

# Data sheet

Sheet No.: A5.102 Rev. B

Date: February 2012

## ELECTRIC ACTUATOR - TECHNICAL DATA

		ELS-18	ELS-25	EL-35	EL-55	EL-100	EL-150	EL-200	EL-350	EL-500	EL-800	EL-1200	EL-1600	EL-2500
Torque (Nm)	break	18	25	35	55	100	150	200	350	500	800	1200	1600	2500
	run	14	20	12.2	20	35	53	70	123	175	280	420	560	875
Torque (in.lb)	break	160	221	310	487	885	1.328	1.77	3.098	4.425	7.081	10.621	14.16	22.125
	run	124	177	108	177	310	465	620	1.084	1.548	2.478	3.717	4.956	7.744
Op. Time (S)	50 Hz	6.5	9.5	6	6	7.5	9	13.5	22	25.5	25.5	25.5	25.5	28
	60 Hz	5.5	7.5	5	5	6	7.5	11.5	18	21.5	21.5	21.5	21.5	22.5
	24VDC	-	-	-	5	6.5	8	12	20	23	-	-	-	-
Current (A) 120/1/60	break	0.55	0.6	1.1	-	2.9	2.9	2.9	2.9	2.9	4.5	14	14	38
	run	0.45	0.5	0.6	-	2.1	2.1	2.1	2.1	2.1	2.8	5.8	5.8	10.5
220/1/50	break	0.1	0.3	-	0.6	1.7	1.7	1.7	1.7	1.7	2.3	6	6	17
	run	0.1	0.27	-	0.5	1.1	1.1	1.1	1.1	1.1	1.8	2.5	2.5	5.8
380/3/50	break	-	-	-	0.4	0.7	0.7	0.7	0.7	0.7	0.9	2.8	2.8	5.5
	run	-	-	-	0.2	0.4	0.4	0.4	0.4	0.4	0.54	0.9	0.9	1.2
460/3/60	break	-	-	-	0.37	0.63	0.63	0.63	0.63	0.63	0.87	1.1	1.1	2
	run	-	-	-	0.18	0.45	0.45	0.45	0.45	0.45	0.57	0.72	0.72	1.6
24 VDC	break	0.8	0.51	-	5	8	8	8	8	8	-	-	-	-
	run	0.15	0.1	-	1.9	4.9	4.9	4.9	4.9	4.9	-	-	-	-
Power consump. (W)	120/1/60	45	25	100	-	225	225	225	225	225	315	535	535	720
	220/1/50	40	65	-	72	200	200	200	200	200	305	450	450	792
	380/3/50	-	-	-	80	145	145	145	145	145	165	220	220	560
	460/3/60	-	-	-	77	180	180	180	180	180	200	266	266	600
	24VDC	4.8	2.4	-	45	118	118	118	118	118	118	-	-	-
Power factor (cos Phi)	120/1/60	-	-	0.87	0.87	0.98	0.98	0.98	0.98	0.98	0.93	0.83	0.83	0.74
	220/1/50	0.82	0.82	-	0.91	0.82	0.82	0.82	0.82	0.82	0.77	0.92	0.92	0.5
	380/3/50	-	-	-	0.54	0.51	0.51	0.51	0.51	0.51	0.47	0.55	0.55	0.67
	460/3/60	-	-	-	0.54	0.5	0.5	0.5	0.5	0.5	0.44	0.53	0.53	0.6
Motor speed (RPM)	50 Hz	1878	1620	1450	1450	1425	1425	1425	1425	1425	1450	1450	1450	1450
	60 Hz	2328	2040	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
	24VDC/AC	3230	4210	-	1600	1600	1600	1600	1600	1600	-	-	-	-
Overall gear ratio		849/1	1070/1	1250/1	1250/1	700/1	840/1	1316/1	2106/1	2480/1	2480/1	3100/1	3100/1	2600/1
Capacitor (µF/V)	120/1/60	6.8/250	6.8/250	25/250	25/250	36/250	36/250	36/250	36/250	36/250	50/250	100/250	100/250	400/250
	220/1/50	1.5/400	2/400	-	8/450	10/450	10/450	10/450	10/450	10/450	16/450	30/450	30/450	100/450
Weight (Kg)	W-proof	2.2	2.8	6	6	11	11	16.5	17	25.5	26.4	37	37	75
	Ex-proof	-	-	8	8	13	13	18.5	20	28.5	30	37	37	75
Weight (Lbs)	W-proof	4.3	5.5	13	13	24	24	36	37.5	56	57	81.5	81.5	165
	Ex-proof	-	-	17.5	17.5	28.5	28.5	40.5	44	62.5	66	81.5	81.5	165



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