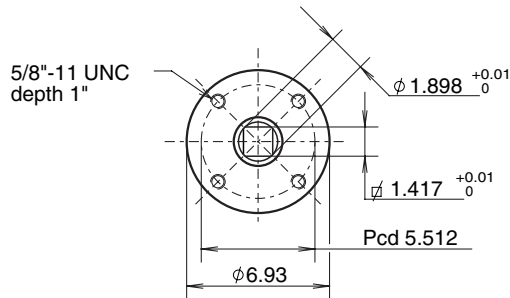
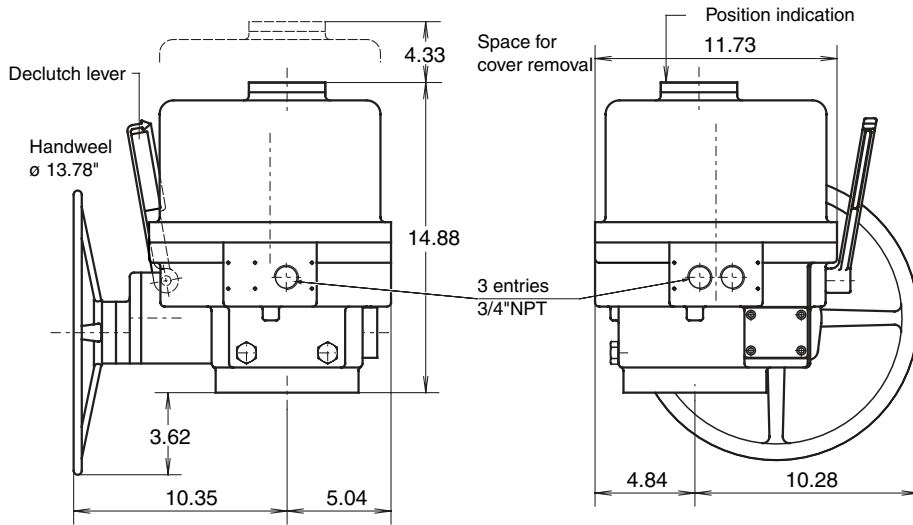


Data sheet

Sheet No.: A5.103.2 Rev.A
Date: November 2009

DIMENSIONS AND TECHNICAL DETAILS EL 1200/1600



Voltage/phase/Hz.		120/1/60	230/1/50	380/3/50	460/3/60
Current (A)	break	14	7	2.8	1.1
	run	5.8	2.5	0.6	0.72
Power consumption (W)		535	450	220	266
Power factor		0.83	0.92	0.55	0.53
Operation time	(sec.)	21.5	25.5	25.5	21.5

Description

EL-1200 actuators use worm and wormwheel reduction gearing to provide tight positioning control and the self locking feature necessary for controlling larger valves, particularly butterfly types.

The housing is of two aluminum castings, it contains the drive motor and worm gear assembly, together with the anti-condensation heater and main terminal strip.

EL-1200 actuator takes the full range of control options, it has mechanical end position stops and torque switches. Visual position indication is by a window in the top cover.

A geared manual override is fitted as standard, it is engaged by means of a declutching lever. When the motor is energized the unit automatically returns to motor operation, thus ensuring operator safety.

General Specification

Nominal Rotation	: 90° - factory set to ±3°
	: Adjustable by limit switches: 10° to 320°
Enclosure	: NEMA 4
Temperature range	: -4° to +158° F
Electrical connections	: By 12 and 16 point internal terminal strip
Cable entries	: 3x 1" NPT (optional 3x M25 or 3x PG21)
Life	: 50.000 operations minimum
Heater	: 10 Watt
Voltages	
- Single phase	: 110-130V 50Hz or 60Hz
	: 220-240V 50Hz or 240-280V 60Hz
- Three phase	: 380-415V 50Hz or 415-460V 60Hz
Other voltages	: On request
Stall protection	: By torque switches and motor thermostat

Minimum customer switch or contactor rating 16Amp.

Materials

Housing	: Aluminum alloy
Cover	: Aluminum alloy
Fastenings	: Stainless steel
Finish	: Two part polyurethane

Technical data		EL1200	EL1600
Torque (Nm)	Break	10621 in. lb	14161 in.lb.
	Run	3717 in.lb.	4956 in.lb.
Limit switches	4x SPDT	16A	16A
Torque switches	2x SPDT	16A	16A
Weight Kg		81.6	81.6
Duty		30%	30%
Drive sleeve		Cast Iron	Bronze

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