DZA(S) FLANGED

Stub-shaft pump

Applications

The DZA range of flanged end suction pumps are suitable for applications in irrigation, transfer and pressure boosting.
Pumped liquids include water containing < 0.001kg/l grit and liquids compatible with 304S/S.

Performance limits

Maximum working pressure:	10bar
Operating temperature range:	-20°C to +110°C
Mechanical seal construction:	Rotating face: Carbon
	Stationary face: Ceramic
	Secondary seal: Viton
Casing:	304S/S
Impeller:	304S/S
Shaft:	316L S/S

Symbols

Typical example:

DZA-65-40-160/4.0

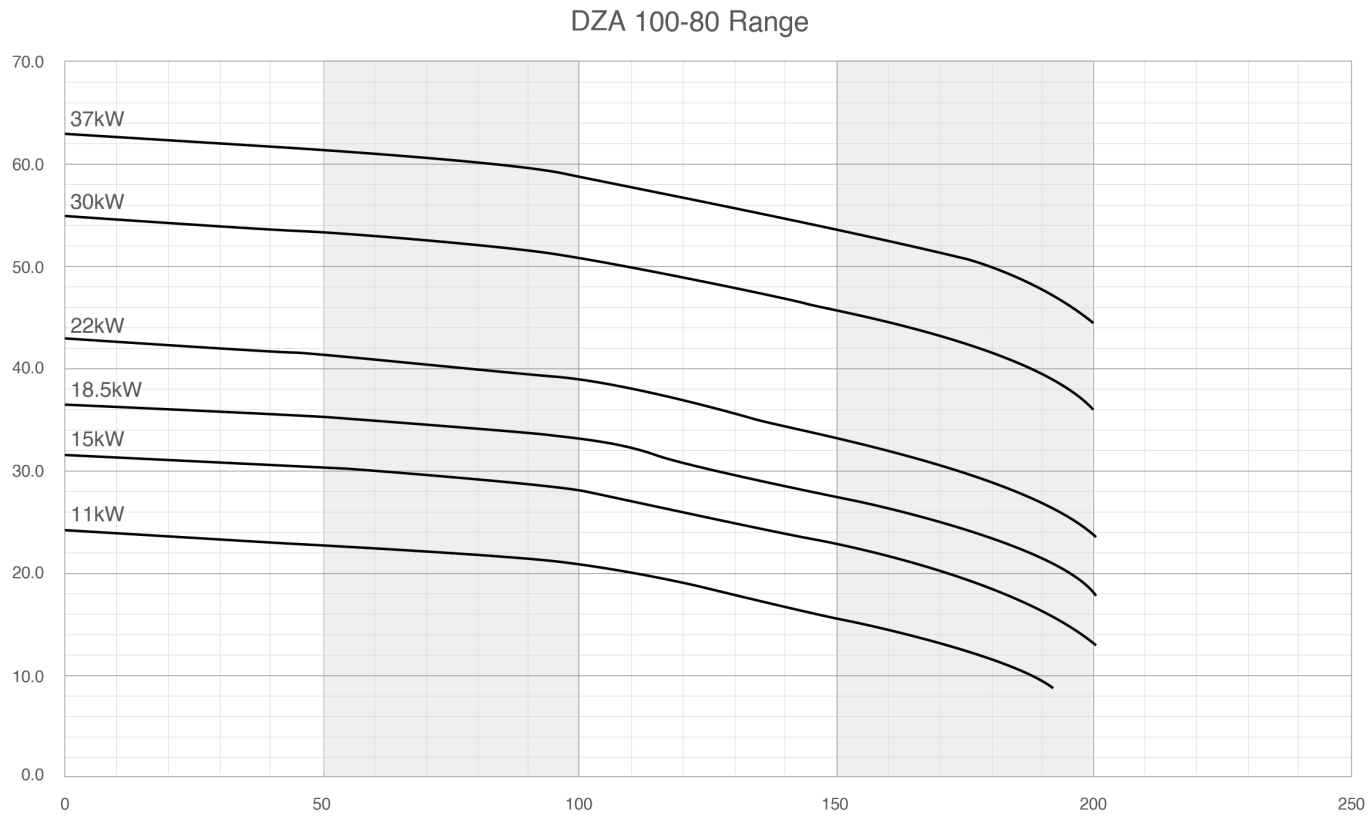
- DZA Flanged stub-shaft pump
- Diameter of suction (mm)
- Diameter of discharge (mm)
- Impeller's nominal diameter (mm)
- Motor power: 4.0 kW



