

XZS

Stainless Steel Standard Centrifugal Pump



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.

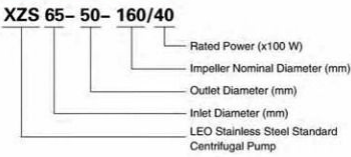
Operating Conditions

- 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: 10 bar
- Altitude: up to 1000 m
- Liquid PH value: 3 - 9
- Max. ambient temperature: +40°C

Motor

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

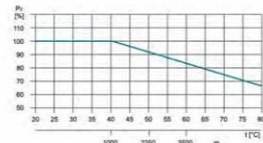
Identification Codes



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%.

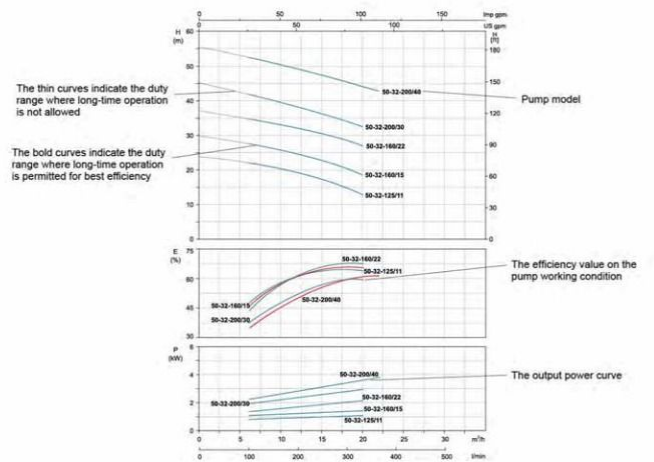


Materials Table

No.	Part	Material
1	Pump body	ANSI 304
2	Impeller	ANSI 304
3	Mechanical seal	SiC/Carbon
4	Rear cover	ANSI 304
5	Support	A17 200
6	Pump shaft	ANSI 304/304
7	Motor	



How to Read The Curve Charts



XZS

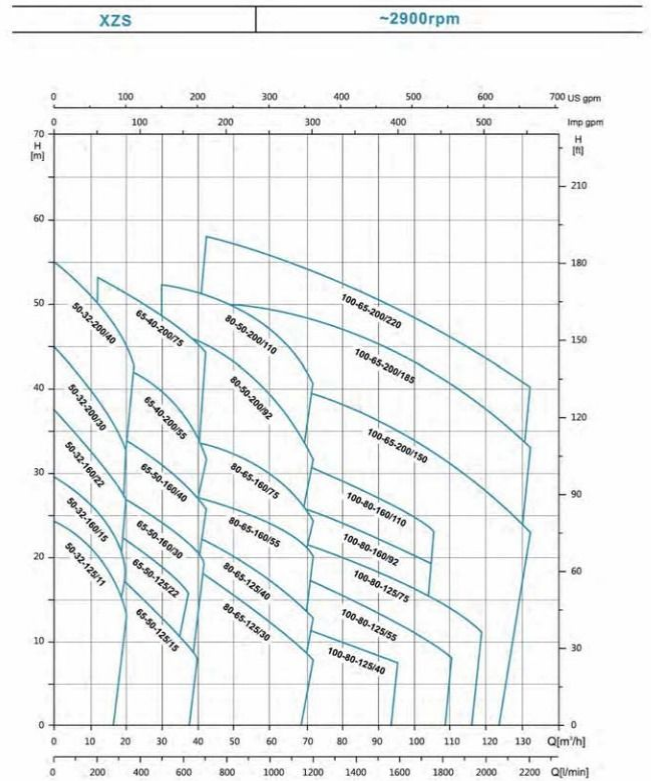
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Technical Data

