

Electrical Data for Regulating Duty

auma®		Electrical Data Regulating Duty							SAR3 -SAR100			
Model	Output Speed at 50Hz rpm#	Modulating Torque Nm	Three phase Squirrel cage AC Motor 415V, 50 Hz							Power Factor Cos Ø	Full Load Efficiency (%)	
			Nominal output kW	Speed rpm	Size	Nominal Current / Full Load Current* A	Current at Max. Torque ¹ A	Starting Current A				
SAR3	1	20	0.06	1400	63	0.29	0.31	1.2	0.6	48		
	16		0.06	1400	63	0.29	0.38	1.2	0.6	48		
	22		0.06	1400	63	0.29	0.50	1.2	0.6	48		
	32		0.12	1400	63	0.65	0.87	2.3	0.53	50		
	45		0.18	1400	71	0.69	1.00	4.2	0.54	67		
SAR6	4	30	0.06	1400	63	0.29	0.29	1.2	0.6	48		
	5.6		0.06	1400	63	0.29	0.31	1.2	0.6	48		
	8		0.06	1400	63	0.29	0.38	1.2	0.6	48		
	1		0.12	1400	63	0.65	0.7	2.3	0.53	50		
	16		0.12	1400	63	0.65	0.87	2.3	0.53	50		
	22		0.12	1400	63	0.65	1.2	2.3	0.53	50		
	32		0.25	1400	71	1.2	1.45	4.6	0.5	60		
	45		0.25	1400	71	1.2	1.86	4.6	0.5	60		
	SAR12		4	60	0.06	1400	63	0.29	0.38	1.2	0.6	48
5.6		0.12	1400		63	0.65	0.7	2.3	0.53	50		
8		0.12	1400		63	0.65	0.87	2.3	0.53	50		
11		0.12	1400		63	0.65	1.2	2.3	0.53	50		
16		0.25	1400		71	1.2	1.45	4.6	0.5	60		
22		0.25	1400		71	1.2	1.80	4.6	0.5	60		
32		0.55	1400		71	1.75	2.52	7.6	0.66	67		
45		0.55	1400		71	1.75	3.52	7.6	0.66	67		
SAR15		4	75		0.06	1400	63	0.29	0.45	1.2	0.6	48
	5.6	0.12		1400	63	0.65	0.8	2.3	0.53	50		
	8	0.12		1400	63	0.65	1.2	2.3	0.53	50		
	11	0.25		1400	71	1.2	1.36	4.6	0.5	60		
	16	0.25		1400	71	1.2	1.66	4.6	0.5	60		
	22	0.55		1400	71	1.75	2.20	7.6	0.66	67		
	32	0.55		1400	71	1.75	3.08	7.6	0.66	67		
	SAR25	4		125	0.12	1400	63	0.65	0.95	2.3	0.53	50
		5.6			0.25	1400	71	1.2	1.29	4.6	0.5	60
8		0.25	1400		71	1.2	1.64	4.6	0.5	60		
11		0.55	1400		71	1.75	1.92	7.6	0.66	67		
16		0.55	1400		71	1.75	2.60	7.6	0.66	67		
22		0.55	1400		71	1.75	3.58	7.6	0.66	67		
32		1.1	1400		90	2.9	4.80	25.0	0.72	75		
45		1.1	1400		90	2.9	6.67	25.0	0.72	75		
SAR30		4	150		0.12	1400	63	0.65	1.2	2.3	0.53	50
	5.6	0.25		1400	71	1.2	1.39	4.6	0.5	60		
	8	0.25		1400	71	1.2	1.77	4.6	0.5	60		
	11	0.55		1400	71	1.75	2.2	7.6	0.66	67		
	16	0.55		1400	71	1.75	3.08	7.6	0.66	67		
	22	1.1		1400	90	2.9	3.95	25.0	0.72	75		
	32	1.1		1400	90	2.9	5.75	25.0	0.72	75		
	45	2.2		1400	90	5.7	8.00	35	0.7	77		
	SAR50	4		250	0.25	1400	71	1.2	1.48	4.6	0.5	60
5.6		0.55	1400		71	1.75	1.95	7.6	0.66	67		
8		0.55	1400		71	1.75	2.60	7.6	0.66	67		
11		0.55	1400		71	1.75	3.58	7.6	0.66	67		
16		1.1	1400		90	2.9	4.8	25.0	0.72	75		
22		1.1	1400		90	2.9	6.65	25.0	0.72	75		
32		2.2	1400		90	5.7	9.06	35	0.7	77		
45		2.2	1400		90	5.7	13.4	35	0.7	77		
SAR60		4	300		0.25	1400	71	1.2	1.67	4.6	0.5	60
	5.6	0.55		1400	71	1.75	2.2	7.6	0.66	67		
	8	0.55		1400	71	1.75	3.08	7.6	0.66	67		
	16	1.1		1400	90	2.9	5.75	25.0	0.72	75		
	22	2.2		1400	90	5.7	7.92	35	0.7	77		
	32	2.2		1400	90	5.7	11.1	35	0.7	77		
SAR100	4	500	0.55	1400	71	1.75	2.55	7.6	0.66	67		
	5.6		0.75	1400	90	1.85	3.85	12.0	0.75	75		
	8		0.75	1400	90	1.85	4.65	12.0	0.75	75		
	11		1.1	1400	90	2.9	6.65	25.0	0.72	75		
	16		2.2	1400	90	5.7	9.06	35	0.7	77		
	22		2.2	1400	90	5.7	12.5	35	0.7	77		
	32		4.00	1400	112	8.3	18.5	56	0.8	84		
	45		4.00	1400	112	8.3	27	56	0.8	84		

Permissible voltage variation: ± 10%. Permissible frequency variation: ± 5%, Permissible combined variation: 10% if voltage drops below there will be reduction of nominal output. Auma motors are provided with 3 thermo switches one in each winding connected in series to protect windings. Our Warranty is void if those thermo switches are not connected in control circuit.

Motor data are approximate. Due to usual manufacturing tolerances there may be deviations from the values given.

* Whenever actuators are supplied with Integral starter with TOLR, the tripping current set on the TOLR Is same as normal current I Full Load current.

Output speed (RPM) of the actuator at 6Bz shall be 1.5 times of the output speed (RPM) at Bz as indicated above.

1) Current at max. Torque. We recommend to select switch gear and cables suitable for those values.

We reserve the alter data according to improvements made. Previous data sheets become invalid with the issue of this data sheet.