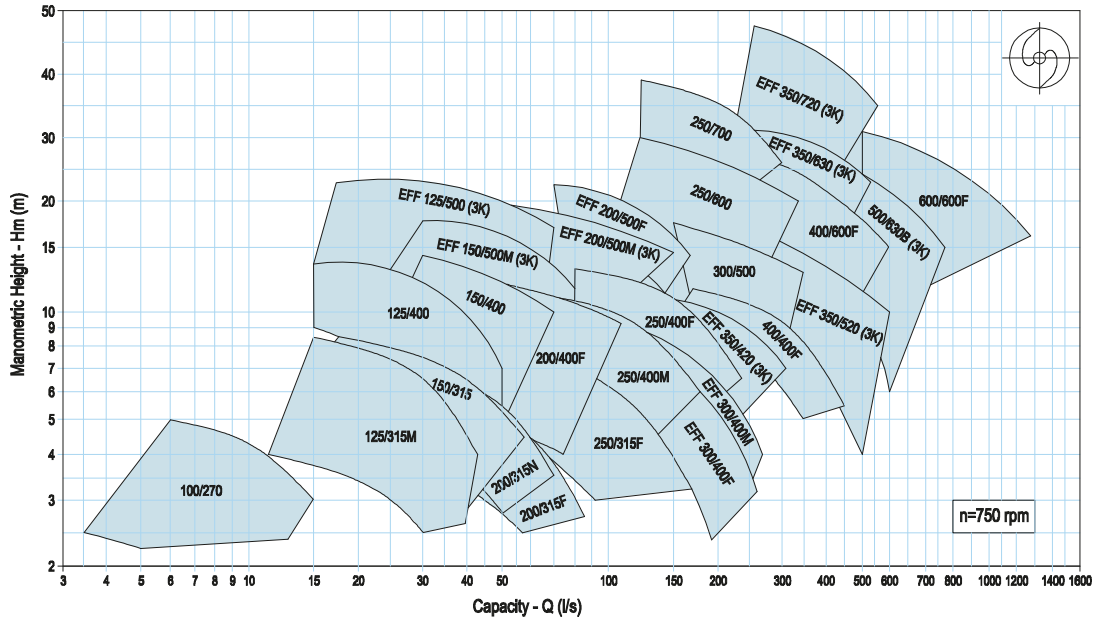
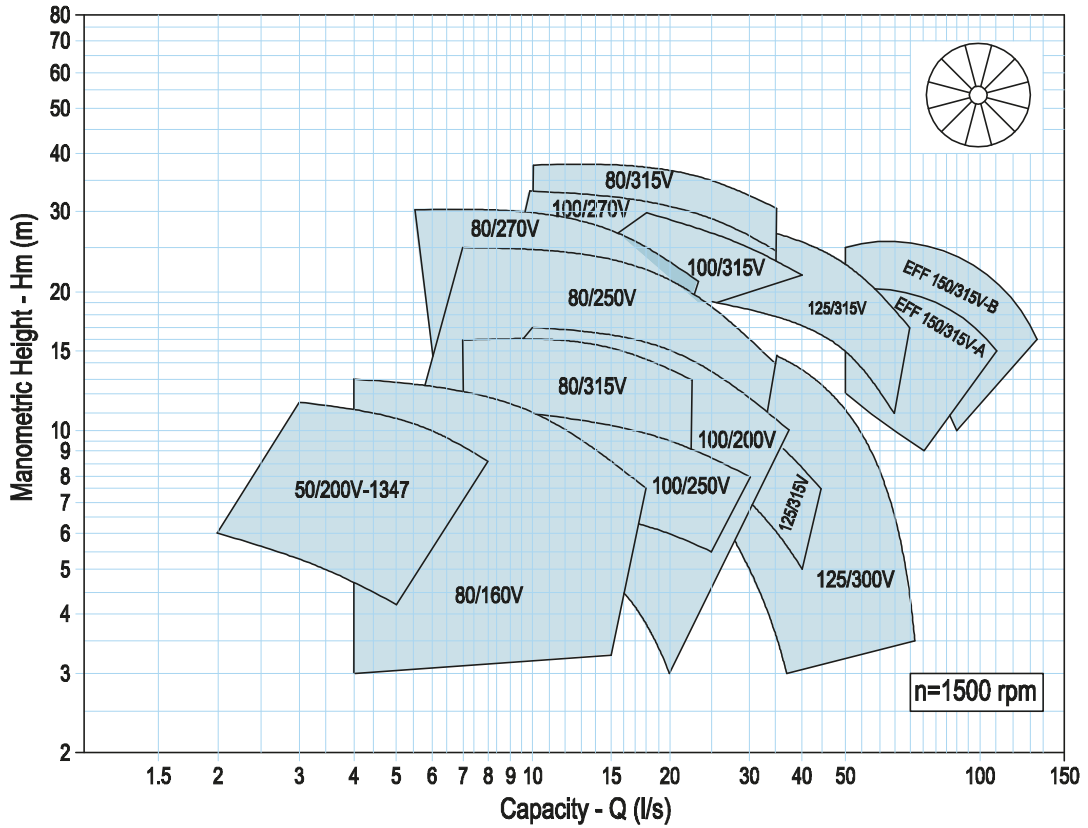


