



GSSA Series



Application

Water supply systems
Pressure boiler feeding
Pure water treating systems
Refining chemical industries
Washing and sprinkling

Materials

Stainless Steel 316
Casing, back-cover, impeller and pump shaft: SS316
Bracket and motor cast: Aluminum-alloy
Standard mechanical seal: NBR/ceramic/carbon
(Special mechanical seal materials are available upon request)

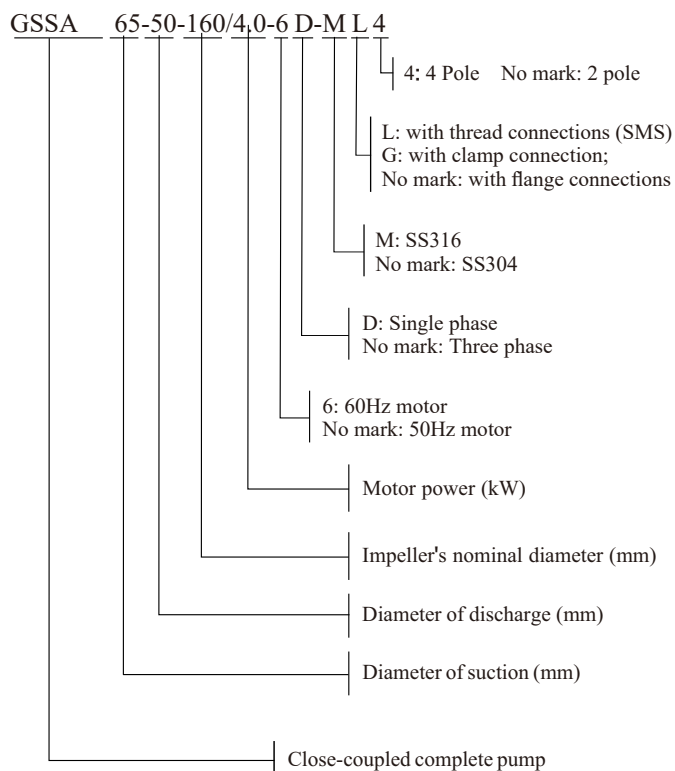
Performance Limits

Max. Working pressure: 10 bar
To avoid overload and danger the pump should be operated within the performance ranges.
Media temperature:
With NBR/ceramic/carbon: -20°C~+80°C
With Viton/ceramic/carbon: -20°C~+110°C
With EPR/ceramic/carbon: -20°C~+110°C

Motors

T.E.F.C.
Continuous duty
Insulation class: F
Protection class: IP54, IP55
Ambient temperature range: -15°C~+40°C
Altitude ≤ 1000m
With overload protector in single phase motor
overload protector in three phase is available upon request.

