



Product Overview

STEP ANGLE	1.8 deg
RATED CURRENT	0.4 - 4.2 A
HOLDING TORQUE	0.4 - 3 N.m
MOTOR LENGTH	41 / 45 / 51 / 56 / 64 / 76 / 84 / 100 / 112 mm
LEAD WIRES	4 / 6
WINDING	2-phase, 4/6-lead

Series Features

- D-cut output shaft, 6.35 mm diameter
- Four-lead and six-lead winding options
- Nine body lengths and multiple torque levels
- Electrical, shaft and cable options on request

Standard model data is listed on page 2.

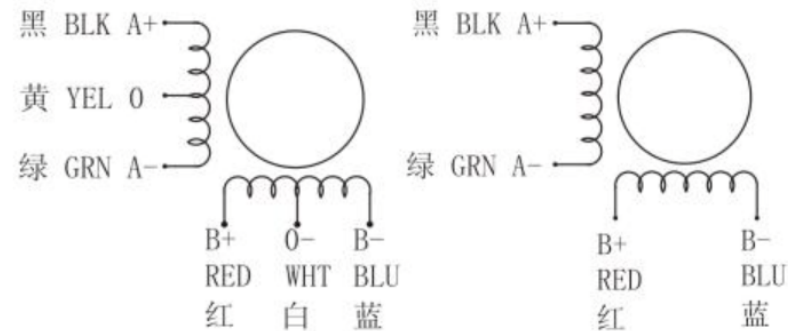
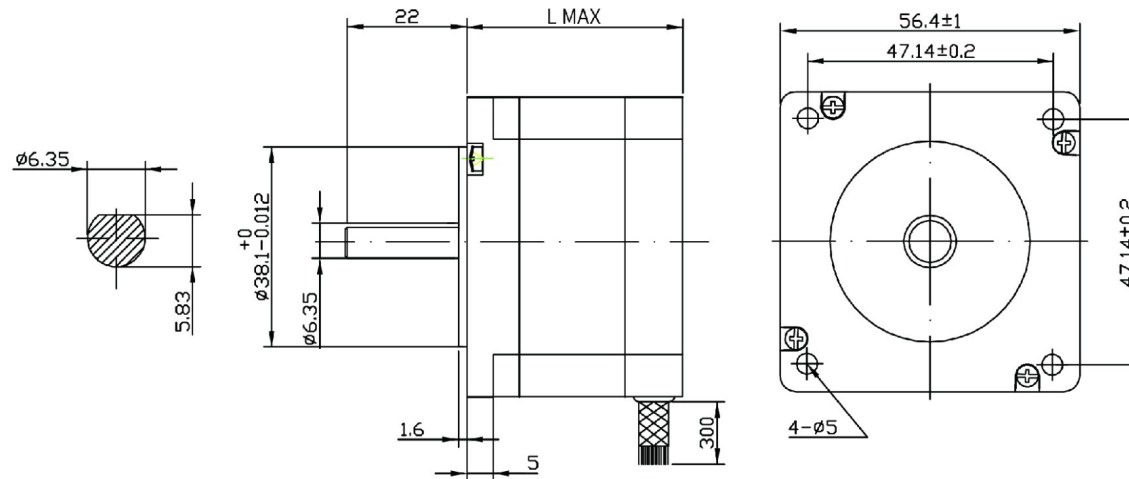
MODEL SPECIFICATIONS

TSL-57STH A SERIES STANDARD MODELS

TSL-57STH A Series Motor Model	Step Angle (deg)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.m)	Detent Torque (N.cm)	Rotor Inertia (g.cm2)	Motor Length (mm)	Lead Wires (No.)	Motor Weight (g)
TSL-57STH 4110A6	1.8	1	5.2	5.5	0.4	2.5	150	41	6	470
TSL-57STH 4106A4	1.8	0.62	12	24	0.55	2.5	150	41	4	470
TSL-57STH 4120A4	1.8	2	1.2	2.5	0.55	2.5	150	41	4	470
TSL-57STH 4506A4	1.8	0.62	12	26	0.8	2.8	190	45	4	520
TSL-57STH 4525A4	1.8	2.5	1	2.2	0.8	2.8	190	45	4	520
TSL-57STH 5106A4	1.8	0.62	13	28	1.1	2.8	190	51	4	520
TSL-57STH 5125A4	1.8	2.5	1.2	3.2	1.1	2.8	190	51	4	520
TSL-57STH 5108A6	1.8	0.8	6.8	9.2	0.62	3	230	51	6	590
TSL-57STH 5615A4	1.8	1.5	3.2	5.5	1.2	3.5	280	56	4	680
TSL-57STH 5625A4	1.8	2.5	1.3	4.2	1.2	3.5	280	56	4	680
TSL-57STH 5630A4	1.8	3	0.8	2.4	1.2	3.5	280	56	4	680
TSL-57STH 5642A4	1.8	4.2	0.4	1.2	1.2	3.5	280	56	4	680
TSL-57STH 6410A4	1.8	1	7.5	20	1.5	5	380	64	4	850
TSL-57STH 6425A4	1.8	2.5	1.5	4.5	1.5	5	380	64	4	850
TSL-57STH 6430A4	1.8	3	0.8	2.3	1.5	5	380	64	4	850
TSL-57STH 6442A4	1.8	4.2	0.55	1.2	1.5	5	380	64	4	850
TSL-57STH 7615A6	1.8	1.5	4.5	7.8	1.4	6	440	76	6	1050
TSL-57STH 7625A4	1.8	2.5	1.8	6.5	1.8	6	440	76	4	1050
TSL-57STH 7630A4	1.8	3	1	3.5	1.8	6	440	76	4	1050
TSL-57STH 7642A4	1.8	4.2	0.6	1.8	1.8	6	440	76	4	1050
TSL-57STH 8430A4	1.8	3	1.2	4.6	2.2	8	580	84	4	1200
TSL-57STH 10030A4	1.8	3	1.4	5.5	2.5	10	680	100	4	1250
TSL-57STH 10042A4	1.8	4.2	0.8	3	2.5	10	680	100	4	1250
TSL-57STH 11230A4	1.8	3	1.6	6.8	3	12	800	112	4	1400
TSL-57STH 11242A4	1.8	4.2	0.9	3.8	3	12	800	112	4	1400

Note: Standard models shown. Electrical parameters, output shafts and cable options can be customized upon request.

The mechanical specification and wiring diagrams below are reproduced exactly as supplied.



Body length L by model: 41, 45, 51, 56, 64, 76, 84, 100 or 112 mm.

6-wire diagram: Black A+, Yellow center tap, Green A-; Red B+, White center tap, Blue B-.

4-wire diagram: Black A+, Green A-; Red B+, Blue B-. The supplied drawings are reproduced without redrawing or alteration.