MODEL	Power kW HP	Q (m³/h) Q (gpm)	Q-DELIVERY																					
			0	8	9	12	18	20	22	24	27	30	32	36	42	48	56	72	90	108	114	120	126	132
XZS60-32-12S11	1.1 1.5	24.0	21.5	20.5	19.5	18.0	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS60-32-160115	1.5 2	29.5	27.0	26.0	25.0	21.0	18.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS60-32-160122	2.2 3	37.0	33.5	32.5	32.0	28.5	27.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS60-32-200130	3 4	45.0	41.0	40.0	38.0	34.0	32.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS60-32-200140	4 5.5	55.0	51.0	50.0	49.0	46.0	45.0	43.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-12S115	1.5 2	20.0	-	-	19.0	18.0	17.0	16.5	15.0	14.0	12.5	10.0	-	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-12S122	2.2 3	26.0	-	-	23.5	22.5	22.0	21.5	21	20.5	19.5	18.5	-	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-160130	3 4	31.0	-	-	29.0	27.5	27.0	26.5	25.5	25.0	24.0	22.0	19.0	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-160140	4 5.5	39.0	-	-	35.5	34.5	34.0	33.5	32.5	32.0	31.0	29.0	26.0	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-200155	5.5 7.5	47.0	-	-	43.0	42.5	42.0	41.5	41.0	40.5	39.0	37.0	33.0	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-200175	7.5 10	57.0	-	-	53.0	52.5	52.0	51.0	50.0	49.0	48.0	46.5	44.5	-	-	-	-	-	-	-	-	-	-	-
XZS80-65-12S130	3 4	22.5	-	-	-	-	-	20.0	19.5	19.0	18.5	17.5	16.0	13.0	9.0	-	-	-	-	-	-	-	-	-
XZS80-65-12S140	4 5.5	25.5	-	-	-	-	-	23.0	22.5	22.0	21.5	20.5	20.0	17.0	13.5	-	-	-	-	-	-	-	-	-
XZS80-65-160155	5.5 7.5	33.0	-	-	-	-	-	29.5	29.0	28.5	28.0	27.0	26.0	24.0	20.0	-	-	-	-	-	-	-	-	-
XZS80-65-160175	7.5 10	39.0	-	-	-	-	-	36.0	35.0	34.5	34.0	33.5	32.5	29.0	24.0	-	-	-	-	-	-	-	-	-
XZS80-65-200192	9.2 12.5	53.0	-	-	-	-	-	-	48.0	47.5	46.5	44.5	39.5	34.0	-	-	-	-	-	-	-	-	-	-
XZS80-65-2001110	11 15	57.5	-	-	-	-	-	-	53.0	51.0	50.5	50.0	47.0	41.0	-	-	-	-	-	-	-	-	-	-
XZS100-80-12S140	4 5.5	20.0	-	-	-	-	-	-	17.5	16.5	15.5	14.0	12.0	7.0	-	-	-	-	-	-	-	-	-	-
XZS100-80-12S155	5.5 7.5	23.0	-	-	-	-	-	-	21.5	20.5	20.0	18.0	16.0	12.0	7.5	-	-	-	-	-	-	-	-	-
XZS100-80-12S175	7.5 10	29.0	-	-	-	-	-	-	27.5	26.5	25.5	23.5	21.5	17.5	13.0	12.0	-	-	-	-	-	-	-	-
XZS100-80-160192	9.2 12.5	33.0	-	-	-	-	-	-	31.0	30.0	29.0	26.0	23.0	-	-	-	-	-	-	-	-	-	-	-
XZS100-80-1601110	11 15	38.5	-	-	-	-	-	-	36.0	35.0	33.0	31.0	28.0	-	-	-	-	-	-	-	-	-	-	-
XZS100-65-2001150	15 20	47.0	-	-	-	-	-	-	44.0	43.0	41.0	39.0	36.0	32.0	30.0	28.0	26.0	23.0	-	-	-	-	-	-
XZS100-65-2001185	18.5 25	53.0	-	-	-	-	-	-	51.0	50.0	48.0	46.0	45.0	41.0	38.0	37.0	35.0	33.0	-	-	-	-	-	-
XZS100-65-2001220	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

