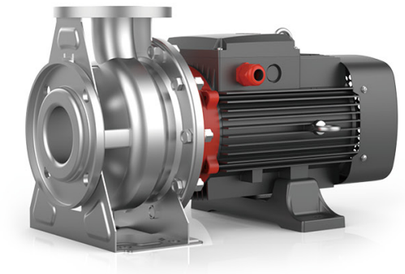
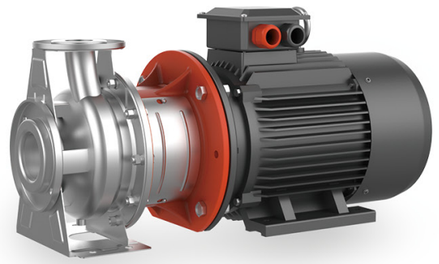
XZS

Stainless Steel Standard Centrifugal Pump



1.1kW~7.5kW



9.2kW~22kW

Application

- Water supply: filtration and trasfer at waterworks, regional water supply and pressure boosting in main pipe
- Industrial pressure boosting: Water system, cleaning system
- Industrial water supply: boiler feeding, cooling system, air conditioning, transportation of light acid and alkali liquid
- Water treatment: distillation systems, separators, swimming pools
- Agricultural irrigation, petrochemical industry, medicine and santation, etc.

Operating Conditions

- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Liquid temperature: -15℃ - +80℃
- Flow range: 0.7 - 132 m^3/h
- Head range: 9 - 58 m
- Ambient temperature range: -15℃ - + 40℃
- Max. operating pressure: 10 bar
- Altitude: up to 1000 m
- Liquid PH valve: 3 - 9
- Max.ambient temperature: +40℃

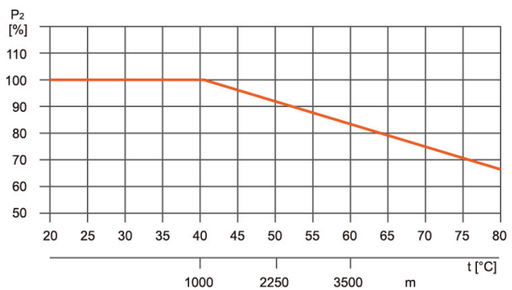
Motor

- IE2 Motor (IE3 motor availableon request for power≥9.2kw)
- Totally enclosed & fan-cooled
- Protection class: IP55
- Insulation class: F

Ambient Temperature

Max. Ambient temperature: +40˚C. Ambient temperature above 40˚C, or installation at altitude of more than 1000 m above sea level, require the use of an oversize motor. Because of low air density and poor cooling effects, the motor output power P2 will be decreased. See the picture.

For example, when the pump is installed at altitude of more than 3500 m above sea level, P2 will be decrease to 88%. When the ambient temperature is 70˚C, P2 will be decreased to 78%.



Identification Codes

XZS 65- 50- 160 / 40

- Rated Power (x100 W)
- Impeller Nominal Diameter (mm)
- Outlet Diameter (mm)
- Inlet Diameter (mm)
- LEO Stainless Steel Standard Centrifugal Pump

Accessories on Request

AISI304 Threaded flange

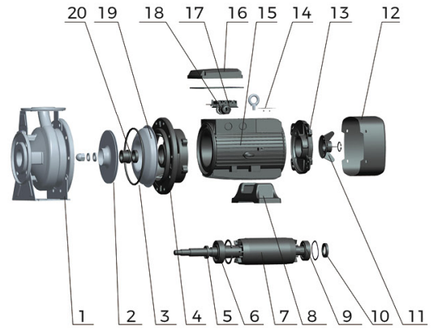
Flange gasket

Materials Table

1.1kW ~ 7.5kW

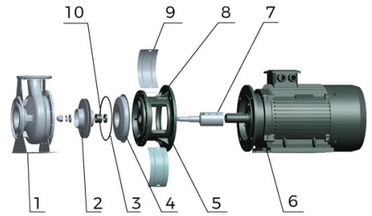
No.	Part	Material
1	Pump body	06Cr19Ni10
2	Impeller	06Cr19Ni10
3	O-ring	NBR
4	Support	HT200
5	Oil seal	
6	Bearing	
7	Rotor	
8	Stand	HT200
9	Bearing	
10	Oil seal	

No.	Part	Material
11	Fan	PP
12	Fan cover	PP-GF15
13	Rear cover	ZL102
14	Nameplate	06Cr19Ni10
15	Stator	
16	Terminal cover	ZL102
17	Terminal board	
18	Cable holder	
19	Support cover	06Cr19Ni10
20	Mechanical seal	



9.2kW ~ 22kW

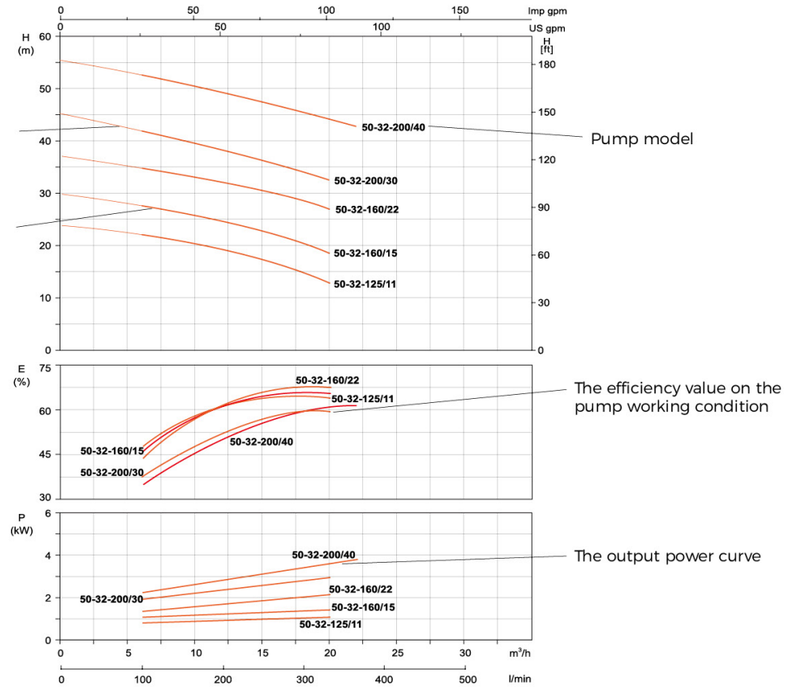
No.	Part	Material
1	Pump body	06Cr19Ni10
2	Impeller	06Cr19Ni10
3	O-ring	NBR
4	Support cover	06Cr19Ni10
5	Support	HT200
6	Motor	
7	Rotor	06Cr19Ni10/45
8	Nameplate	06Cr19Ni10
9	Guard plate	06Cr19Ni10
10	Mechanical seal	



How to Read the Curve Charts

The thin curves indicate the duty range where long-time operating is not allowed

The bold curves indicate the duty range where long-time operating is permitted for best efficiency



