

# XZS

## Stainless Steel Standard Centrifugal Pump



سامان کدہ

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### Application

- Water supply: filtration and transfer 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 sanitation, etc.

### Operating Conditions

- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Liquid temperature: -15°C - +80°C
- Flow range: 0.7 - 132 m³/h
- Head range: 9 - 58 m
- Ambient temperature range: -15°C - +40°C
- Max. operation: 33 bar
- Altitude: up to 1000 m

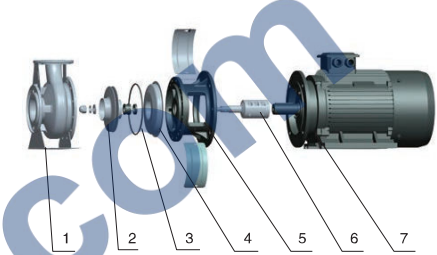
### Motor

- IE 2 motor (IE 3 motor optional)
- Totally enclosed & fan-cooled
- Protection class: IP55
- Insulation class: F



### Materials Table

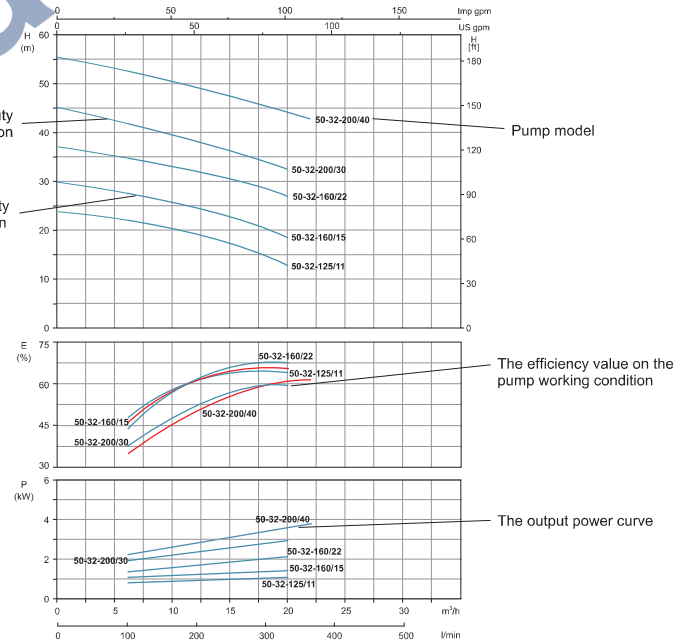
No.	Part	Material
1	Pump body	AISI 304
2	Impeller	AISI 304
3	Mechanical seal	
4	Rear cover	AISI 304
5	Support	HT 200
6	Pump shaft	AISI 304/45#
7	Motor	



### How to Read The Curve Charts

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

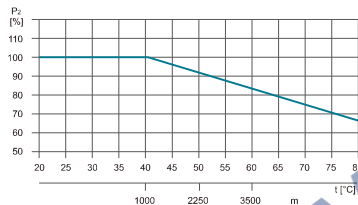
The bold curves indicate the duty range where long-time operation is permitted for best efficiency



### 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 decreased to 88%. When the ambient temperature is 70°C, P2 will be decreased to 78%.



