



Dim. in mm.	ELQ100	ELQ200	ELQ300	ELQ500	ELQ800
A	148	148	148	182	182
B	147	147	147	187	187
C	287	287	287	335	335
D	100	100	100	100	100
E	M20x1.5	M20x1.5	M20x1.5	M20x1.5	M20x1.5
F	118	156	156	219	256
G	103	103	103	132	132
H	125	125	125	175	175
M	50	50	50	60	60
N	100	180	180	300	400
O max.	19.11	19.11	22.13	27.13	36.16
O min.	19.00	19.00	22.00	27.00	36.00
P	25.2	25.2	28.2	36.2	48.2
V1	70	70	70	102	102
V2	102	102	102	140	140
W1	M8x13	M8x13	M8x13	M10x16	M10x16
W2	M10x16	M10x16	M10x16	M16x25	M16x25

Kit options:

- Position control
- Extra limit switches,
- Position transmitter,
- Local control station,
- Speed control
- Status option

Factory options:

- IP68,
- Explosion proof, ATEX or FM
- High temp.,
- Low temp.,
- Bus communication : Profibus DP or Fieldbus Foundation.
- 3 phase 460/500V, 60Hz.

Description:

Series ELQ electric actuators are rugged and powerful, 1/4 turn units with five sizes covering the torque range from 100 to 800 Nm. They incorporate High Ratio Drive (HRD) gearing which provides a compact backlash free reduction gear ideally suited for both tight positional control and long trouble free ON/OFF operation. Universal power control allows direct connection to all the usual voltages.

The aluminium alloy housing contains the motor, gear reduction and the Electronic Control Unit (ECU). - Electronic control enables precise control of the actuators internal functions and a ready interface to a wide range of control options. Electronic torque control is included as a standard feature. Modular construction is used throughout and allows for a wide range of "kit" and "factory" options.

The manual override handwheel is constantly engaged, it is non-rotating and arranged so that at no time can be back driven by the motor. The handwheel is removable for shipment, also to prevent local operation when this is a requirement. The mounting/ drive is to ISO 5211.

Specification

- Nominal Rotation : 90° - Analog adjustable from 10° up to 100° of stroke
- Enclosure : IP65
- Temperature : -20°C to +70°C
- Electrical Entry : 3 x M20x1.5 , option : 1/2" NPT
- Electrical Connection : By internal terminal block.
- Power supply : AC - 115V, 230V, or 400V (+10% / -6%) 50/60 Hz
- : DC - 24V (±10%)
- Control signal : 24VDC (±10%)
- Limit Switches : 2 x SPDT, Micro switches (500mA at 30 VDC/VAC)
- Torque Control : Electronic
- Duty cycle : 100%.
- Mechanical Stops : At 0° and 90°, adjustable +/- 10°
- Heater : Standard, 10 Watt.
- Visual Indication : On top cover.
- Finish : Two component polyurethane coating.
- Materials : Housing : Aluminum alloy
- : External Steel Parts : Stainless Steel.

Performance		ELQ 100	ELQ 200	ELQ 300	ELQ 500	ELQ 800
Max. Torque (Nm.)	Break/Run	100	200	300	500	800
	Speed/90° (Sec.)	max. load	10	14	18	22
no load		6	8	13	17	28
Power Supply Max. Current (A)	115VAC	1	1	1	1.7	1.7
	230VAC	0.5	0.5	0.5	0.9	0.9
	400VAC	0.3	0.3	0.3	0.5	0.5
	24V DC	4.1	4.3	4.0	5.3	5.1
Power (W) Nominal		98	102	96	130	125
Weight (Kg)		13	14	14.5	28	30