XZS

Stainless Steel Standard Centrifugal Pump

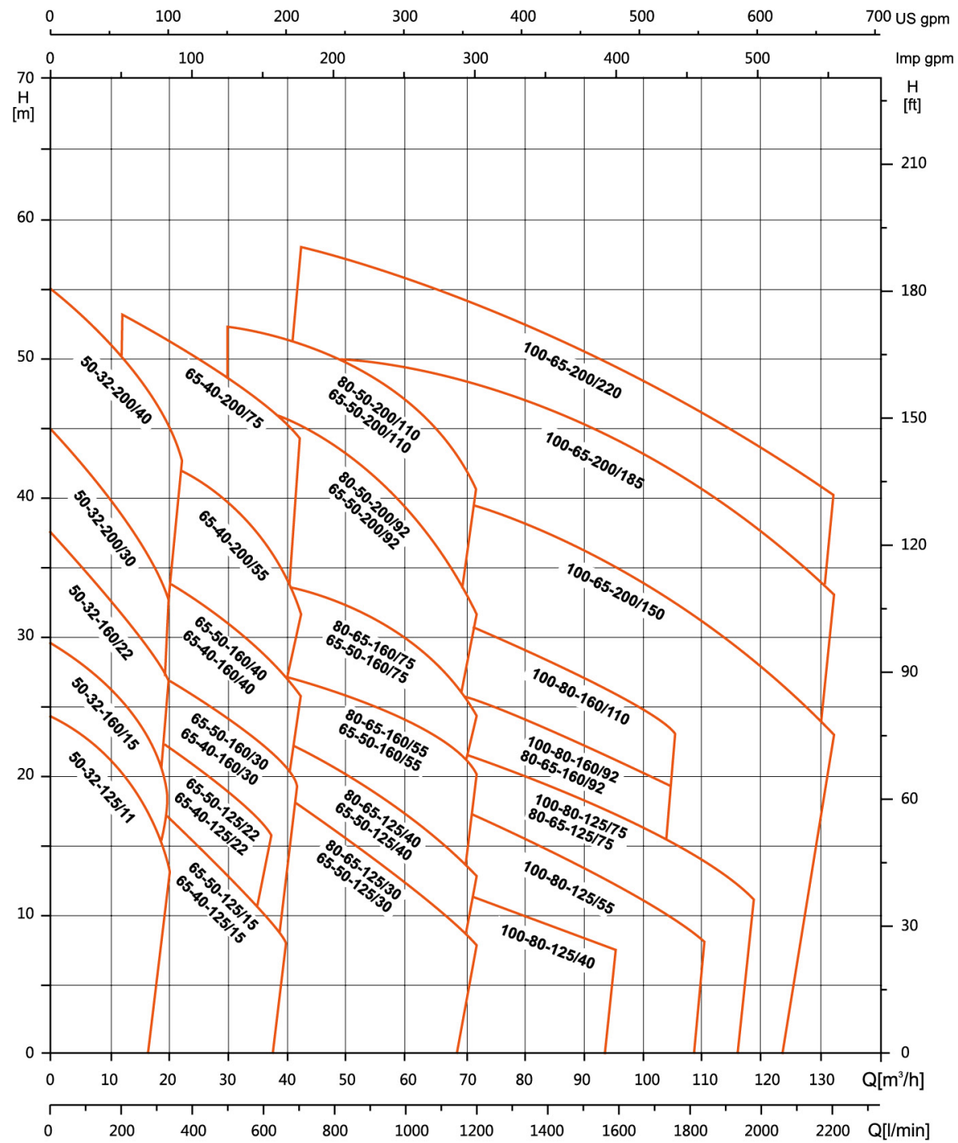
Technical Data

Model		Power		Q(m³/h)	0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132
GB5662 Standard	EN733 Standard	kW	HP	Q(l/min)	0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200	1500	1800	1900	2000	2100	2200
XZS50-32-125/11		1.1	1.5		24	21.5	20.5	19.5	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-160/15		1.5	2		29.5	27	26	25	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-160/22		2.2	3		37	33.5	32.5	32	28.5	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-200/30		3	4		45	41	40	38	34	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-200/40		4	5.5		55	51	50	49	46	45	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-125/15	XZS65-40-125/15	1.5	2		20	-	-	19	18	17	16.5	15	14	12.5	10	-	-	-	-	-	-	-	-	-	-
XZS65-50-125/22	XZS65-40-125/22	2.2	3		26	-	-	23.5	22.5	22	21.5	21	20.5	19.5	16.5	-	-	-	-	-	-	-	-	-	-
XZS65-50-160/30	XZS65-40-160/30	3	4		31	-	-	29	27.5	27	26.5	25.5	25	24	22	19	-	-	-	-	-	-	-	-	-
XZS65-50-160/40	XZS65-40-160/40	4	5.5		39	-	-	35.5	34.5	34	33.5	32.5	32	31	29	26	-	-	-	-	-	-	-	-	-
XZS65-40-200/55		5.5	7.5		47	-	-	43	42.5	42	41.5	41	40.5	39	37	33	-	-	-	-	-	-	-	-	-
XZS65-40-200/75		7.5	10		57	-	-	53	52.5	52	51	50	49	48	46.5	44.5	-	-	-	-	-	-	-	-	-
XZS80-65-125/30	XZS65-50-125/30	3	4		22.5	-	-	-	-	-	-	20	19.5	19	18.5	17.5	16	13	9	-	-	-	-	-	-
XZS80-65-125/40	XZS65-50-125/40	4	5.5	H (m)	25.5	-	-	-	-	-	-	23	22.5	22	21.5	20.5	20	17	13.5	-	-	-	-	-	-
XZS80-65-160/55	XZS65-50-160/55	5.5	7.5		33	-	-	-	-	-	-	29.5	29	28.5	28	27	26	24	20	-	-	-	-	-	-
XZS80-65-160/75	XZS65-50-160/75	7.5	10		39	-	-	-	-	-	-	36	35	34.5	34	33.5	32.5	29	24	-	-	-	-	-	-
*XZS80-50-200/92	XZS65-50-200/92	11	15		53	-	-	-	-	-	-	-	-	48	47.5	46.5	44.5	39.5	34	-	-	-	-	-	-
*XZS80-50-200/110	XZS65-50-200/110	11	15		57.5	-	-	-	-	-	-	-	-	53	51	50.5	50	47	41	-	-	-	-	-	-
XZS100-80-125/40		4	5.5		20	-	-	-	-	-	-	-	-	-	17.5	16.5	15.5	14	12	7	-	-	-	-	-
XZS100-80-125/55		5.5	7.5		23	-	-	-	-	-	-	-	-	-	21.5	20.5	20	18	16	12	7.5	-	-	-	-
XZS100-80-125/75	XZS80-65-125/75	7.5	10		29	-	-	-	-	-	-	-	-	-	27.5	26.5	25.5	23.5	21.5	17.5	13	12	-	-	-
*XZS100-80-160/92	XZS80-65-160/92	11	15		33	-	-	-	-	-	-	-	-	-	-	31	30	28	26	23	-	-	-	-	-
*XZS100-80-160/110	XZS80-65-160/110	11	15		38.5	-	-	-	-	-	-	-	-	-	-	36	35	33	31	28	-	-	-	-	-
*XZS100-65-200/150		15	20		47	-	-	-	-	-	-	-	-	-	-	44	43	41	39	36	32	30	28	26	23
*XZS100-65-200/185		18.5	25		53	-	-	-	-	-	-	-	-	-	-	51	50	49	48	45	41	39	37	35	33
*XZS100-65-200/220		22	30		58	-	-	-	-	-	-	-	-	-	-	57	56	55	54	51	47	45.5	44	42	40

* =IE3 motor optional on request.

