

Rotary AC-synchronous motors Series RM-36. Catalogue

Rotor



Stator



Minsk
rev. Nov 2011

	Continuous moment at convection cooling.	Continuous moment at water cooling	Peak moment	Max. velocity at Mp и 540 VDC [S/T],	Max. velocity at Ma и 540 VDC[S/T],	Max. velocity at Mw и 540 VDC [S/T],	Continuos current at 120°C, water cooling at Mw and N=0 Mw, Nw	Continuos current at 120°C, air cooling at Ma and N=0	Peak current at Mp and N=0	Electrical resistance at 20°C (*)	Electrical inductance (*)	The height of motor (excluding output cable)
	Ma, (Nm)	Mw, (Nm)	Mp, (Nm)	Np, (rpm)	Na,(rpm)	Nw, (rpm)	Iw, (Arms)	Ia, (Arms)	Ip, (Arms)	R _{PH} (OM)	L _{PH} , (mH)	H,(mm)
RM36-241-25-FS/FT	66	107	178	200/400	325/589	278/520	8/14	5/8	14/24	7,1/2,4	35,6/11,9	56
RM36-241-50-FS/FT	131	215	356	84/187	156/289	128/251	8/14	5/8	14/24	9,9/3,3	71,3/23,8	82
RM36-241-75-BS/BT	187	307	535	150/294	240/431	209/385	16/28	10/17	30/51	2,9/0,9	23,2/7,7	106
RM36-241-100-BS/BT	249	409	713	105/214	176/320	151/284	16/28	10/17	30/51	3,6/1,2	31,0/10,3	132
RM36-241-150-BS/BT	374	613	1069	58/132	112/209	93/182	16/28	10/17	30/51	4,9/1,6	46,4/15,5	182
RM36-321-25-FS/FT	117	191	317	97 / 213	176/326	146/284	8/14	5/8	14/24	9,5/3,2	47,5/15,8	56
RM36-321-50-FS/FT	233	381	633	35/95	82/158	64/134	8/14	5/8	14/24	13,2/4,4	95,1/31,7	82
RM36-321-75-BS/BT	332	545	950	75 /158	313/239	111/212	16/28	10/17	30/51	3,9/1,3	31,0/10,3	106
RM36-321-100-BS/BT	443	726	1266	50/113	95/177	79/155	16/28	10/17	30/51	4,8/1,6	41,3/13,8	132
RM36-321-150-AS/AT	664	1089	1899	23/67	59/114	47/97	16/28	10/17	30/51	6,5/2,2	61,9/20,6	182
RM36-401-25-FS/FT	182	298	494	52/128	108/204	86/176	8/14	5/8	14/24	11,8/3,9	59,4/19,8	56
RM36-401-50-BS/BT	346	567	989	74/153	126/230	108/204	16/28	10/17	30/51	3,8/1,3	25,8/8,6	82
RM36-401-75-BS/BT	519	851	1483	42/96	81/150	67/132	16/28	10/17	30/51	4,9/1,6	38,7/12,9	106
RM36-401-100-BS/BT	692	1134	1978	25/67	58/111	47/95	16/28	10/17	30/51	5,9/2,0	51,6/17,2	132
RM36-401-150-AS/AT	1037	1702	2966	29/70	60/112	48/97	24/42	14/25	45/77	3,6/1,2	34,4/11,5	182
RM36-482-25-FS/FT	262	429	712	28 /82	72/139	55/117	8/14	15/8	14/24	14,2/4,8	71,3/23,8	56
RM36-482-50-BS/BT	498	817	1423	46/102	85/158	71/139	16/28	10/17	30/51	4,6/1,5	31,0/10,3	82
RM36-482-75-BS/BT	747	1225	2135	24/62	54/103	43/89	16/28	10/17	30/51	5,8/2,0	46,4/15,5	106
RM36-482-100-BS/BT	996	1633	2847	13/42	39/75	29/64	16/28	10/17	30/51	7,1/2,4	61,9/20,6	132
RM36-482-150-AS/AT	1493	2450	4270	16/45	40/76	31/65	24/42	14/25	45/77	4,3/1,4	41,3/13,8	182
RM36-562-50-BS/BT	677	1111	1937	30/71	61/114	50/99	16/28	10/17	30/51	5,3/1,8	36,1/12,0	82
RM36-562-75-AS/AT	1016	1667	2906	34/75	63/116	52/102	24/42	14/25	45/77	3,0/1,0	24,1/8,0	106
RM36-562-100-AS/AT	1355	2222	3874	21/53	45/85	37/74	24/42	14/25	45/77	3,7/1,2	32,1/10,7	132
RM36-562-150-AS/AT	2032	3334	5812	8/30	28/55	21/46	24/42	14/25	45/77	5,0/1,7	48,2/16,1	182
RM36-562-200-AS/AT	2710	4445	7749	1/18	19/39	13/32	24/42	14/25	45/77	6,4/2,0	64,2/21,4	231
RM36-642-50-AS/AT	885	1451	2530	42/89	73/134	62/119	24/42	14/25	45/77	2,7/0,9	18,4/6,1	82
RM36-642-75-AS/AT	1372	2177	3795	23/55	47/88	38/77	24/42	14/25	45/77	3,5/1,2	27,5/9,2	106
RM36-642-100-AS/AT	1770	2903	5060	14/38	34/64	27/55	24/42	14/25	45/77	4,2/1,4	36,7/12,2	132
RM36-642-150-AS/AT	2654	4354	7590	3/21	21/41	14/34	24/42	14/25	45/77	5,7/1,9	55,1/18,4	182
RM36-642-200-AS/AT	3539	5805	10120	-	14/29	8/23	24/42	14/25	45/77	7,3/2,4	73,4/24,5	231