Symbols



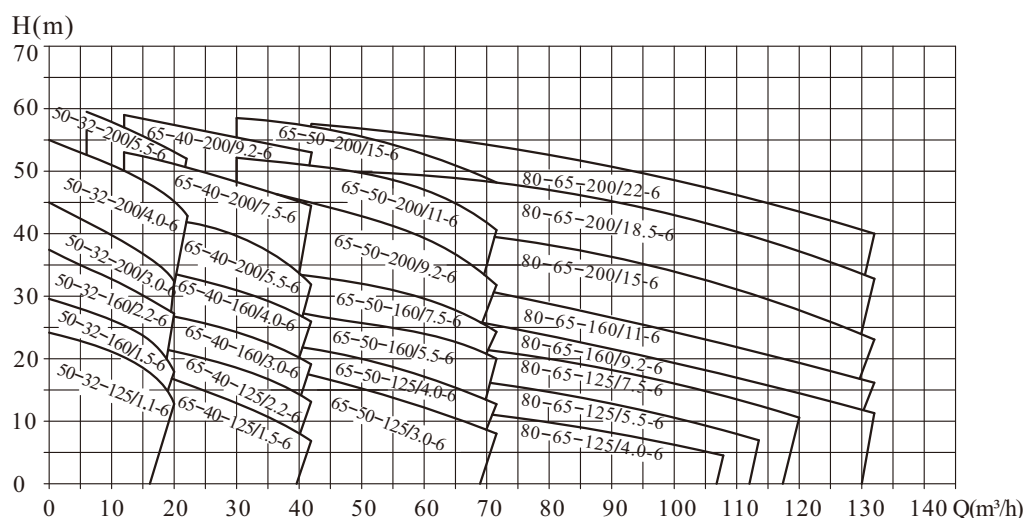
GOL PUMPS - CENTRIFUGAL PUMPS



GSSA Series

Curve Chart

n=3480rpm



GSSA Series

Performance Data

n=3480rpm

Model (GB/T5662)	Model (DIN EN 733)	Capacity (m³/h)	Head (m)	Rotational Speed r/min	Equipped Motor Power		Vapor loss complement NPSH(m)
					kW	HP	
50-32-125/1.1-6	50-32-125/1.1-6	12.5	20	3480	1.1	1.5	2.0
50-32-160/1.5-6	50-32-160/1.5-6	10	25		1.5	2.0	
50-32-160/2.2-6	50-32-160/2.2-6	12.5	32		2.2	3.0	
50-32-200/3.0-6	50-32-200/3.0-6	10	40		3.0	4.0	
50-32-200/4.0-6	50-32-200/4.0-6	12.5	50		4.0	5.5	
50-32-200/5.5-6	50-32-200/5.5-6	12.5	57		5.5	7.5	
65-50-125/1.5-6	65-40-125/1.5-6	20	17		1.5	2.0	
65-50-125/2.2-6	65-40-125/2.2-6	25	20		2.2	3.0	
65-50-160/3.0-6	65-40-160/3.0-6	20	27		3.0	4.0	
65-50-160/4.0-6	65-40-160/4.0-6	25	32		4.0	5.5	
65-40-200/5.5-6	65-40-200/5.5-6	20	42		5.5	7.5	
65-40-200/7.5-6	65-40-200/7.5-6	25	50		7.5	10	
65-40-200/9.2-6	65-40-200/9.2-6	25	56.5		9.2	12.5	
80-65-125/3.0-6	65-50-125/3.0-6	40	18		3.0	4.0	2.5
80-65-125/4.0-6	65-50-125/4.0-6	50	20		4.0	5.5	
80-65-160/5.5-6	65-50-160/5.5-6	40	28		5.5	7.5	
80-65-160/7.5-6	65-50-160/7.5-6	50	32		7.5	10	
80-50-200/9.2-6	65-50-200/9.2-6	40	47		9.2	12.5	
80-50-200/11-6	65-50-200/11-6	50	50		11	15	
80-50-200/15-6	65-50-200/15-6	50	55		15	20	3.5
100-80-125/4.0-6	80-65-125/4.0-6	75	11		4.0	5.5	
100-80-125/5.5-6	80-65-125/5.5-6	75	15		5.5	7.5	
100-80-125/7.5-6	80-65-125/7.5-6	75	21		7.5	10	4.0
100-80-160/9.2-6	80-65-160/9.2-6	100	21		9.2	12.5	
100-80-160/11-6	80-65-160/11-6	100	26		11	15	
100-65-200/15-6	80-65-200/15-6	100	34		15	20	
100-65-200/18.5-6	80-65-200/18.5-6	100	43		18.5	25	
100-65-200/22-6	80-65-200/22-6	100	50		22	30	

GOL PUMPS - CENTRIFUGAL PUMPS



GSSA Series

Operating Performance Data

n=3480rpm

Water test temperature: 20 °C, Performance limits: ISO 9906-3B.

