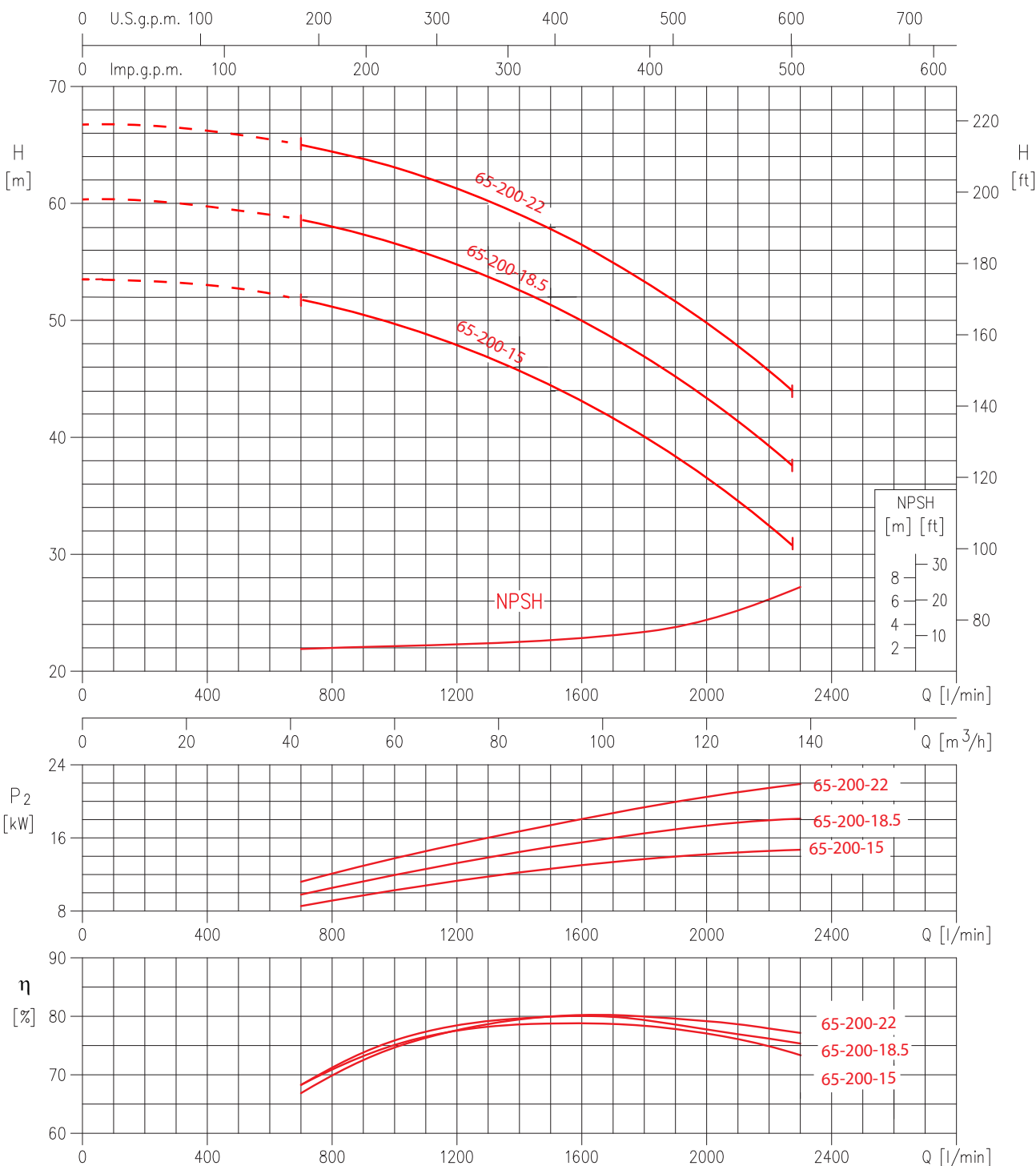




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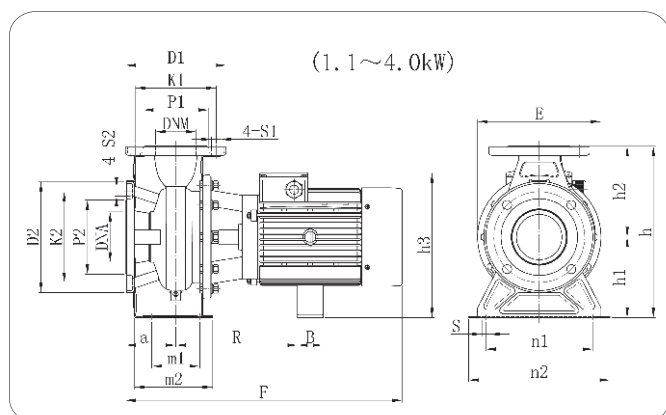


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