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PERFORMANCE CURVES

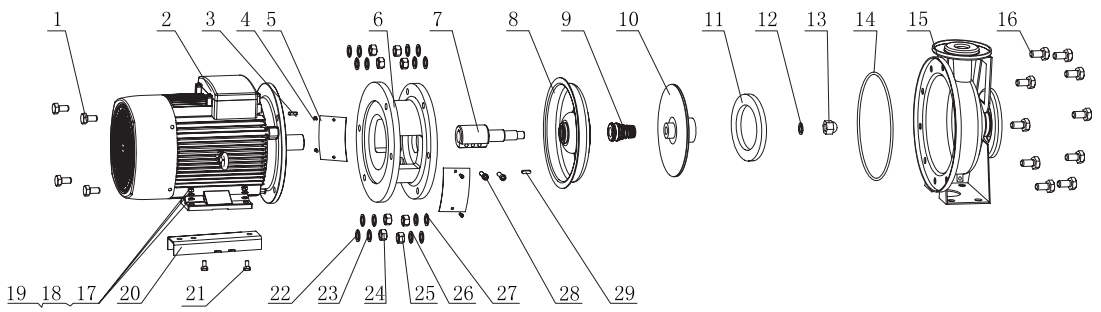
100 - 80 Range



Performance Data

MODEL	POWER	FLOW RATE (CUBIC METERS PER HOUR)								
	KW		0	60	100	120	140	160	180	192	200
100-80-160/11	11	HEAD (m)	24	22.5	21	19	17	15	12	9	
100-80-160/15	15		32	30	28	26	24	22	19	16	13
100-80-160/18.5	18.5		37	35	33	31	29	26	24	21	18
100-80-160/22	22		43	41	39	37	34	32	29	26	24
100-80-200/30	30		55	53	51	49	47	44	42	39	36
100-80-200/37	37		63	61	59	57	55	53	50	47	45

Exploded view

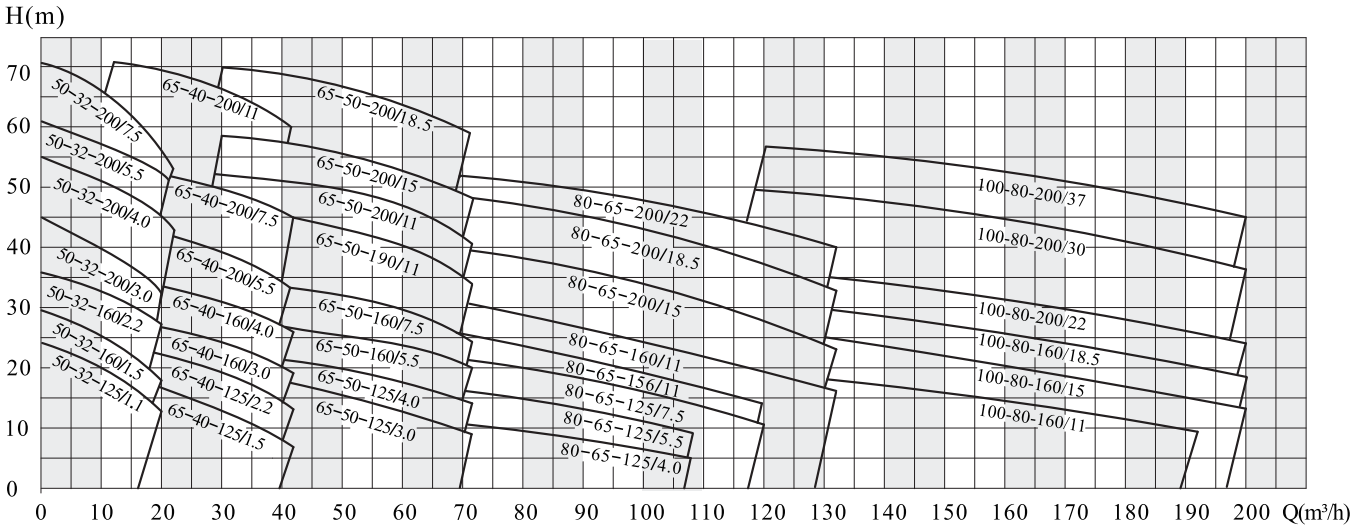


Parts List

NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	6	Bracket	11	Wear Ring	16	Bolt	21	Bolt	26	Spring Washer
2	Motor	7	Stub-Shaft	12	Spring Washer	17	Plain Washer	22	Plain Washer	27	Plain Washer
3	Key	8	Back Cover	13	Impeller Nut	18	Spring Washer	23	Spring Washer	28	Bolt
4	Bolt	9	Mechanical Seal	14	O Ring	19	Nut	24	Nut	29	Key
		10	Impeller	15	Casing	20	Motorbase	25	Nut		