	Continuous moment at convection cooling M_A , Nm	Continuous moment at water cooling M_W , Nm	Peak moment M_p , Nm	Max. velocity at M_A and 600V DC (coil at 20C) [S/T]	Number of poles par P	D, mm	D1, mm	D2, mm	D3, mm	D4, mm	D5, mm	H, mm	h, mm	d1	d	n	n1
RSM- P- 36- 641*25- BS/BT	470	918	1143	106/187	56	750	726	645H7	642.61	616	600H7	80	30	M6		21	18
RSM- P- 36- 641*50- BS/BT	940	1835	2285	51/92								105	55				
RSM- P- 36- 641*75- AS/AT	1410	2753	3428	51/93								130	80				
RSM- P- 36- 641*100- AS/AT	1880	3671	4571	37/69								155	105				
RSM- P- 36- 641*150- AS/AT	2821	5506	6856	23/44								205	155				

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Notes:

1. Motor has peak torque at peak current I_p (2...3 sec)
2. Max temperature of rotor 70°C.
3. The stator has build-in threshold sensor for temperature 120°C.
4. Max. input pressure of liquid fluid - 1,1 bar
5. All data are subject to change without notice
6. All data tolerance $\pm 10\%$.
7. *-optional

Параметр			RP-36-241x25		RP-36-241x 50		RP-36-241x 75		RP-36-241x 100		RP-36-241x 150	
			FS	FT	FS	FT	BS	BT	BS	BT	BS	BT
Peak torque (coil at 20°C)	Mp	Nm	178		356		535		713		1069	
Continuous torque (coil at 120°C), water cooling	Mw	Nm	107		215		307		409		613	
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	49		63		76		90		117	
Continuous torque (coil at 120°C), air cooling	Ma	Nm	66		131		187		249		374	
Detent torque	Md	Nm	49		63		76		90		117	
Rotor inertia	Jr	kgm ²	0.0		0.1		0.1		0.2		0.3	
Number of poles pairs	P		19		19		19		19		19	
Stator height	H	mm	56		82		106		132		182	
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	2766	2855	3793	3859	5185	5304	6286	6396	8500	8602
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	933	995	1251	1294	1564	1644	1878	1951	2515	2582
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	360	403	467	496	594	649	704	753	931	975
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	2.7	2.9	3.6	3.7	4.5	4.7	5.4	5.6	7.2	7.4
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	200	400	84	187	150	294	150	214	58	132
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	278	520	128	251	209	385	151	284	93	182
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	325	589	156	289	240	431	176	320	112	209
Peak current at Mp and N=0	Ip	Arms	14	24	14	24	30/	51	30/	51	30/	51
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	8	14	8	14	16	28	16	28	16	28
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	5	8	5	8	10	17	10	17	10	17
Motor constant (coil at 20°C)	Ko	Nm/√W	4		7		9		11		14	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	11.4	6.6	22.7	13.1	15.9	9.2	21.2	12.2	31.8	18.4
Electrical resistance at 20°C (*)	R	Ohm	7,1	2,4	9,9	3,3	2,9	0,9	3,6	1,2	4,9	1,6
Electrical inductance (*)	L	mH	35,6	11,9	71,3	23,8	23,2	7,7	31,0	10,3	46,4	15,5

Torque motors RP - 36 – 321 - ...

Notes:

8. Motor has peak torque at peak current I_p (2...3 sec)
9. Max temperature of rotor 70°C.
10. The stator has build-in threshold sensor for temperature 120°C.
11. Max. input pressure of liquid fluid - 1,1 bar
12. All data are subject to change without notice
13. All data tolerance $\pm 10\%$.
14. *-optional

Параметр			RP-36-321x25		RP-36-321x 50		RP-36-321x 75		RP-36-321x 100		RP-36-321x 150	
			FS	FT	FS	FT	BS	BT	BS	BT	BS	BT
Peak torque (coil at 20°C)	Mp	Nm	317		633		950		1266		1899	
Continuous torque (coil at 120°C), water cooling	Mw	Nm	191		381		545		726		1089	
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	60		77		93		110		144	
Continuous torque (coil at 120°C), air cooling	Ma	Nm	117		233		332		443		664	
Detent torque	Md	Nm	3		6		9		12		19	
Rotor inertia	Jr	kgm ²	0.1		0.3		0.4		0.5		0.8	
Number of poles pairs	P		25		25		25		25		25	
Stator height	H	mm	56		82		106		132		182	
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	3647	3736	5027	5091	6858	6977	8330	8441	11285	11389
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	1215	1277	1647	1690	2047	2127	2470	2542	3322	3388
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	461	503	609	637	768	820	917	965	1224	1264
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	3.5	3.7	4.7	4.8	5.9	6.1	7.1	7.13	9.5	9.7
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	97	213	35	95	75	158	50	113	23	67
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	146	284	64	134	111	212	79	155	47	97
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	176	326	82	158	313	239	95	177	59	114
Peak current at Mp and N=0	Ip	Arms	14	24	14	24	30	51	30	51	30	51
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	8	14	8	14	16	28	16	28	16	28
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	5	8	5	8	10	17	10	17	10	17
Motor constant (coil at 20°C)	Ko	Nm/√W	7		11		14		17		22	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	20.2	11.7	40.4	23.3	28.2	16.3	37.7	21.7	56.5	32.6
Electrical resistance at 20°C (*)	R	Ohm	9,5	3,2	13,2	4,4	3,9	1,3	4,8	1,6	6,5	2,2
Electrical inductance (*)	L	mH	47,5	15,8	95,1	31,7	31,0	10,3	41,3	13,8	61,9	20,6

* terminal-terminal value ** for connection star ¹ Sum rotor and stator mass

Torque motors RP - 36 – 401 - ...

Notes:

1. Motor has peak torque at peak current I_P (2...3 sec)
2. Max temperature of rotor 70°C.
3. The stator has build-in threshold sensor for temperature 120°C.
4. Max. input pressure of liquid fluid - 1,1 bar
5. All data are subject to change without notice
6. All data tolerance $\pm 10\%$.

