



Mechanical Data Sheet AP050 & AP080

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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:

- AP050 Part-turn actuators
- AP080 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)
AP050a	15	0-720	50	60	1500	F05/F07	3.2	IP68
AP080a	30	0-720	80	100	1500	F05/F07	3.2	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)
AP050b	15	70-110	50	60	50	F05/F07	3.2	IP68
AP080b	32	70-110	80	100	50	F05/F07	3.2	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)
AP050c	15	90	50	60	15	F05/F07	3.2	IP66
AP080c	32	90	80	100	15	F05/F07	3.2	IP66

5. DIMENSIONAL DRAWING