**CAP / DAC-SC / DAS SERIES PUMPS GROUP
PERFORMANCE CURVES**

SEWAGE (DOUBLE VANE) PUMPS PERFORMANCE CURVES



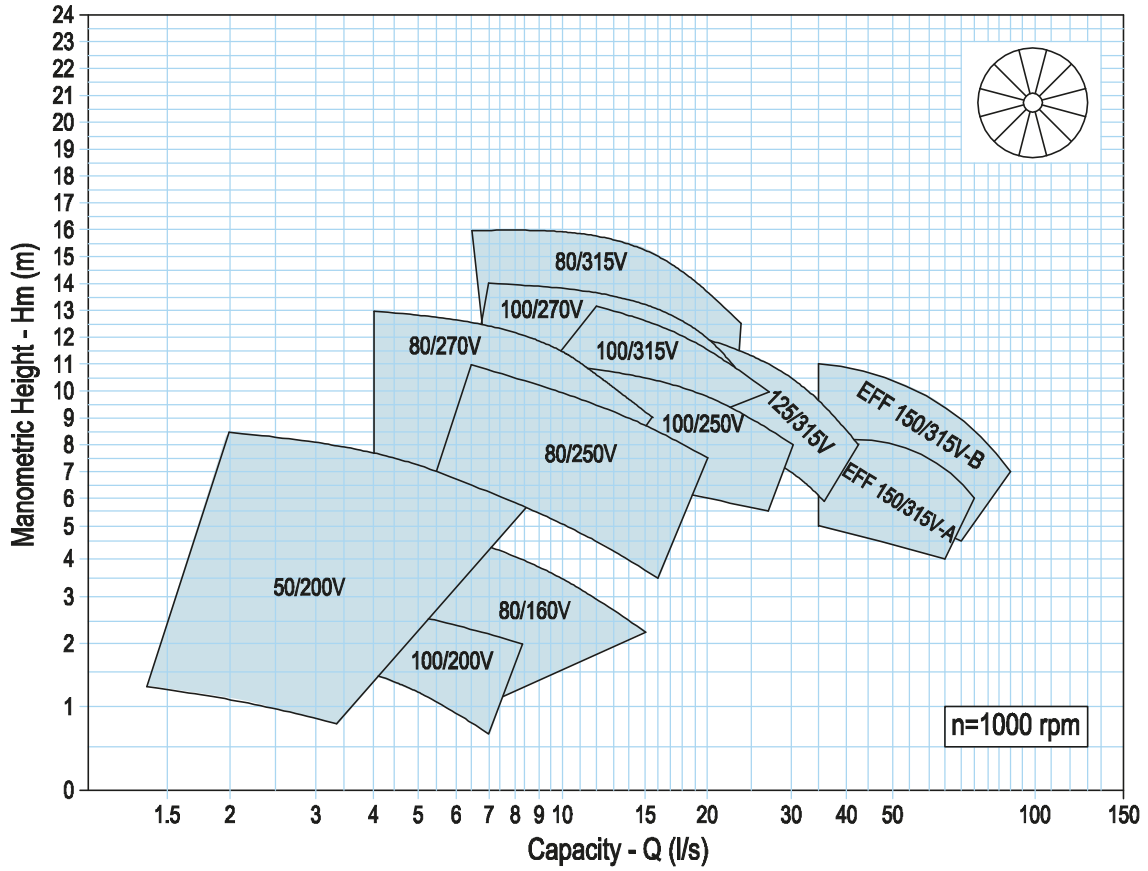
SEWAGE (VORTEX) PUMPS PERFORMANCE CURVES



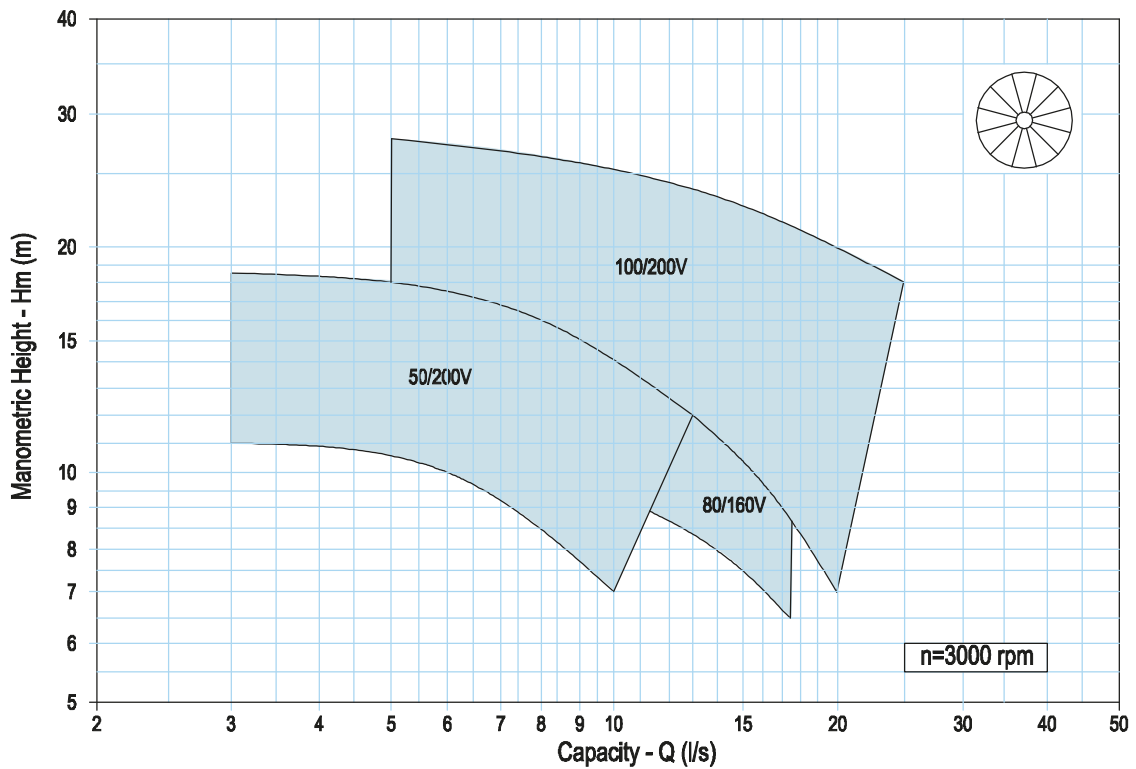
NOTE:
Group performance charts for 2 vane impellers. 3 vane impellers indicated with "3K"

