

□ Performance & Specification

Performance

Type (Model)	Maximum output torque	Operating time 60/50Hz	Maximum bore size	Motor class f frame size	Rated current(A)60Hz				Duty cycle IEC34-1	Number of handle fum	Weight
					1 Phase		3 Phase				
	kg-m	90°	mm	W*F	110V	220V	380V	440V	S2(%)	N	Kg
HQ-008	8	13/16	φ20	15*70	1.20	0.45	M/A	N/A	30	10	7.4
HQ-015	15	21/25	φ22	40*80	1.65	0.88	0.31	0.30	30	11	13
HQ-020	20	21/25	φ22	40*80	1.67	0.89	0.31	0.30	30	11	13
HQ-030	30	26/31	φ35	40*90	1.85	0.92	0.35	0.34	30	13.5	23
HQ-050	50	26/31	φ35	90*90	3.60	1.55	0.59	0.58	30	13.5	24
HQ-060	60	26/31	φ35	90*90	3.65	1.60	0.60	0.59	30	13.5	24
HQ-080	80	31/37	φ45	180*90	4.10	2.15	0.85	0.79	30	16.5	29
HQ-120	120	31/37	φ45	180*90	4.20	2.35	0.87	0.81	30	16.5	29
HQ-200	200	93/112	φ65	180*90	4.10	2.15	0.85	0.79	30	49.5	78
HQ-300	300	93/112	φ65	180*90	4.20	2.35	0.87	0.81	30	49.5	78

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 duty)	S2 30%
Motor	Squirrel caged induction motor
Limit switches	2×open / close, SPDT, 250V AC 10A rating
Additional limit switches	2×open / close, SPDT, 250V AC 10A rating (except HQ-008)
Torque switches	open / close, SPDT, 250V AC 10A rating (except HQ-008)
Stall protection/operating temp.	Built-in thermal protection, open 140°C ± 5°C / close 90°C ± 10°C
Travel angle	90°C ± 10°C (0° ~ 110°)
Indicator	Continuous position indicator
Manual override	Declutching mechanism
Self locking	Provided by means of worm gearing
Mechanical stopper	2 × external adjustable screws
Space heater	7~10W (110/220V AC) Anti-condensation
Conduit	Two PF3/4" Tap
Lubrication	Grease moly (EP type)
Materials	Steel, Aluminium alloy, Al bronz, Polycarbonate
Ambient temperature	-20°C~+70°C (except option electronic bord)
Ambient humidity	90% RH Max. (non-condensing)
Anti vibration	X Y Z 10g, 0.2, 34Hz, 30minute
External coating	Dry power, Polyester, Munsell no. 5R 3.5/12

Option Specification

EXA	Explosionproof enclosure actuator (Eexd B T6, Eexd C T6)	HQ-series
WTA	Watertight enclosure actuator (IP68 10M 250HR)	HQ-series
PIU	Potentiometer unit (1K~10K)	except HQ-008

IMS	Integral motor starter reversing ELE, CON & Transformer	except HQ-008
PCU	Proportional control unit (input, Output 4~20mA DC)	except HQ-008
ATS	Additional torque switches (SPDT × 2EA 250V AV 10A Rating)	except HQ-008
LCU	Local control unit (remote/open/stop/close selector s/w)	except HQ-008
CPT	Current position transmitter (output 4~20mA DC)	except HQ-008
RBP	Rechargeable battery pack (power failure control)	HQ-015, 020, 030, 050
EXT	Extension 120°, 180°, 270° turn	except HQ-200, 300
DCM	DC motor (24V DC)	HQ-015, 020, 030
LPA	Lever plate actuator	except HQ-008
SLU	Signal lamp unit (white-power on, green-open, red-close, yellow-over torque)	except HQ-008