Model (GB/T5662)	Model (DINEN 733)	Power		Capacity																
		kW	HP	m³/h	0	6.0	9.0	12	18	20	22	24	27	30	36	42	48	60	72	
				l/min	0	100	150	200	300	333	367	400	450	500	600	700	800	1000	1200	
				gal/min	0	26.4	39.6	52.8	79.3	88	97	106	119	132	159	185	211	264	317	
				Head (m)																
50-32-125/1.1-6	50-32-125/1.1-6	1.1	1.5		24	21.5	20.5	19.5	16	13										
50-32-160/1.5-6	50-32-160/1.5-6	1.5	2.0		29.5	27	26	25	21	18										
50-32-160/2.2-6	50-32-160/2.2-6	2.2	3.0		37	33.5	32.5	32	28.5	27										
50-32-200/3.0-6	50-32-200/3.0-6	3.0	4.0		45	41	40	38	34	32										
50-32-200/4.0-6	50-32-200/4.0-6	4.0	5.5		55	51	50	49	46	45	43									
50-32-200/5.5-6	50-32-200/5.5-6	5.5	7.5		62	59.5	58	57	55	54	52									
65-50-125/1.5-6	65-40-125/1.5-6	1.5	2.0		20			19	18	17	16.5	15	14	12.5	10	7				
65-50-125/2.2-6	65-40-125/2.2-6	2.2	3.0		26			23.5	22.5	22	21.5	21	20.5	19.5	16.5	13				
65-50-160/3.0-6	65-40-160/3.0-6	3.0	4.0		31			29	27.5	27	26.5	25.5	25	24	22	19				
65-50-160/4.0-6	65-40-160/4.0-6	4.0	5.5		39			35.5	34.5	34	33.5	32.5	32	31	29	26				
65-40-200/5.5-6	65-40-200/5.5-6	5.5	7.5		47			43	42.5	42	41.5	41	40.5	39	37	33				
65-40-200/7.5-6	65-40-200/7.5-6	7.5	10		57			53	52.5	52	51	50	49	48	46.5	44.5				
65-40-200/9.2-6	65-40-200/9.2-6	9.2	12.5		60			59	58	57.5	57	56.5	56	55	54	53				
80-65-125/3.0-6	65-50-125/3.0-6	3.0	4.0		22.5							20	19.5	19	18.5	17.5	16	13		
80-65-125/4.0-6	65-50-125/4.0-6	4.0	5.5		25.5							23	22.5	22	21.5	20.5	20	17		
80-65-160/5.5-6	65-50-160/5.5-6	5.5	7.5		33							29.5	29	28.5	28	27	26	24		
80-65-160/7.5-6	65-50-160/7.5-6	7.5	10		39							36	35	34.5	34	33.5	32.5	29		
80-50-200/9.2-6	65-50-200/9.2-6	9.2	12.5		53									47	46.5	45	43.5	39		
80-50-200/11-6	65-50-200/11-6	11	15		57.5									52	51	50.5	50	47		
80-50-200/15-6	65-50-200/15-6	15	20		61									58.5	57.5	57	56	53		

Model (GB/T5662)	Model (DIN EN 733)	Power		Capacity												
		kW	HP	m³/h	36	39	42	48	60	72	90	108	114	120	126	132
				l/min	600	650	700	800	1000	1200	1500	1800	1900	2000	2100	2200
				gal/min	159	172	185	211	264	317	396	476	502	528	555	581
				Head (m)												
100-80-125/4.0-6	80-65-125/4.0-6	4.0	5.5		18	17.5	17	16	14	11.5	8	4.5				
100-80-125/5.5-6	80-65-125/5.5-6	5.5	7.5		22.5	22	21.5	20.5	18.5	16	12.5	8.5	7			
100-80-125/7.5-6	80-65-125/7.5-6	7.5	10		27.5	27	26.5	26	24	21.5	18	14	12	10.5		
100-80-160/9.2-6	80-65-160/9.2-6	9.2	12.5				31	30	28	26	23	18	16	14.5	13	
100-80-160/11-6	80-65-160/11-6	11	15				36	35	33	31	28	23	21	19.5	18	16.5
100-65-200/15-6	80-65-200/15-6	15	20				44	43	41	39	36	32	30	28	26	23
100-65-200/18.5-6	80-65-200/18.5-6	18.5	25				51	50	49	48	45	41	39	37	35	33
100-65-200/22-6	80-65-200/22-6	22	30				57	56	55	54	51	47	45.5	44	42	40

GOL PUMPS - CENTRIFUGAL PUMPS



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Operating Performance Data

n=3480rpm

Water test temperature: 20 °C, Performance limits: ISO 9906-3B.