Параметр			RP-36-401x25		RP-36-401x 50		RP-36-401x 75		RP-36-401x 100		RP-36-401x 150	
			FS /FT	BS	BT	BS	BT	BS	BT	AS	AT	
Peak torque (coil at 20°C)	Mp	Nm	494	989	1483	1978	2966					
Continuous torque (coil at 120°C), water cooling	Mw	Nm	298	567	851	1134	1702					
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	149	298	426	567	851					
Continuous torque (coil at 120°C), air cooling	Ma	Nm	182	346	519	692	1037					
Detent torque	Md	Nm	5	10	14	19	29					
Rotor inertia	Jr	kgm ²	0.3	0.5	0.8	1.1	1.6					
Number of poles pairs	P		31	31	31	31	31					
Stator height	H	mm	56	82	106	132	182					
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	4526	4617	6698	6837	8530	8650	10373	10485	14142	14294
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	1498	1559	2010	2103	2532	2611	3062	3134	4175	4273
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	562	603	759	824	941	993	1129	1176	1540	1604
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	4.3	4.5	5.8	6.0	7.3	7.5	8.8	9.0	12.0	12.2
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	52	128	74	153	42	96	25	67	29	70
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	86	176	108	204	67	132	47	95	48	97
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	108	204	126	230	81	150	58	111	60	112
Peak current at Mp and N=0	Ip	Arms	14	24	30	51	30	51	30	51	45	77
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	8	14	16	28	16	28	16	28	24	42
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	5	8	10	17	10	17	10	17	14	25
Motor constant (coil at 20°C)	Ko	Nm/√W	9		15		20		24		31	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	31.5	18.2	29.4	17.0	44.1	25.5	58.8	31.0	58.8	34.0
Electrical resistance at 20°C (*)	R	Ohm	11,8	3,9	3,8	1,3	4,9	1,6	5,9	2,0	3,6	1,2
Electrical inductance (*)	L	mH	59,4	19,8	25,8	8,6	38,7	12,9	51,6	17,2	34,4	11,5

* terminal-terminal value ** for connection star ¹ Sum rotor and stator mass

Torque motors RP -36 - 482 - ...

Notes:

1. Motor has peak torque at peak current I_P (2...3 sec)
2. Max temperature of rotor 70°C.
3. The stator has build-in threshold sensor for temperature 120°C.
4. Max. input pressure of liquid fluid - 1,1 bar
5. All data are subject to change without notice
6. All data tolerance $\pm 10\%$.

		Unit	RP-36-482x25	RP-36-482x 50	RP-36-482x 75	RP-36-482x 100	RP-36-482x 150					
Параметр							AS/AT					
Peak torque (coil at 20°C)	Mp	Nm	712	1423	2135	2847	4270					
Continuous torque (coil at 120°C), water cooling	Mw	Nm	429	817	1225	1633	2450					
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	335	638	957	1276	1914					
Continuous torque (coil at 120°C), air cooling	Ma	Nm	262	498	747	996	1493					
Detent torque	Md	Nm	7	14	21	28	42					
Rotor inertia	Jr	kgm ²	0.5	1.0	1.4	1.9	2.9					
Number of poles pairs	P		37	37	37	37	37					
Stator height	H	mm	56	82	106	132	182					
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	5405	5497	7998	8138	10201	10323	12414	1259	16926	17081
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	1780	1841	2386	2478	3016	3095	3654	3726	4983	5081
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	664	704	894	955	1115	1167	1342	1389	1830	1894
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	5.1	5.3	6.8	7.1	8.6	8.9	10.5	10.7	14.3	14.6
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
3 phases winding combination			FS	FT	BS	BT	BS	BT	BS	BT	AS	AT
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	28	82	46	102	24	62	13	42	16	45
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	55	117	71	139	43	89	29	64	31	65
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	72	139	85	158	54	103	39	75	40	76
Peak current at Mp and N=0	Ip	Arms	14	24	30	51	30	51	30	51	45	77
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	8	14	16	28	16	28	16	28	24	42
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	15	8	10	17	10	17	10	17	14	25
Motor constant (coil at 20°C)	Ko	Nm/√W	12		20		26		32		41	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	45.4	26.2	42.3	24.4	63.5	36.7	84.7	48.9	84.7	48.9
Electrical resistance at 20°C (*)	R	Ohm	14,2	4,8	4,6	1,5	5,8	2,0	7,1	2,4	4,3	1,4
Electrical inductance (*)	L	mH	71,3	23,8	31,0	10,3	46,4	15,5	61,9	20,6	41,3	13,8

* terminal-terminal value ** for connection star ¹ Sum rotor and stator mass

Torque motors RSM - P - 36 - 550 - ...

Notes:

1. Motor has peak torque at peak current I_P (2...3 sec)
2. Max temperature of rotor 70°C.
3. The stator has build-in threshold sensor for temperature 120°C.
4. Max. input pressure of liquid fluid - 1,1 bar
5. All data are subject to change without notice
6. All data tolerance $\pm 10\%$.

		Unit	RP-36-562x50		RP-36-562x 75		RP-36-562x 100		RP-36-562x 150		RP-36-562x 200	
Параметр												
Peak torque (coil at 20°C)	Mp	Nm	1937		2906		3874		5812		7749	
Continuous torque (coil at 120°C), water cooling	Mw	Nm	1111		1667		2222		3334		4445	
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	868		1302		1736		2604		3473	
Continuous torque (coil at 120°C), air cooling	Ma	Nm	677		1016		1355		2032		2710	
Detent torque	Md	Nm	19		28		38		57		75	
Rotor inertia	Jr	kgm ²	1.6		2.3		3.1		4.7		6.2	
Number of poles pairs	P		43		43		43		43		43	
Stator height	H	mm	82		106		132		182		231	
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	9298	9439	11958	12137	14537	14704	19709	19868	24885	25046
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	2763	2855	3554	3672	4296	4403	5790	5888	7291	7384
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	1029	1089	1324	1402	1587	1657	2120	2184	2658	2718
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	7,9	8,2	10,2	10,5	12,3	12,6	16,6	16,9	20,9	21,1
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
3 phases winding combination			BS	BT	AS	AT	AS	AT	AS	AT	AS	AT
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	30	71	34	75	21	53	8	30	1	18
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	50	99	52	102	37	74	21	46	13	32
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	61	114	63	116	45	85	28	55	19	39
Peak current at Mp and N=0	Ip	Arms	30	51	45	77	45	77	45	77	45	77
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	16	28	24	42	24	42	24	42	24	42
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	10	17	14	25	14	25	14	25	14	25
Motor constant (coil at 20°C)	Ko	Nm/√W	25		33		40		51		61	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	57,6	33,3	57,6	33,3	76,8	44,4	115,2	66,5	153,7	88,7
Electrical resistance at 20°C (*)	R	Ohm	5,3	1,8	3,0	1,0	3,7	1,2	5,0	1,7	6,4	2,0
Electrical inductance (*)	L	mH	36,1	12,0	24,1	8,0	32,1	10,7	48,2	16,1	64,2	21,4

