

ITQ 0350-0500



- Compact and robust design suitable for butterfly valve & damper automation
- Standard weatherproof (IP67) (Optional Explosion Proof (Ex II B T4 and IP68)
- Aluminum alloy housing with epoxy polyester coated outside
- Output Torque: 350Nm (35Kg.m), 500Nm (50Kg.m)

General Specifications	
Enclosure	Weatherproof, IP67, NEMA4 and 4X, O-ring Sealed
Power Supply	110/220V AC, 1Ph(50/60Hz) ± 10 %, 24V DC
	380/440V AC, 3Ph(50/60Hz) ± 10 %
Control Power	110/220V AC, 1Ph(50/60Hz) ± 10 %
Duty Cycle (ON-OFF)	S2: Max 30 min (ITQ0350) / Max 20 min (ITQ0500)
Duty Cycle (Modulating)	S4: 50%, 1,200 Start/Hour (ITQ0350)/30%,800 Start/Hour (ITQ0500)
Motor	Induction Motor with Thermal Protector
	(High150°C±5°C/Low97°C±15°C)
Limit Switches	4 x SPDT (2 for Close, 2 for Open), 250VAC, 16A
Torque Switches	2 x SPDT (1 for Close, 1 for Open), 250VAC, 16A
Travel Angle	90 ° ± 10 % by external adjustable mechanical stopper
Position Indication	Continuous mechanical indicator with arrow
Manual Override	De-clutchable
Self Locking	Provided by double worm gearing (no brake)
Mechanical Stopper	1 each for each travel end (open & close), external & adjustable
Terminal Block	Screw and Lever Push Type (Spring Loaded)
Cable Entries	2 - PF3/4", NPT3/4", M25X1.5
Space Heater	5W(110/220VAC) for anti-condensation
Ambient Temperature	Basic Actuator: -20~+70°C
	c/w Control Option: -10°C~+60°C
Ambient Humidity	90% RH Max (Non-Condensing)

Technical Specification			
Model		ITQ0350/0500	
Rated Torque (Nm)		350Nm (35Kg.m), 500Nm (50Kg.m)	
Operating Time (Sec) 110/220VAC (50Hz)		31sec	
Operating Time (Sec) 110/220V AC (60Hz)		26sec	
Operating Time (Sec) 24VDC		31(ITQ0350)/37(ITQ0500)	
Max. Bore Size (mm)			
Key ()		40mm	
Square ()		34mm	
Motor Insulation Class		F	
Amp Draw	Main Power	50Hz (Running/Max)	60Hz (Running/Max)
	110 Volt	(1.72/2.87), (3.60/4.84)	(1.80/2.87), (3.90/4.94)
	220 Volt	(0.92/1.38), (1.50/2.32)	(0.95//1.37), (1.60/2.34)
	380 Volt	(0.32/0.77), (0.52/1.27)	(0.32/0.74), (0.56/1.23)
	440 Volt	(0.35/0.88), (0.55/1.52)	(0.35/0.83), (0.58/1.36)
	24VDC	(3.8/7.6), (4.6/8.0)	
No. of Handwheel		14	
ISO 5211 Mounting Flange		ISO F10/12 flange	
Weight (Kg)		20Kgs	

* Available Options: EX, WT, ALS, ATS, EXT, PK, CT, RPC, LP4, LM4, ICM1, II, BP
 AC/DC Converter

* DC 24V: Applicable to ITQ 0100-0500