### Identification Codes

**XZS 65- 50- 160/40**

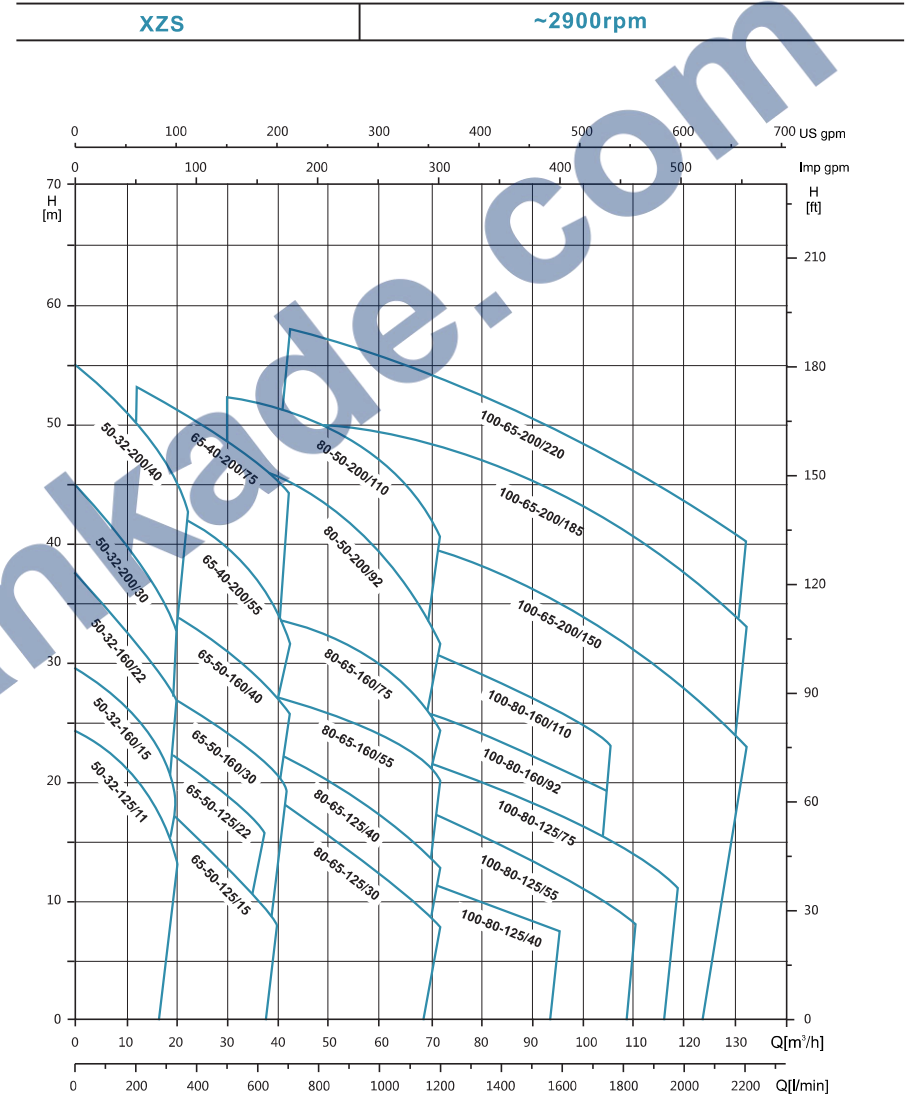
- Rated Power (x100 W)
- Impeller Nominal Diameter (mm)
- Outlet Diameter (mm)
- Inlet Diameter (mm)
- LEO Stainless Steel Standard Centrifugal Pump