**CAP / DAC-SC / DAS SERIES PUMPS GROUP
PERFORMANCE CURVES**

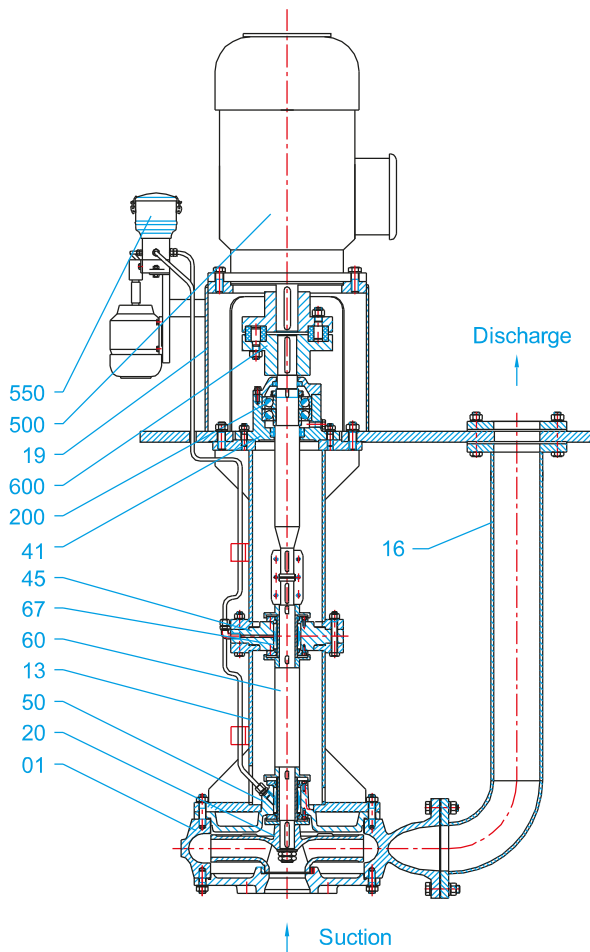
SEWAGE (VORTEX) PUMPS PERFORMANCE CURVES (n=1000 rpm)



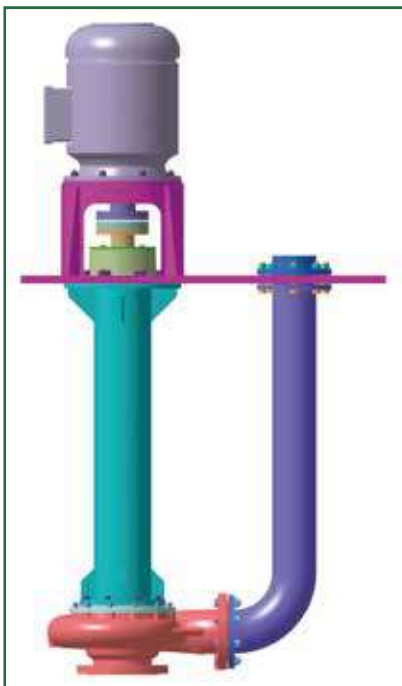
SEWAGE (VORTEX) PUMPS PERFORMANCE CURVES (n=3000 rpm)



CAP - VY SERIES PUMPS SECTIONAL DRAWING AND PARTS LIST

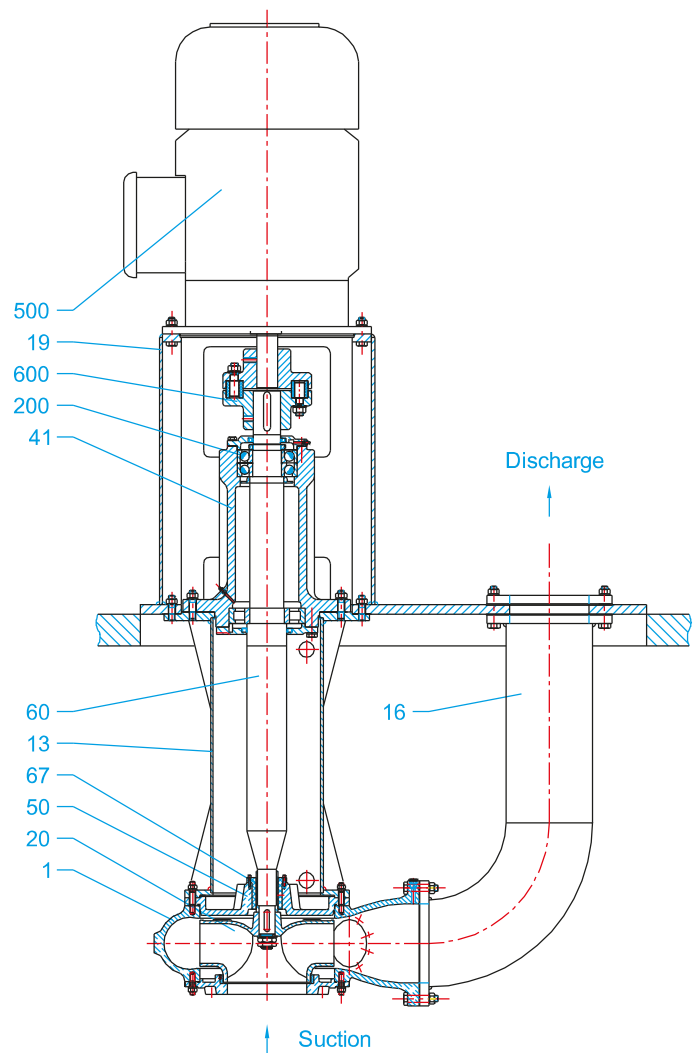


PUMP WITH GREASE LUBRICATED SLEEVE BEARING



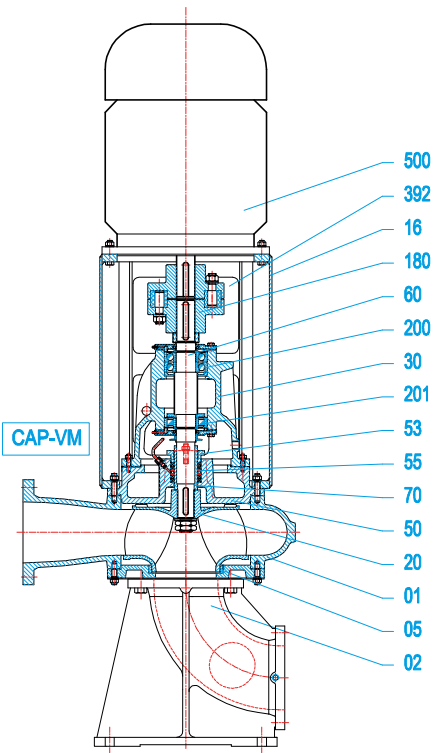
CAP-VY SERIES PUMP PARTS LIST

01	Volute
13	Column Pipe
16	Discharge Pipe
19	Motor Stool
20	Impeller
41	Thrust Bearing
45	Intermediate Bearing
50	Stuffing Box
60	Shaft
67	Bearing Sleeve
200	Bearing
500	Electrical Motor
550	Grease Pump
600	Coupling