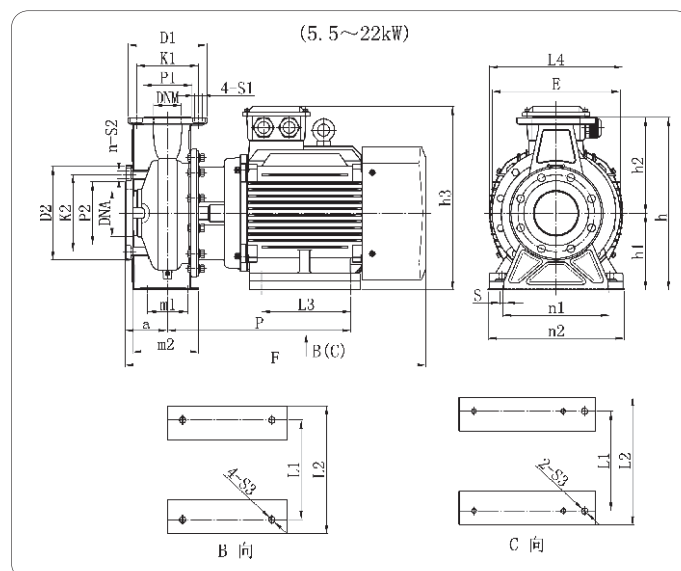




DIMENSION TABLE OF ZX / ZXL



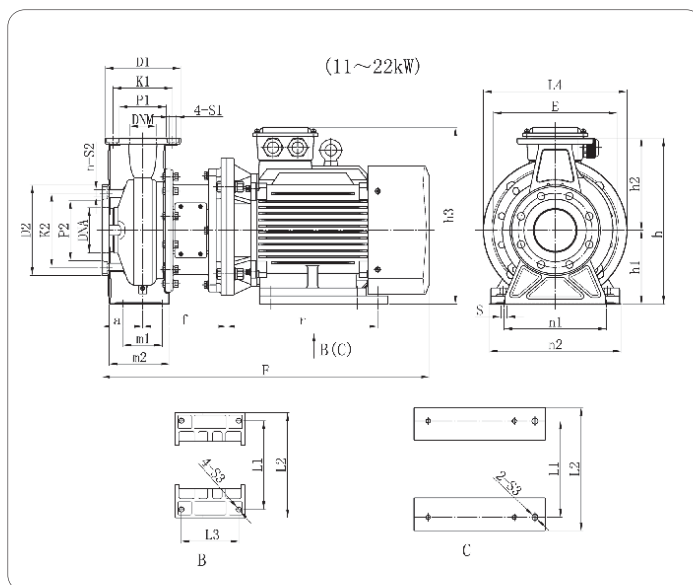
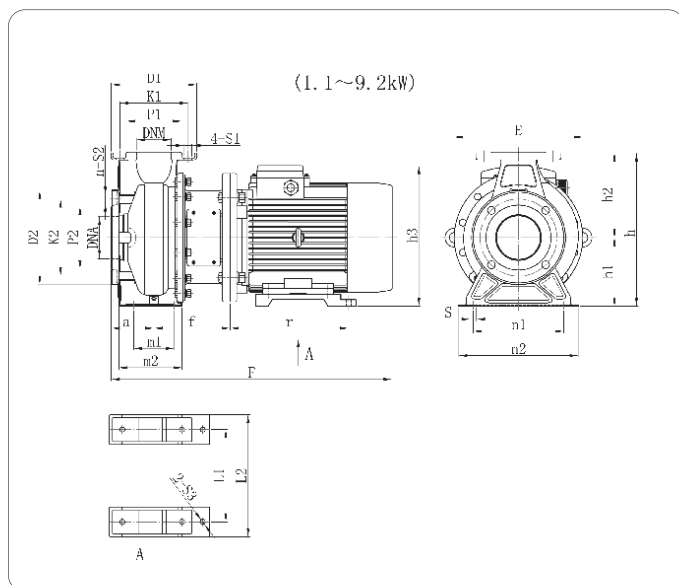
All of the flanges are PN25 with convex.