Technical Data

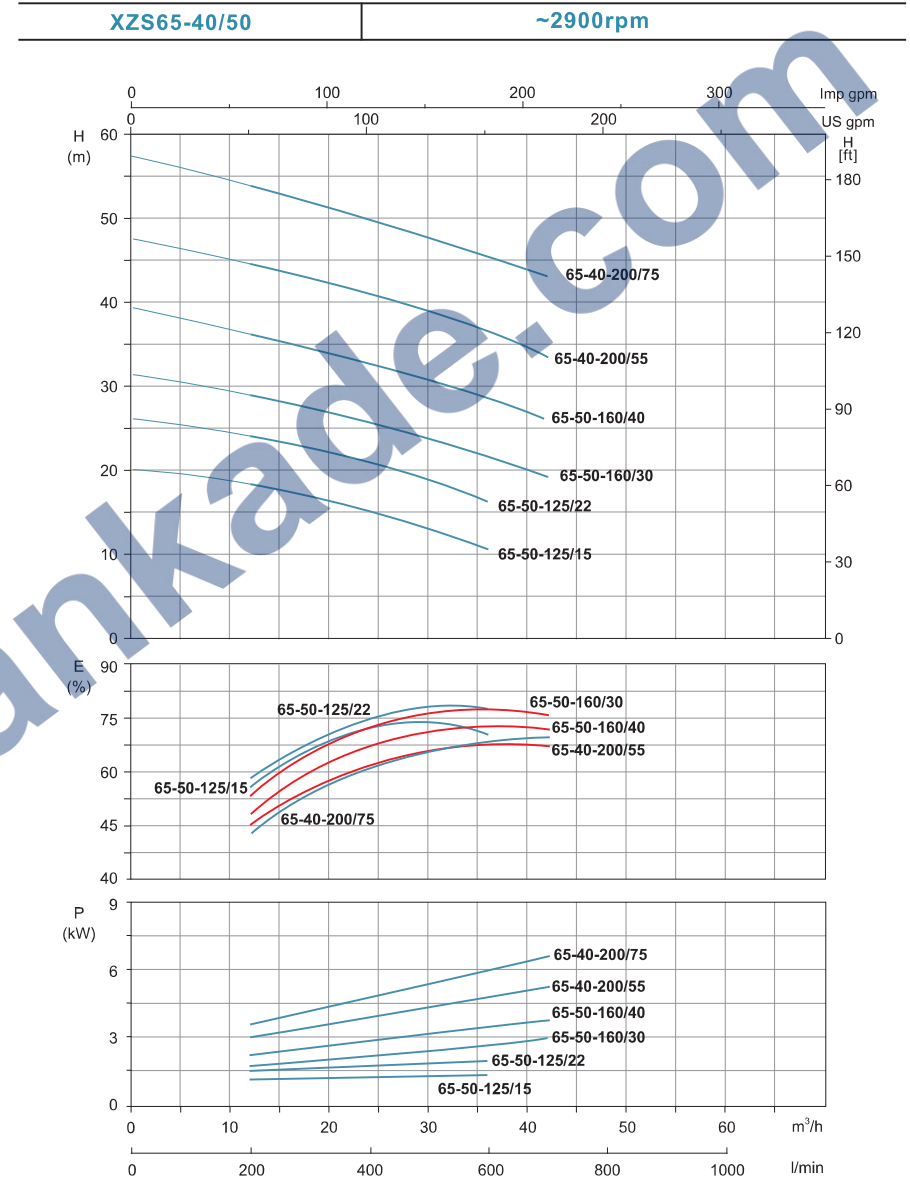
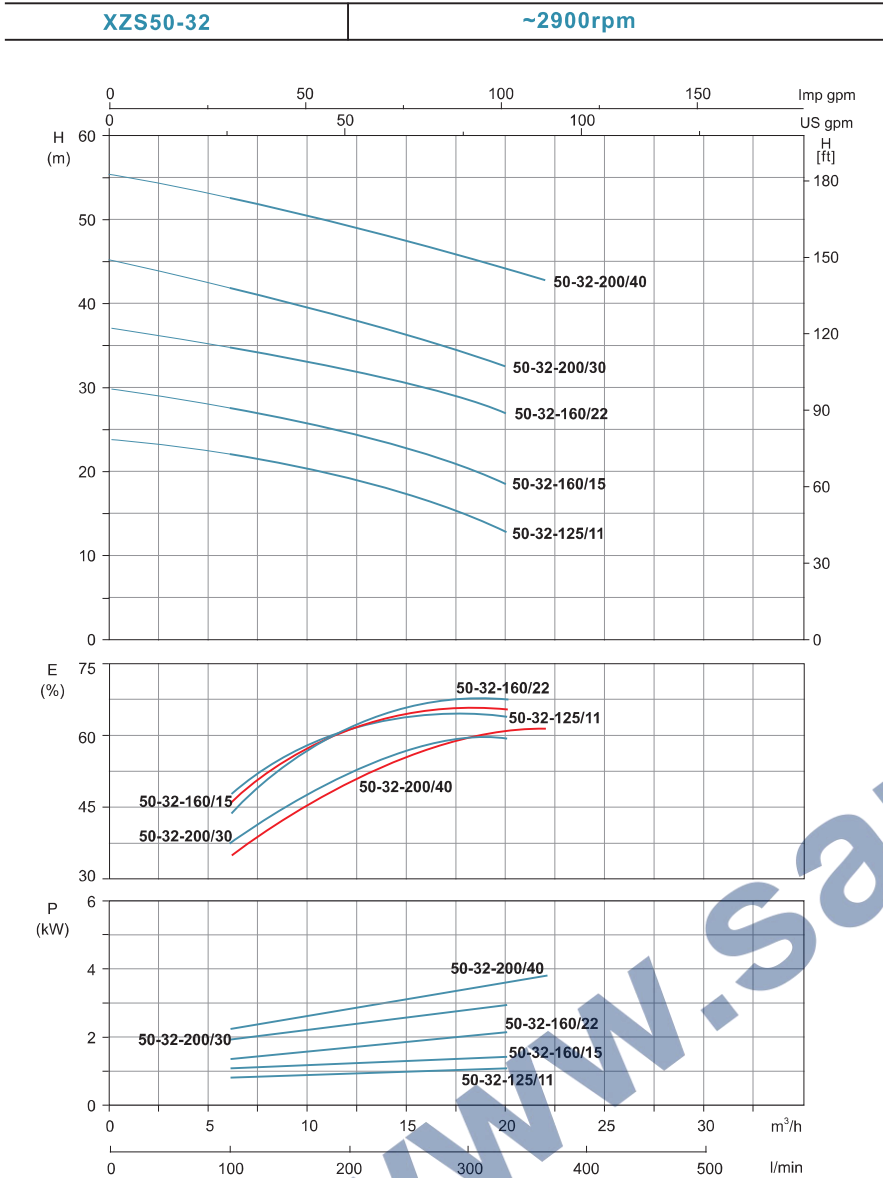
MODEL	Power		Q (m <sup>3</sup> /h) Q (l/min)	Q=DELIVERY																							
	kW	HP		0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132			
XZS50-32-125/11	1.1	1.5	24.0	21.5	20.5	19.5	16.0	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
XZS50-32-160/15	1.5	2	29.5	27.0	26.0	25.0	21.0	18.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
XZS50-32-160/22	2.2	3	37.0	33.5	32.5	32.0	28.5	27.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
XZS50-32-200/30	3	4	45.0	41.0	40.0	38.0	34.0	32.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
XZS50-32-200/40	4	5.5	55.0	51.0	50.0	49.0	46.0	45.0	43.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
XZS65-50-125/15	1.5	2	20.0	-	-	19.0	18.0	17.0	16.5	15.0	14.0	12.5	10.0	-	-	-	-	-	-	-	-	-	-	-	-		