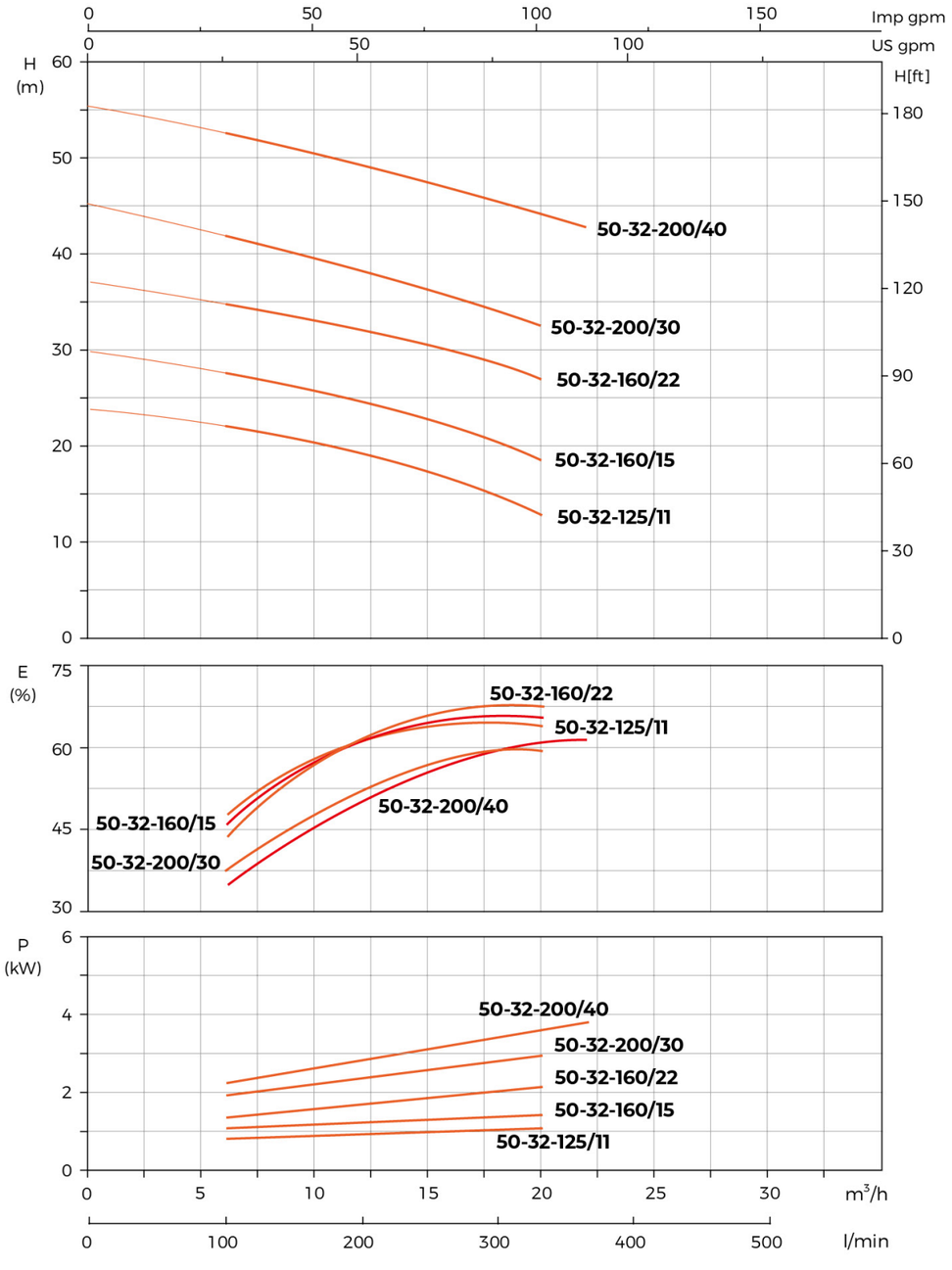
Characteristic Curves

XZS	Rated speed: 2900r/min



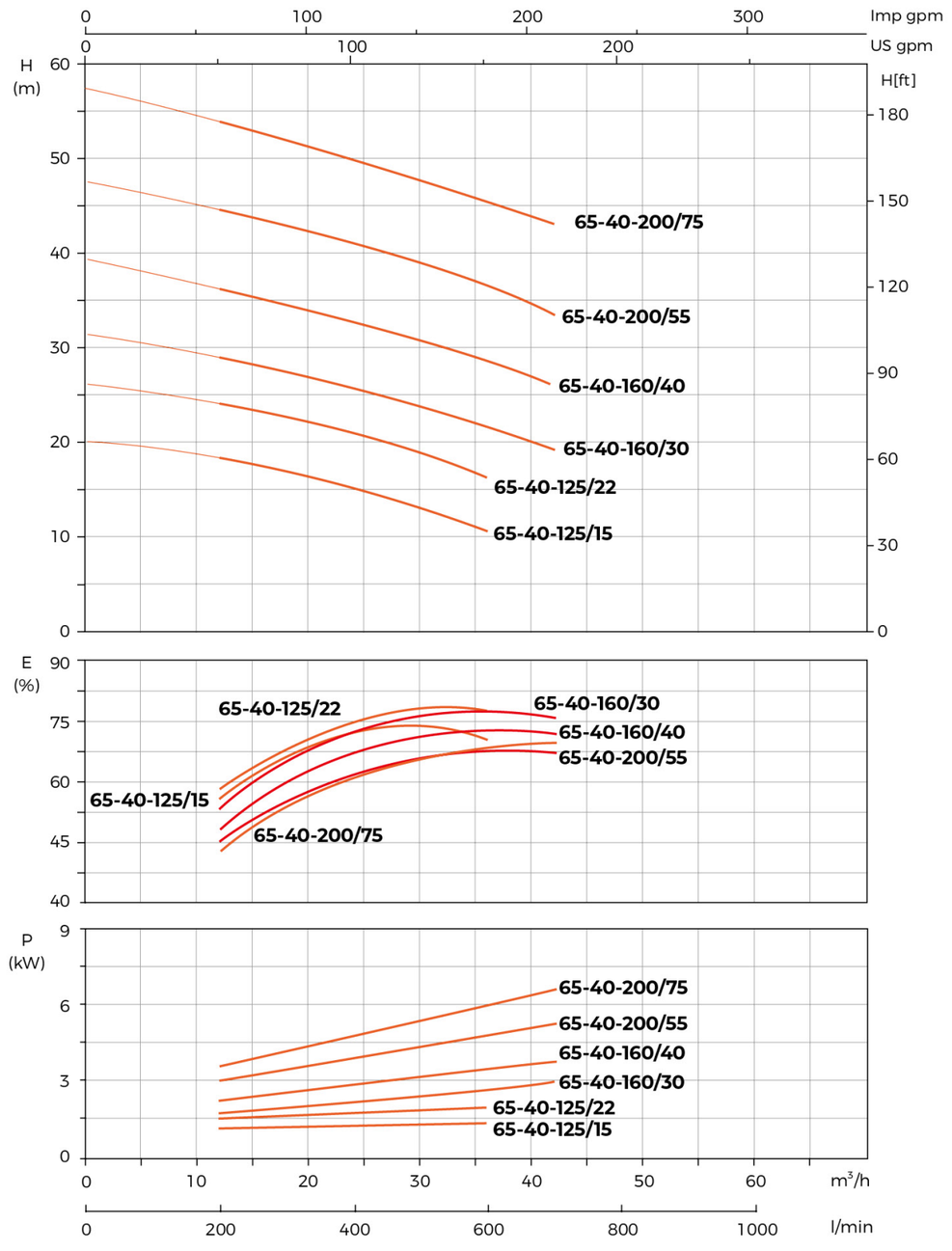
Hydraulic Performance Curves

XZS50-32	Rated speed: 2900r/min



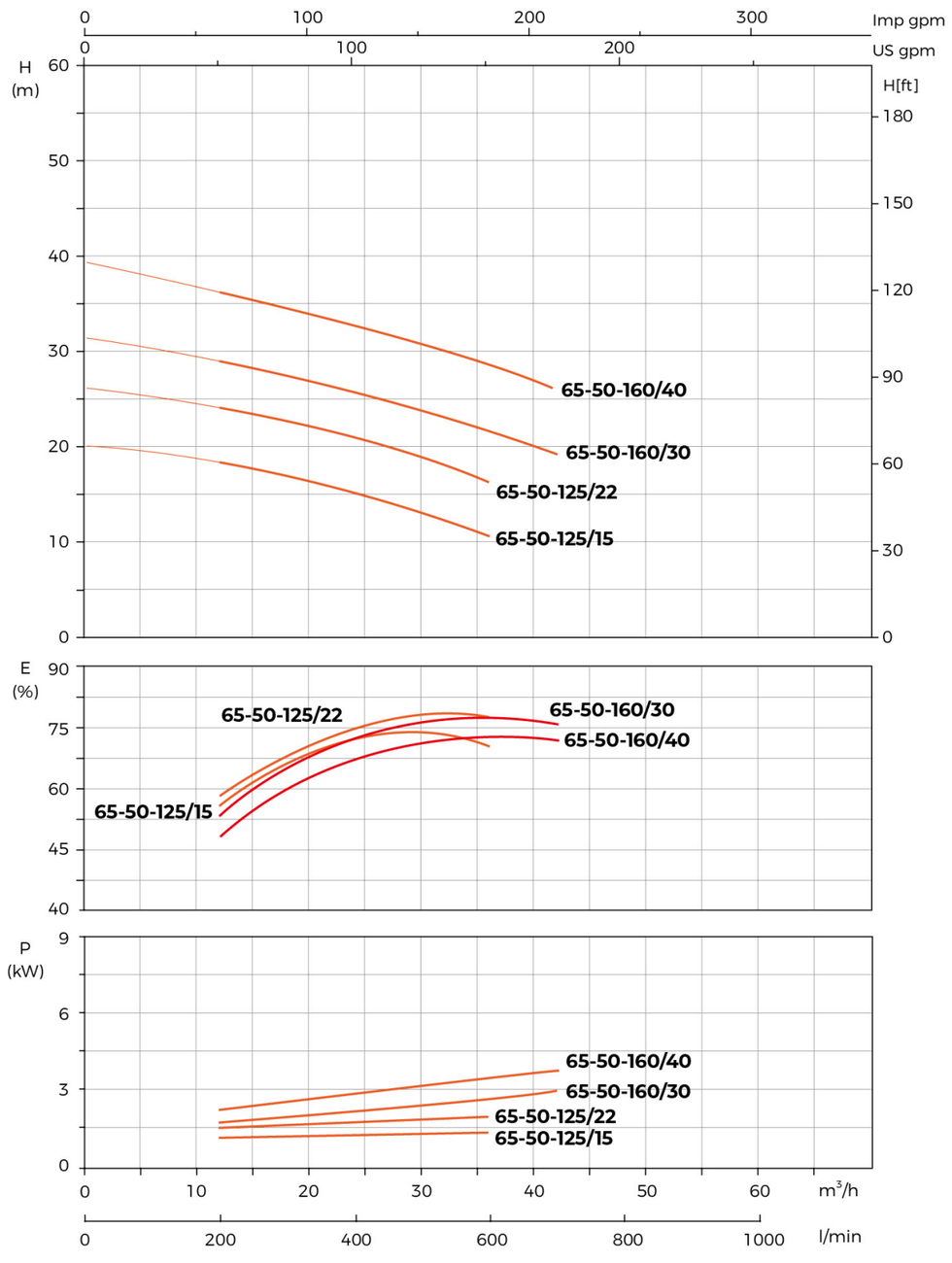
Hydraulic Performance Curves

XZS65-40	Rated speed: 2900r/min



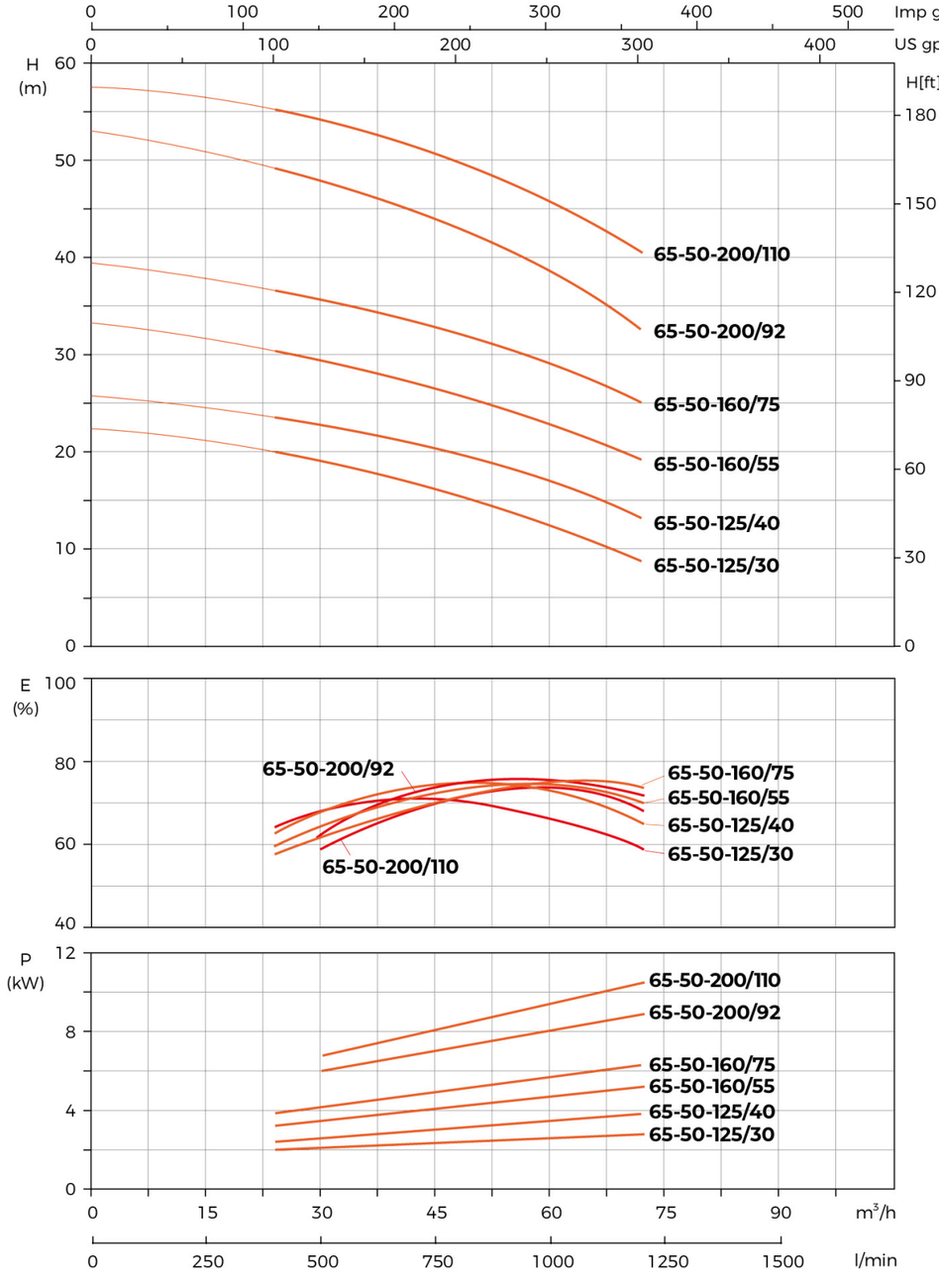
Hydraulic Performance Curves

XZS65-50	Rated speed: 2900r/min



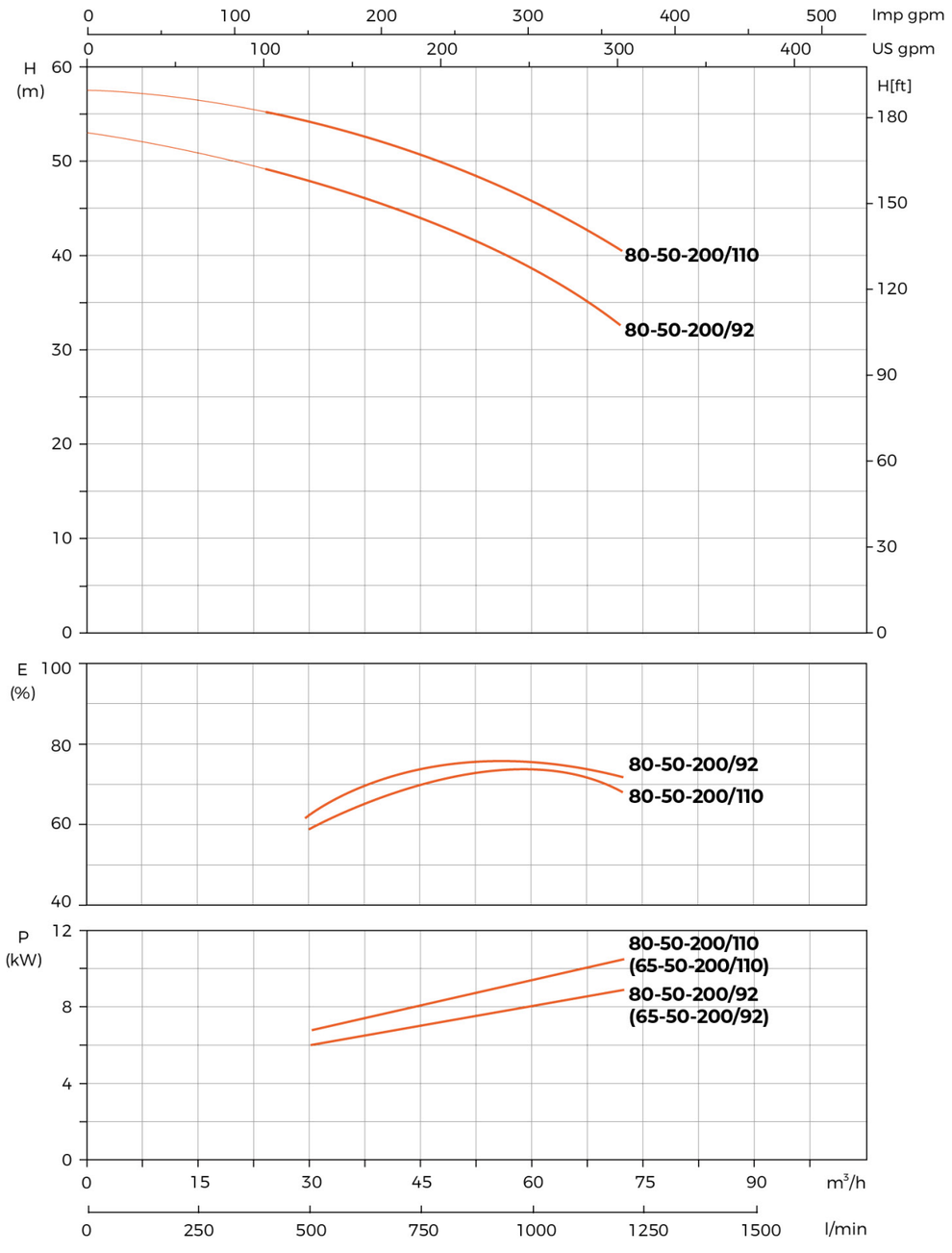
Hydraulic Performance Curves

XZS65-50	Rated speed: 2900r/min



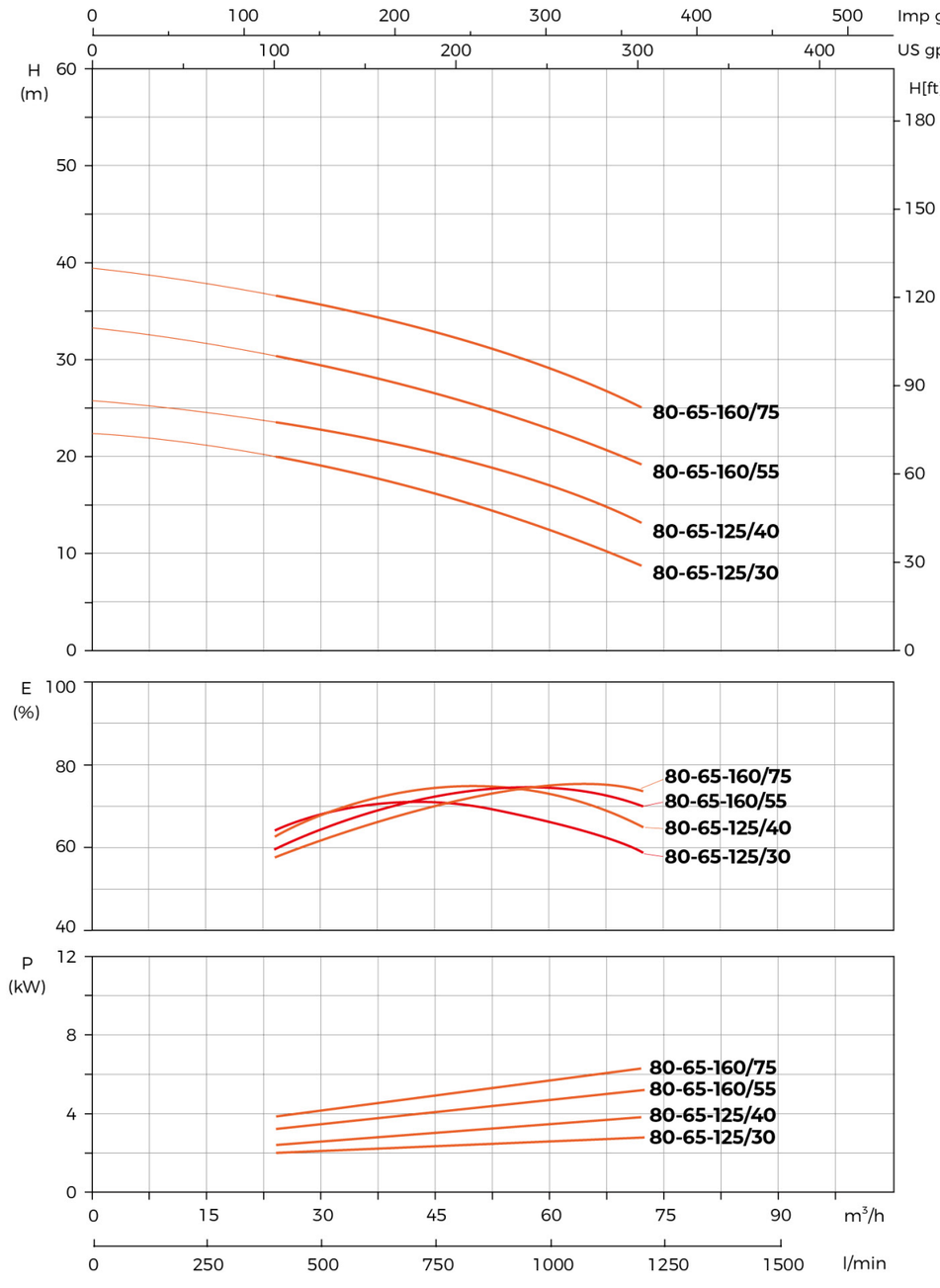
Hydraulic Performance Curves

XZS80-50	Rated speed: 2900r/min



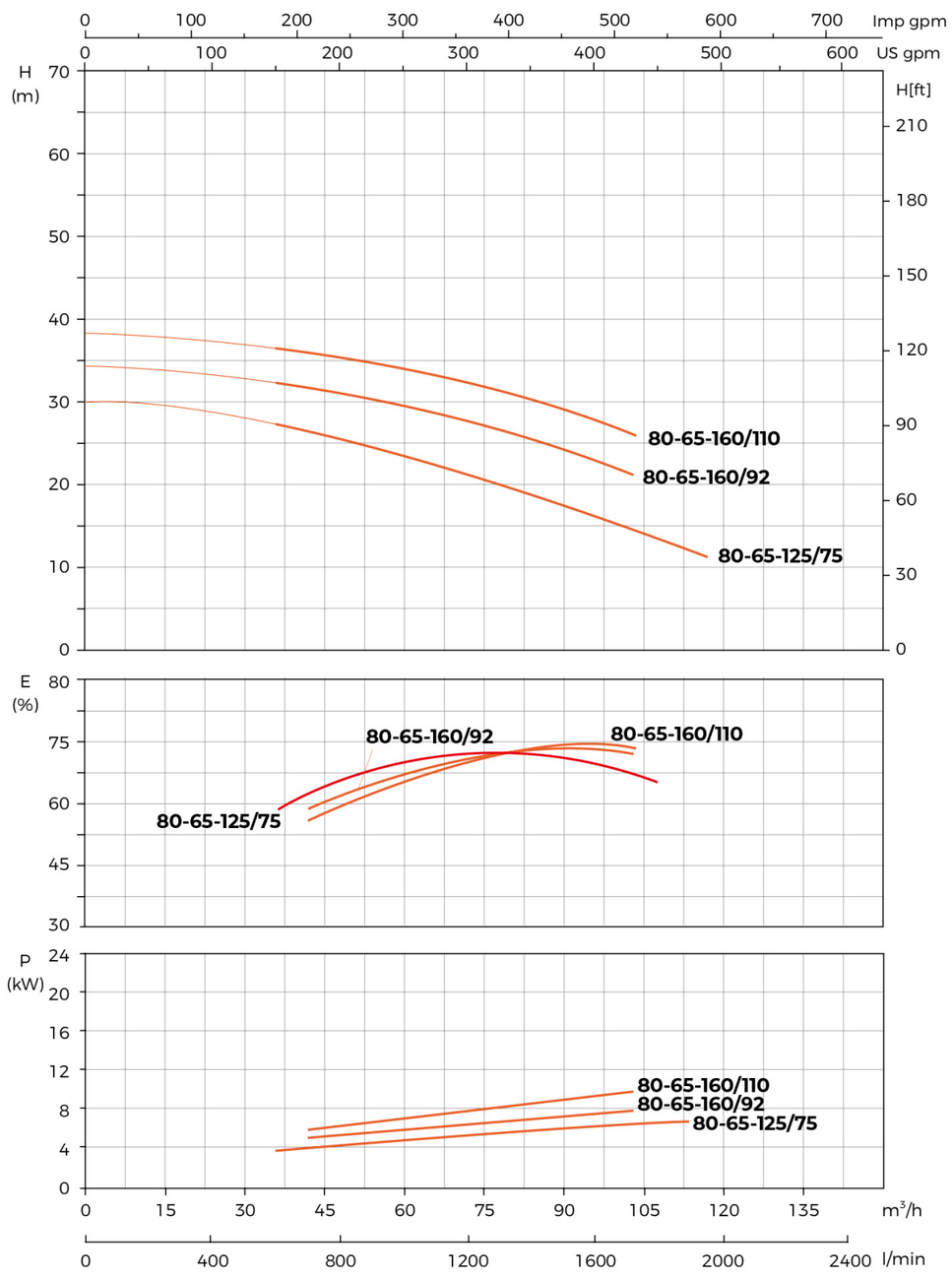
Hydraulic Performance Curves

XZS80-65	Rated speed: 2900r/min



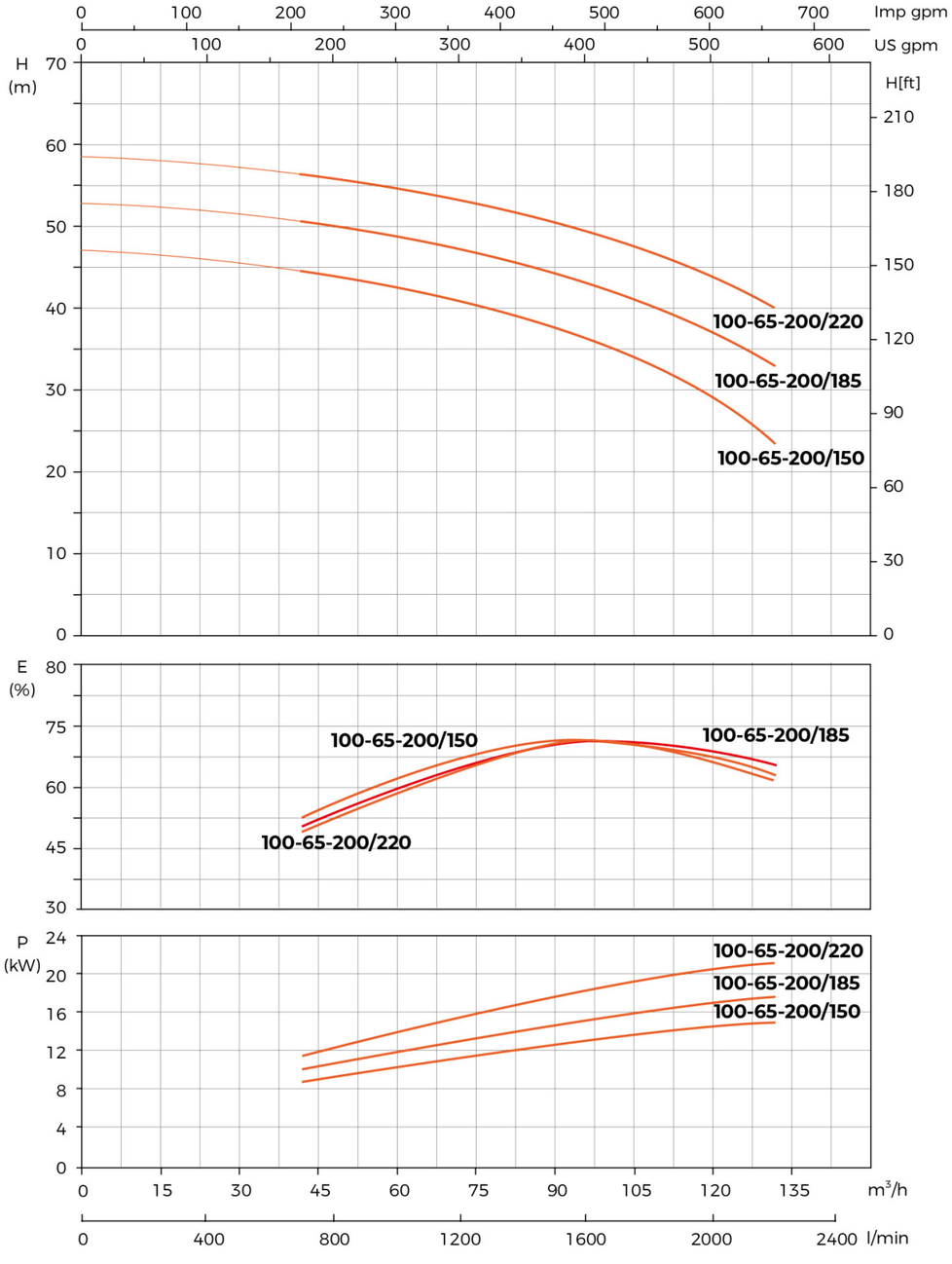
Hydraulic Performance Curves

XZS80-65	Rated speed: 2900r/min



Hydraulic Performance Curves