Model	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	B	R	P	L1	L2	L3	L4	S3	n	D2	K2	P2	S2	D1	K1	P1	S1	DN	DNM
ZX 32-125/1.1	209	478	252	112	140	222	80	70	122	140	190	15	43	210	\	\	\	\	\	\	4	165	125	99	18	140	100	76	18	50	32
ZX 32-160/1.5	244	493	292	132	160	253	80	70	123	190	240	15	43	225	\	\	\	\	\	\	4	165	125	99	18	140	100	76	18	50	32
ZX 32-160/2.2	244	493	292	132	160	253	80	70	123	190	240	15	43	225	\	\	\	\	\	\	4	165	125	99	18	140	100	76	18	50	32
ZX 32-200/3.0	295	518	340	160	180	288	80	70	124	190	240	15	50	231	\	\	\	\	\	\	4	165	125	99	18	140	100	76	18	50	32
ZX 32-200/4.0	295	518	340	160	180	288	80	70	124	190	240	15	50	231	\	\	\	\	\	\	4	165	125	99	18	140	100	76	18	50	32
ZX 40-125/1.5	209	478	252	112	140	233	80	70	121	160	210	15	43	210	\	\	\	\	\	\	4	185	145	118	18	165	125	99	18	65	50
ZX 40-125/2.2	209	478	252	112	140	233	80	70	121	160	210	15	43	210	\	\	\	\	\	\	4	185	145	118	18	165	125	99	18	65	50
ZX 40-160/3.0	244	518	292	132	160	260	80	70	123	190	240	15	50	231	\	\	\	\	\	\	4	185	145	118	18	165	125	99	18	65	50
ZX 40-160/4.0	244	518	292	132	160	260	80	70	123	190	240	15	50	231	\	\	\	\	\	\	4	185	145	118	18	165	125	99	18	65	50
ZX 40-200/5.5	295	595	340	160	180	329	100	70	146	212	265	15	\	\	342	216	248	140	344	12	4	185	145	118	18	150	110	84	18	65	40
ZX 40-200/7.5	295	595	340	160	180	329	100	70	146	212	265	15	\	\	342	216	248	140	344	12	4	185	145	118	18	150	110	84	18	65	40
ZX 65-125/3.0	244	547	292	132	160	260	100	70	148	190	240	15	50	241	\	\	\	\	\	\	4	200	160	132	18	185	145	118	18	80	65
ZX 65-125/4.0	244	547	292	132	160	260	100	70	148	190	240	15	50	241	\	\	\	\	\	\	4	200	160	132	18	185	145	118	18	80	65
ZX 65-160/5.5	244	605	340	160	180	329	100	70	150	212	265	15	\	\	352	216	248	140	344	12	4	200	160	132	18	185	145	118	18	80	65
ZX 65-160/7.5	244	605	340	160	180	329	100	70	150	212	265	15	\	\	352	216	248	140	344	12	4	200	160	132	18	185	145	118	18	80	65
ZX 50-200/9.2	295	605	360	160	200	329	100	70	146	212	265	15	\	\	349	216	248	140	344	12	4	200	160	132	18	165	125	99	18	80	50
ZX 50-200/11	295	690	360	160	200	412	100	70	146	212	265	15	\	\	426	254	314	210	314	15	4	200	160	132	18	165	125	99	18	80	50

