

ACTUATOR SPECIFICATION AND TEST CERTIFICATE

Actuator Serial Number: AD004402 01

Test Date: 17/10/2014

Customer Order Number: P002410-1

Tag Number:

ACTUATOR SPECIFICATION

Size	IQ35
ISO/MSS Base & Coupling	FA16B4
Enclosure (Hazardous)	II 2 GD EXD IIC T4
Enclosure (Environmental)	IEC60529 IP68 Nema 4/4X/6
Lubricant	SHC624
Hand wheel	22.25:1
Paint	STD GREY 00-A-05

Power Supply	380-3-50
Wiring Diagram	101B0010-3
Speed (rpm)	72
Op. Time (m:s)	0:50
Insulation Class	F
Thermostat Trip	132°C
Fireproof Coating	No

ACTUATOR CONFIGURATION

Direction to Close	CLOCKWISE ROTATION
Turns	60.0

OPTIONAL EXTRAS

Option: CPT	
CPT Supply	4-20mA
CPT Open Signal	20mA

Option: Extra Indication Relays

GEARBOX SPECIFICATION

Range Size	MTW9R GEARBOX			
Ratio/Nominal MA	240:1	95.00		
ISO/MSS Base	SPECIAL			
Direction to Close	C			
Enclosure (Hazardous)	ATEX	Ex II 2 GD C 120°C		
Enclosure (Environmental)	IEC60529	IP68	Nema	4X

CATALOGUE PERFORMANCE

Rated Torque	45081.0	Nm	33250.0	lbf ft
Speed/Operating Time	N/A	-	0:50	m:s

The equipment output performance quoted is the catalogue rated performance verified in accordance with EN15714-2

ACTUATOR SPECIFICATION AND TEST CERTIFICATE

Actuator Serial Number: AD004402 01

Test Date: 17/10/2014

Customer Order Number: P002410-1

Tag Number:

PERFORMANCE TEST RESULTS OPEN

Units	Nm	lbf ft	Amps	Power Factor
Max Set Torque	480	354	14.1	0.90
Stall Torque @380Vac	797	588	45.7	0.73
Torque Set *	192	142	-----	-----

PERFORMANCE TEST RESULTS CLOSED

Units	Nm	lbf ft	Amps	Power Factor
Max Set Torque	477	352	15.1	0.89
Stall Torque @380Vac	789	582	45.7	0.73
Torque Set *	191	141	-----	-----

* Subject to a tolerance of +/-10%. Actual torque delivered will be dependent on actuator speed, inertia and valve structure resilience.

Tested on a torque calibrated test rig in accordance with EN15714-2. Electrical results are nominal values

Test Voltage	380-3-50	Tested By	085	Test Rig No	F6
Flash Tested To IEC 61010					

The actuator must be installed in accordance with publication PUB002-039 IQ Range Instructions for Safe Use, Installation, Basic Setup and Maintenance.

The Rotork Setting Tool allows actuator control, indication and protection functions to be configured to suit valve and control system requirements. It is essential that all actuator settings are checked for compatibility before the actuator is put into service. Refer to supplied wiring diagram and publication PUB002-039 IQ Range Instructions for Safe Use, Installation, Basic Setup and Maintenance and publication PUB002-040 IQ Full configuration, status and monitoring user manual available at www.rotork.com.

When Rotork or their nominated Agent is contracted to carry out site installation/commissioning and/or acceptance, documentation of commissioned configuration can be made available for customer/owner records.

This Rotork Actuator has been manufactured within the Rotork ISO 9001:2008 Approved Quality System

