



### 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

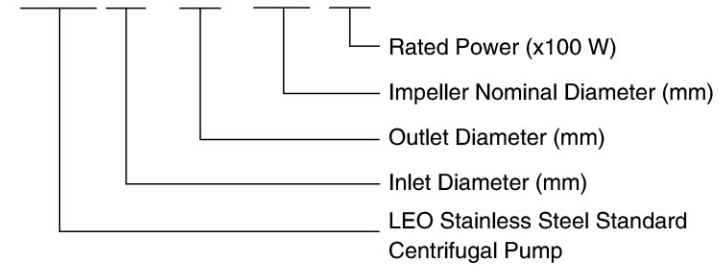
- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Liquid temperature: -15°C - +80°C
- Flow range: 0.7 - 132 m<sup>3</sup>/h
- Head range: 9 - 58 m
- Ambient temperature range: -15°C - +40°C
- Max. operation: 10 bar
- Altitude: up to 1000 m
- Liquid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

### Motor

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

### Identification Codes

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



### Accessories on Request



AISI304 Threaded flange



Flange gasket

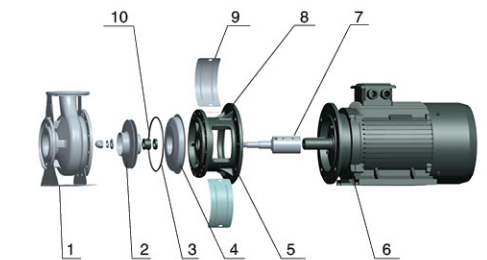
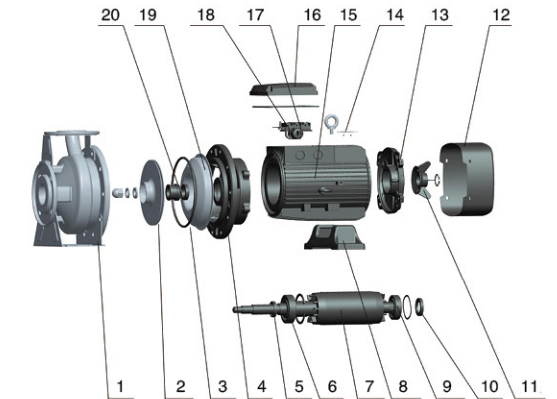
### Materials Table

#### 1.1kw~7.5kw

No.	Part	Material	No.	Part	Material
1	Pump body	06Cr19Ni10	11	Fan	PP
2	Impeller	06Cr19Ni10	12	Fan cover	08F
3	O-ring	NBR	13	Rear cover	ZL102
4	Support	HT200	14	Nameplate	06Cr19Ni10
5	Oil seal		15	Stator	
6	Bearing		16	Terminal cover	ZL102
7	Rotor		17	Terminal board	
8	Stand	HT200	18	Cable holder	
9	Bearing		19	Support cover	06Cr19Ni10
10	Oil seal		20	Mechanical seal	

#### 9.2kw~22kw

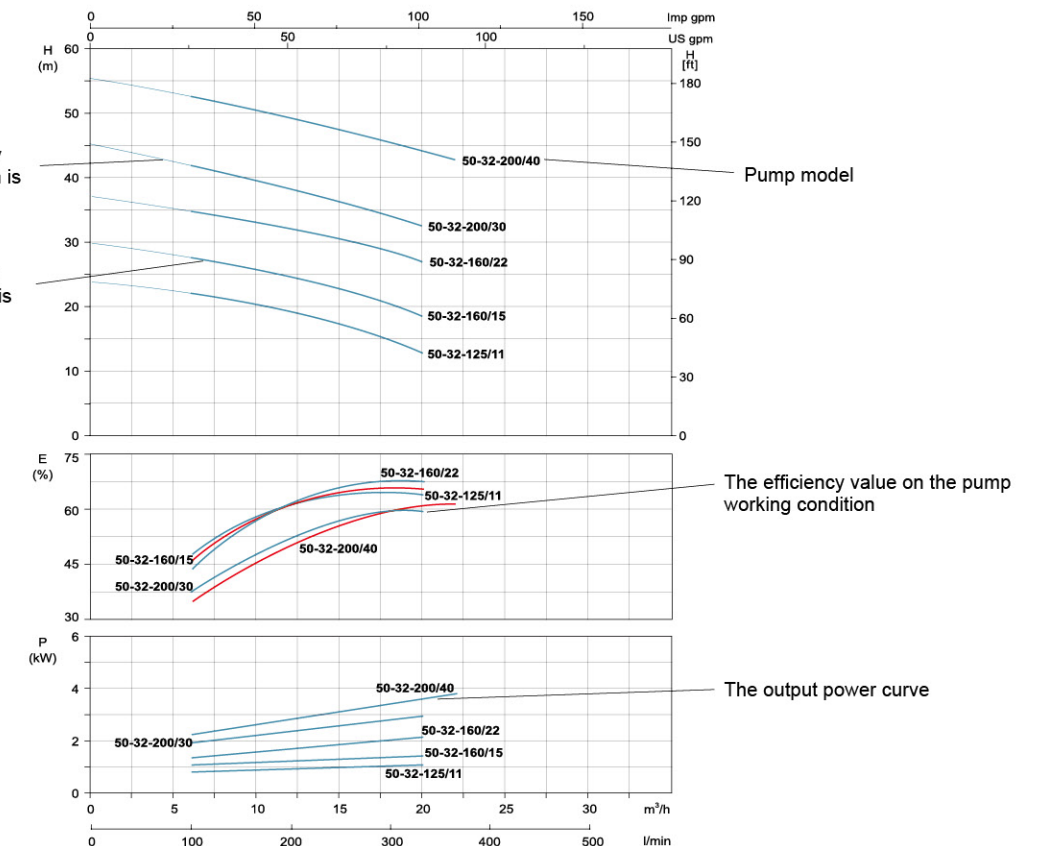
No.	Part	Material
1	Pump body	06Cr19Ni10
2	Impeller	06Cr19Ni10
3	O-ring	NBR
4	Support cover	06Cr19Ni10
5	Support	HT200
6	Motor	
7	Rotor	06Cr19Ni10/45
8	Nameplate	06Cr19Ni10
9	Guard plate	06Cr19Ni10
10	Mechanical seal	



### How to Read The Curve Charts

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

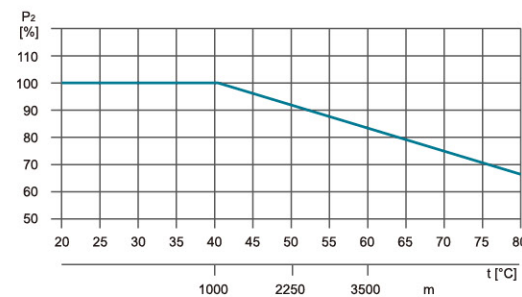
The bold curves indicate the duty range where long-time operation is permitted for best efficiency



### 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%.



**Technical Data**

MODEL		Power		Q (m³/h)	Q=DELIVERY																				
GB5662 Standard	EN733 Standard	kW	HP		0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132
				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		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	9.2	12.5		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	9.2	12.5		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**