XZS65-50-125/22	2.2	3	26.0	-	-	23.5	22.5	22.0	21.5	21	20.5	19.5	16.5	-	-	-	-	-	-	-	-	-	-	-	-		
XZS65-50-160/30	3	4	31.0	-	-	29.0	27.5	27.0	26.5	25.5	25.0	24.0	22.0	19.0	-	-	-	-	-	-	-	-	-	-	-		
XZS65-50-160/40	4	5.5	39.0	-	-	35.5	34.5	34.0	33.5	32.5	32.0	31.0	29.0	26.0	-	-	-	-	-	-	-	-	-	-	-		
XZS65-40-200/55	5.5	7.5	47.0	-	-	43.0	42.5	42.0	41.5	41.0	40.5	39.0	37.0	33.0	-	-	-	-	-	-	-	-	-	-	-		
XZS65-40-200/75	7.5	10	57.0	-	-	53.0	52.5	52.0	51.0	50.0	49.0	48.0	46.5	44.5	-	-	-	-	-	-	-	-	-	-	-		
XZS80-65-125/30	3	4	22.5	-	-	-	-	-	-	20.0	19.5	19.0	18.5	17.5	16.0	13.0	9.0	-	-	-	-	-	-	-	-		
XZS80-65-125/40	4	5.5	25.5	-	-	-	-	-	-	23.0	22.5	22.0	21.5	20.5	20.0	17.0	13.5	-	-	-	-	-	-	-	-		
XZS80-65-160/55	5.5	7.5	33.0	-	-	-	-	-	-	29.5	29.0	28.5	28.0	27.0	26.0	24.0	20.0	-	-	-	-	-	-	-	-		
XZS80-65-160/75	7.5	10	39.0	-	-	-	-	-	-	36.0	35.0	34.5	34.0	33.5	32.5	29.0	24.0	-	-	-	-	-	-	-	-		
XZS80-50-200/92	9.2	12.5	53.0	-	-	-	-	-	-	48.0	47.5	46.5	44.5	39.5	34.0	-	-	-	-	-	-	-	-	-	-		