PUMP WITH SELF LUBRICATED RUBBER SLEEVE BEARING

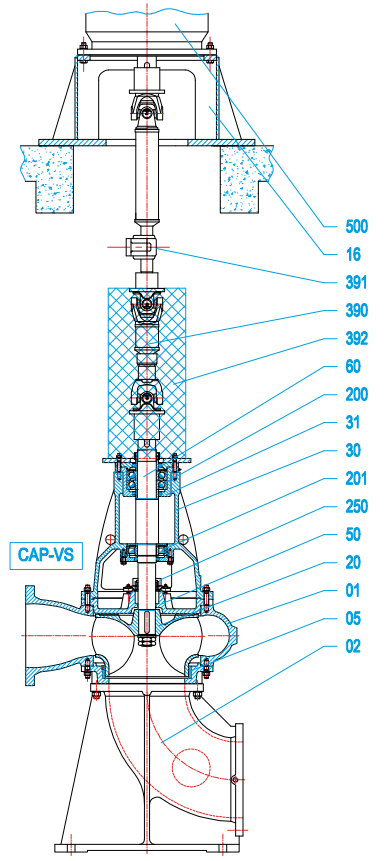
CAP - HK AND VM SERIES PUMPS SECTIONAL DRAWINGS AND PARTS LIST



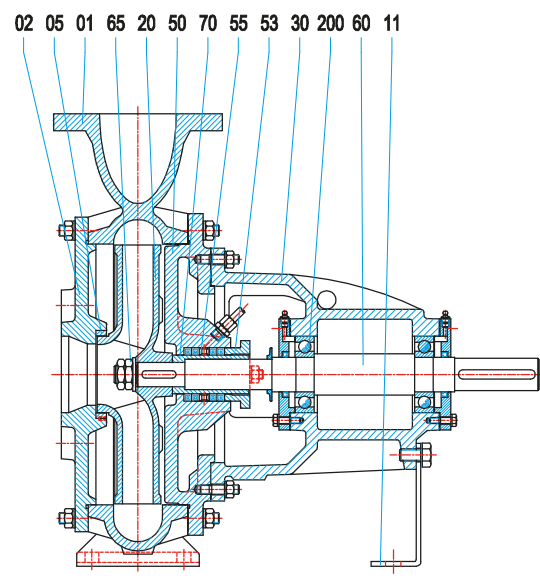
CAP-VM VERTICAL MONOBLOCK
FORM (A)

CAP-VM & CAP-VS SERIES PUMP PARTS LIST

01	Volute
02	Suction Bend
05	Wear Ring
16	Motor Stool
20	Impeller
30	Bearing Frame
31	Bearing Housing
50	Stuffing Box
53	Gland
55	Lantern Ring
60	Shaft
70	Shaft Sleeve
180	Coupling (CAP-VM)
200	Bearing (73....)
201	Bearing (NU....)
250	Mechanical Seal
390	Cardan Shaft (CAP-VS)
391	Intermediate Bearing (CAP-VS)
392	Safety Guard
500	Electric Motor



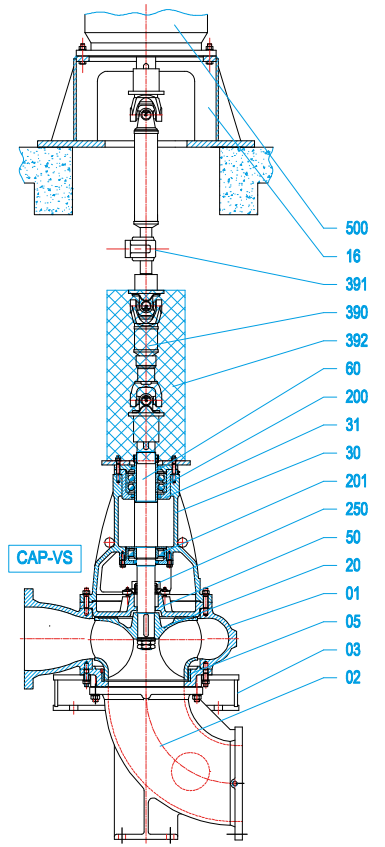
CAP-VS VERTICAL CARDAN SHAFT DRIVEN
FORM (A)



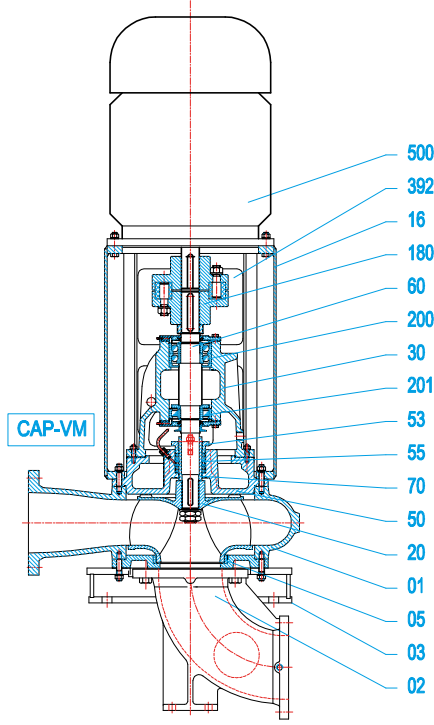
CAP-HK HORIZONTAL PUMP
CAP-HK

CAP-VM & CAP-VS SERIES PUMP PARTS LIST

01	Volute
02	Suction Elbow
03	Pump Stool
05	Wear Ring
16	Motor Stool
20	Impeller
30	Bearing Frame
31	Bearing Housing
50	Stuffing Box
53	Gland
55	Lantern Ring
60	Shaft
70	Shaft Sleeve
180	Coupling (CAP-VM)
200	Bearing (73....)
201	Bearing (NU....)
250	Mechanical Seal
390	Cardan Shaft (CAP-VS)
391	Intermediate Bearing (CAP-VS)
392	Safety Guard
500	Electric Motor