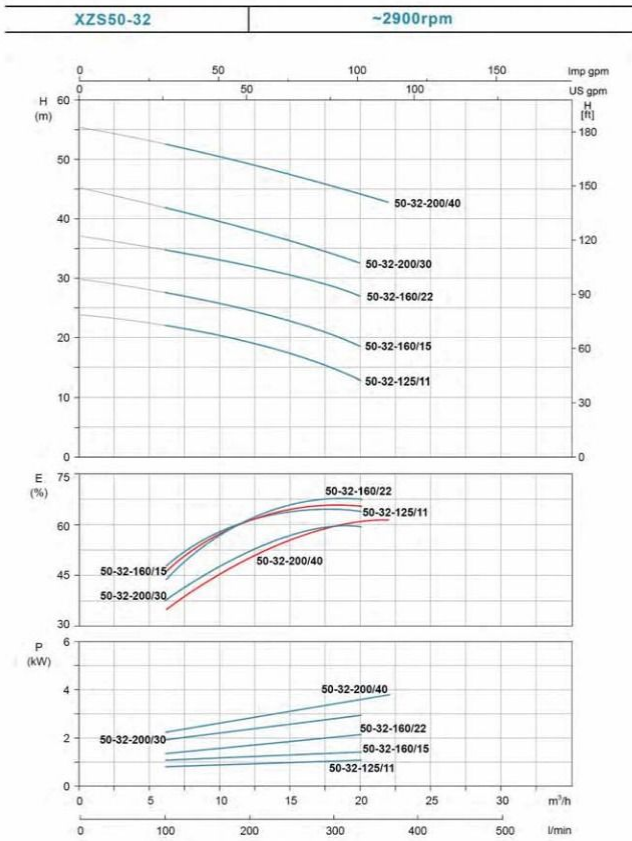


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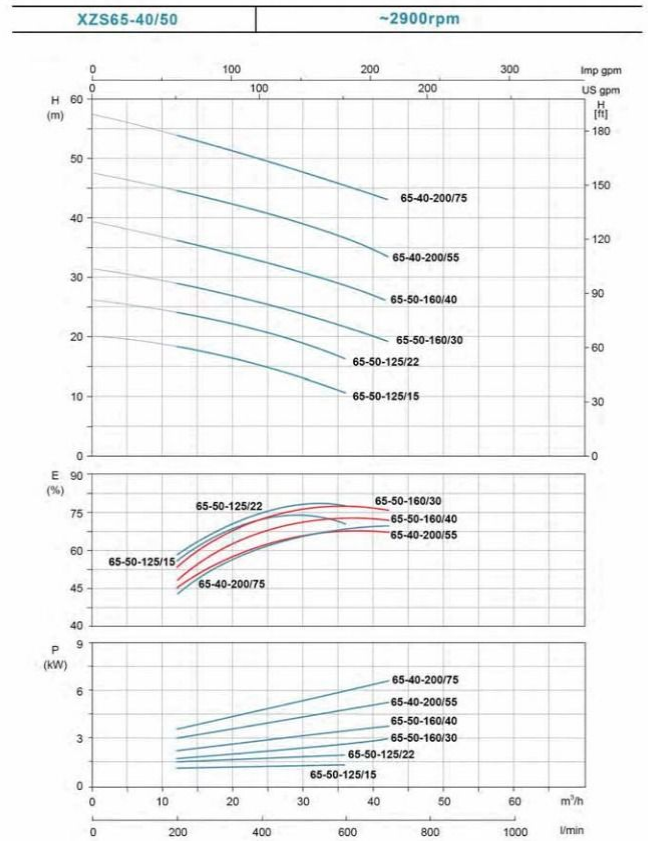
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Hydraulic Performance Curves



Hydraulic Performance Curves



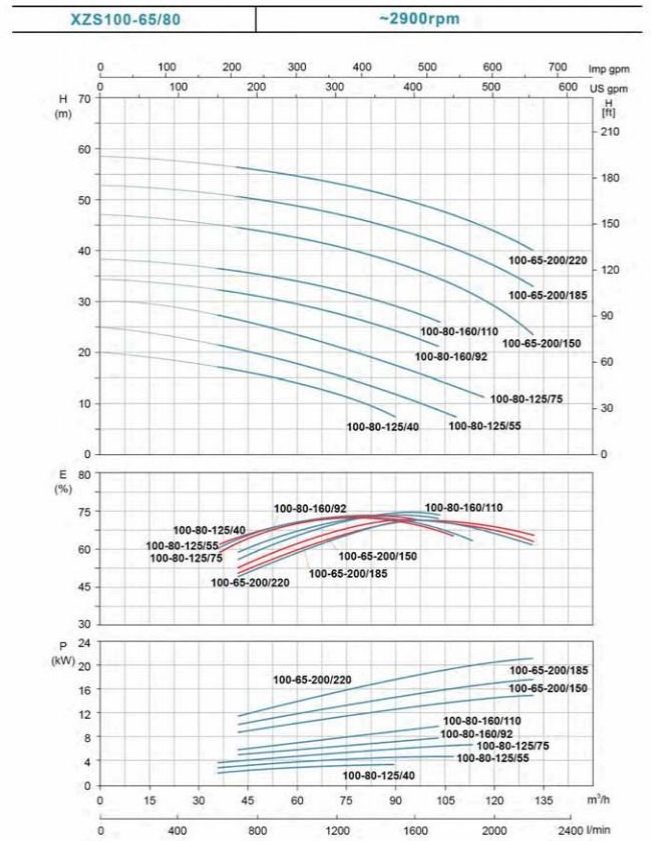
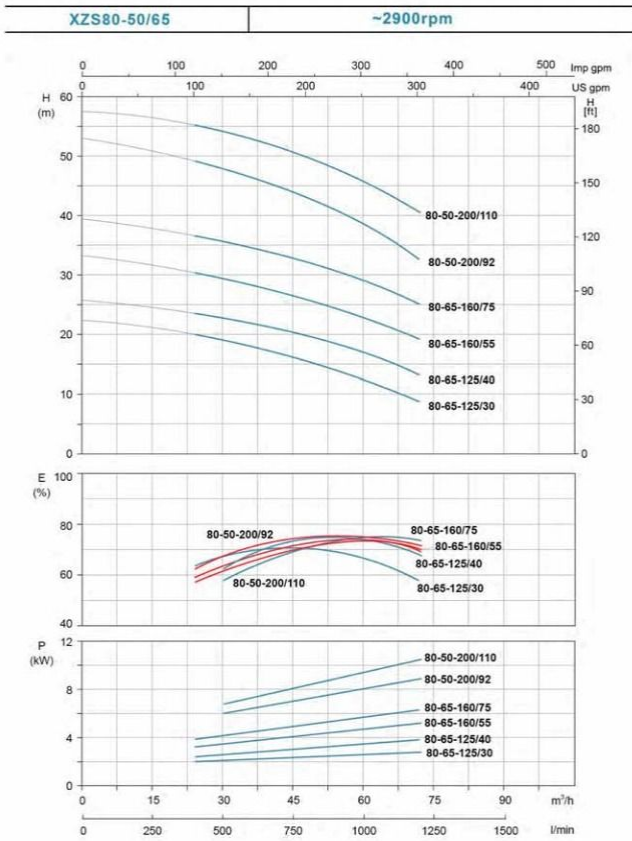
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Hydraulic Performance Curves