XZS80-50-200/110	11	15	57.5	-	-	-	-	-	-	53.0	51.0	50.5	50.0	47.0	41.0	-	-	-	-	-	-	-	-	-	-		
XZS100-80-125/40	4	5.5	20.0	-	-	-	-	-	-	-	-	-	17.5	16.5	15.5	14.0	12.0	7.0	-	-	-	-	-	-	-		
XZS100-80-125/55	5.5	7.5	23.0	-	-	-	-	-	-	-	-	-	21.5	20.5	20.0	18.0	16.0	12.0	7.5	-	-	-	-	-	-		
XZS100-80-125/75	7.5	10	29.0	-	-	-	-	-	-	-	-	-	27.5	26.5	25.5	23.5	21.5	17.5	13.0	12.0	-	-	-	-	-		
XZS100-80-160/92	9.2	12.5	33.0	-	-	-	-	-	-	-	-	-	31.0	30.0	28.0	26.0	23.0	-	-	-	-	-	-	-	-		
XZS100-80-160/110	11	15	38.5	-	-	-	-	-	-	-	-	-	36.0	35.0	33.0	31.0	28.0	-	-	-	-	-	-	-	-		
XZS100-65-200/150	15	20	47.0	-	-	-	-	-	-	-	-	-	44.0	43.0	41.0	39.0	36.0	32.0	30.0	28.0	26.0	23.0	-	-	-		
XZS100-65-200/185	18.5	25	53.0	-	-	-	-	-	-	-	-	-	51.0	50.0	49.0	48.0	45.0	41.0	39.0	37.0	35.0	33.0	-	-	-		
XZS100-65-200/220	22	30	58.0	-	-	-	-	-	-	-	-	-	57.0	56.0	55.0	54.0	51.0	47.0	45.5	44.0	42.0	40.0	-	-	-		