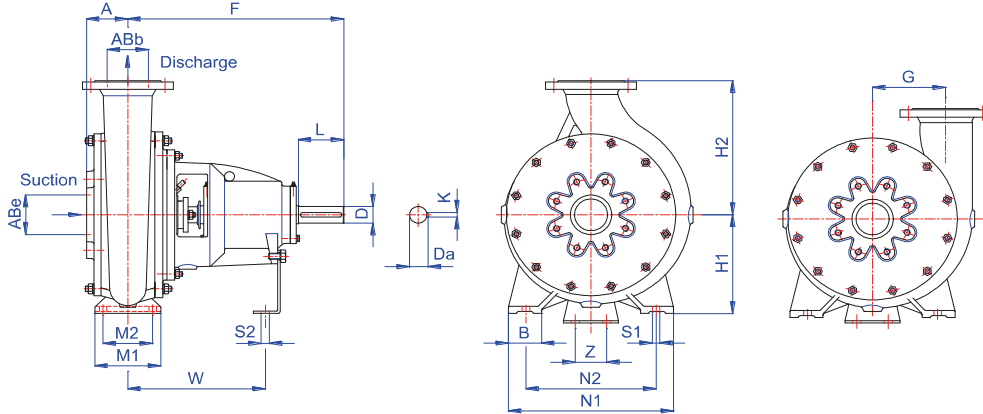


CAP-VS VERTICAL CARDAN SHAFT DRIVEN
FORM (B)



CAP-VM VERTICAL MONOBLOCK
FORM (B)

CAP - HK SERIES HORIZONTAL DRY INSTALLATION SEWAGE PUMPS DIMENSIONS TABLE

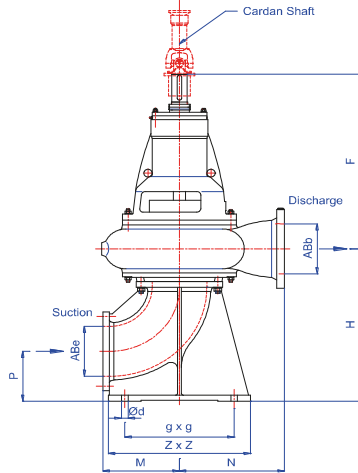


PUMP TYPE	Discharge ABb-PN10	Suction ABe-PN10	A	F	H1	H2	B	M1	M2	N1	N2	S1	D	Da	K	L	W	Z	S2	G				
80/250	80	80	80	487	200	280	80	125	85	360	280	M16	32	35	10	80	305	100	M12	-				
EFF 80/260		125	125	555	250			160	100	315	M12	42	45	12	110	371	150	-						
80/270		80	61	472	225	235		125	85	400	320	M16	42	45	12	110	370	160		-	135			
80/315		73	555	250	340	85		120	475	400			42	45	12	110	370			-				
EFF 80/320		125	125	555	225	300		80	160	100	320		160	M12	32	35	10			80	330	-		
100/250		100	78	493					250	120					42	45	12			110	340	-		
100/250NP		125	100	500	190	290		240	80	160	320		160	M12	32	35	10			80	340	-		
EFF 100/260		150	150	550	250	300		160	120	42					45	12	110			365	-			
100/315		100	100	523	340	80		160	120	42	45		12	110	333	-								
EFF 100/320		150	140	580	275	120		200	150	550	400		M20	42	45	12	110			369	150	-		
100/400		100	104	553	315				367	150	550		400	M20	38	41	10			110	378	150	-	
EFF 100/400		150	170	562	315	400		120	150	550	400		M20	M20	38	41	10			110	378	150	-	
EFF 100/400NP	150	170	562	315	400	120	150	550	400	M20	-													
125/250	125	125	120	475	250	315	100	160	120	400	315		M16	32	35	10	80		335	100	M12	-		
125/300			116	529	288	335		200	500	400	42	45		12	110	398	150	-						
125/315			83	557	280	315		200	500	400	42	45		12	110	373	150	-						
125/400			107	559	315	370		250	550	450	60	64		18	140	480	190	-						
EFF 125/500		150	160	720	355	450		250	550	450	60	64	18	140	480	190	-							
150/250		150	200	159	577	280		355	200	150	500	400	M20	42	45	12	110	405	15	-				
150/315				118	569	255		380						200	550	450	42	45	12	110	385	100	-	
EFF 150/315				180	570	315		400						200	550	450	52	56	16	110	420	150	-	
150/400				112	630	315		400						200	550	450	38	41	10	110	370	120	-	
150/380NP			200	130	550	315		450		100	150	100	500	415	38	41	10	110	370	120	-			
EFF 150/410			200	175	640	350		450		100	200	150	550	450	52	56	16	110	430	150	-			
EFF 150/500			200	180	715	380		500		130	250	180	560	450	60	64	18	140	475	190	-			
200/315N	200		200	127	565	315	360	100		500	400	42	45	12	110	381	150	-						
200/315F				144	585	330	370	150		240	160	600	500	42	45	12	110	401	150	-				
EFF200/360				250	167	713	380	480		150	250	200	650	500	60	64	18	125	464	190	-			
EFF 200/320				250	200	565	375	500		100	220	140	550	450	42	45	12	110	380	-				
200/400			200	148	764	380	530	150		280	200	650	500	M24	60	64	18	515	-					
EFF 200/410		250	180	740	355	500	120	250	150	550	450	M20	60	64	18	490	-							
200/500		200	210	874	425	560	160	280	200	720	600	M27	70	75	20	630	-							
EFF 200/500		250	200	820	425	560	120	280	210	700	600	M20	70	75	20	575	190	-						
250/400N		250	250	140	850	380	480	140	250	180	600	500	M27	70	75	20	605	-						
250/400M				250	160	380	480	140	250	180	600	500						-						
250/400F				300	295	855	400	525	130	200	650	590						60	65	18	135	517	-	
EFF 250/410				250	165	756	400	525	130	170	800	670						M24	60	64	18	140	480	-
EFF 250/420	250		210	720	400	600	130	170	800	670	M24	60	64	18	140	480	-							
250/600	300		300	280	1213	550	650	160	350	250	900	740	M27	100	106	28	210	847	200	-				
250/700				321	1159	650	750	180	400	280	1100	940						743	400	M24	-			
EFF 300/400				350	170	860	500	600	160	350	250	800						650	70	75	20	140	605	-
300/500				300	335	882	580	160	350	250	800	660						605	638	592	-			
EFF 350/420			350	200	836	560	800	225	400	300	1080	860	M24	100	106	28	210	915	190	-				
EFF 350/520			400	400	265	835	680	800	225	400	300	1080	860	M24	100	106	28	210	915	-				
EFF 350/630					300	1275	670	150	350	270	800	660	M30	70	75	20	116	606	-					
400/400		388			858	573	565	150	350	270	800	660	M27	70	75	20	140	613	-					
400/402		300			1375	600	800	250	400	300	1000	750	M36	100	106	28	210	1010	-					
EFF 400/500		500		500	417	1035	550	160	400	300	1000	740	M27	80	85	22	150	900	240	-				
400/600					400	300	1150	1000	440	340	1250	1100	M36	100	106	28	210	915	200	M20	-			
500/600					350	1275	700	700	250	440	340	1250	1100	M36	100	106	28	210	915	200	M20	-		
500/630B	422				1202	800	325	500	400	1300	1000	210	814	400	M24	500	-							