* terminal-terminal value ** for connection star ¹ Sum rotor and stator mass

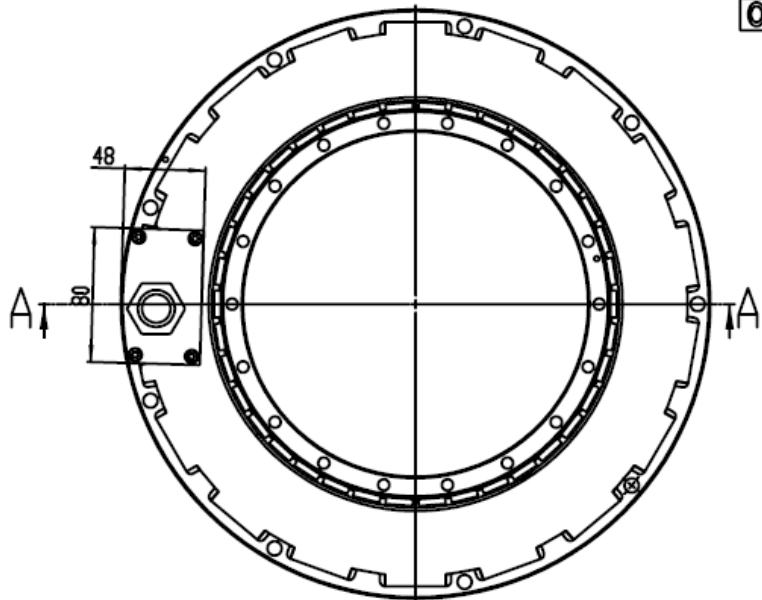
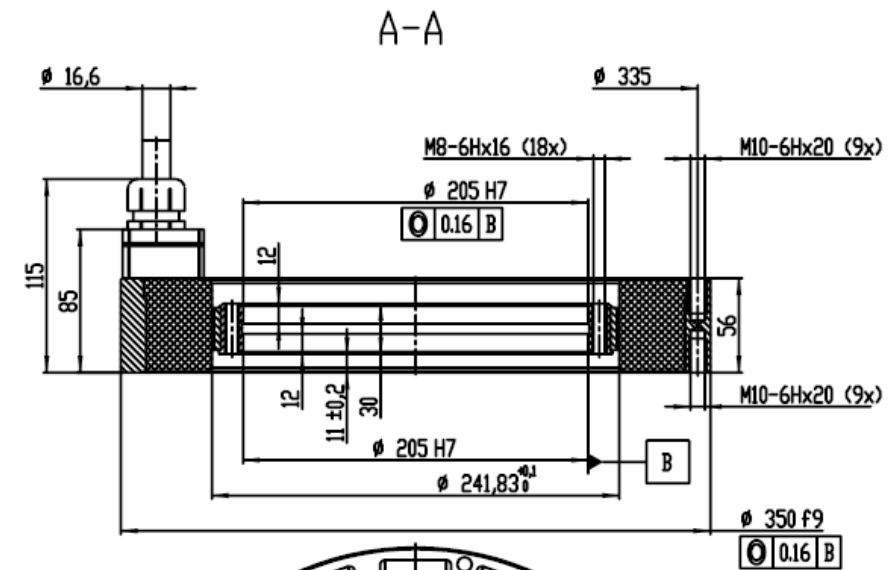
Torque motors RSM - P - 36 - 642 - ...

Notes:

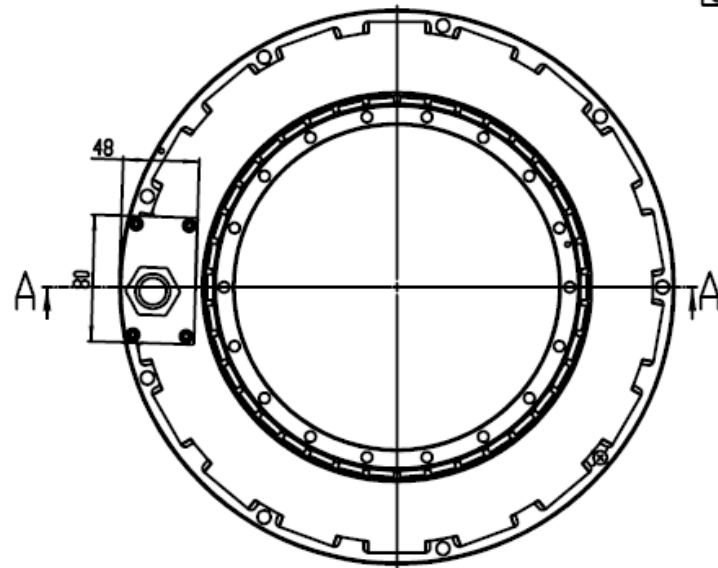
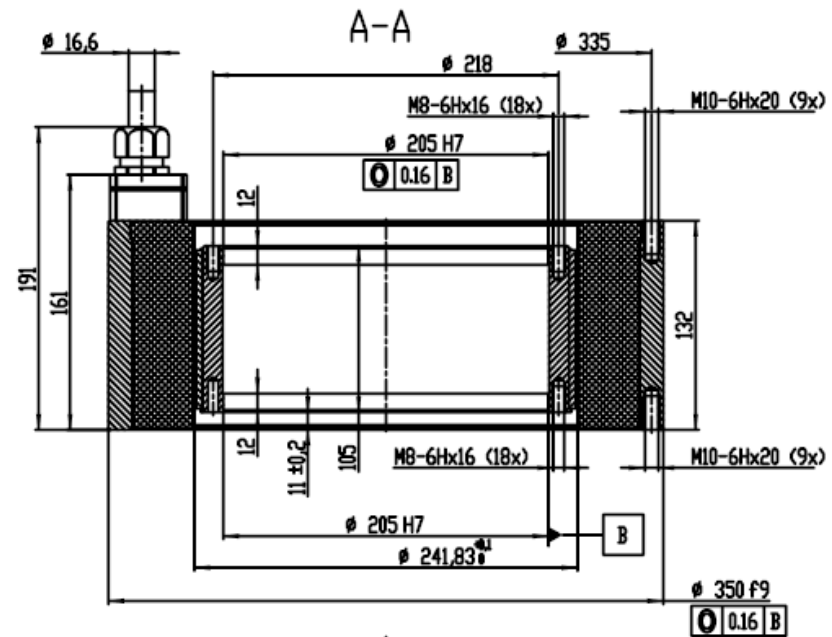
1. Motor has peak torque at peak current I_P (2...3 sec)
2. Max temperature of rotor 70°C.
3. The stator has build-in threshold sensor for temperature 120°C.
4. Max. input pressure of liquid fluid - 1,1 bar
5. All data are subject to change without notice
6. All data tolerance $\pm 10\%$.