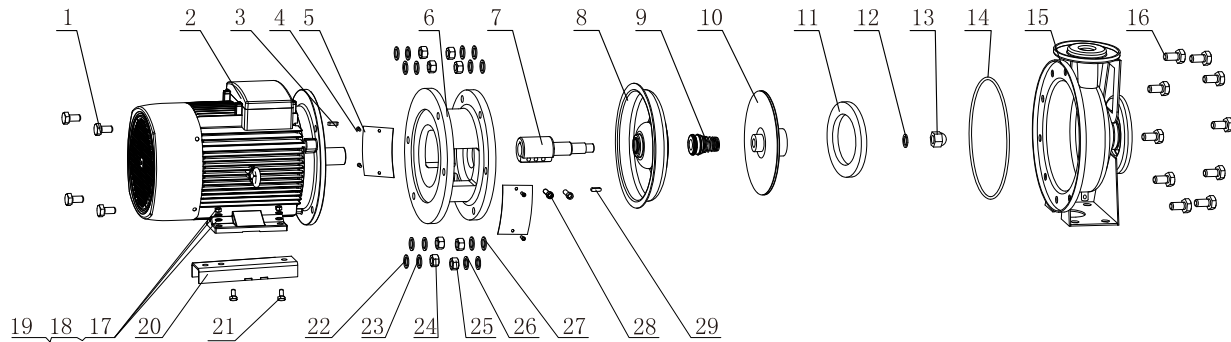
Model (GB/T5662)	Model (DINEN 733)	Power		Capacity																
		kW	HP	m³/h	0	6.0	9.0	12	18	20	22	24	27	30	36	42	48	60	72	
				l/min	0	100	150	200	300	333	367	400	450	500	600	700	800	1000	1200	
				gal/min	0	26.4	39.6	52.8	79.3	88	97	106	119	132	159	185	211	264	317	
				Head (ft)																
50-32-125/1.1-6	50-32-125/1.1-6	1.1	1.5		78.7	70.5	67.3	64	52.5	42.7										
50-32-160/1.5-6	50-32-160/1.5-6	1.5	2.0		96.8	88.6	85.3	82	69	59										
50-32-160/2.2-6	50-32-160/2.2-6	2.2	3.0		121	110	107	105	93.5	88.6										
50-32-200/3.0-6	50-32-200/3.0-6	3.0	4.0		148	135	131	125	112	105										
50-32-200/4.0-6	50-32-200/4.0-6	4.0	5.5		180	167	164	161	151	148	141									
50-32-200/5.5-6	50-32-200/5.5-6	5.5	7.5		203	195	190	187	180	177	171									
65-50-125/1.5-6	65-40-125/1.5-6	1.5	2.0		65.6			62.3	59	55.8	54.1	49.2	46	41	32.8	23				
65-50-125/2.2-6	65-40-125/2.2-6	2.2	3.0		85.3			77	73.8	72.2	70.5	68.9	67.3	64	54.1	42.7				
65-50-160/3.0-6	65-40-160/3.0-6	3.0	4.0		102			95.1	90.2	88.6	86.9	83.7	82	78.7	72.2	62.3				
65-50-160/4.0-6	65-40-160/4.0-6	4.0	5.5		128			117	113	112	110	107	105	102	95.1	85.3				
65-40-200/5.5-6	65-40-200/5.5-6	5.5	7.5		154			141	139	138	136	135	133	128	121	108				
65-40-200/7.5-6	65-40-200/7.5-6	7.5	10		187			174	172	171	167	164	161	158	153	146				
65-40-200/9.2-6	65-40-200/9.2-6	9.2	12.5		197			194	190	189	187	185	184	180	177	174				
80-65-125/3.0-6	65-50-125/3.0-6	3.0	4.0		73.8							65.6	64	62.3	60.7	57.4	52.5	42.7	29.5	
80-65-125/4.0-6	65-50-125/4.0-6	4.0	5.5		83.7							75.5	73.8	72.2	70.5	67.3	65.6	55.8	44.3	
80-65-160/5.5-6	65-50-160/5.5-6	5.5	7.5		108							96.8	95.1	93.5	91.9	88.6	85.3	78.7	65.6	
80-65-160/7.5-6	65-50-160/7.5-6	7.5	10		128							118	115	113	112	110	107	95.1	78.7	
80-50-200/9.2-6	65-50-200/9.2-6	9.2	12.5		174									154	153	148	143	128	105	
80-50-200/11-6	65-50-200/11-6	11	15		189									171	167	166	164	154	135	
80-50-200/15-6	65-50-200/15-6	15	20		200									192	189	187	184	174	158	

Model (GB/T5662)	Model (DIN EN 733)	Power		Capacity												
		kW	HP	m³/h	36	39	42	48	60	72	90	108	114	120	126	132
				l/min	600	650	700	800	1000	1200	1500	1800	1900	2000	2100	2200
				gal/min	159	172	185	211	264	317	396	476	502	528	555	581
				Head (ft)												
100-80-125/4.0-6	80-65-125/4.0-6	4.0	5.5		59	57.4	55.8	52.5	46	37.7	26.2	14.8				
100-80-125/5.5-6	80-65-125/5.5-6	5.5	7.5		73.8	72.2	70.5	67.3	60.7	52.5	41	27.9	23			
100-80-125/7.5-6	80-65-125/7.5-6	7.5	10		90.2	88.6	87	85.3	78.7	70.5	59	46	39.4	34.4		
100-80-160/9.2-6	80-65-160/9.2-6	9.2	12.5				102	98.4	92	85.3	75.5	59	52.5	47.6	42.7	
100-80-160/11-6	80-65-160/11-6	11	15				118	115	108	102	92	75.5	67	64	59	54.1
100-65-200/15-6	80-65-200/15-6	15	20				144	141	135	128	118	105	98.4	92	85.3	75.5
100-65-200/18.5-6	80-65-200/18.5-6	18.5	25				167	164	161	158	148	135	128	121	115	108
100-65-200/22-6	80-65-200/22-6	22	30				187	184	180	177	167	154	149	144	138	131