NOTE:

- 1) Turbosan reserves right to make any changes in dimensions without giving prior notice.
- 2) For flange dimensions refer to flange standards.

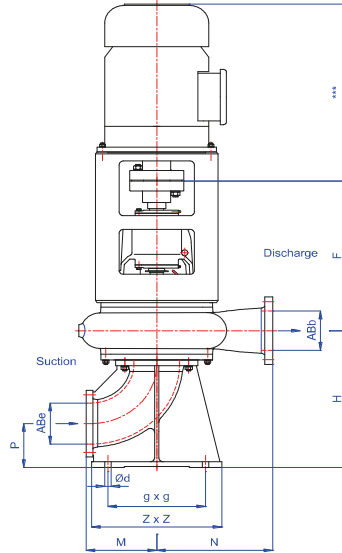
CAP - VS SERIES VERTICAL DRY INSTALLATION CARDAN SHAFT DRIVE SEWAGE PUMPS DIMENSIONS TABLE



PUMP TYPE	Discharge ABb-PN10	Suction ABe-PN10	F	H	M	N	P	Z x Z	g x g	Ød	Anchor Bolt	
50/200V	50	65	440	294	145	200	125	270X270	200X200	20	M18x200	
80/160	80	80	480	408	190	280	150	350X350	250X250	23	M20x200	
80/250			454	405	190							
EFF 80/260		125	555	528	215		185	440X440	345X345			
80/270	80	80	454	405	190	315	150	350X350	350X350	23	M20x200	
80/315			555	413	190	340						
EFF 80/320	80	125	555	528	215	300	185	440X440	345X345	28	M24x250	
100/200	100		498	435		246						
100/250			465	446	195	300	190	390x390	295x295			
EFF 100/250NP			500	456		290						
EFF 100/260	150	150	550	613	275	300	210	500x500	350X350	23	M20x200	
100/270	100	100	448	440	195	315	190	390X390	295x295			
100/315			523	468		340						
EFF 100/320	150	150	580	603	275	340	210	500X500	350X350	23	M20x200	
100/400	100	100	553	472	195	340	190	390X390	295X295			
EFF 100/400			150	562	472							
EFF 100/400NP	150	150	562	472						28	M24x250	
125/250	125	125	475	543	215	315	185	440X440	345X345			
125/300			150	529	589	275	335	210	500x500	350X350		
125/315			125	561	485	215	315	185	440X440	345X345		
125/400	125		559	510	215	370				28	M24x250	
EFF 125/500			150	720	620	275	450	210	500x500			350X350
150/250	150	200	577	712	325	355	225	600x 600	500x500	30	M27x300	
150/315		150		570	581		380					
EFF 150/315				644	643	275	400	210	500x500			350X350
150/400	150	200	640	575		450				28	M24x250	
EFF 150/410			200	550								
150/380NP	150	200	715	733		500				28	M24x250	
EFF 150/500			200	565	680	325	370	225	600x 600			
200/315N	200	250	585	697		370				30	M27x300	
200/315F			250	565	803	350	500	250	650x650			
EFF 200/320			200	713	813							
EFF 200/360	200	200	779	703	325	530	225	600X600		30	M27x300	
200/400			250	740	780	350	500	250	650x650			
EFF 200/410	200	200	874	763	325	560	225	600X600		30	M27x300	
200/500			250	820	803	350						
EFF 200/500	250	250	702	784	350	440	250	650x650		30	M27x300	
250/315F			200	757	770	325						
250/400N	250	250	875	763	350	480				30	M27x300	
250/400M			300	882	850	380	285	730X705	600X600			
250/400F	250	250	756	784	350	525		650x650	500X500	30	M27x300	
EFF 250/410			250	720	813	350	600	250	650x650			500X500
EFF 250/420	250	300	1213	948	380	650	285	730X705	600X600	30	M27x300	
250/600			300	1159	853	380	750	205	730X705			600X600
250/700	250	300	1159	853	380	750	205	730X705	600X600	30	M27x300	
EFF 300/400			350	850	948	445	600	330	850X850			700X700
300/500	300	300	882	1000	380	585	285	730X705	600X600	30	M27x300	
EFF 350/420			350	836	978	445						
EFF 350/520	350		880	1155						30	M27x300	
EFF 350/630			400	915	1180	510	800	380	1000x1000			800X800
400/400	400		858	1130						30	M27x300	
400/402					1276							
EFF 400/500	400	500	1375	1403	635	700	470	1200X1200	1000X1000	30	M27x300	
400/600			500	1259	1520	635	700	470	1200X1200			1000X1000
400/700	400	500	1275	1454	635	1000	470	1200X1200	1000X1000	30	M27x300	
EFF 400/800			500	1506	1350	550	930	430	500X500			320X320
500/600	500	500	1275	1454	635	1000	470	1200X1200	1000X1000	30	M27x300	
500/630B	500	600	1202	1850	960	1000	470	1850X1850	1650X1650			
600/600	600	600	1202			700	470	1850X1850	1650X1650			

1) Dimensions "mm". Turbosan reserves right to make any changes in dimensions without giving prior notice.
2) For flange dimensions refer to flange standards.