		Unit	RP-36-642x50		RP-36-642x 75		RP-36-642x 100		RP-36-642x 150		RP-36-642x 200	
Параметр												
Peak torque (coil at 20°C)	Mp	Nm	2530		3795		5060		7590		10120	
Continuous torque (coil at 120°C), water cooling	Mw	Nm	1451		2177		2903		4354		5805	
Continuous stall torque (coil at 120°C), water cooling	Ms	Nm	1134		1701		2268		3401		4535	
Continuous torque (coil at 120°C), air cooling	Ma	Nm	885		1372		1770		2654		3539	
Detent torque	Md	Nm	25		37		49		74		99	
Rotor inertia	Jr	kgm ²	2.4		3.6		4.8		7.2		9.5	
Number of poles pairs	P		49		49		49		49		49	
Stator height	H	mm	82		106		132		182		231	
Motor mass ¹	m	kg										
Peak power dissipation (coil at 20°C)**	Pp	W	10696	10903	13630	13810	16579	16748	22490	22654	28401	28572
Continuous power dissipation (coil at 120°C), water cooling**	Pw	W	3202	3340	4039	4156	4888	4995	6598	6696	8314	8408
Continuous power dissipation (coil at 120°C), air cooling**	Pa	W	1205	1297	1498	1575	1799	1869	2411	2474	3026	3086
Coolant flow for temperature difference 5°C by power Pw**	Cf	L/min	9.2	9.6	11.6	11.9	14.0	14.3	18.9	19.2	23.8	24.1
Recommended supply voltage DC	Us	V	540	540	540	540	540	540	540	540	540	540
3 phases winding combination			AS	AT	AS	AT	AS	AT	AS	AT	AS	AT
Maximum velocity at Mp and Us (Coil at 20°C)	Np	rpm	42	89	23	55	14	38	3	21		
Maximum velocity at Mw and Us (Coil at 20°C)	Nw	rpm	62	119	38	77	27	55	14	34	8	23
Maximum velocity at Ma and Us (Coil at 20°C)	Na	rpm	73	134	47	88	34	64	21	41	14	29
Peak current at Mp and N=0	Ip	Arms	45	77	45	77	45	77	45	77	45	77
Continuos current at 120°C, water cooling at Mw and N=0	Iw	Arms	24	42	24	42	24	42	24	42	24	42
Continuos current at 120°C, air cooling at Ma and N=0	Ia	Arms	14	25	14	25	14	25	14	25	14	25
Motor constant (coil at 20°C)	Ko	Nm/√W	31		41		49		63		74	
Back EMF constant (*) (peak phase-phase)	Ku	V/(rad/s)	50.2	29	75.3	43.4	100.3	57.9	150.5	86.9	200.7	115.9
Electrical resistance at 20°C (*)	R	Ohm	2,7	0,9	3,5	1,2	4,2	1,4	5,7	1,9	7,3	2,4
Electrical inductance (*)	L	mH	18,4	6,1	27,5	9,2	36,7	12,2	55,1	18,4	73,4	24,5

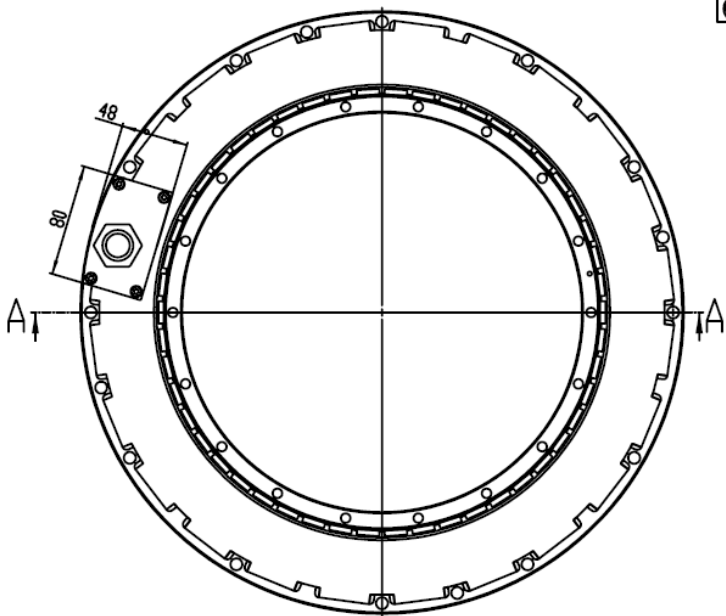
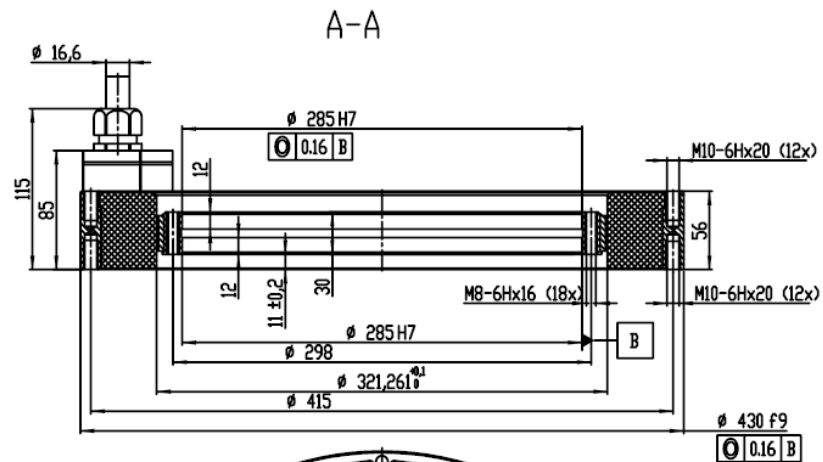
* terminal-terminal value ** for connection star ¹ Sum rotor and stator mass



