



ГАБАРИТНЫЕ И УСТАНОВОЧНО-ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ ДВИГАТЕЛЕЙ 5AI

Тип двигателя	Число полюсов	Габаритные размеры			Установочные и присоединительные размеры, мм													
		l30	h31	d24	l1	l10	l31	d1	d10	d20	d22	d25	b1	b10	h1	h10	h	
5AI56	2;4	218	148	140	23	71	36	11	6	115	10	95	4	90	4	7	56	
5AI63	2;4	240	180	160	30	80	40	14		130		110	5	100	5	100	5	8
5AI71	2;4;6;8	280	190	200	40	90	45	19	8	165	12	130	6	112	6	9	80	
5AI80A	2;4;6;8	296	204		50	100	50	22						125				56
5AI80B	2;4;6;8	320	250	250	60	140	63	28	12	215	14	180	8	160	7	13	100	
5AI90L	4	350				112		28						140		13	100	
5AI100L	2;4;6;8	385	265	300	80	140	70	32	15	265	15	230	10	190	8	14	112	
5AI100S	2;4	365	112			28		140						15		112		
5AI112M	2;4;6;8 (MA;MB)	433	270	350	110	178	108	42	15	300	19	250	10	254	8	15	132	
5AI132S	4; 6; 8	500	345			48		42						18		132		
5AI132M	2; 4; 6; 8	500	330	400	110	210	121	48	15	350	300	14	279	9	22	20	160	
5AI160S	2	615	420			48		42						20		160		
5AI160M	4; 6; 8	670	400	400	110	203	121	48	15	350	300	14	279	9	22	180		
5AI180S	2	670				455		48						48		22	180	
5AI180M	4; 6; 8	700	450	450	140	241	133	55	19	400	80 отв. d19	350	16	279	25	200		
5AI200L	2	720				445		55						55		200		
5AI200M	4; 6; 8	690	447	550	140	305	216	55	24	500	80 отв. d19	450	18	318	32	250		
5AI225M	2	770	510			55		55						250				
5AI250S	4; 6; 8	800	500	660	170	267	190	60	24	600	80 отв. d24	550	18	356	44	225		
5AI250M	2	760	505			65		65						225				
5AI280S	4; 6; 8	800	500	660	170	311	190	65	24	600	80 отв. d24	550	20	406	46	250		
5AI280M	2	840	550			75		75						250				
5AI315S	4; 6; 8; 10; 12	910	610	660	170	349	216	70	28	740	80 отв. d24	680	28	406	52	315		
5AI315M	2	910	610			550		75						315				
5AI355S	4; 6; 8	1140	660	660	170	368	254	80	28	740	80 отв. d24	680	28	406	52	355		
5AI355M	10; 12	1170	675			550		80						355				
5AI355MLA	4; 6; 8	1180	675	660	170	419	254	70	28	740	80 отв. d24	680	28	406	52	355		
	2	1210	865			550		80						355				

№ п/п	Тип	номинальная мощность кВт	синхронная частота вращения (об/мин.)	номинальный ток (А) при 380 В	КПД (%)	cos φ	$M_{max}$ $M_n$	$M_n$ $M_n$	$I_n$ $I_n$	Вес (кг)
1	5АИ56А2	0.18	3000	0.55	62	0.8	2.2	2.2	5.5	4.7
2	5АИ56В2	0.25	3000	0.72	65	0.81	2.2	2.2	5.5	4.5
3	5АИ56А4	0.12	1500	0.54	53	0.63	2.2	2.1	4.4	4.9
4	5АИ56В4	0.18	1500	0.73	56	0.67	2.2	2.1	4.4	4.7
5	5АИ63А2	0.37	3000	0.99	70	0.81	2.2	2.2	6.1	9
6	5АИ63В2	0.55	3000	1.4	73	0.82	2.3	2.2	6.1	9.5
7	5АИ63А4	0.25	1500	0.79	65	0.74	2.2	2.1	5.2	9
8	5АИ63В4	0.37	1500	1.12	67	0.75	2.2	2.1	5.2	9.5