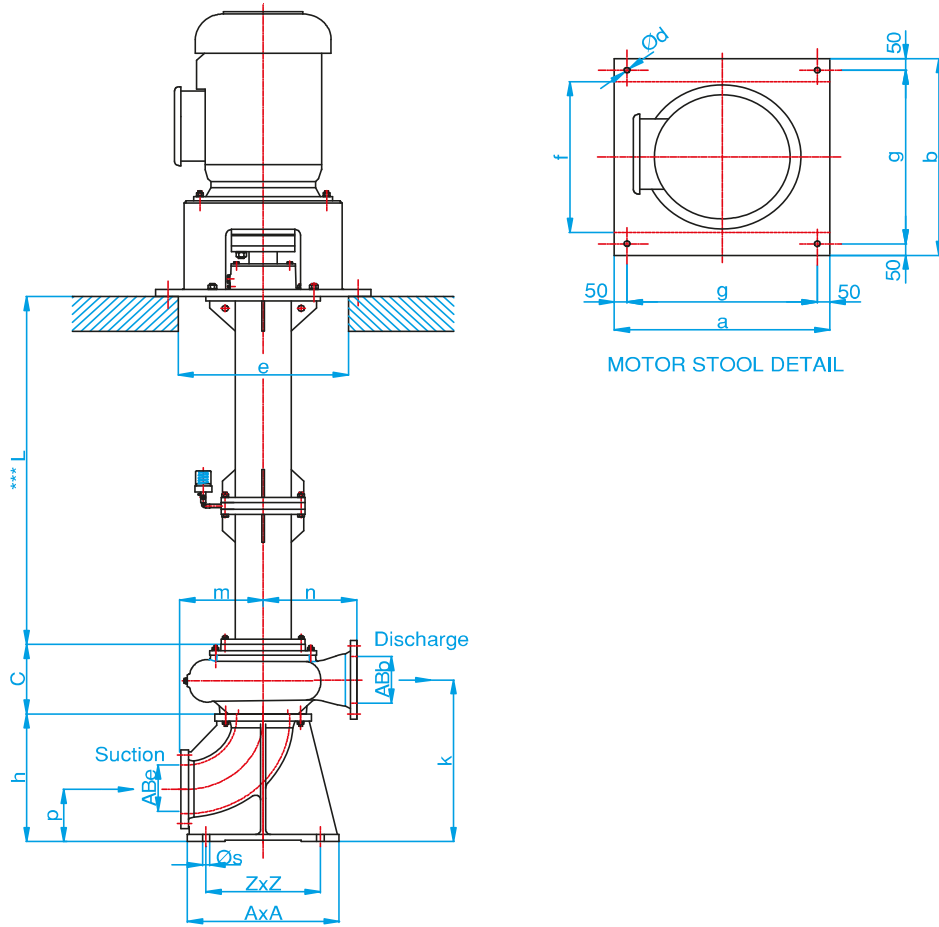
CAP - VM SERIES VERTICAL DRY INSTALLATION MONOBLOCK SEWAGE PUMPS DIMENSIONS TABLE



PUMP TYPE	Discharge ABb-PN10	Suction ABe- PN10	F	H	M	N	P	Z x Z	g x g	Ød	Anchor Bolt	
50/200V	50	65	440	294	145	200	125	270X270	200X200	20	M18x200	
80/160	80	80	480	408	190	280	150	350X350	250X250	23	M20x200	
80/250			454	405								
EFF 80/260		125	555	528	215	185	440X440	345X345				
80/270		80	454	405	190	315	150	350X350	350X350			
80/315			555	413		340						
EFF 80/320		125	555	528	215	300	185	440X440	345X345			
100/200	100	100	498	435	246	290	190	390x390	295x295	28	M24x250	
100/250			465	446	195		300	190	390x390			295x295
EFF 100/250NP			500	456		290						
EFF 100/260		150	550	613	275	300	210	500x500	350X350			
100/270		100	448	440	195	315	190	390X390	295x295			
100/315			523	468		340						
EFF 100/320		150	580	603	275	340	210	500X500	350X350			
100/400		100	553	472								
EFF 100/400		150	562	472	195	340	190	390X390	295X295			
EFF 100/400NP		150	562	472								
125/250	125	125	475	543	215	315	185	440X440	345X345	28	M24x250	
125/300			529	589	275	335	210	500x500	350X350			
125/315		125	561	485	215	315	185	440X440	345X345			
125/400			559	510		370						
EFF 125/500		150	720	620	275	450	210	500x500	350X350			
150/250	150	200	577	712	325	355	225	600x 600	500x500	30	M27x300	
150/315				581		380						
EFF 150/315		150	570	643		400						
150/400			644		275	450	210	500x500	350X350			
EFF 150/410		200	640	575								
150/380NP		200	550			450						
EFF 150/500			715	733		500						
200/315N		200	565	680	325	370	225	600x 600		500x500	30	M27x300
200/315F			585	697		370						
EFF 200/320		250	565	803	350	500	250	650x650				
EFF 200/360		713	813									
200/400	200	779	703	325	530	225	600X600					
EFF 200/410	250	740	780	350	500	250	650x650					
200/500	200	874	763	325	560	225	600X600					
EFF 200/500	250	820	803	350								
250/315F	250	702	784	350	440	250	650x650					
250/400N	200	757	770	325								
250/400M	250	875	763	350	480							
250/400F	300	882	850	380	285	730X705	600X600					
EFF 250/410	250	756	784	350	525		650x650	500X500				
EFF 250/420	250	720	813	350	600	250	650x650	500X500				
250/600	300	1213	948	380	650	285	730X705	600X600				
250/700		1159	853	380	750	205	730X705					
EFF 300/400	350	850	948	445	600	330	850X850	700X700				
300/500	300	882	1000	380	585	285	730X705	600X600				
EFF 350/420	350	836	978	445			330	850X850	700X700			
EFF 350/520	350	880	1155						1000x1000	800X800		
EFF 350/630		915	1180									
400/400		400	858	1130	510	800	380					
400/402				1276								
EFF 400/500	400	500	1375	1403	635	470	1200X1200	1000X1000				
400/600		500	1259	1520	635	700	470	1200X1200	1000X1000			
400/700		500	1275	1454	635	1000	470	1200X1200	1000X1000			
EFF 400/800		500	1506	1350	550	930	430	500X500	320X320			
500/600		500	1275	1454	635	1000	470	1200X1200	1000X1000			
500/630B	500	600	1202	1850	960	1000	470	1850X1850	1650X1650			
600/600	600	600	1202			700	470	1850X1850	1650X1650			

1) Dimensions "mm". Turbosan reserves right to make any changes in dimensions without giving prior notice.
2) For flange dimensions refer to flange standards.

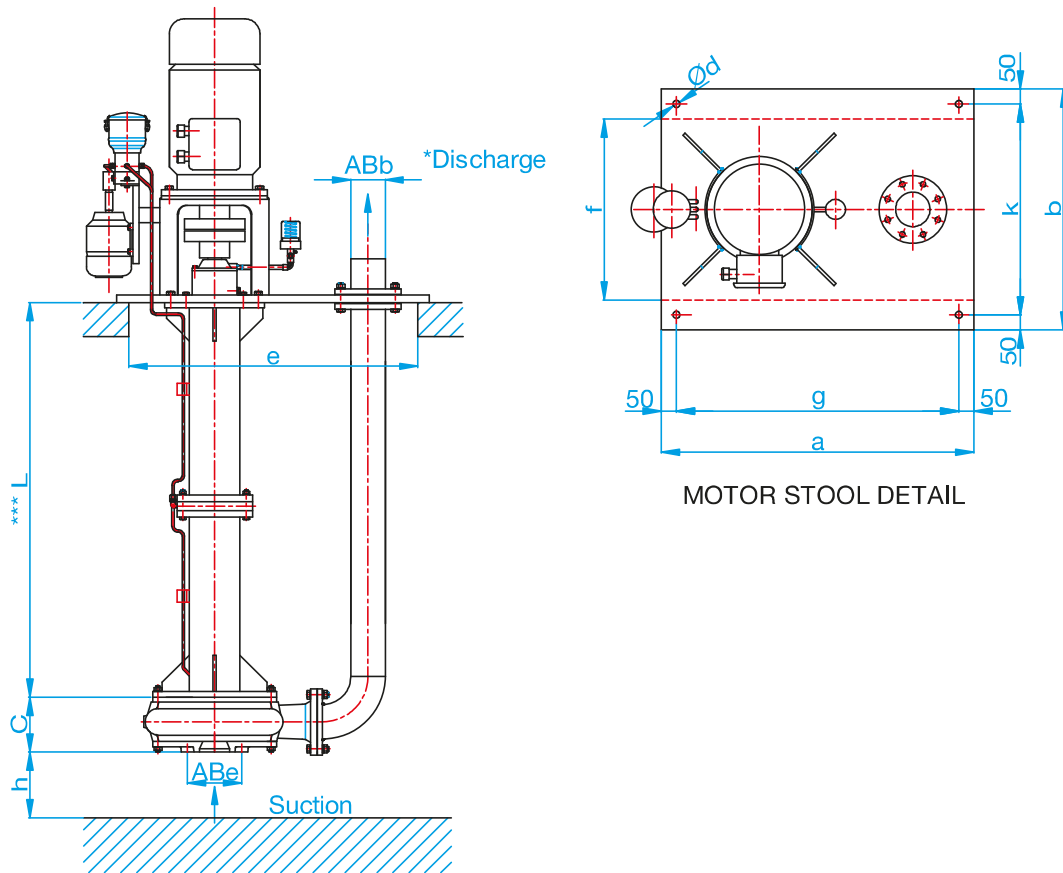
CAP - VK SERIES VERTICAL DRY INSTALLATION SUSPENSION PIPE SEWAGE PUMPS DIMENSIONS TABLE



PUMP TYPE	Discharge ABb-PN10	Suction ABe-PN10	a	b	g	Ød	e	f	p	h	C	k	m	n	AXA	ZxZ	Øs	Anchor Bolt	
50/200V	50	65	400	450	350	20	400	300	125	240	95	290	145		250x250	200x200	20	M18X200	
80/160	80	80	700	700	600	23	450	500	150	340	135	405	190	200	350x350	250x250	23	M20x200	
80/250							600				280								
80/270							500				128	267							
80/315							750				750	650							550
100/250	100	100	700	700	600	23	600	500	195	375	170	465	200	235	400x400	300x300	23	M20x200	
100/270							500				132	447							340
100/315							600				195	475							340
100/400							600				230	480							367
125/250N-F	125	125	800	800	700	28	650	550	185	400	210	540	215	315	450x450	350x350	28	M24x250	
125/315N-F											215	485							370
125/400M											240	510							370
150/315M											750	640							210
150/400M	150	150	900	900	800	28	750	640	210	460	276	472	275	400	500x500		28	M24x250	
200/315N	200	200	1000	1000	900	30	850	760	225	550	282	682	325	370	600x600	450x450	30	M27x300	
200/315F											302	700							370
200/400M											366	700							535
250/400N											335	690							480
250/400M	250	250	1000	1000	900	30	850	760	250	600	304	760	350	480	650x650	500x500	30	M27x300	
250/400F									285	665	332	853	380	700x700	550x550				

1) Dimensions (mm) subject to change without prior notice!
 2) For flange dimensions refer to flange standards.
 L = Total column pipe length.

CAP - VY SERIES VERTICAL WET INSTALLATION SUSPENSION PIPE SEWAGE PUMPS DIMENSIONS TABLE



PUMP TYPE/	Discharge ABb-PN10	Suction ABe	C	h min.	e	a	g	b	k	f	Ød	Anchor Bolt			
50/200V	50	65	95	150	600	600	500	450	350	300	20	M18x200			
80/160V			135					500	400	350					
80/250			118					750	750	650			700	600	500
80/270			128												
80/315	80	80	152	200	900	900	800	750	650	550	23	M20x200			
100/250	100	100	170	250	800	800	700	700	600	500	28	M24x250			
100/270			132												
100/315			195												
100/400			230												
125/250N-F	125	125	210	300	800	800	700	700	600	500					
125/315N-F			215												
125/400M			240												
150/315M	150	150	260	400	1250	1250	1150	800	700	600					
150/400M			276												
200/315N	200	200	282	450	1250	1250	1150	800	750	650					
200/315F			315												
200/400M			366												
250/400N			335												
250/400M	250	250	304	500	1400	1500	1400	1000	900	800					
250/400F		300	332												

1) Dimensions (mm) subject to change without prior notice!
 2) For flange dimensions refer to flange standards.
 L = Total column pipe length