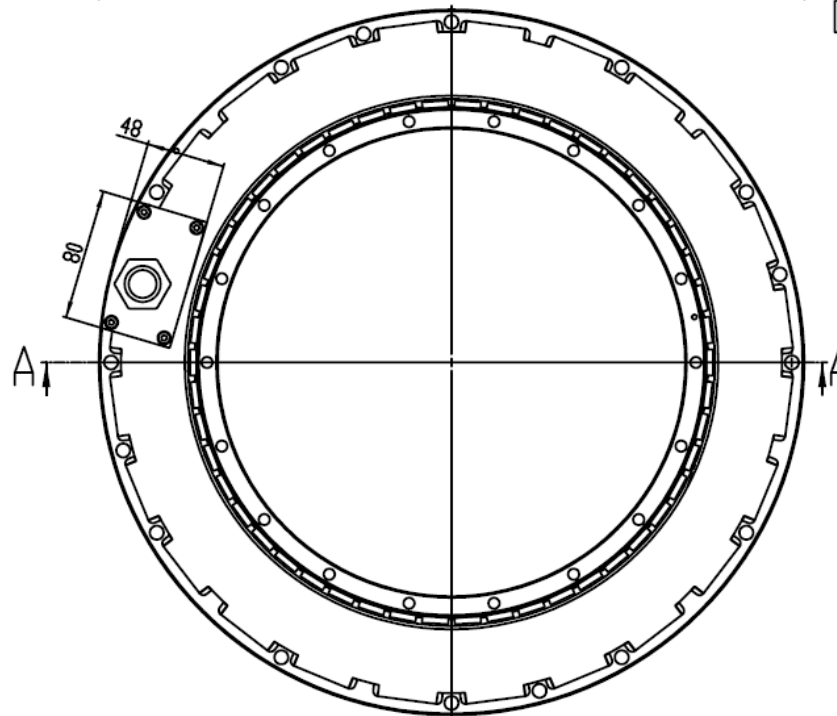
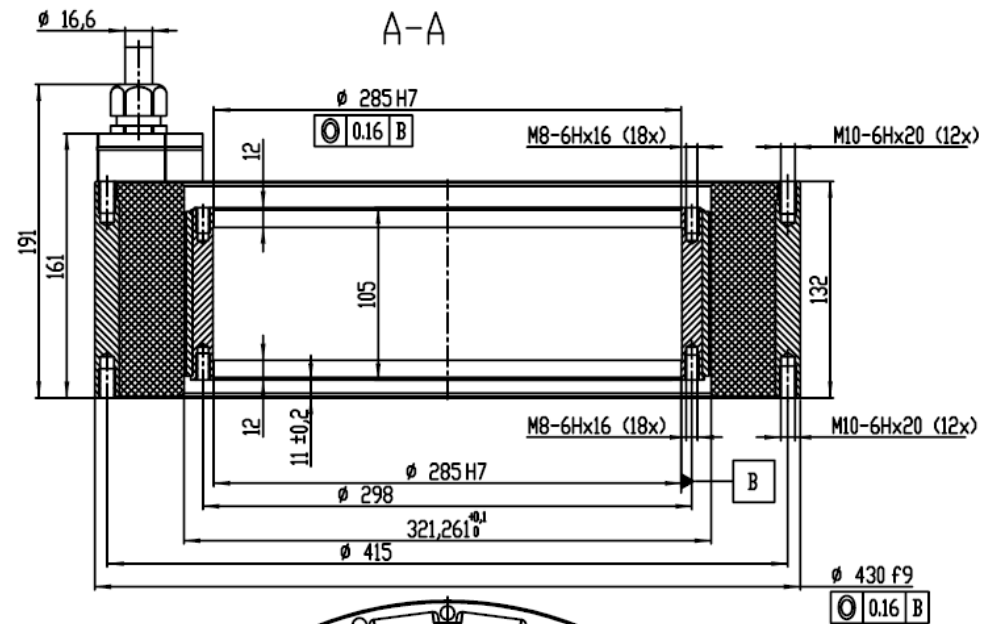
Статор (Stator) RP36-241-25-C-AS-1000-ND-A, вес (weight) - 13 kg
 Ротор (Rotor) RS36-241-25-A, вес (weight) - 2.5 kg



Статор (Stator) RP36-241-100-C-AS-1000-ND-A, вес (weight) - 35 kg
 Ротор (Rotor) RS36-241-100-A, вес (weight) - 9 kg