XZS100-65	Rated speed: 2900r/min

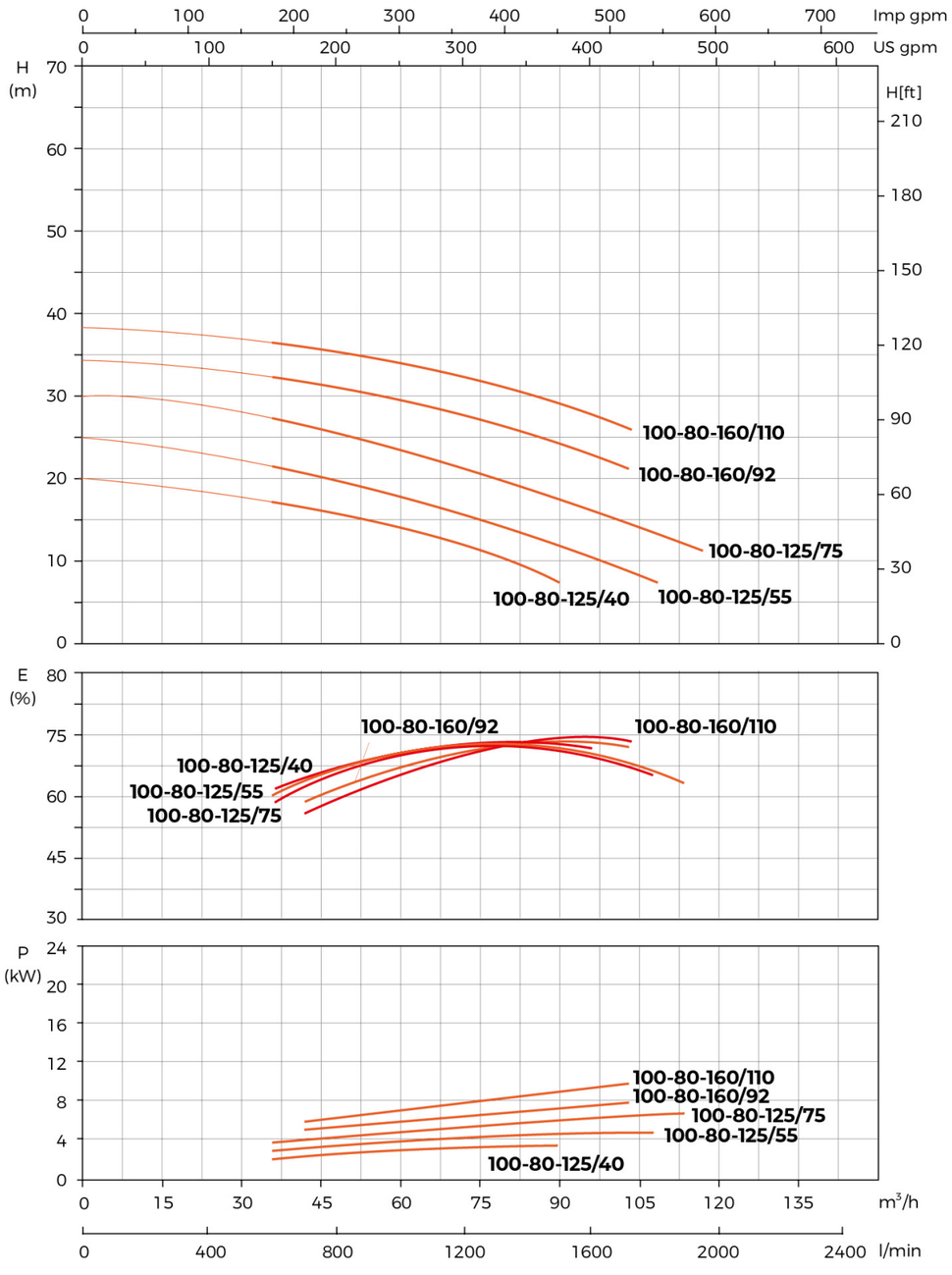


XZS

Stainless Steel Standard
Centrifugal Pump

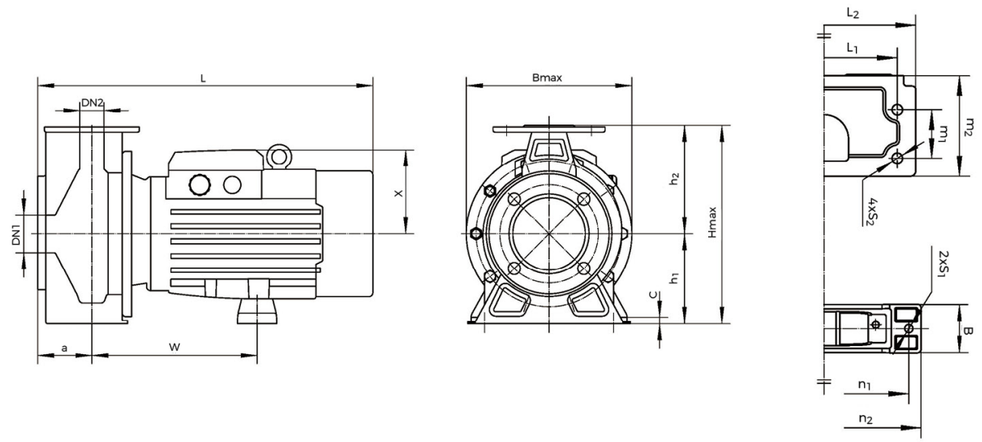
Hydraulic Performance Curves

XZS100-80	Rated speed: 2900r/min



Installation Sketch

For model ≤ 7.5kW



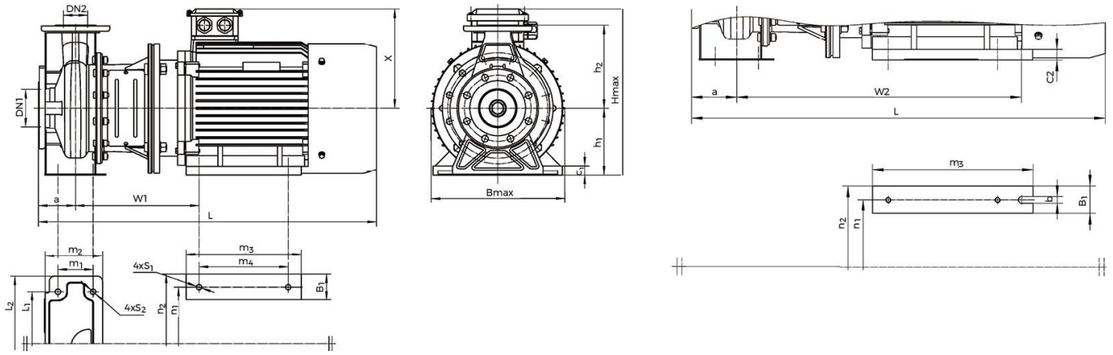
Model	DN1	DN2	a	W	L	L1	L2	m1	m2	n1	n2	h1	h2	2-S1	4-S2	B	C	X	Bmax	Hmax
XZS50-32-125/11	50	32	80	205	475	140	190	70	122	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	250
XZS50-32-160/15	50	32	80	207	477	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292
XZS50-32-160/22	50	32	80	207	477	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292
XZS50-32-200/30	50	32	80	244	492	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340
XZS50-32-200/40	50	32	80	244	492	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340
