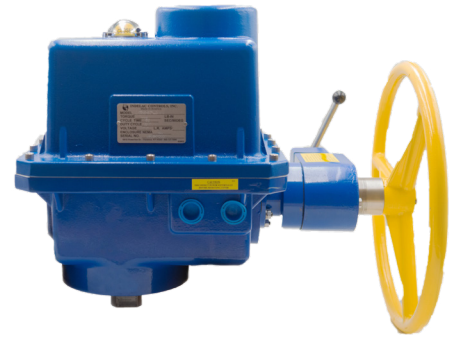


K SERIES

FROM 5,000 TO 27,300 IN-LBS
NEMA 4 AND/OR 7

The K series of heavy-duty reversing actuators were developed in 1995 and meet AWWA standards. ICI's K series rotary electric actuator is a machine that was designed to automate quarter turn equipment requiring up to 27,300 In-Lbs of torque. The K series actuators are equipped with a combination of spur gear / worm gear drive train providing efficient and quiet operation, resistance to back driving and long maintenance free service.



5K up to 14K Shown

SPECIFICATIONS:

TORQUE	5K	5000 In-Lb (565 Nm)
	7K	7020 In-Lb (793 Nm)
	12K	11500 In-Lb (1302 Nm)
	14K	14040 In-Lb (1586 Nm)
	19K	19020 In-Lb (2149 Nm)
	27K	27300 In-Lb (3084 Nm)
CYCLE TIME	5K & 7K	38 Sec. / 90; 12Vdc = 45 Sec. / 90; 24Vdc = 21 sec. / 90
	12K & 14K	58 Sec. / 90; 24Vdc = 43 sec. / 90
	19K	114 Sec. / 90; 12Vdc = 45 Sec. / 90; 24Vdc = 59 sec. / 90
	27K	136 Sec. / 90
DUTY CYCLE	12Vdc, 24Vdc, 24Vac 100%	
	115Vac - 1Ph 30 minute continuous run	
	230Vac - 1Ph 30 minute continuous run	
	230Vac - 3Ph & 460Vac-3Ph 30 minute continuous run	
MOTOR	Permanent split capacitor (for AC) with thermal overload protection	
CURRENT RATINGS	FL= Full Load, LR= Lock Rotor	

	115VAC (Std.)		24VAC & 24VDC		12VDC		208VAC/1PH		230VAC/1PH		230VAC/3PH		460VAC/3PH	
	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR
5-12K	2.5	4.0	14.0	32.6	16.5	38.5	1.5	2.2	1.4	2.0	1.7	3.8	0.6	2.0
14-27K	5.4	15.0	CF	CF	CF	CF	1.3	4.4	1.2	4.0	1.0	4.1	5.4	15.0

*The motor's LR amps must be taken into account when sizing the input power supply and fuses. Slow blow fuses are recommended
* Reduce actuator torque 10% for sizing purposes*

CERTIFICATIONS	None - General Purpose Actuators	
	Designed to meet NEMA 4 Standards with optional NEMA enclosure types 4X, 9 and 7 available	
	Designed to meet AWWA C540 standards	
COATING	Thermally bonded polyester powder	
POSITION INDICATOR	Visual	Dome Indicator
	Electric	Feedback from limit switches, same as operating voltage
SWITCHES	Snap action	SPDT, 15A @ 250Vac