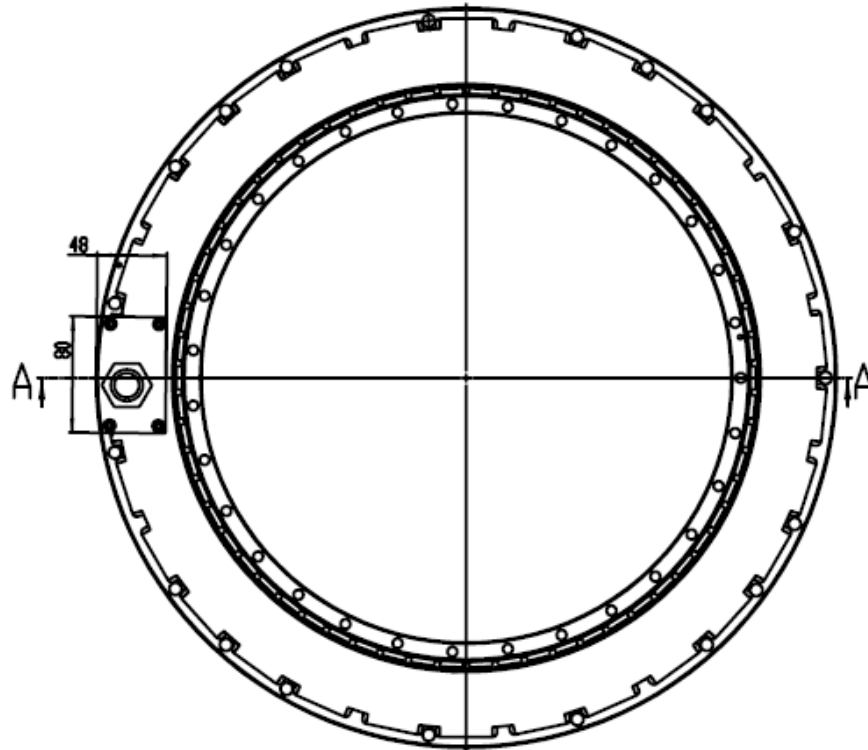
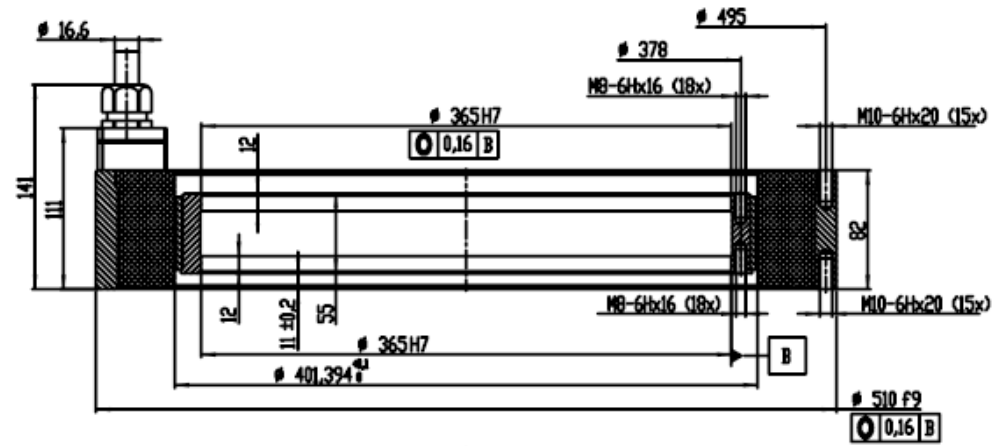


Статор (Stator) RP36-321-25-C-AS-1000-ND-A, вес (weight) - 16.5 kg
 Ротор (Rotor) RS36-321-25-A, вес (weight) - 3.5 kg



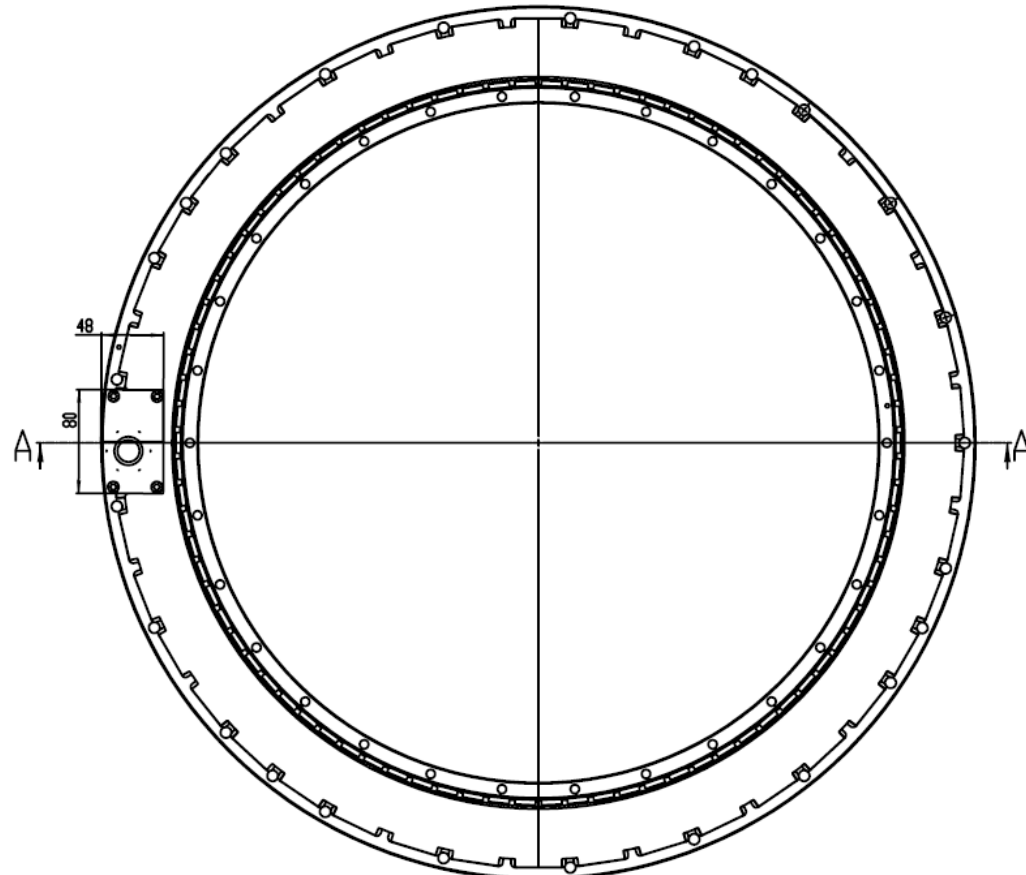
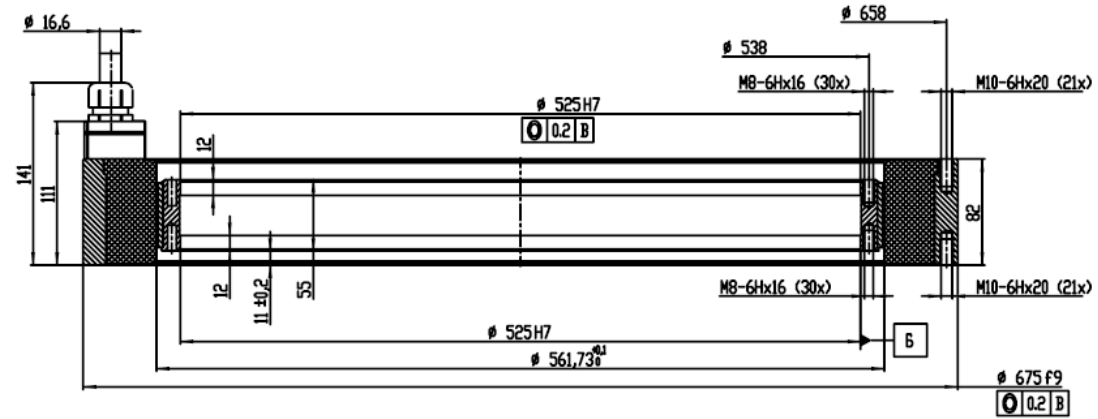
Статор (Stator) RP36-321-100-C-AS-1000-ND-A, вес (weight) - 45 kg
 Ротор (Rotor) RS36-321-100-A, вес (weight) - 13 kg