Model	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	B	R	P	L1	L2	L3	L4	S3	D2	K2	P2	S2	n	D1	K1	P1	S1	DNA	DNM
ZX 65-125/4.0	245	548	340	160	180	310	100	95	155	212	280	15	50	244	\	\	\	\	\	\	220	180	152	18	8	200	160	132	18	100	80
ZX 65-125/5.5	245	604	340	160	180	327	100	95	155	212	280	15	\	\	354	216	248	140	344	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-125/7.5	245	604	340	160	180	327	100	95	155	212	280	15	\	\	354	216	248	140	344	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-160/9.2	301	606	360	160	200	327	100	95	155	212	280	15	\	\	356	216	248	140	344	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-160/11	301	688	360	160	200	412	100	95	155	212	280	15	\	\	433	254	314	210	314	15	220	180	152	18	8	200	160	132	18	100	80
ZX 65-200/15	301	688	405	180	225	432	100	95	155	250	320	15	\	\	483	254	314	\	314	15	220	180	152	18	8	185	145	118	18	100	65
ZX 65-200/18.5	301	732	405	180	225	432	100	95	155	250	320	15	\	\	527	254	314	\	314	15	220	180	152	18	8	185	145	118	18	100	65
ZX 65-200/22	301	732	405	180	225	432	100	95	155	250	320	15	\	\	527	254	314	\	314	15	220	180	152	18	8	185	145	118	18	100	65

DIMENSION TABLE OF ZX (S) / ZXL (S)



All of the flanges are PN25 with convex.

Model (GB5662)	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	L1	L2	L3	S3	r	f	D2	K2	P2	S2	n	D1	K1	P1	S1	DNA	DNM
ZX 32-125/1.1	209	444	252	112	140	221	80	70	122	140	190	15	125	165	\	12	186	128	165	125	99	18	4	140	100	76	18	50	32
ZX 32-160/2.2	244	488	292	132	160	254	80	70	123	190	240	15	140	186	\	12	212	130	165	125	99	18	4	140	100	76	18	50	32
ZX 32-200/1.2	244	488	292	132	160	254	80	70	123	190	240	15	140	186	\	12	212	130	165	125	99	18	4	140	100	76	18	50	32
ZX 32-200/3.0	295	547	340	160	180	287	80	70	124	190	240	15	160	212	\	12	248	142	165	125	99	18	4	140	100	76	18	50	32
ZX 32-200/4.0	295	527	340	160	180	309	80	70	124	190	240	15	190	252	\	12	255	142	165	125	99	18	4	140	100	76	18	50	32
ZX 40-125/1.5	209	486	252	112	140	234	80	70	121	160	210	15	140	211	\	12	214	128	185	145	118	18	4	165	125	99	18	65	50
ZX 40-125/2.2	209	486	252	112	140	234	80	70	121	160	210	15	140	211	\	12	214	128	185	145	118	18	4	165	125	99	18	65	50
ZX 40-160/3.0	244	547	292	132	160	259	80	70	123	190	240	15	160	212	\	12	248	142	185	145	118	18	4	165	125	99	18	65	50
ZX 40-160/4.0	244	527	292	132	160	281	80	70	123	190	240	15	190	252	\	12	255	142	185	145	118	18	4	165	125	99	18	65	50
ZX 40-200/5.5	300	644	340	160	180	327	100	70	146	212	265	15	216	286	\	12	278	165	185	145	118	18	4	150	110	84	18	65	40
ZX 40-200/7.5	300	644	340	160	180	327	100	70	146	212	265	15	216	286	\	12	278	165	185	145	118	18	4	150	110	84	18	65	40
ZX 50-125/3.0	250	577	292	132	160	259	100	70	148	190	240	15	160	212	\	12	245	152	200	160	132	18	4	185	145	118	18	80	65
ZX 50-125/4.0	250	557	292	132	160	281	100	70	148	190	240	15	190	252	\	12	255	152	200	160	132	18	4	185	145	118	18	80	65
ZX 50-160/5.5	300	644	340	160	180	327	100	70	150	212	265	15	216	286	\	12	278	165	200	160	132	18	4	185	145	118	18	80	65
ZX 50-160/7.5	300	644	340	160	180	327	100	70	150	212	265	15	216	286	\	12	278	165	200	160	132	18	4	185	145	118	18	80	65
ZX 50-200/9.2	300	651	360	160	200	327	100	70	146	212	265	15	216	286	\	12	278	172	200	160	132	18	4	165	125	99	18	80	50
ZX 50-200/11	300	792	360	160	200	411	100	70	146	212	265	15	254	314	210	15	318	198	200	160	132	18	4	165	125	99	18	80	50

