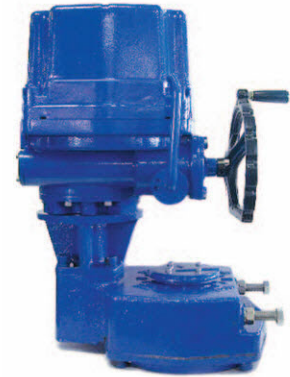


ACCTUAL TORQUE

Electric Actuator HQ Series



HQ Series



PERFORMANCE

TYPE (MODEL)	Maximum output torque Kg-m	Operating time(sec.) 60/50Hz 90°	Maximum bore size mm	Motor class F Model & frame size M * F	Rated current(A) 60Hz				Duty cycle IEC 34-1 S4(%)	Number of handle turn N	Weight Kg
					1 Phase		3 Phase				
					110V	220V	380V	440V			
HQ-008	8	13/16	φ 20	15 * 70	0.96/0.97	0.47/0.46	N/A	N/A	70	10	7.4
HQ-010	10	16/20	φ 20	15 * 70	0.96/0.97	0.47/0.46	N/A	N/A	70	10	7.4
HQ-015	15	21/25	φ 22	40 * 80	1.51/1.62	0.72/0.84	0.35/0.27	0.55/0.34	70	11	16.6
HQ-020	20	21/25	φ 22	40 * 80	1.51/1.62	0.72/0.84	0.35/0.27	0.55/0.34	70	11	16.6
HQ-030	30	26/31	φ 35	40 * 90	1.37/1.67	0.68/0.81	0.33/0.27	0.43/0.30	70	13.5	22
HQ-050	50	26/31	φ 35	90 * 90	4.27/3.56	1.37/1.27	0.51/0.42	0.66/0.46	70	13.5	23
HQ-060	60	26/31	φ 35	90 * 90	4.27/3.56	1.37/1.27	0.51/0.42	0.66/0.46	70	13.5	23
HQ-080	80	31/37	φ 45	180 * 90	3.47/4.45	1.81/2.32	0.83/0.61	1.10/0.73	70	16.5	29
HQ-120	120	31/37	φ 45	180 * 90	3.47/4.45	1.81/2.32	0.83/0.61	1.10/0.73	70	16.5	29
HQ-200	200	93/112	φ 65	180 * 90	3.47/4.45	1.81/2.32	0.83/0.61	1.10/0.73	70	49.5	75
HQ-300	300	93/112	φ 65	180 * 90	3.47/4.45	1.81/2.32	0.83/0.61	1.10/0.73	70	49.5	75

STANDARD SPECIFICATION

Enclosure	Weatherproof enclosure IP67, NEMA 4 and 6
Power supply	110 / 220V AC 1PH, 380 / 440V AC 3PH 50 / 60Hz, ±10%
Control power supply	110 / 220V AC 1PH, 50 / 60Hz, ±10%
Duty cycle(on-off)	S2, 100% Max 30Min
Duty cycle(modulating)	S4, 70% Max 300~1600 start/hour
Motor	Induction motor (Reversible motor)
Limit switches	Open / close, SPDT, 250V AC 16A rating
Additional limit switches	Open / close, SPDT, 250V AC 16A rating
Torque switches	Open / close, SPDT, 250V AC 16A rating (except HQ-008)
Stall protection/operating temp'	Built-in thermal protection, open 150°C ±5°C / close 97°C ±15°C
Travel angle	90° ±10° (0° ~110°)
Indicator	Continuous position indicator
Manual override	Declutching mechanism
Self locking	Provided by double worm gearing
Mechanical stopper	2 × external adjustable screws
Space heater	10W(110/220V AC) Anti-condensation
Cable entries	Three PF3/4" tap (standard type only)
Lubrication	Grease moly (EP type)
Terminal block	Spring loaded lever push type
Materials	Steel, Aluminium alloy, Al bronze, Polycarbonate
Ambient temperature	-20°C ~+70°C (except option electronic board)
Ambient humidity	90% RH Max.(non-condensing)
Anti vibration	X Y Z 10g, 0.2~34Hz, 30minute
External coating	Anodizing treatment before dry powder, Polyester, Munsell no. 5R 3.5/12