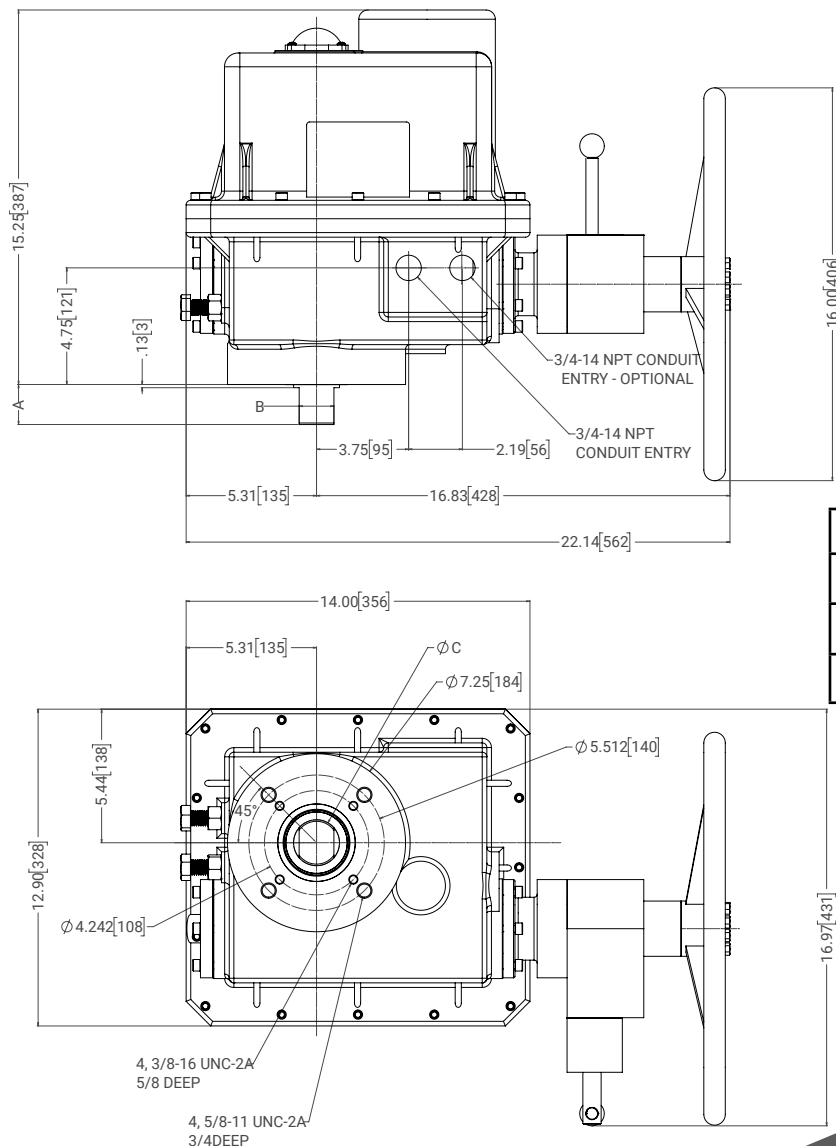
K SERIES

FROM 5,000 TO 27,300 IN-LBS

NEMA 4 AND/OR 7

TORQUE SENSOR	Mechanical, set for torque at full load amp draw	
LUBRICATION	Grease	Permanent, little or no maintenance required
WEIGHT	5K up to 14K – 110 lb (50 kg)	19K & 27K – 195 lb (88.5 kg)
MOUNTING	Universal	
MOUNTING PAD	5K	ISO 5211 F14 & 4.242" Bolt Circle with 22.2mm Double "D" Male Drive
	7K to 14K	ISO 5211 F14 & 4.242" Bolt Circle with 36.1mm Double "D" Male Drive
	19K	ISO 5211 F14 Bolt Circle with 36mm Double "D" Male Drive
	27K	7.50" Bolt Circle with 2.375" Bore & 0.625" Keyway
TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application down to -76F (-60C)	
OVERRIDE	Manual, Declutching Hand Wheel	