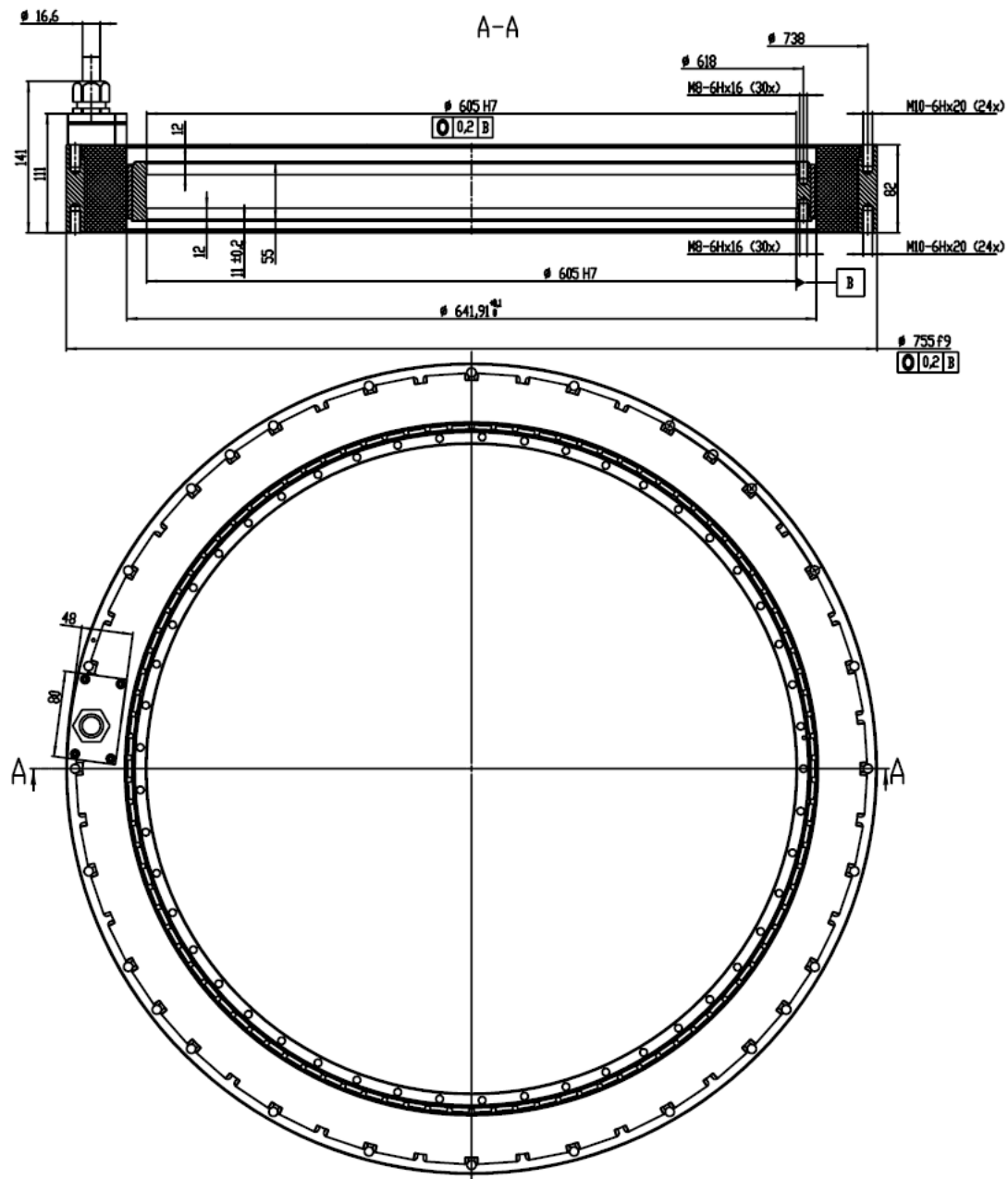
A-A



Статор (Stator) RP36-401-50-C-AS-1000-ND-A, sec (weight) - 32 kg
 Ротор (Rotor) RS36-401-50-A, sec (weight) - 8 kg

A-A





Статор (Stator) RP36-642-50-C-AS-1000-M0-A, sec (weight) - 51 kg
 Ротор (Rotor) RS36-642-50-A, sec (weight) - 13 kg