

# Electrical Data for REGULATING Duty

<b>auma®</b>		Electrical Data REGULATING Duty					SAREx6 - SAREx100			
Model	Output Speed at 50Hz rpm	Modulating Torque Nm	Three phase Squirrel cage AC Motor 415V, 50 Hz							
			Nominal Output kW	Speed rpm	Size	Nominal Current A	Current at Max. Torque <sup>1)</sup> A	Starting Current A	Power Factor Cos $\phi$	Full Load Efficiency (%)
SAREx 6	4	30	0.06	1400	71	0.29	0.25	1.2	0.60	48
	5.6		0.06	1400	71	0.29	0.30	1.2	0.60	48
	8		0.06	1400	71	0.29	0.38	1.2	0.60	48
	11		0.12	1400	71	0.45	0.45	2.3	0.62	61
	16		0.12	1400	71	0.45	0.62	2.3	0.62	61
	22		0.12	1400	71	0.45	0.90	2.3	0.62	61
	32		0.25	1400	71	1.2	1.45	4.6	0.50	60
	45		0.25	1400	71	1.2	1.86	4.6	0.50	60
SAREx 12	4	60	0.06	1400	71	0.29	0.38	1.2	0.60	48
	5.6		0.12	1400	71	0.45	0.46	2.3	0.62	61
	8		0.12	1400	71	0.45	0.62	2.3	0.62	61
	11		0.12	1400	71	0.45	0.90	2.3	0.62	61
	16		0.25	1400	71	1.2	1.45	4.6	0.50	60
	22		0.25	1400	71	1.2	1.80	4.6	0.50	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
SAREx 15	4	75	0.06	1400	71	0.29	0.45	1.2	0.60	48
	5.6		0.12	1400	71	0.45	0.55	2.3	0.62	61
	8		0.12	1400	71	0.45	0.83	2.3	0.62	61
	11		0.25	1400	71	1.2	1.36	4.6	0.50	60
	16		0.25	1400	71	1.2	1.66	4.6	0.50	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
	SAREx 25		4	125	0.12	1400	71	0.45	0.65	2.3
5.6		0.25	1400		71	1.2	1.29	4.6	0.50	60
8		0.25	1400		71	1.2	1.64	4.6	0.50	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	19.0	0.72	75
45		1.1	1400		90	2.9	6.67	19.0	0.72	75
SAREx 30	4	150	0.12	1400	71	0.45	0.82	2.3	0.62	61
	5.6		0.25	1400	71	1.2	1.39	4.6	0.50	60
	8		0.25	1400	71	1.2	1.77	4.6	0.50	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	19.0	0.72	75
	32		1.1	1400	90	2.9	5.75	19.0	0.72	75
	45		2.2	1400	90	5.7	8.0	35.0	0.70	77
SAREx 50	4	250	0.25	1400	71	1.2	1.48	4.6	0.50	50
	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	19.0	0.72	75
	22		1.1	1400	90	2.9	6.65	19.0	0.72	75
	32		2.2	1400	90	5.7	9.06	35.0	0.70	77
	45		2.2	1400	90	5.7	13.4	35.0	0.70	77
SAREx 60	4	300	0.25	1400	71	1.2	1.67	4.6	0.50	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	19.0	0.72	75
	22		2.2	1400	90	5.7	7.92	35.0	0.70	77
	32		2.2	1400	90	5.7	11.1	35.0	0.70	77
SAREx 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	19.0	0.72	75
	16		2.2	1400	90	5.7	9.06	35.0	0.70	77
	22		2.2	1400	90	5.7	12.5	35.0	0.70	77

Permissible voltage variation:  $\pm 10\%$ , Permissible frequency variation :  $\pm 5\%$ , Permissible combined variation: 10% if voltage drops below there will be reduction of nominal output.

AUMA motors are provided with 3 thermostiches one in each winding connected in series to protect windings. Our Warranty is void if these thermostiches are not connected in control circuit.

Motor data are approximate. Due to manufacturing tolerances, given values may deviate.

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.