XZS65-50-125/15	65	50	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZS65-50-125/22	65	50	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZS65-50-160/30	65	50	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-50-160/40	65	50	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-40-200/55	65	40	40	246	563	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340
XZS65-40-200/75	65	40	40	246	563	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340
XZS80-65-125/30	80	65	65	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS80-65-125/40	80	65	65	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS80-65-160/55	80	65	65	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS80-65-160/75	80	65	65	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS100-80-125/40	100	80	80	256	524	212	280	95	155	225	260	160	180	2-Ø12	4-Ø15	75	15	124	280	340
XZS100-80-125/55	100	80	80	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS100-80-125/75	100	80	80	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS65-40-125/15	65	40	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZS65-40-125/22	65	40	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZS65-40-160/30	65	40	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-40-160/40	65	40	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-50-125/30	65	50	100	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-50-125/40	65	50	100	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZS65-50-160/55	65	50	100	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS65-50-160/75	65	50	100	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZS80-65-125/75	80	65	100	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340

XZS

Stainless Steel Standard Centrifugal Pump

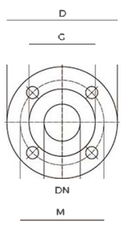
Installation Sketch

For model ≥ 9.2kW



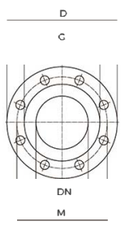
Model	DN1	DN2	a	W1	W2	L	L1	L2	m1	m2	m3	m4	n1	n2	h1	h2	4-S1	4-S2	B1	b	C1	C2	X	Bmax	Hmax
XZS80-50-200/92	80	50	100	314		816	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ14	65		20		260	350	420
XZS80-50-200/110	80	50	100	314		816	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ14	65		20		260	350	420
XZS100-80-160/92	100	80	100	321		823	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ14	65		20		260	350	420
XZS100-80-160/110	100	80	100	321		823	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ14	65		20		260	350	420
XZS100-65-200/150	100	65	100		581	823	250	320	95	155	310		254	314	180	225		4-Φ14	60	14.5		20	260	350	440
XZS100-65-200/185	100	65	100		625	868	250	320	95	155	354		254	314	180	225		4-Φ14	60	14.5		20	260	350	440
XZS100-65-200/220	100	65	100	334		913	250	320	95	155	311	241	279	355	180	225	4-Φ14.5	4-Φ14	70		22		280	355	460
XZS65-50-200/92	65	50	100	314		816	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ15	65				260	350	420
XZS65-50-200/110	65	50	100	314		816	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ15	65				260	350	420
XZS80-65-160/92	80	65	100	321		823	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ15	65				260	350	420
XZS80-65-160/110	80	65	100	321		823	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ15	65				260	350	420

Flange Dimensions



PN16 Flange

DN	D	M	G	Holes		Max. Thickness
				N°	Φ	
Φ32	140	100	76	4	18	14
Φ40	150	110	84	4	18	14.5
Φ50	165	125	99	4	18	15
Φ65	185	145	118	4	18	16
□80	200	160	132	4	18	18



PN16 Flange

DN	D	M	G	Holes		Max. Thickness
				N°	Φ	
Φ100	220	180	152	8	18	18