Model (GB5662)	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	r	f	L1	L2	L3	S3	D2	K2	P2	S2	n	D1	K1	P1	S1	DNA	DNM
ZX 65-125/4.0	245	556	340	160	180	309	100	95	155	212	280	15	255	151	190	252	\	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-125/5.5	245	644	340	160	180	327	100	95	155	212	280	15	278	164	216	286	\	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-125/7.5	245	644	340	160	180	327	100	95	155	212	280	15	278	164	216	286	\	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-160/9.2	301	658	360	160	200	327	100	95	155	212	280	15	278	179	216	286	\	12	220	180	152	18	8	200	160	132	18	100	80
ZX 65-160/11	301	800	360	160	200	412	100	95	155	212	280	15	318	205	254	314	210	15	220	180	152	18	8	200	160	132	18	100	80
ZX 65-200/15	301	800	405	180	225	432	100	95	155	250	320	15	368	205	254	348	\	15	220	180	152	18	8	185	145	118	18	100	65
ZX 65-200/18.5	301	840	405	180	225	432	100	95	155	250	320	15	410	205	254	348	\	15	220	180	152	18	8	185	145	118	18	100	65
ZX 65-200/22	301	840	405	180	225	432	100	95	155	250	320	15	410	205	254	348	\	15	220	180	152	18	8	185	145	118	18	100	65



Load Losses Table

LOAD LOSSES (Pc) in meters (column of water) Flow rate (V m/s)

Capacity		Internal diameter in mm																	
		25	32	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350
m³/h	Pc% Vm/s	17 1.70	6 1.03	1.6 0.67	0.54 0.43	0.25 0.29	0.13 0.22	0.06 0.16	0.03 0.13	0.02 0.10	0.026 0.13								
3	Pc% Vm/s																		
6	Pc% Vm/s																		
9	Pc% Vm/s																		
12	Pc% Vm/s																		
15	Pc% Vm/s																		
18	Pc% Vm/s																		
21	Pc% Vm/s																		
24	Pc% Vm/s																		
27	Pc% Vm/s																		
30	Pc% Vm/s																		
36	Pc% Vm/s																		
42	Pc% Vm/s																		
48	Pc% Vm/s																		
54	Pc% Vm/s																		
60	Pc% Vm/s																		
75	Pc% Vm/s																		
90	Pc% Vm/s																		
105	Pc% Vm/s																		
120	Pc% Vm/s																		
135	Pc% Vm/s																		
150	Pc% Vm/s																		
165	Pc% Vm/s																		
180	Pc% Vm/s																		
210	Pc% Vm/s																		
240	Pc% Vm/s																		
270	Pc% Vm/s																		
300	Pc% Vm/s																		
360	Pc% Vm/s																		
420	Pc% Vm/s																		
480	Pc% Vm/s																		
540	Pc% Vm/s																		
600	Pc% Vm/s																		
660	Pc% Vm/s																		
720	Pc% Vm/s																		
780	Pc% Vm/s																		
840	Pc% Vm/s																		
900	Pc% Vm/s																		
960	Pc% Vm/s																		
1020	Pc% Vm/s																		
1080	Pc% Vm/s																		
1140	Pc% Vm/s																		
1200	Pc% Vm/s																		

Discharge diameter

Suction diameter diameter

11/11/2016



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