

Electrical Data for Regulating Duty

auma®		Electrical Data Regulating duty						SAR 3 - SAR 100			
Model	Output Speed at 50Hz rpm	Modulating Torque Nm	Three phase Squirrel cage AC Motor 415V, 50 Hz						Power Factor Cos φ	Full Load Efficiency (%)	
			Nominal Output kW	Speed rpm	Size	Nominal Current / Full Load Current * A	Current at Max. Torque1) A	Starting Current A			
SAR 3	11	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	1.0	4.2	0.54	67	
SAR 6	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	
	11		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			
SAR 12	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			
SAR 15	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	
SAR 25	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			
SAR 30	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	2.20	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	8.0	35	0.7	77			
SAR 50	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	4.80	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			
SAR 60	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	
SAR 100	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		4.0	1400	112	8.3	18.5	56	0.8	84	
45	4.0	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 thermoswitches one in each winding connected in series to protect windings. Our Warranty is void if those thermoswitches 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 nominal current/ Full Load current.

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

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