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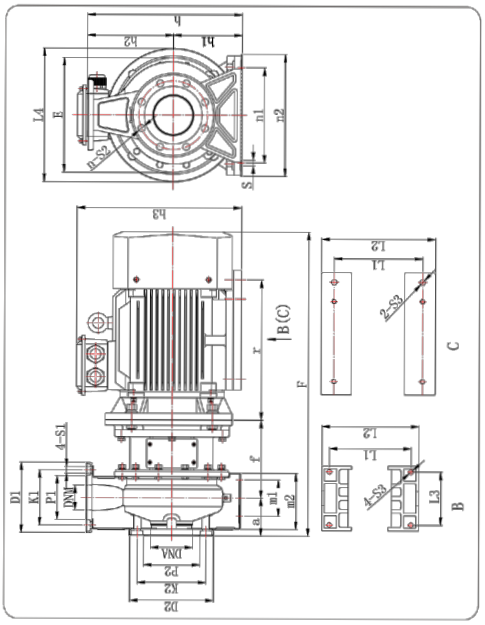
PERFORMANCE DATA

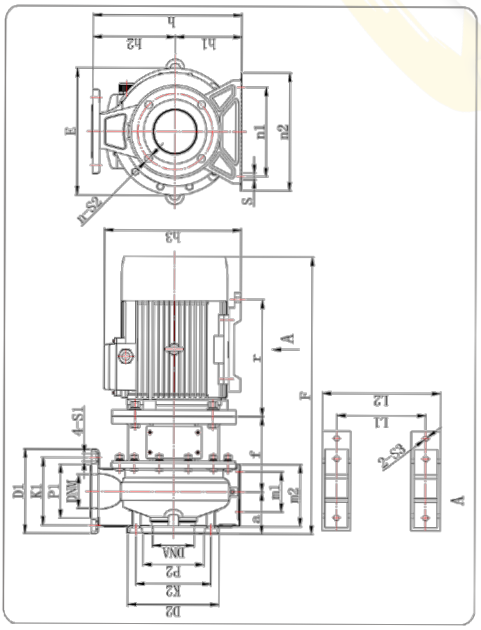


MODEL	CAPACITY AT BEST EFFICIENCY (m^3/h)	HEAD AT BEST EFFICIENCY (m)	PUMP EFFICIENCY (%)	EQUIPPED MOTOR POWER		VAPOUR LOSS COMPLEMENT NPSH(m)
				KW	HP	
50-32-125/1.1	12.5	20	61	1.1	1.5	2.0
50-32-160/1.5	10	25	56	1.5	2.0	
50-32-160/2.2	12.5	32	62	2.2	3.0	
50-32-200/3.0	10	40	48	3.0	4.0	
50-32-200/4.0	12.5	50	50.5	4.0	5.5	
50-32-200/5.5	12.5	57	50.5	5.5	7.5	
65-40-125/1.5	20	17	68	1.5	2.0	
65-40-125/2.2	25	20	74	2.2	3.0	
65-40-160/3.0	20	27	66	3.0	4.0	
65-40-160/4.0	25	32	66	4.0	5.5	
65-40-200/5.5	20	42	57	5.5	7.5	
65-40-200/7.5	25	50	62	7.5	10	
65-40-200/9.2	25	56.5	62	9.2	12.5	
65-50-125/3.0	40	18	70	3.0	4.0	2.5
65-50-125/4.0	50	20	74	4.0	5.5	
65-50-116/5.5	40	28	71	5.5	7.5	
65-50-160/7.5	50	32	72	7.5	10	
65-50-200/9.2	40	47	73	9.2	12.5	
65-50-200/11	50	50	72	11	15	
65-50-200/15	50	55	72	15	20	
80-65-125/4.0	75	11	72	4.0	5.5	3.5
80-65-125/5.5	75	15	74	5.5	7.5	
80-65-125/7.5	75	21	74	7.5	10	
80-65-160/9.2	100	21	74	9.2	12.5	4.0
80-65-160/11	100	26	74	11	15	
80-65-200/15	100	34	75	15	20	
80-65-200/18.5	100	43	75	18.5	25	
80-65-200/22	100	50	75	22	30	
100-80-160/11	160	14.5	68	11	15	6.0
100-80-160/1.5	160	21	75	15	20	
100-80-160/18.5	160	27	75	18.5	25	
100-80-200/22	160	32	79	22	30	
100-80-200/30	160	43.5	78	30	40	
100-80-200/37	160	52.2	82	37	50	