9	5АИ63А6	0.18	1000	0.74	56	0.66	2	1.9	4	9.5
10	5АИ63В6	0.25	1000	0.94	59	0.68	2	1.9	4	10
11	5АИ71А2	0.75	3000	1.77	71	0.9	2.3	2.2	6.1	9.5
12	5АИ71В2	1.1	3000	2.5	73	0.91	2.3	2.2	6.1	11.7
13	5АИ71А4	0.55	1500	1.67	70.5	0.71	2.3	2.4	5.2	9.6
14	5АИ71В4	0.75	1500	2.18	72.5	0.72	2.3	2.4	6	11.6
15	5АИ71А6	0.37	1000	1.2	67	0.69	2	1.9	4.7	11.3
16	5АИ71В6	0.55	1000	1.73	69	0.7	2.1	1.9	4.7	12.3
17	5АИ71В8	0.25	750	1.27	50	0.6	1.9	1.8	3.3	11.7
18	5АИ80А2	1.5	3000	3.4	79	0.84	2.3	2.2	7	15.5
19	5АИ80В2	2.2	3000	4.8	81	0.85	2.3	2.2	7	19.5
20	5АИ80А4	1.1	1500	2.9	75	0.77	2.3	2.3	6	15.7
21	5АИ80В4	1.5	1500	3.7	78	0.79	2.3	2.3	6	18
22	5АИ80А6	0.75	1000	2.3	69	0.72	2.1	2	5.5	15.7
23	5АИ80В6	1.1	1000	3.2	72	0.73	2.1	2	5.5	19.5
24	5АИ80А8	0.37	750	1.5	62	0.61	1.9	1.8	4	17
25	5АИ80В8	0.55	750	2.17	63	0.61	2	1.8	4	22
26	5АИ90L2	3	3000	6.2	83	0.89	2.3	2.2	7.5	23.5
27	5АИ90L4	2.2	1500	5.3	78	0.82	2.3	2.3	7	33
28	5АИ90L6	1.5	1000	4.1	75	0.75	2.1	2	5.5	24.5
29	5АИ90LА8	0.75	750	2.1	75	0.73	2	1.8	4	25.5
30	5АИ90LВ8	1.1	750	3	77	0.72	2	1.8	4	25.5
31	5АИ100S2	4	3000	8.1	84	0.89	2.3	2.2	7.5	32.5
32	5АИ100L2	5.5	3000	11	85	0.89	2.3	2.2	7.5	36.5
33	5АИ100S4	3	1500	6.8	82	0.82	2.3	2.3	7	34
34	5АИ100L4	4	1500	8.8	82	0.84	2.3	2.3	7	36.5
35	5АИ100L6	2.2	1000	5.6	76	0.76	2.1	2.1	6.5	32.5
36	5АИ100L8	1.5	750	4.6	74	0.67	2	1.8	5	36.5
37	5АИ112M2	7.5	3000	15.07	86	0.88	2.3	2.2	7.5	45
38	5АИ112M4	5.5	1500	11.7	86	0.83	2.3	2.3	7	67
39	5АИ112МА6	3	1000	7.3	81	0.77	2.1	2.1	6.5	47.5
40	5АИ112МВ6	4	1000	9.6	81	0.78	2.1	2.1	6.5	52
41	5АИ112МА8	2.2	750	6.3	76	0.69	2	1.8	6	42.5
42	5АИ112МВ8	3	750	8	80	0.71	2	1.8	6	50.5
43	5АИ132M2	11	3000	21.1	88	0.9	2.3	2.2	7.5	77.5
44	5АИ132S4	7.5	1500	15.6	87.2	0.84	2.3	2.3	7	75
45	5АИ132M4	11	1500	22.2	88.5	0.85	2.3	2.2	7.5	83.5
46	5АИ132S6	5.5	1000	12.9	84	0.77	2.1	2.1	7	71
47	5АИ132М6	7.5	1000	16.5	85.5	0.81	2.1	2	7	81.5
48	5АИ132S8	4	750	10.5	83	0.7	2	1.9	6	68.5
49	5АИ132M8	5.5	750	13.6	83	0.74	2	2	6	82
50	5АИ160S2	15	3000	28.8	89.0	0.89	2.3	2.2	7.5	118.0
51	5АИ160M2	18.5	3000	34.7	90.0	0.90	2.3	2.2	7.5	141.0
52	5АИ160S4	15	1500	30.1	89.0	0.85	2.3	2.2	7.5	135.0
53	5АИ160M4	18.5	1500	36.0	90.5	0.86	2.3	2.2	7.5	150.0
54	5АИ160S6	11	1000	24.2	87.5	0.79	2.1	2.0	6.5	134.0
55	5АИ160M6	15	1000	33	89.0	0.78	2.1	2.1	7.0	154.0
56	5АИ160S8	7.5	750	17.8	85.5	0.75	2.0	2.0	6.0	132.0
57	5АИ160M8	11	750	24.9	87.0	0.77	2.0	2.0	6.6	152.0
58	5АИ180S2	22	3000	41	90.5	0.90	2.3	2.0	7.5	170.0
59	5АИ180M2	30	3000	55	91.4	0.90	2.3	2.0	7.5	203.0
60	5АИ180S4	22	1500	43.2	91.0	0.85	2.3	2.2	7.5	175.0