Characteristic Curves



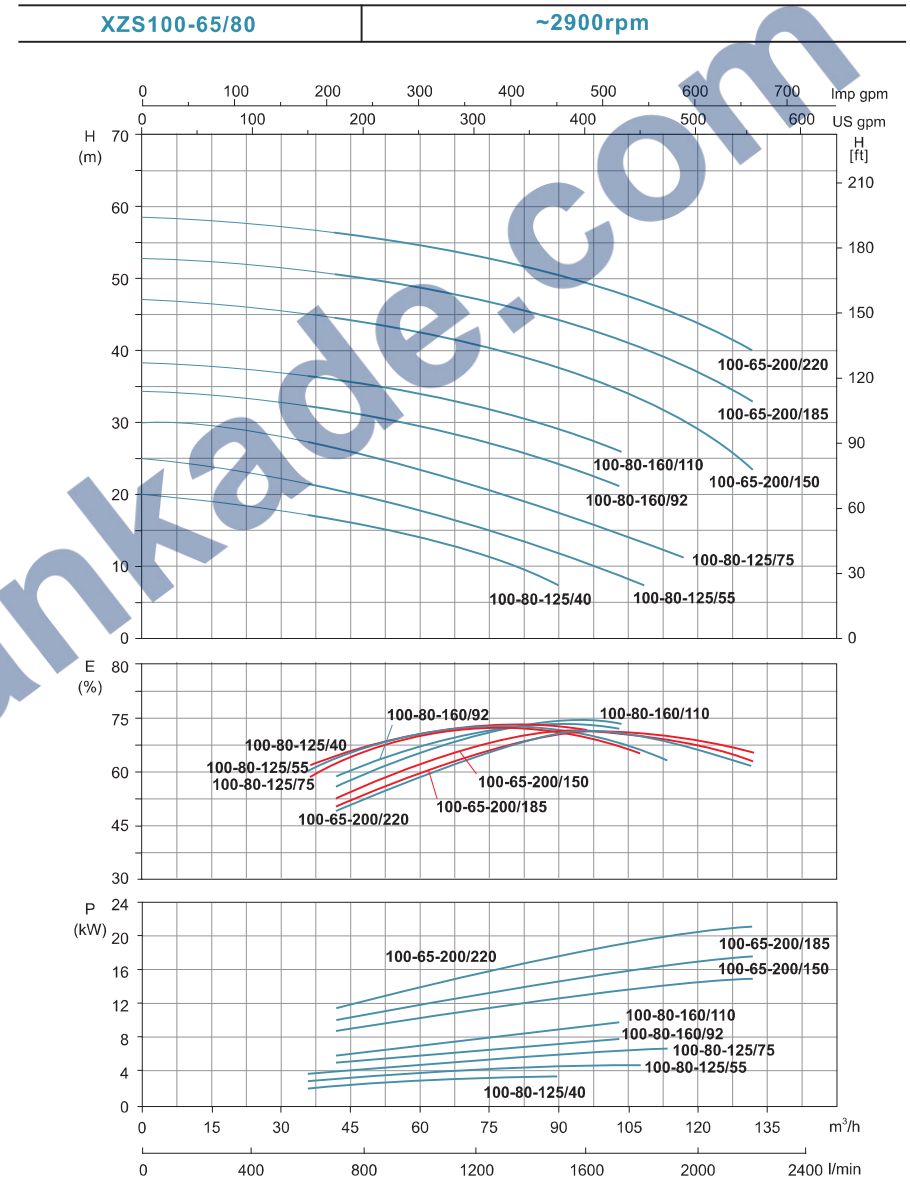