GSSA Series

Parts List



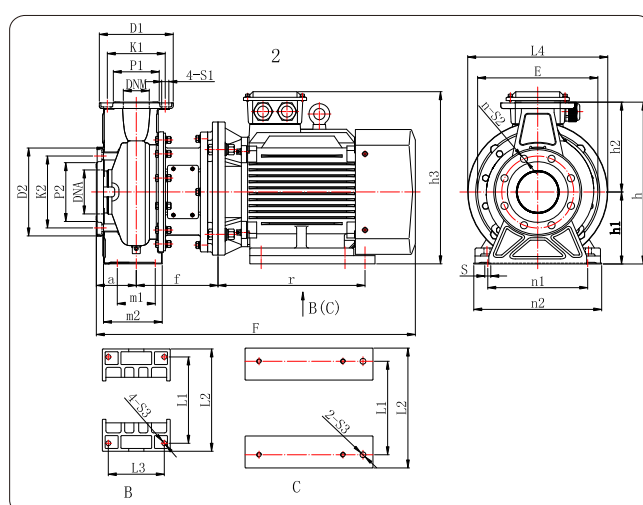
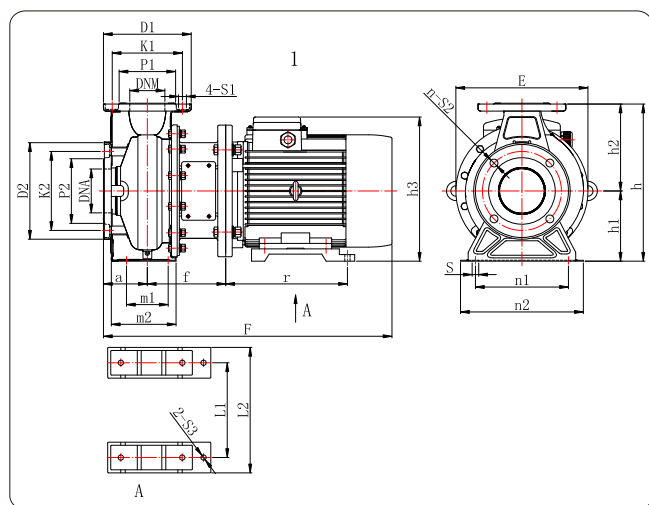
No	Description	No	Description	No	Description	No	Description	No	Description	No	Description
1	Bolt	6	Bracket	11	Wear Ring	16	Bolt	21	Bolt	26	Spring Washer
2	Motor	7	Stub-shaft	12	Spring Washer	17	Plain washer	22	Plain washer	27	Plain washer
3	Key	8	Back cover	13	Impeller Nut	18	Spring Washer	23	Spring Washer	28	Bolt
4	Bolt	9	Mechanical Seal	14	O Ring	19	Nut	24	Nut	29	Key
5	Coupling Guard	10	Impeller	15	Casing	20	Motor base	25	Nut		