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Installation dimensions





MODEL	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	L1	L2	L3	L4	r	f	S3	D2	K2	P2	S2	n	D1	K1	P1	S1	DNA	DNM
DZA 50-32-125/1.1	209	444	252	112	140	221	80	70	122	140	190	15	125	165	-	-	186	128	12	165	125	99	18	4	140	100	76	18	50	32
DZA 50-32-160/1.5	244	488	292	132	160	254	80	70	123	190	240	15	140	186	-	-	212	130	12	165	125	99	18	4	140	100	76	18	50	32
DZA 50-32-160/2.2	244	488	292	132	160	254	80	70	123	190	240	15	140	186	-	-	212	130	12	165	125	99	18	4	140	100	76	18	50	32
DZA 50-32-200/3.0	295	547	340	160	180	287	80	70	124	190	240	15	160	212	-	-	248	142	12	165	125	99	18	4	140	100	76	18	50	32
DZA 50-32-200/4.0	295	527	340	160	180	309	80	70	124	190	240	15	190	252	-	-	255	142	12	165	125	99	18	4	140	100	76	18	50	32
DZA 50-32-200/5.5	295	527	340	160	180	309	80	70	124	190	240	15	190	252	-	-	255	142	12	165	125	99	18	4	140	100	76	18	50	32
DZA 65-40-125/1.5	209	486	252	112	140	234	80	70	121	160	210	15	140	211	-	-	214	128	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-125/2.2	209	486	252	112	140	234	80	70	121	160	210	15	140	211	-	-	214	128	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-160/3.0	244	547	292	132	160	259	80	70	123	190	240	15	160	212	-	-	248	142	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-160/4.0	244	527	292	132	160	281	80	70	123	190	240	15	190	252	-	-	255	142	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-200/5.5	300	644	340	160	180	327	100	70	146	212	265	15	216	286	-	-	278	165	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-200/7.5	300	644	340	160	180	327	100	70	146	212	265	15	216	286	-	-	278	165	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-40-200/9.2	300	644	340	160	180	327	100	70	146	212	265	15	216	286	-	-	278	165	12	185	145	118	18	4	150	110	84	18	65	40
DZA 65-50-125/3.0	250	577	292	132	160	259	100	70	148	190	240	15	160	212	-	-	245	152	12	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-125/4.0	250	557	292	132	160	281	100	70	148	190	240	15	190	252	-	-	255	152	12	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-160/5.5	300	644	340	160	180	327	100	70	150	212	265	15	216	286	-	-	278	165	12	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-160/7.5	300	644	340	160	180	327	100	70	150	212	265	15	216	286	-	-	278	165	12	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-200/9.2	300	651	360	160	200	327	100	70	146	212	265	15	216	286	-	-	278	172	12	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-200/11	300	792	360	160	200	411	100	70	146	212	265	15	254	314	210	-	318	198	15	185	145	118	18	4	165	125	99	18	65	50
DZA 65-50-200/15	300	792	360	160	200	411	100	70	146	212	265	15	254	314	210	-	318	198	15	185	145	118	18	4	165	125	99	18	65	50
DZA 80-65-125/4.0	245	556	340	160	180	309	100	95	155	212	280	15	190	252	-	-	255	151	12	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-125/5.5	245	644	340	160	180	327	100	95	155	212	280	15	216	286	-	-	278	164	12	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-125/7.5	245	644	340	160	180	327	100	95	155	212	280	15	216	286	-	-	278	164	12	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-160/9.2	301	658	360	160	200	327	100	95	155	212	280	15	216	286	-	-	278	179	12	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-160/11	301	800	360	160	200	412	100	95	155	212	280	15	254	314	210	333	318	205	15	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-200/15	301	800	405	180	225	432	100	95	155	250	320	15	254	348	-	333	368	205	15	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-200/18.5	301	840	405	180	225	432	100	95	155	250	320	15	254	348	-	333	410	205	15	200	160	132	18	8	185	145	118	18	80	65
DZA 80-65-200/22	301	881	405	180	448	432	100	95	155	250	320	15	254	348	-	362	410	205	15	200	160	132	18	8	185	145	118	18	80	65