

Dimensions in mm.

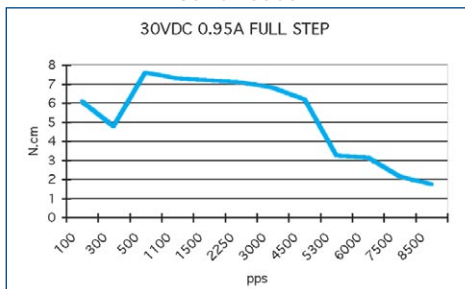
### Specifications

MODEL		28SH51-0956A	28SH51-0674A
1	STEP ANGLE	1,8°	1,8°
2	STEP ANGLE ACCURACY (FULL STEP, NO LOAD) %	± 5%	± 5%
3	RATED VOLTAGE V	4,4	6,2
4	CURRENT/PHASE A	0,95	0,67
5	RESISTANCE/PHASE Ω	4,6	9,2
6	INDUCTANCE/PHASE mH	1,4	5,7
7	HOLDING TORQUE Ncm	9	12
8	ROTOR INERTIA g-cm <sup>2</sup>	18	18
9	WEIGHT Kg	0,2	0,2
10	NUMBER OF LEADS N°.	6	4

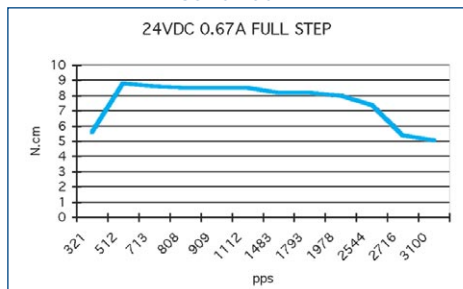
28SH...-A single shaft • 28SH...-B double shaft

### Speed vs. Torque Characteristics

28SH51-0956A



28SH51-0674A



### Characteristics

**RESISTANCE ACCURACY**

± 10%

**INDUCTANCE ACCURACY**

± 20%

**TEMPERATURE RISE**

80° C MAX. (RATED CURRENT, 2 PHASE ON)

**AMBIENT TEMPERATURE**

-20° C - + 50° C

**INSULATION RESISTANCE**

100 M Ω MIN., 500 VDC

**DIELECTRIC STRENGTH**

500 VAC FOR ONE MINUTE

**SHAFT RADIAL PLAY**

0,02 MAX. (450 G-LOAD)

**SHAFT AXIAL PLAY**

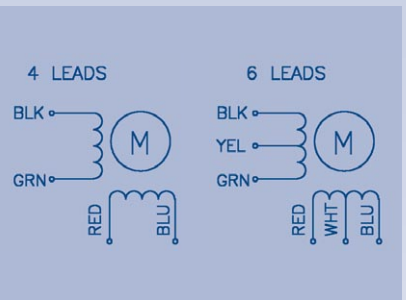
0,08 MAX. (450 G-LOAD)

**MAX RADIAL FORCE**

28 N (20MM FROM FLANGE)

**MAX AXIAL FORCE**

10 N



### AVAILABLE OPTIONS

**Motor modifications:**

custom winding, special bearing, special tap.

**Shaft modifications:**

flat, pinion, keyway, length.

**Leadwire modifications:**

wire type, wire color, wire length, connector installation.