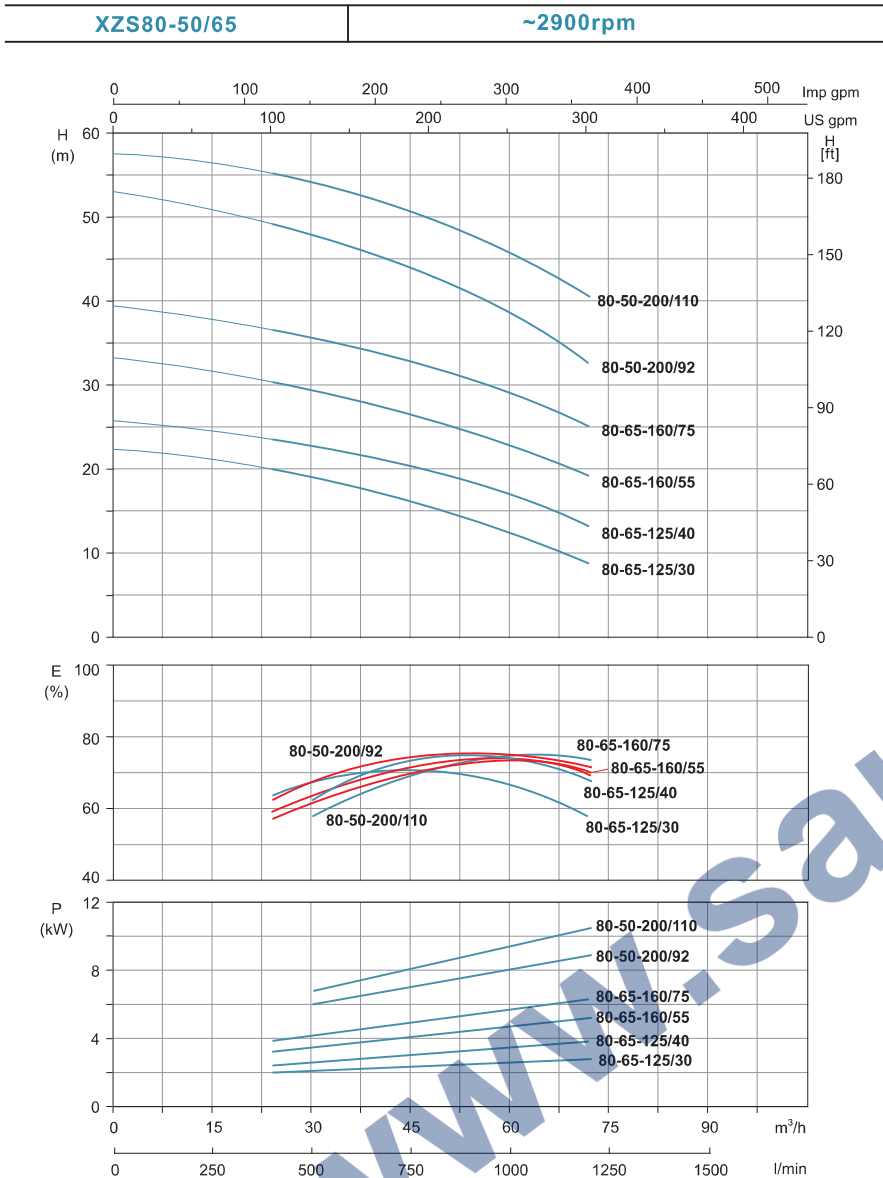
Hydraulic Performance Curves