61	5АИ180M4	30	1500	56.3	91.4	0.86	2.3	2.2	7.2	201.0
62	5АИ180M6	18.5	1000	36.9	89.5	0.85	2.1	2.1	6.5	180.0
63	5АИ180M8	15	750	31.3	89.0	0.82	2.0	2.0	6.6	180.0
64	5АИ200M2	37	3000	67.9	92.0	0.90	2.3	2.0	7.5	246.0
65	5АИ200L2	45	3000	82.3	92.3	0.90	2.3	2.0	7.5	282.0
66	5АИ200M4	37	1500	70.9	91.0	0.92	2.3	2.2	7.2	248.0
67	5АИ200L4	45	1500	85	92.6	0.87	2.3	2.2	7.2	280.0
68	5АИ200M6	22	1000	44.7	90.0	0.83	2.1	2.1	7.0	233.0
69	5АИ200L6	30	1000	59.6	90.0	0.85	2.1	2.0	7.0	228.0
70	5АИ200M8	18.5	750	39	89.0	0.81	2.0	1.9	6.6	235.0
71	5АИ200L8	22	750	45.8	90.0	0.81	2.0	1.9	6.6	250.0
72	5АИ225M2	55	3000	100	92.5	0.91	2.3	2.0	7.5	318.0
73	5АИ225M4	55	1500	101.8	92.0	0.89	2.3	2.2	7.2	331.0
74	5АИ225M6	37	1000	72.7	91.0	0.85	2.1	2.1	7.0	290.0
75	5АИ225M8	30	750	62.2	90.5	0.81	2.0	1.9	6.6	307.0
76	5АИ250S2	75	3000	135	92.5	0.91	2.3	2.0	7.5	395.0
77	5АИ250M2	90	3000	161.1	93.0	0.91	2.3	2.0	7.5	410.0
78	5АИ250S4	75	1500	145	92.2	0.95	2.3	2.2	7.2	425.0
79	5АИ250M4	90	1500	167.2	94.0	0.87	2.3	2.2	7.2	430.0
80	5АИ250S6	45	1000	85	91.4	0.87	2.0	2.1	7.0	392.0
81	5АИ250M6	55	1000	105	92.5	0.86	2.0	2.1	7.0	430.0
82	5АИ250S8	37	750	78.3	92.0	0.78	2.0	1.9	6.6	390.0
83	5АИ250M8	45	750	93.7	92.5	0.79	2.0	1.8	6.6	410.0
84	5АИ280S2	110	3000	199	93.5	0.90	2.2	1.8	7.1	616.0
85	5АИ280M2	132	3000	230.7	94.5	0.92	2.2	1.8	7.1	590.0
86	5АИ280S4	110	1485	202	95.1	0.87	2.2	2.1	6.9	590.0
87	5АИ280M4	132	1485	235.2	95.8	0.89	2.2	2.1	6.9	664.0
88	5АИ280S6	75	1000	140	93.5	0.86	2.0	2.0	7.0	590.0
89	5АИ280M6	90	1000	170.2	94.5	0.85	2.0	2.0	7.0	584.0
90	5АИ280S8	55	750	113	92.0	0.80	2.0	1.8	6.6	620.0
91	5АИ280M8	75	750	147.8	94.0	0.82	2.0	1.8	6.6	654.0
92	5АИ315S2	160	3000	279	94.6	0.92	2.2	1.8	7.1	1024.0
93	5АИ315M2	200	3000	348	94.8	0.92	2.2	1.8	7.1	1082.0
94	5АИ315S4	160	1500	287.8	94.9	0.89	2.2	2.1	6.9	1000.0
95	5АИ315M4	200	1500	359.4	95.0	0.89	2.2	2.1	6.9	1128.0
96	5АИ315S6	110	1000	206	94.0	0.86	2.0	2.0	6.7	1045.0
97	5АИ315M6	132	1000	244	94.2	0.87	2.0	2.0	6.7	1094.0
98	5АИ315S8	90	750	178	93.8	0.83	2.0	1.8	6.6	1050.0
99	5АИ315M8	110	750	217	94.0	0.82	2.0	1.8	6.4	1132.0
100	5АИ355S4	250	1500	440	95.3	0.90	2.2	2.1	6.9	1546.0
101	5АИ355M4	315	1500	556	95.6	0.90	2.2	2.1	6.9	1862.0
102	5АИ355S6	160	1000	287	94.5	0.88	2.0	1.9	6.7	1620.0
103	5АИ355M6	200	1000	356	94.7	0.88	2.0	1.9	6.7	1748.0
104	5АИ355S8	132	750	255	93.7	0.82	2.0	1.8	6.4	1564.0
105	5АИ355M8	160	750	307	94.2	0.82	2.0	1.8	6.4	1634.0
106	5АИ355M10	110	600	230	93.2	0.78	2.0	1.3	6.0	1548
107	5АИ355MLA6	250	1000	467.9	94.5	0.86	2.0	1.9	7.0	1880