GOL PUMPS - CENTRIFUGAL PUMPS



GSSA Series

Outline Drawing and Installation Dimensions



Note: Flanges are compatibles with ANSI - DIN - GB standard

Model (GB/T5562)	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
GSSA 50-32-125/1.1-6	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
GSSA 50-32-160/1.5-6	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
GSSA 50-32-160/2.2-6	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
GSSA 50-32-200/3.0-6	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
GSSA 50-32-200/4.0-6	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
GSSA 50-32-200/5.5-6	295	624	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
GSSA 65-40-125/1.5-6	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
GSSA 65-40-125/2.2-6	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
GSSA 65-40-160/3.0-6	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
GSSA 65-40-160/4.0-6	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
GSSA 65-40-200/5.5-6	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
GSSA 65-40-200/7.5-6	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
GSSA 65-40-200/9.2-6	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
GSSA 65-50-125/3.0-6	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
GSSA 65-50-125/4.0-6	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
GSSA 65-50-160/5.5-6	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
GSSA 65-50-160/7.5-6	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
GSSA 65-50-200/9.2-6	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
GSSA 65-50-200/11-6	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
GSSA 65-50-200/15-6	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
GSSA 80-65-125/4.0-6	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
GSSA 80-65-125/5.5-6	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
GSSA 80-65-125/7.5-6	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
GSSA 80-65-160/9.2-6	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
GSSA 80-65-160/11-6	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
GSSA 80-65-200/15-6	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
GSSA 80-65-200/18.5-6	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
GSSA 80-65-200/22-6	301	881	405	180	225	448	100	95	155	250	320	15	254	348	—	362	410	205	15	200	160	132	18	8	185	145	118	18	80	65

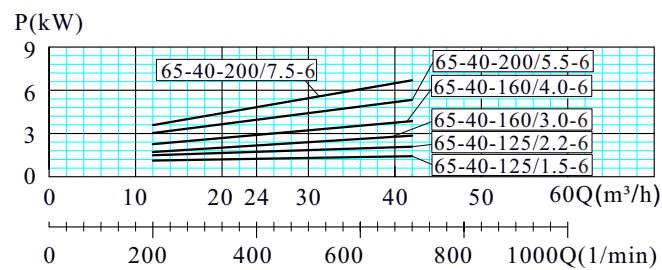
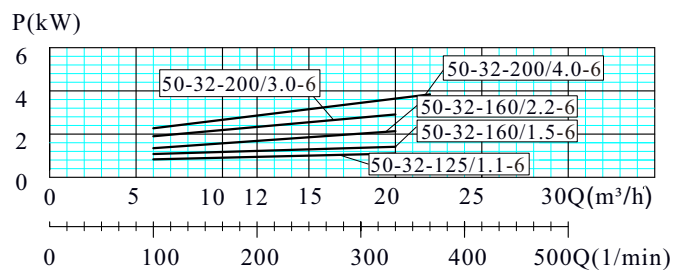
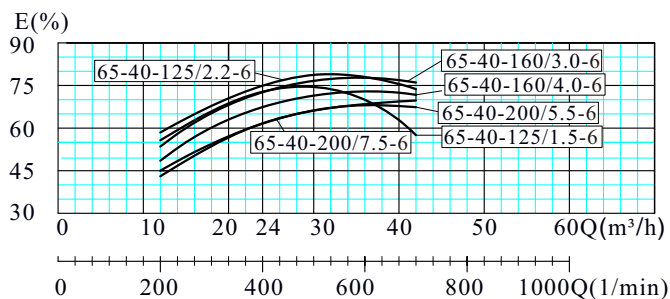
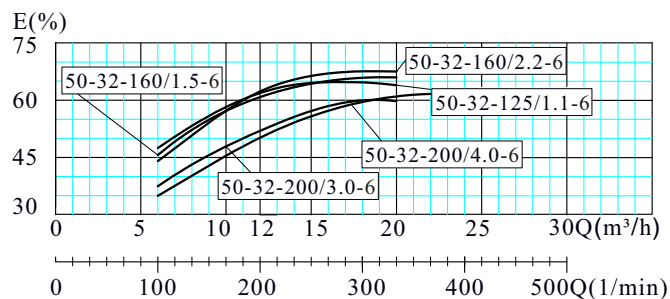
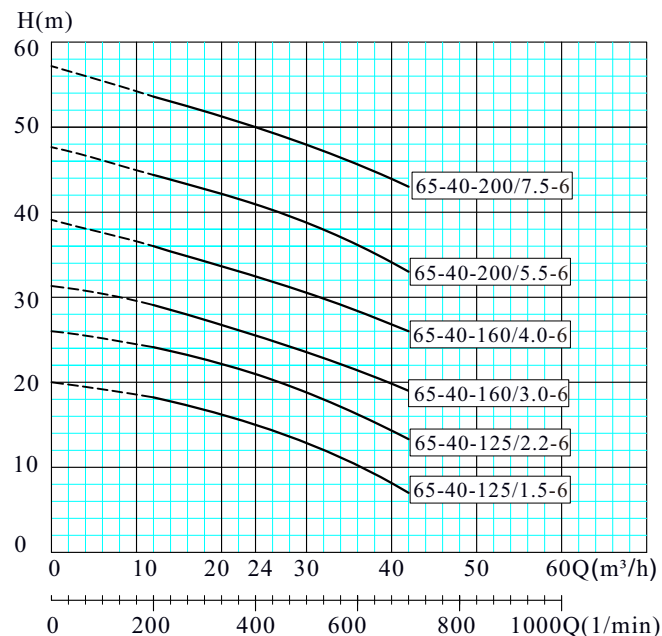
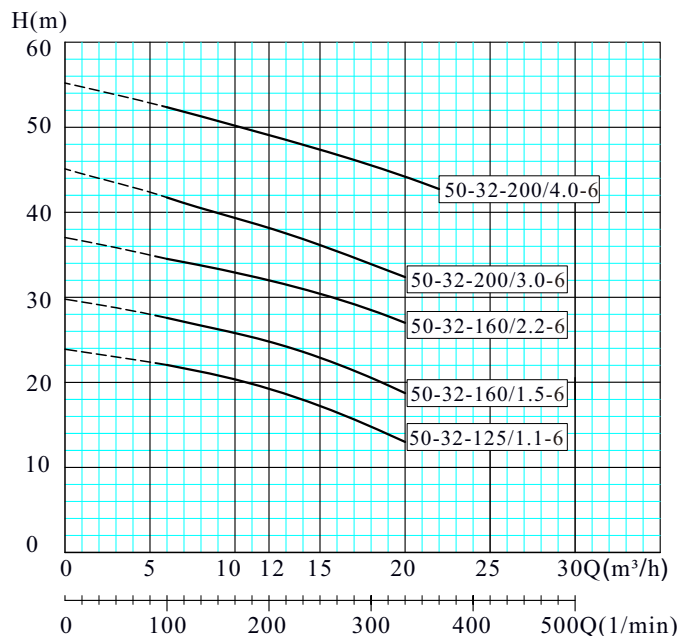
GOL PUMPS - CENTRIFUGAL PUMPS



