



Mechanical Data Sheet AP100, AP250 & AP500

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1. SCOPE

This document provides guidance notes about dimensional drawing information.

These notes are applicable to the sizing of the following instrument equipment:

- AP100 Part-turn actuators
- AP250 Part-turn actuators
- AP500 Part-turn actuators

Any deviation from the present Calculation Notes at any stage of the project shall be subject to manufacturer approval.

2. REFERENCE DOCUMENTS

This document is complemented by the others as specified below:

- KSN 8569S310: Mechanical Datasheet
- KSN 8569S311: Technical Specification
- KSN 8569S312: Datasheet

3. ACTUATOR SIZING

The sizing of part-turn actuators body will be in accordance with KSN 8569S311.

4. QUICK ACCESS TO INFORMATION

The table below is for actuators with single-phase, 24VDC power and 220VAC-50Hz power input. They work in C type according to EN15714-2.

Model	Operating time to 90° (s)	Course (°)	Nominal Torque (N.m)	Max. torque (N.m)	Maximum start (1/h)	Flange type (ISO5211)	Weight (KG)	IP Protection (EN60529)
AP100a	9	0-360	100	180	1500	F05/F07	4.5	IP68
AP250a	21	0-180	250	400	1500	F07	5.8	IP68
AP500a	40	0-110	500	800	800	F07/F10	6.8	IP68

The table below is for actuators with single-phase, 24VDC power and 220VAC-50Hz power input. They work in B type according to EN15714-2.

Model	Operating time to 90° (s)	Course (°)	Nominal Torque (N.m)	Max. torque (N.m)	Maximum start (1/h)	Flange type (ISO5211)	Weight (KG)	IP Protection (EN60529)
AP100b	9	70-110	100	180	50	F05/F07	4.5	IP68
AP250b	21	70-110	250	400	30	F07	5.8	IP68
AP500b	40	70-110	500	800	30	F07/F10	6.8	IP68

The table below is for actuators with single-phase, 24VDC power and 220VAC-50Hz power input. They work in A type according to EN15714-2.

Model	Operating time to 90° (s)	Course (°)	Nominal Torque (N.m)	Max. torque (N.m)	Maximum start (1/h)	Flange type (ISO5211)	Weight (KG)	IP Protection (EN60529)
AP100c	9	90	100	180	15	F05/F07	4.5	IP68
AP250c	21	90	250	400	10	F07	5.8	IP68
AP500c	40	90	500	800	10	F07/F10	6.8	IP68

5. DIMENSIONAL DRAWING