5K TO 14K TECHNICAL DRAWING: *(19K and 27K technical drawing on next page)*



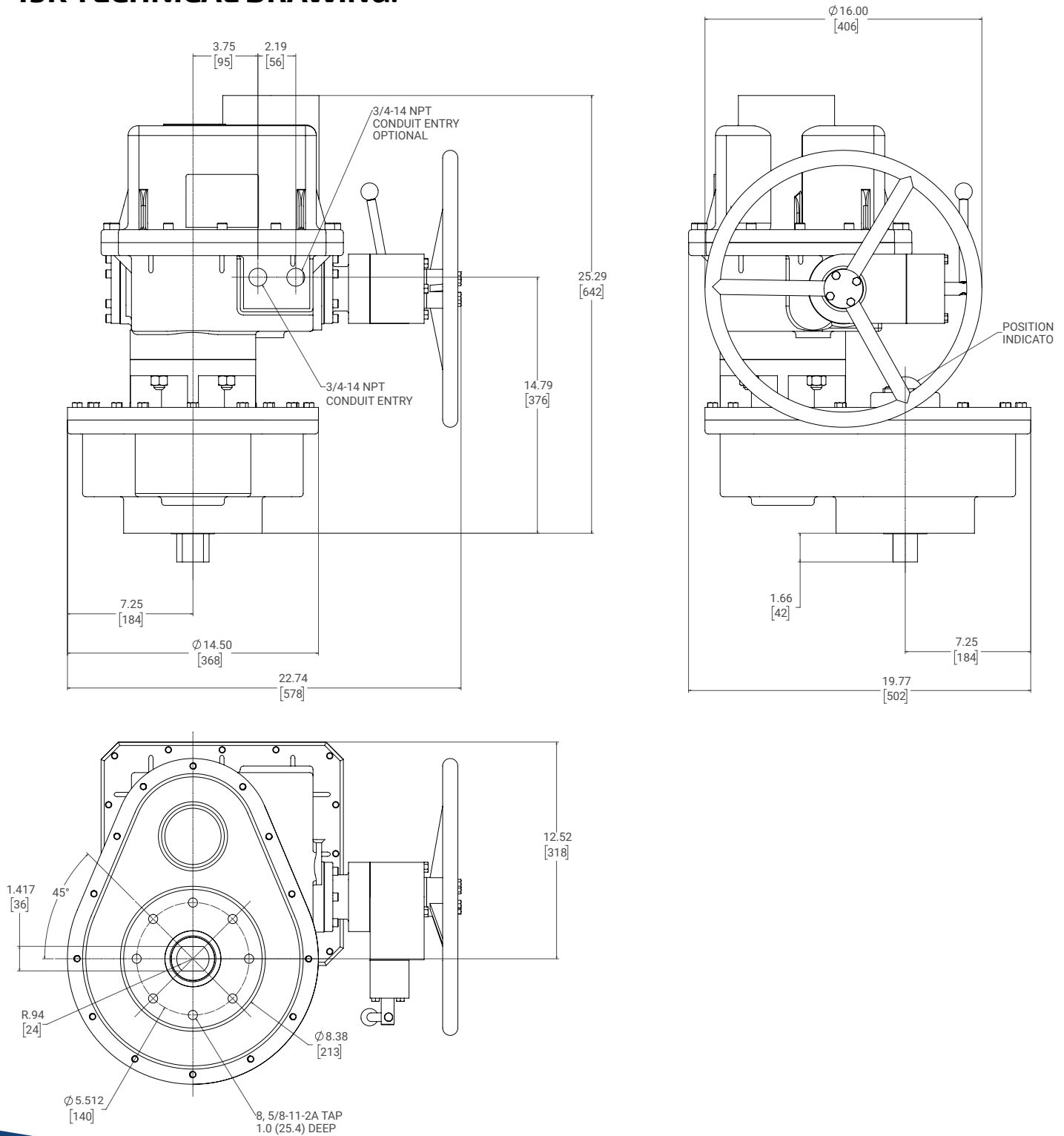
Model	5K	7K to 14K
A	1.19 (30)	1.63 (41.4)
B *	0.872 (22.1)	1.415 (35.9)
C	1.13 (28)	1.87 (47.5)

* +/- 0.002

K SERIES

FROM 5,000 TO 27,300 IN-LBS
NEMA 4 AND/OR 7

19K TECHNICAL DRAWING:



K SERIES

FROM 5,000 TO 27,300 IN-LBS
NEMA 4 AND/OR 7

27K TECHNICAL DRAWING:

