XZS

Stainless Steel Standard Centrifugal Pump



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. operation: 10 bar
- Altitude: up to 1000 m
- Liquid PH valve: 3 - 9
- Max.ambient temperature: +40℃

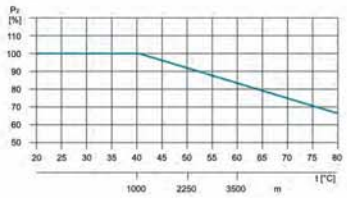
Motor

- IE 2 motor (IE 3 motor optional)
- 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

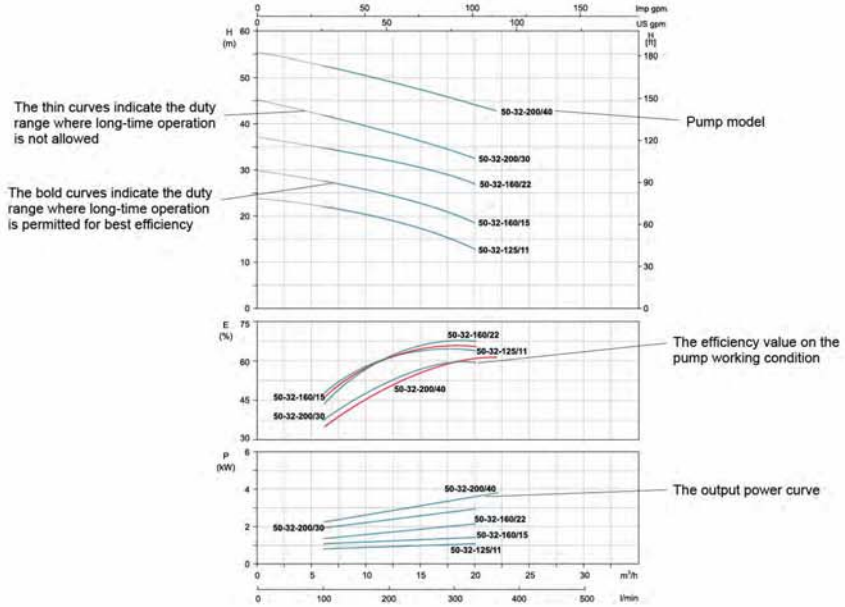
- Rated Power (x100 W)
- Impeller Nominal Diameter (mm)
- Outlet Diameter (mm)
- Inlet Diameter (mm)
- LEO Stainless Steel Standard Centrifugal Pump

Materials Table

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



How to Read The Curve Charts



XZS

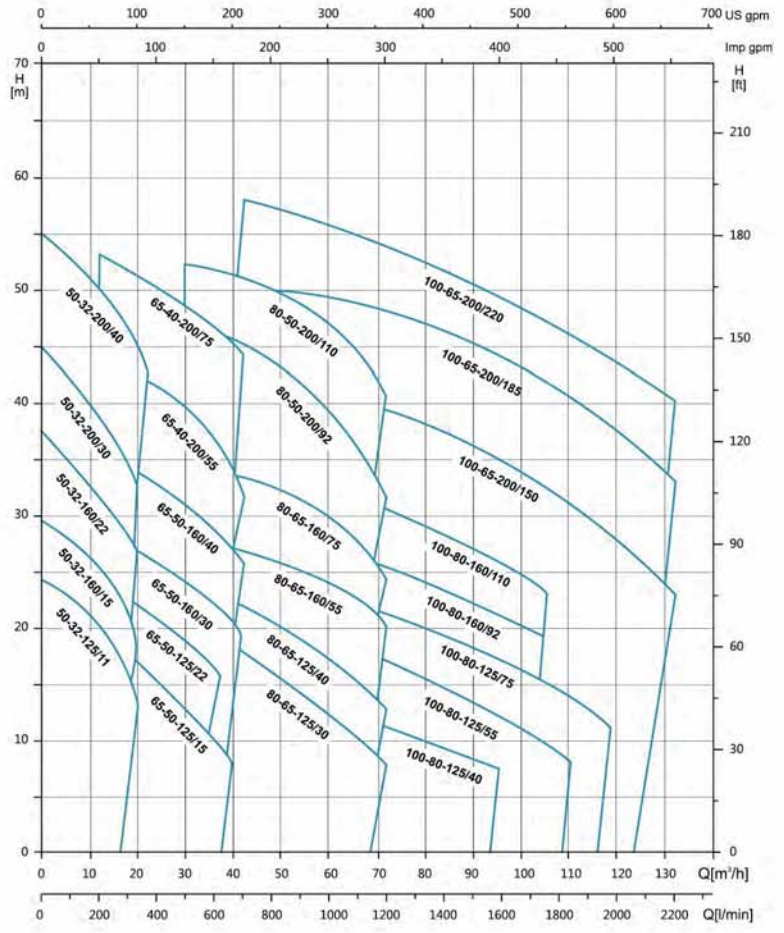
Stainless Steel Standard
Centrifugal Pump

Technical Data

MODEL	Power		Q (m³/h)	Q=DELIVERY																				
	kW	HP	Q (l/min)	0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132
				0	100	150	200	300	333	366	400	450	500	600	700	800	1000	1200	1500	1800	1900	2000	2100	2200
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	H (m)	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

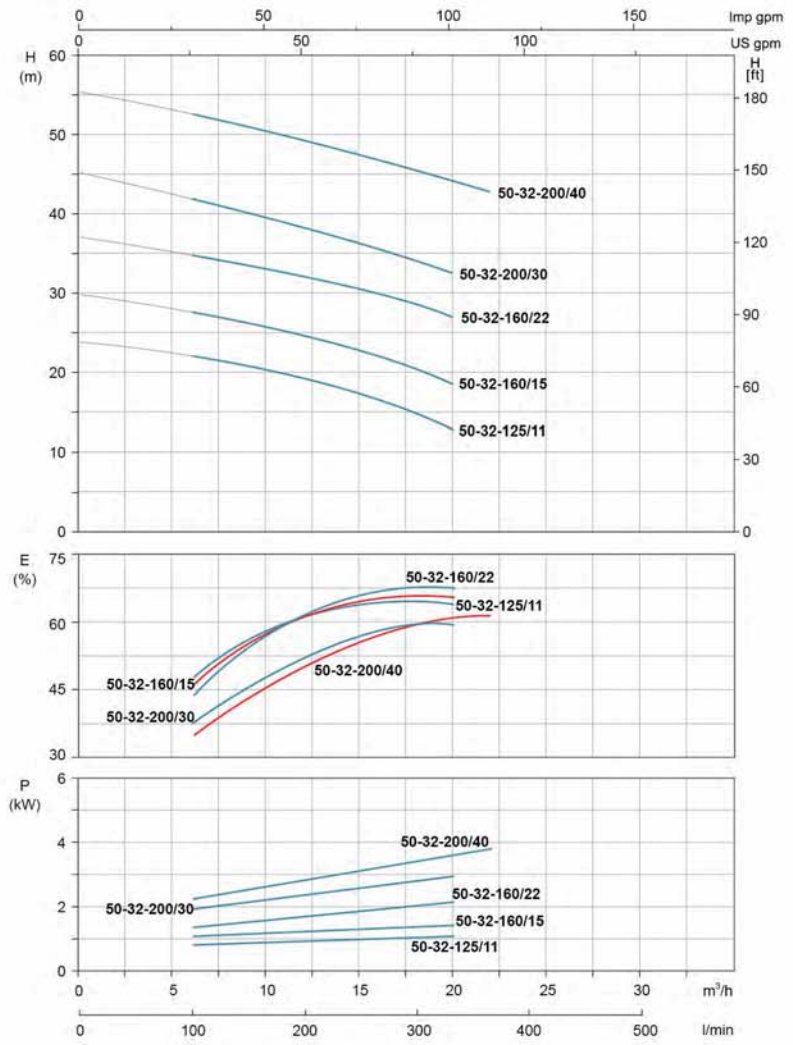
Characteristic Curves

XZS	~2900rpm



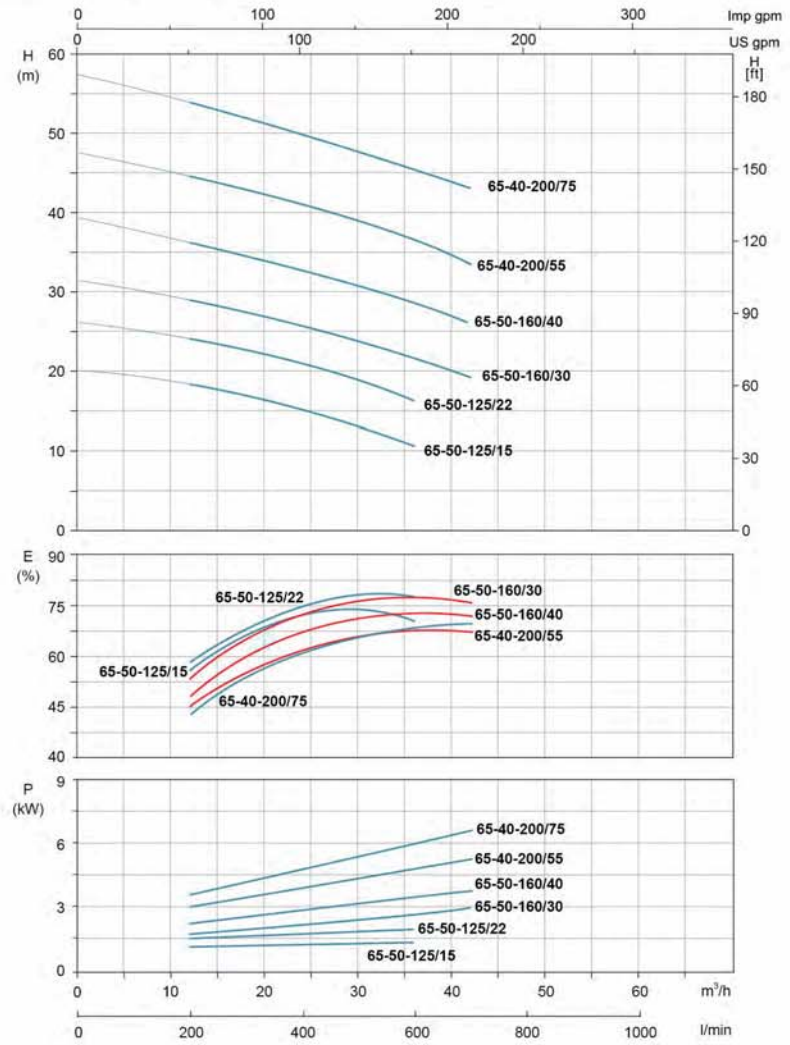
Hydraulic Performance Curves

XZS50-32	~2900rpm



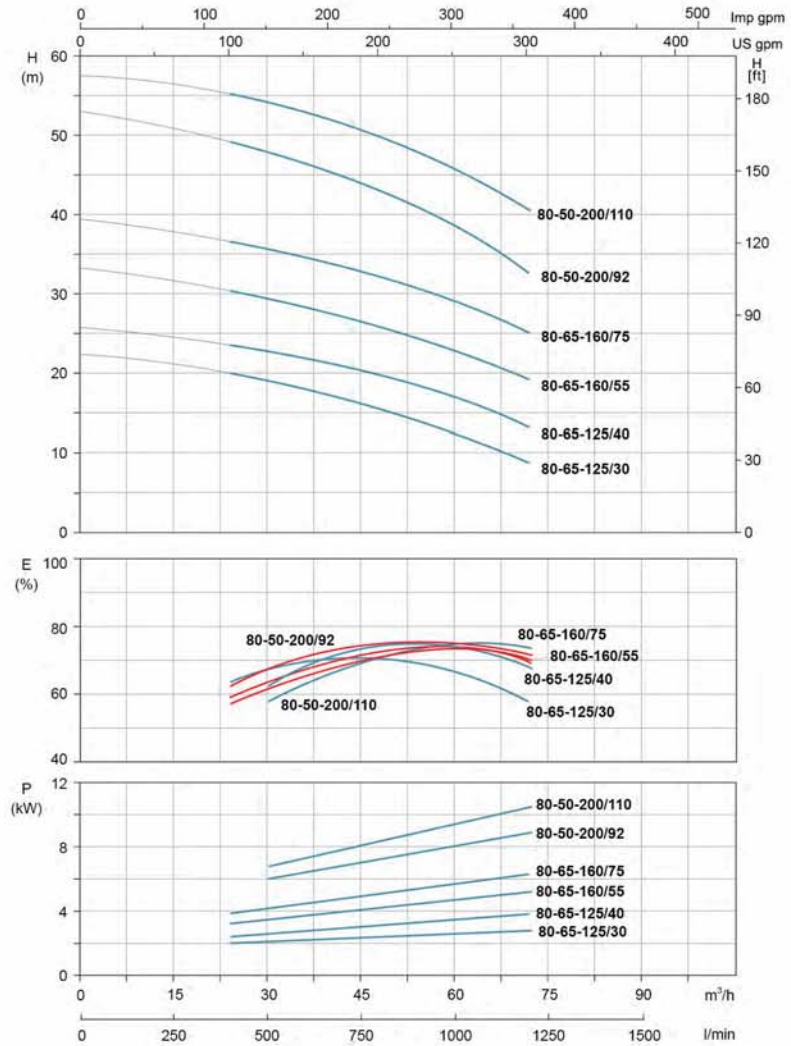
Hydraulic Performance Curves

XZS65-40/50	~2900rpm



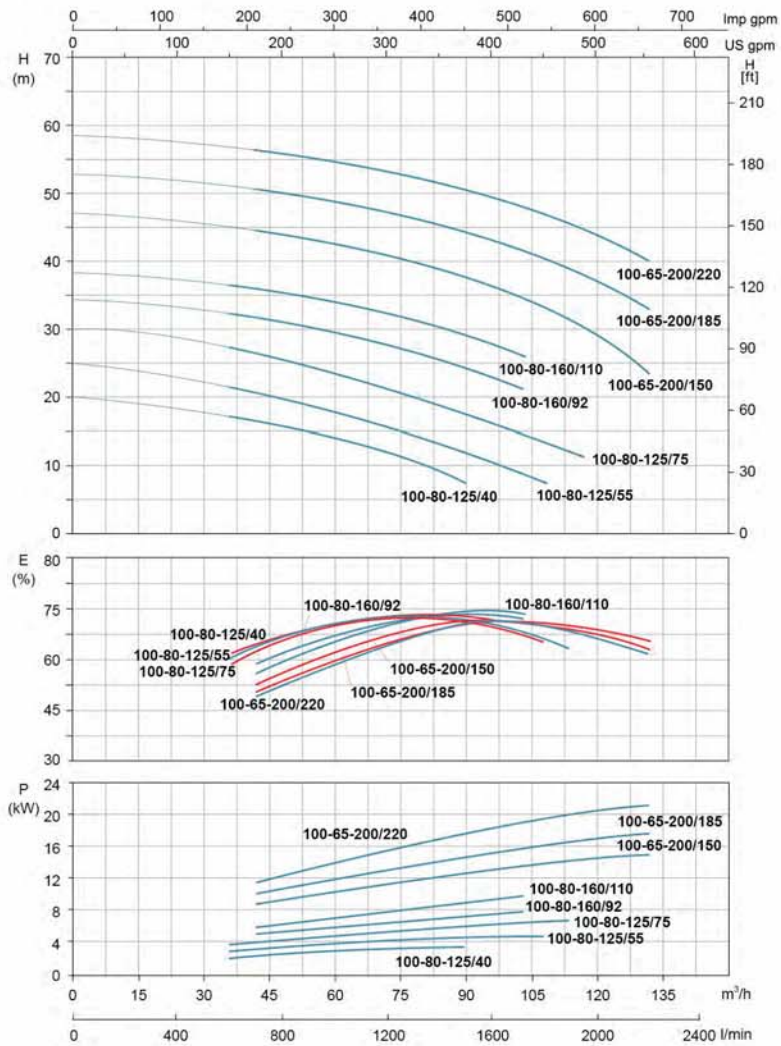
Hydraulic Performance Curves

XZS80-50/65	~2900rpm



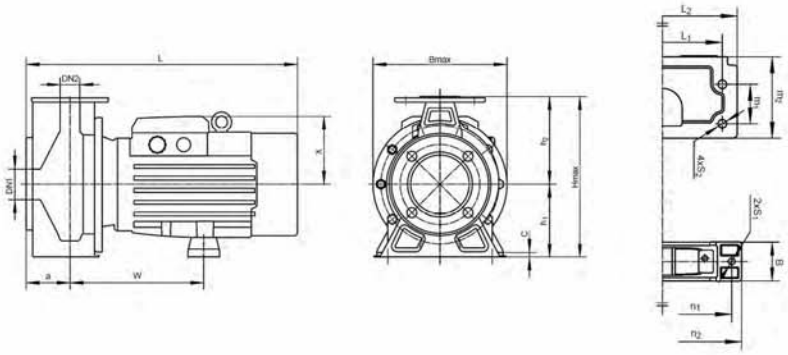
Hydraulic Performance Curves

XZS100-65/80	~2900rpm



Installation Sketch

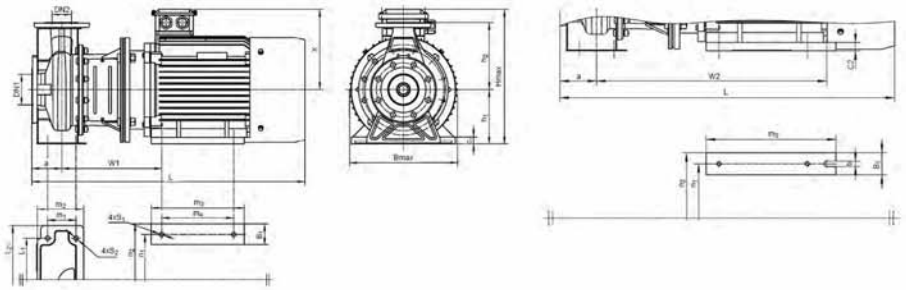
Up to 7.5 kW included



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	80	205	140	190	70	122	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	250	475
XZS50-32-160/15				207	190	240					132	160						244	292	477
XZS50-32-160/22																				
XZS50-32-200/30				244				124	225	260	160	180			75	15	124	295	340	492
XZS50-32-200/40																				
XZS65-50-125/15	65	50		205	160	210		121	205	240	112	140			65	12	127	240	252	475
XZS65-50-125/22																				