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## Hydraulic Performance Curves

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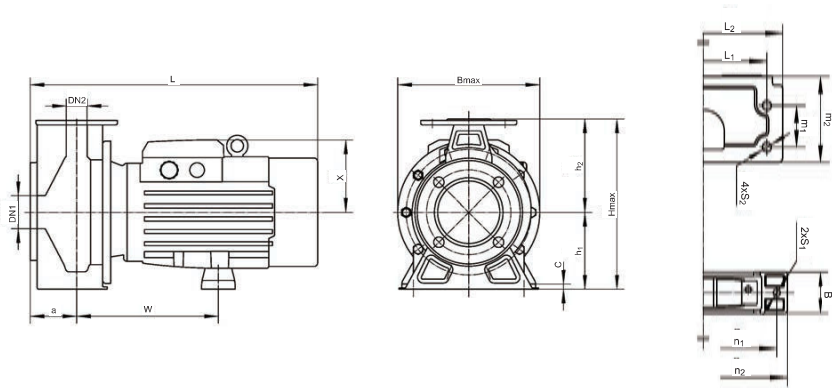


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## Installation Sketch

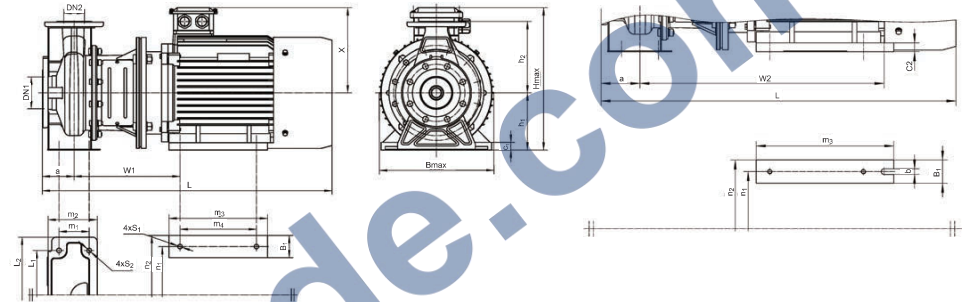
Up to 7.5 kW included



Model	DN1	DN2	a	w	L1	L2	m1	m2	n1	n2	h1	h2	2-S1	4-S2	B	C	X	Bmax	Hmax	L									
XZS50-32-125/11	50	32	205	140	190	70	122	205	240	112	140	127	65	12	127	240	250	475	816										
XZS50-32-160/15			207	190	240															132	160	244	292	477					
XZS50-32-160/22			190	240	124															225	260	160	180	295	340	492			
XZS50-32-200/30			244	124	225															260	160	180	295	340	492				
XZS50-32-200/40			244	124	225															260	160	180	295	340	492				
XZS65-50-125/15	65	50	205	160	210	70	121	205	240	112	140	127	65	12	127	240	252	475	816										
XZS65-50-125/22			205	160	210															112	140	127	240	252	475				
XZS65-50-160/30			244	190	240															123	225	260	132	160	75	124	260	292	492
XZS65-50-160/40			244	190	240															123	225	260	132	160	75	124	260	292	492
XZS65-40-200/55			246	212	265															146	245	280	160	180	70	142	295	340	563
XZS65-40-200/75	246	212	265	146	245	280	160	180	70	142	295	340	563																
XZS80-65-125/30	80	65	254	190	240	70	158	225	260	132	160	127	75	15	124	260	292	522	816										
XZS80-65-125/40			254	190	240															132	160	127	260	292	522				
XZS80-65-160/55			256	212	265															150	245	280	160	180	70	142	295	340	573
XZS80-65-160/75			256	212	265															150	245	280	160	180	70	142	295	340	573
XZS100-80-125/40			212	280	95															155	225	260	160	180	75	124	280	340	524
XZS100-80-125/55	212	280	95	155	225	260	160	180	75	124	280	340	524																
XZS100-80-125/75	258	280	95	155	245	280	160	180	70	142	295	340	575																

## Installation Sketch

From 7.5 kW



Model	DN1	DN2	a	w1	w2	L1	L2	m1	m2	m3	m4	n1	n2	h1	h2	4-S1	4-S2	B1	b	c1	c2	X	Bmax	Hmax	L
XZS80-50-200/92	80	50	314			265	70	146	210	260				320	160	200	4-Φ14.5	65	-	20	-				420
XZS80-50-200/110	80	50	314		212	280								320	160	200	4-Φ14.5	65	-	20	-	260	350		823
XZS100-80-160/92	100	80	321			280								320	160	200	4-Φ14	65	-	20	-	260	350		823
XZS100-80-160/110	100	80	321			280								320	160	200	4-Φ14	65	-	20	-	260	350		823
XZS100-65-200/150	100	65	334		581	95	155	310						314				60	14.5	-	20				440
XZS100-65-200/185	100	65	334		625	250	320	354						180	225			60	14.5	-	20				868
XZS100-65-200/220	100	65	334			95	155	310	241	279	355			180	225	4-Φ14.5		70	-	22	-	280	355	460	913

## Flange Dimensions



### PN16 FLANGES

DN	D	M	G	Holes N	Φ	Max. Thickness
Ø32	140	100	76	4	18	14
Ø40	150	110	84	4	18	14.5
Ø50	165	125	99	4	18	15
Ø65	185	145	118	4	18	16
Ø80	200	160	132	4	18	18



### PN16 FLANGES

DN	D	M	G	Holes N	Φ	Max. Thickness
Ø100	220	180	152	8	18	18