

# 4T4209 Series



## Specifications

### 2-phase High Torque Stepping Motors (Frame Size: 42mm, NEMA Size 17)

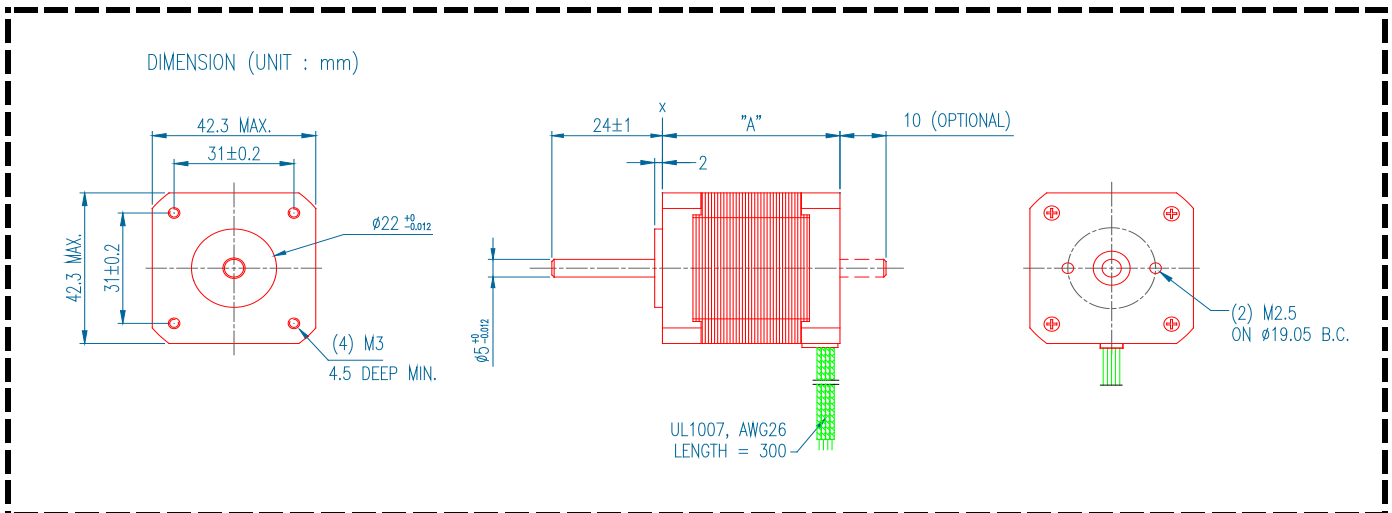
Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4209S0956	0.9	6	1.58	4	0.95	4.2	2.5	35	220
4T4209S0606	0.9	6	1.58	6	0.60	10	6.1	35	220
4T4209S0316	0.9	6	1.58	12	0.31	38.5	21	35	220
4T4209S1334	0.9	4	2.20	2.8	1.33	2.1	2.5	35	220

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4209M1206	0.9	6	2.59	4	1.20	3.3	3.2	54	280
4T4209M0806	0.9	6	2.59	6	0.80	7.5	6.7	54	280
4T4209M0406	0.9	6	2.59	12	0.40	30	30	54	280
4T4209M1684	0.9	4	3.60	2.8	1.68	1.65	3.2	54	280

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4209L1206	0.9	6	3.17	4	1.20	3.3	2.8	68	350
4T4209L0806	0.9	6	3.17	6	0.80	7.5	6.3	68	350
4T4209L0406	0.9	6	3.17	12	0.40	30	25	68	350
4T4209L1684	0.9	4	4.40	2.8	1.68	1.65	2.8	68	350

## Outline Drawing

(Shown with rear shaft and encoder mounting provision options)



SPEC.	DIM. A (mm)
S	33
M	40
L	48



# 4T4218 Series



## Specifications

### 2-phase High Torque Stepping Motors (Frame Size: 42mm, NEMA Size 17)

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218F1404	1.8	4	0.8	1.9	1.40	1.35	1.2	16	150

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218X1404	1.8	4	1.4	2.6	1.40	1.85	2.0	18	150