Hydraulic Performance Curves

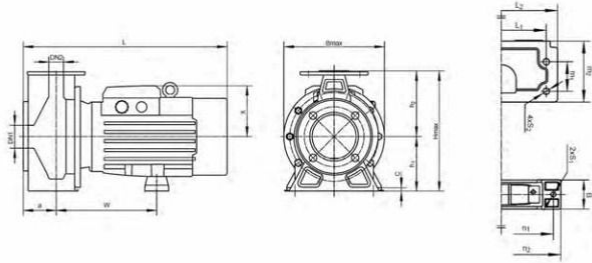


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Installation Sketch

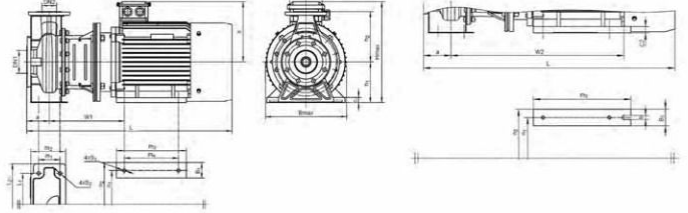
Up to 7.5 kW included



Model	DN1	DN2	a	w	L1	L2	m1	m2	n1	n2	n1	n2	Z-Ø12	I-Ø15	B	C	X	Bmax	Hmax	L									
XZS50-32-125/11	50	32	205	140	190	70	122	205	240	112	140	132	160	2-Ø12	4-Ø15	65	12	127	240	250	475								
XZS50-32-160/15			207	190	240														244	292	477								
XZS50-32-160/22			244	124	225														260	160	180	75	15	124	295	340	492		
XZS50-32-200/30			244	121	205														240	112	140	65	12	127	240	252	475		
XZS50-32-200/40	65	50	205	160	210	70	123	225	260	132	160	132	160	2-Ø12	4-Ø15	75	124	260	292	462									
XZS50-50-125/15			244	190	240																244	292	462						
XZS50-50-160/40	80	65	246	212	265	70	146	245	280	160	180	180	146	245	280	160	180	70	142	295	563								
XZS50-50-200/55			254	190	240														158	225	260	132	160	75	15	124	260	262	522
XZS50-50-200/75			254	190	240														158	225	260	132	160	75	15	124	260	262	522
XZS50-65-125/30			256	265	150														245	280	70	142	573						
XZS50-65-160/55	80	65	256	265	150	245	280	70	142	573																			
XZS50-65-160/75			256	265	150	245	280	70	142	573																			
XZS100-80-125/40	100	80	212	280	95	155	225	260	160	180	75	124	280	340	524														
XZS100-80-125/55			258	280	95	155	245	280	70	142	575																		
XZS100-80-125/75	258	280	95	155	245	280	70	142	575																				

Installation Sketch

From 7.5 kW



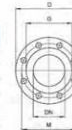
Model	DN1	DN2	a	w1	w2	L1	L2	m1	m2	m3	m4	n1	n2	n1	n2	4-Ø1	4-Ø2	B1	b	c1	c2	X	Bmax	Hmax	L								
XZS80-50-200/92	80	50	314			265	70	146	210	260															816								
XZS80-50-200/110	80	100			212	280																			420								
XZS100-80-180/92			321								260	210	254						4-Ø14							260	350	823					
XZS100-65-200/150	100	85			581	95	155	310																	440								
XZS100-65-200/185			625	250	320	354					314	180	225							60	14.5		20				868						
XZS100-65-200/220			334																						4-Ø14.5	70		22		280	355	460	913

Flange Dimensions



PN16 FLANGES

DN	D	M	G	H	N	P	Q	R	S	T	U	V	W	X	Y	Z
Ø12	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	H	N	P	Q	R	S	T	U	V	W	X	Y	Z
Ø100	220	180	152	8	18	18										