GSSA Series

Curves

n=3480rpm



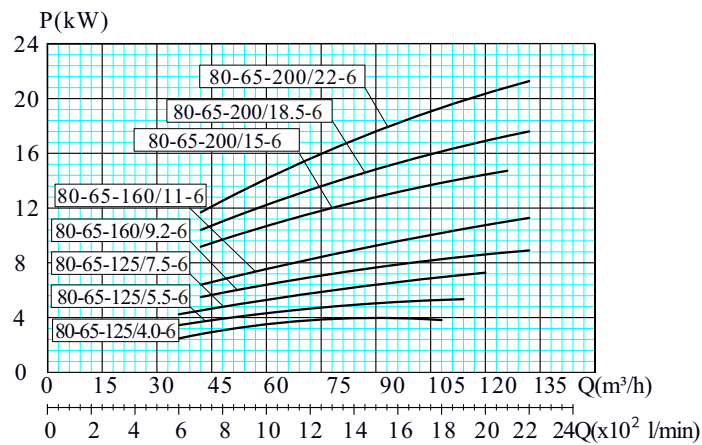
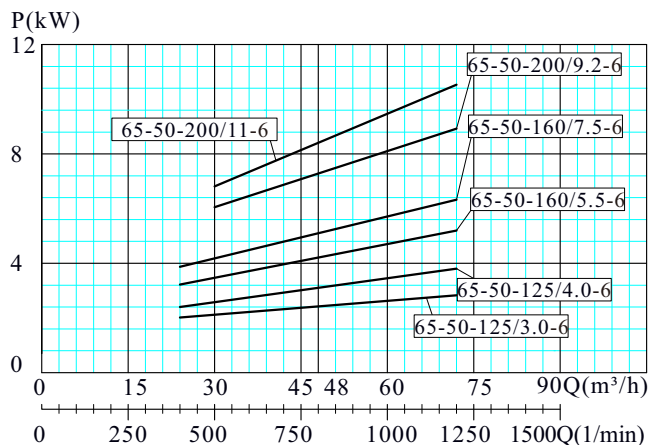
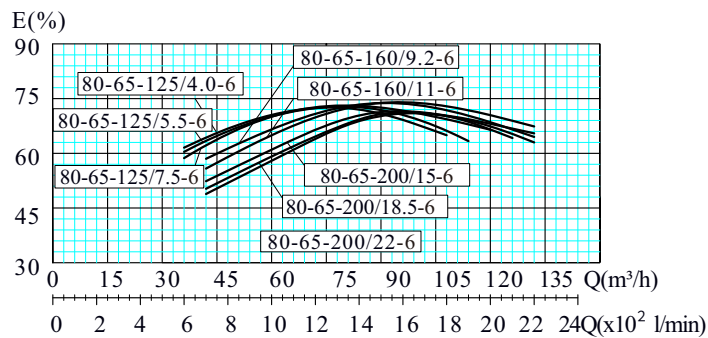
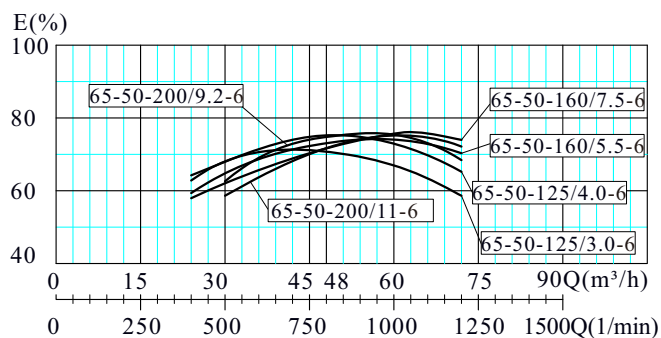
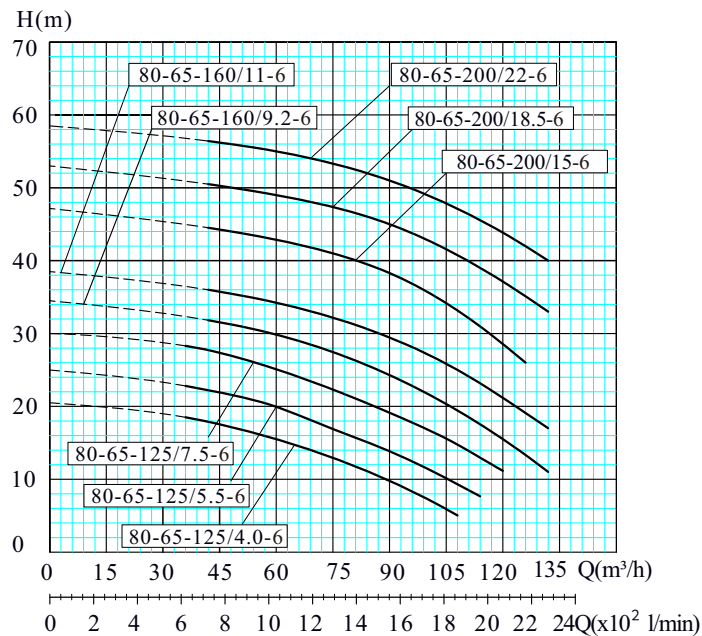
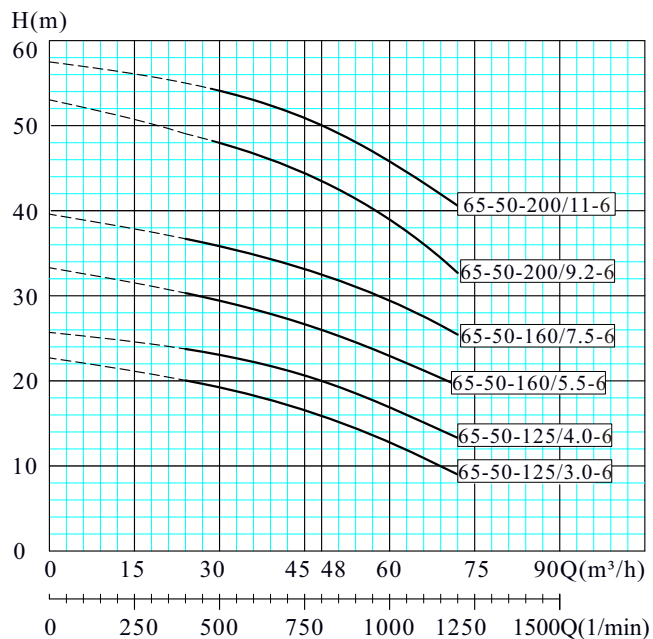
GOL PUMPS - CENTRIFUGAL PUMPS



GSSA Series

Curves

$n=3480\text{rpm}$





Gol Pumps Technology Company
Supply, Import, Export Water Pumps

Gol Pumps Technology

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