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218S0956	1.8	6	1.6	4	0.95	4.2	2.5	35	200
4T4218S0684	1.8	4	2.2	5.66	0.68	8.4	10	35	200
4T4218S0406	1.8	6	1.6	9.6	0.40	24	15	35	200
4T4218S0284	1.8	4	2.2	13.6	0.28	48	60	35	200
4T4218S0316	1.8	6	1.6	12	0.31	38.5	23	35	200
4T4218S0224	1.8	4	2.2	17	0.22	77	92	35	200

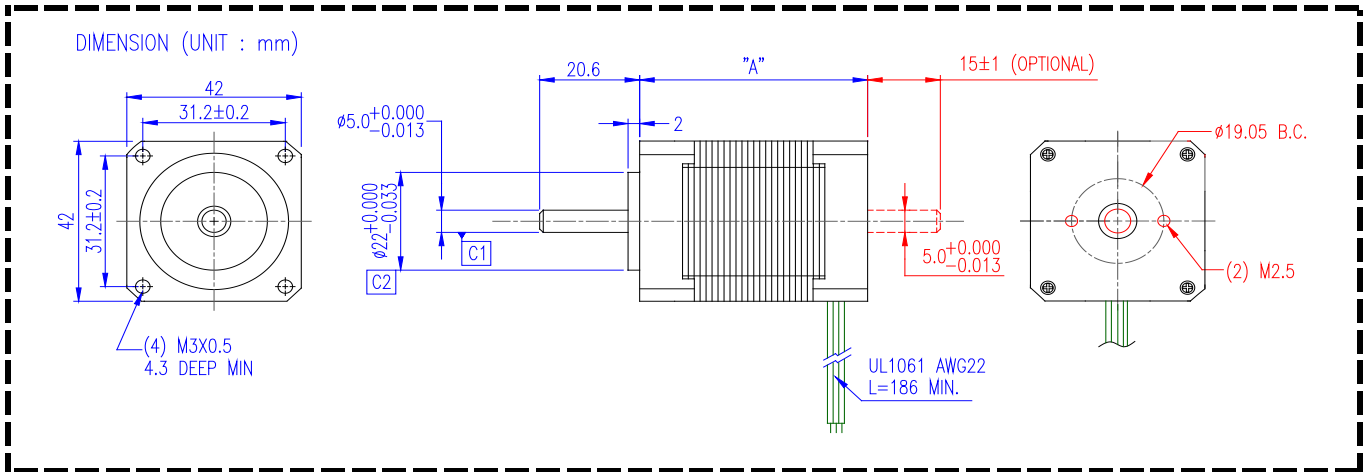
Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218M1206	1.8	6	2.6	4	1.20	3.4	3.2	53	250
4T4218M0854	1.8	4	3.6	5.8	0.85	6.8	12.8	53	250
4T4218M0806	1.8	6	2.6	6	0.80	7.5	7.7	53	250
4T4218M0574	1.8	4	3.6	8.5	0.57	15	30.8	53	250
4T4218M0406	1.8	6	2.6	12	0.40	30	28	53	250
4T4218M0304	1.8	4	3.6	17	0.30	60	112	53	250

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218L1206	1.8	6	3.2	4	1.20	3.3	3.3	68	350
4T4218L0854	1.8	4	4.4	5.7	0.85	6.6	13.2	68	350
4T4218L0806	1.8	6	3.2	6	0.80	7.5	7.5	68	350
4T4218L0574	1.8	4	4.4	8.2	0.57	15	30	68	350
4T4218L0406	1.8	6	3.2	12	0.40	30	28	68	350
4T4218L0304	1.8	4	4.4	17	0.28	60	112	68	350

Part #	Step Angle (degrees)	Leads	Holding Torque Minimum (Kg-cm)	Voltage (Volts)	Rated Current (A/Ph.)	Resistance (Ohms/Ph.)	Inductance (mH/Ph.)	Rotor Inertia (g-cm <sup>2</sup> )	Motor Weight (grams)
4T4218G1206	1.8	6	6.5	7.2	1.20	6	7.0	102	500

# Outline Drawing

4T4218 High Torque Stepper (Shown with optional rear shaft and encoder mounting provisions)



SPEC.	DIM. "A"
F	20.5
X	23.5
S	33
M	39
L	47
G	60

