



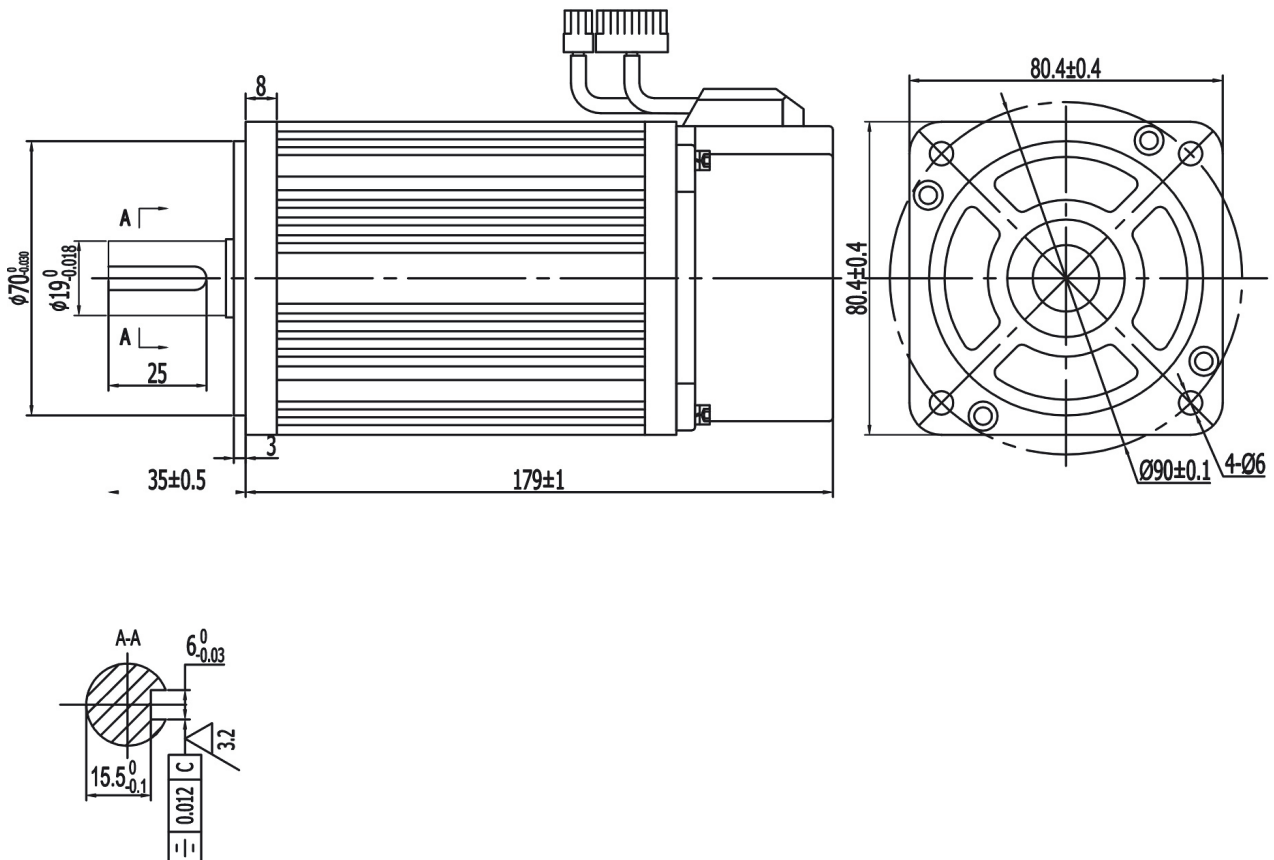
Серводвигатели PMSM, серия S3T

60CS3T 380V servo motor detail specification

Motor Model	60CS3T-M00630	60CS3T-M01330	60CS3T-M01930
Rated power (KW)	0.2	0.4	0.6
Rated voltage (V)	380		
Rated current (A)	1.2	1.8	1.7
Rated speed (rpm)	3000		
Holding torque (N.m)	0.637	1.27	1.91
Peak torque (N.m)	1.91	3.9	5.73
Voltage constant (V/1000r/min)	30.9	48	69
Torque coefficient (N.m/A)	0.53	0.71	1.12
Rotor inertia (Kg.m ²)	0.175×10^{-4}	0.29×10^{-4}	0.39×10^{-4}
Line-line Resistance (Ω)	6.18	6.7	8.9
Line-line Inductance (mH)	29.3	35.68	45.59
Electrical time-constant (ms)	4.74	5.33	5.12
Weight (Kg)	1.16	1.6	1.9
Encoder line number	2500p		
Insulation class	Class F		
Safety class	IP65		
The operating of Environmental Conditions	Temperature: -20°C ~ +40°C Humidity: Below 90%RH No dewing		

