

ITQ 2000-3000



- 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: 2,000Nm (200Kg.m), 3000Nm (300Kg.m)

General Specifications	
Enclosure	Weatherproof, IP67, NEMA4 and 4X, O-ring Sealed
Power Supply	110/220V AC, 1Ph (50/60Hz) \pm 10 %, 24V DC
	380/440V AC, 3Ph (50/60Hz) \pm 10 %
Control Power	110/220V AC, 1Ph (50/60Hz) \pm 10 %
Duty Cycle (ON-OFF)	S2:Max20min
Duty Cycle (Modulating)	S4: 30%, 800 Start/ Hour
Motor	Induction Motor with Thermal Protector
	(High150°C \pm 5°C/ Low97°C \pm 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 ° \pm 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	ITQ2000/3000		
Rated Torque (Nm)	2,000Nm (200Kg.m),3,000Nm (300Kg.m)		
Operating Time (Sec) 110/220V AC (50Hz)	59 sec		
Operating Time (Sec) 110/220V AC (60Hz)	50 sec		
Operating Time (Sec) 24V DC	N/A		
Max. Bore Size (mm)			
Key ()	75 mm		
Square ()	64 mm		
Motor Insulation Class	F		
Amp Draw (ITQ2000), (ITQ3000)	Main Power	50Hz (Running/ Max)	60Hz (Running/ Max)
	110 Volt	(4.60/11.1), (6.50/11.4)	(4.40/10.6), (6.90/11.0)
	220 Volt	(2.48/4.68), (3.08/4.75)	(2.71/4.51), (3.58/4.76)
	380 Volt	(1.26/3.80), (1.93/3.63)	(1.14/3.460), (1.82/3.30)
	440 Volt	(1.51/4.01), (2.00/4.49)	(0.88/1.88), (0.88/1.88)
	24VDC	N/A	
No. of Handwheel	13		
ISO 5211 Mounting Flange	ISO F16 flange		
Weight (Kg)	42 Kgs		

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