

ITQ 0800-1100



- 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: 800Nm (80Kg.m), 1100Nm (110Kg.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:Max20min
Duty Cycle (Modulating)	S4: 30%, 800 Start/ Hour
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	ITQ0800/1100		
Rated Torque (Nm)	800Nm (80Kg.m), 1,100Nm (110Kg.m)		
Operating Time (Sec) 110/220V AC (50Hz)	39sec		
Operating Time (Sec) 110/220V AC (60Hz)	32sec		
Operating Time (Sec) 24VDC	N/A		
Max. Bore Size (mm)			
Key ()	48mm		
Square ()	40mm		
Motor Insulation Class	F		
Amp Draw (ITQ0800), (ITQ1100)	Main Power	50Hz (Running/Max)	60Hz (Running/Max)
	110 Volt	(3.90/7.20), (3.90/7.20)	(4.20/7.20), (4.30/7.20)
	220 Volt	(2.05/3.76), (2.15/3.76)	(2.20/3.70), (2.30/3.70)
	380 Volt	(0.82/1.76), (0.84/1.76)	(0.88/1.68), (0.90/1.68)
	440 Volt	(0.82/1.98), (0.84/1.98)	(0.88/1.88), (0.88/1.88)
	24VDC	N/A	
No. of Handwheel	17		
ISO 5211 Mounting Flange	ISO F12/14 flange		
Weight (Kg)	25Kgs		

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