XZS65-50-160/30				244	190	240		123	225	260	132	160			75		124	260	292	492
XZS65-50-160/40																				
XZS65-40-200/55		40		246	212	265		146	245	280	160	180			70		142	295	340	563
XZS65-40-200/75																				
XZS80-65-125/30	80	65	100	254	190	240		158	225	260	132	160			75	15	124	260	292	522
XZS80-65-125/40																				
XZS80-65-160/55				256	212	265		150	245	280	160	180			70		142	280	340	573
XZS80-65-160/75																				
XZS100-80-125/40	100	80				280	95	155	225	260					75		124			524
XZS100-80-125/55				258					245	280					70		142			575
XZS100-80-125/75																				

Installation Sketch

From 7.5 kW



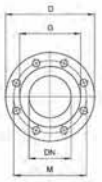
Model	DN1	DN2	a	w1	w2	L1	L2	m1	m2	m3	m4	n1	n2	h1	h2	4-S1	4-S2	B1	b	c1	c2	X	Bmax	Hmax	L
XZS80-50-200/92	80	50	100	314	-	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ14	65	-	20	-	260	350	420	816
XZS80-50-200/110																									823
XZS100-80-160/92	100	80		321			280	95	155	260	210														
XZS100-80-160/110																									
XZS100-65-200/150		65		-	581	250	320			310	-		314	180	225	-		60	14.5	-	20			440	868
XZS100-65-200/185					625					354															
XZS100-65-200/220				334	-					311	241	279	355			4-Φ14.5		70	-	22	-	280	355	460	913

Flange Dimensions



PN16 FLANGES

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