80S3T 380V servo motor detail specification

Motor Model	80S3T-M01330	80S3T-M02430	80S3T-M03520	80S3T-M04025
Rated power (KW)	0.4	0.75	0.73	1.0
Rated voltage (V)	380			
Rated current (A)	1.6	1.6	1.8	2.3
Rated speed (rpm)	3000	3000	2000	2500
Holding torque (N.m)	1.27	2.39	3.5	4
Peak torque (N.m)	3.8	7.1	10.5	12
Voltage constant (V/1000r/min)	49	89	117	105
Torque coefficient (N.m/A)	0.79	1.49	1.94	1.739
Rotor inertia (Kg.m ²)	1.05×10^{-4}	1.82×10^{-4}	2.63×10^{-4}	2.97×10^{-4}
Line-line Resistance (Ω)	7.19	9.52	10.13	6.62
Line-line Inductance (mH)	12.65	21.81	24.07	16.84
Electrical time-constant (ms)	1.76	2.29	2.38	2.54
Weight (Kg)	1.8	2.9	3.9	4.1
Encoder line number	2500p			
Insulation class	Class F			
Safety class	IP65			
The operating of Environmental Conditions	Temperature: -20°C ~ +40°C Humidity: Below 90%RH No dewing			



90S3T 380V servo motor detail specification

Motor Model	90S3T-M02430	90S3T-M03520	90S3T-M04025
Rated power (KW)	0.75	0.73	1.0
Rated voltage (V)	380		
Rated current (A)	2	2	2.7
Rated speed (rpm)	3000	2000	2500
Holding torque (N.m)	2.39	3.5	4
Peak torque (N.m)	7.1	10.5	12
Voltage constant (V/1000r/min)	74	115	99
Torque coefficient (N.m/A)	1.2	1.75	1.48
Rotor inertia (Kg.m ²)	2.45×10^{-4}	3.4×10^{-4}	3.7×10^{-4}
Line-line Resistance (Ω)	7.8	10.74	6.68
Line-line Inductance (mH)	16.09	25.23	20.33
Electrical time-constant (ms)	2.06	2.35	3.04
Weight (Kg)	3.1	3.9	4.2
Encoder line number	2500p		
Insulation class	Class F		
Safety class	IP65		
The operating of Environmental Conditions	Temperature: -20°C ~ +40°C Humidity: Below 90%RH No dewing		

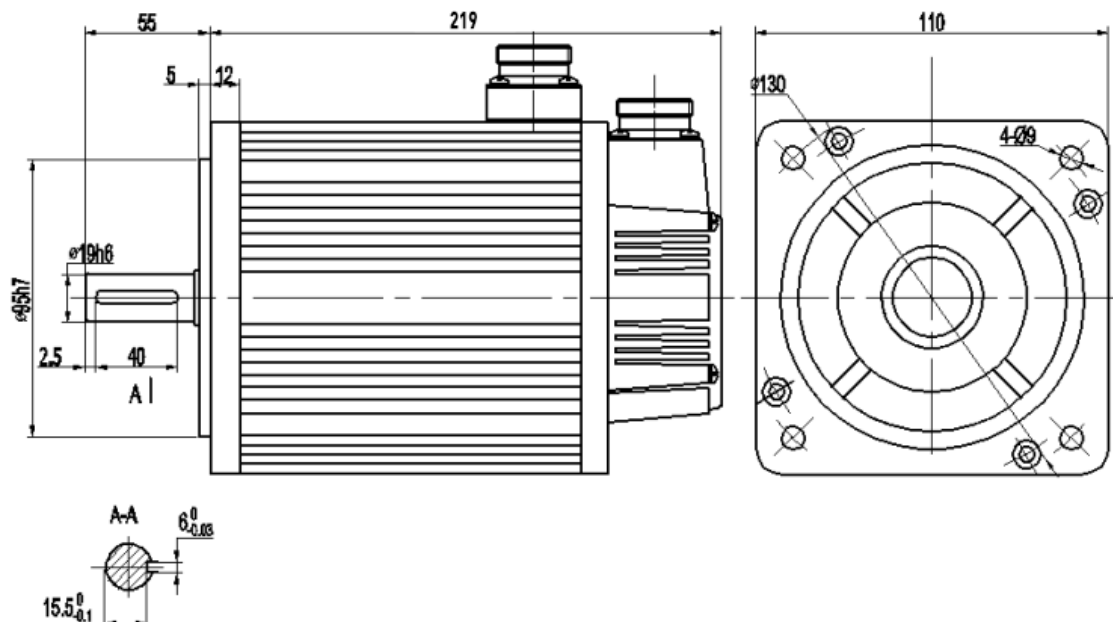
100S3T 380V servo motor detail specification

Motor Model	100S3T-M03230	100S3T-M06430
Rated power (KW)	1.0	2.0
Rated voltage (V)	380	
Rated current (A)	2.9	5.7
Rated speed (rpm)	3000	
Holding torque (N.m)	3.2	6.4
Peak torque (N.m)	9.6	19.2
Voltage constant (V/1000r/min)	68.3	67.3
Torque coefficient (N.m/A)	1.11	1.12
Rotor inertia (Kg.m ²)	2.64×10^{-4}	4.42×10^{-4}
Line-line Resistance (Ω)	2.98	1.19
Line-line Inductance (mH)	26.6	11.66
Electrical time-constant (ms)	8.93	9.8
Weight (Kg)	4.1	7.2
Encoder line number	2500p	
Insulation class	Class F	
Safety class	IP65	
The operating of Environmental Conditions	Temperature: -20°C ~ +40°C Humidity: Below 90%RH No dewing	

110S3T 380V servo motor detail specification

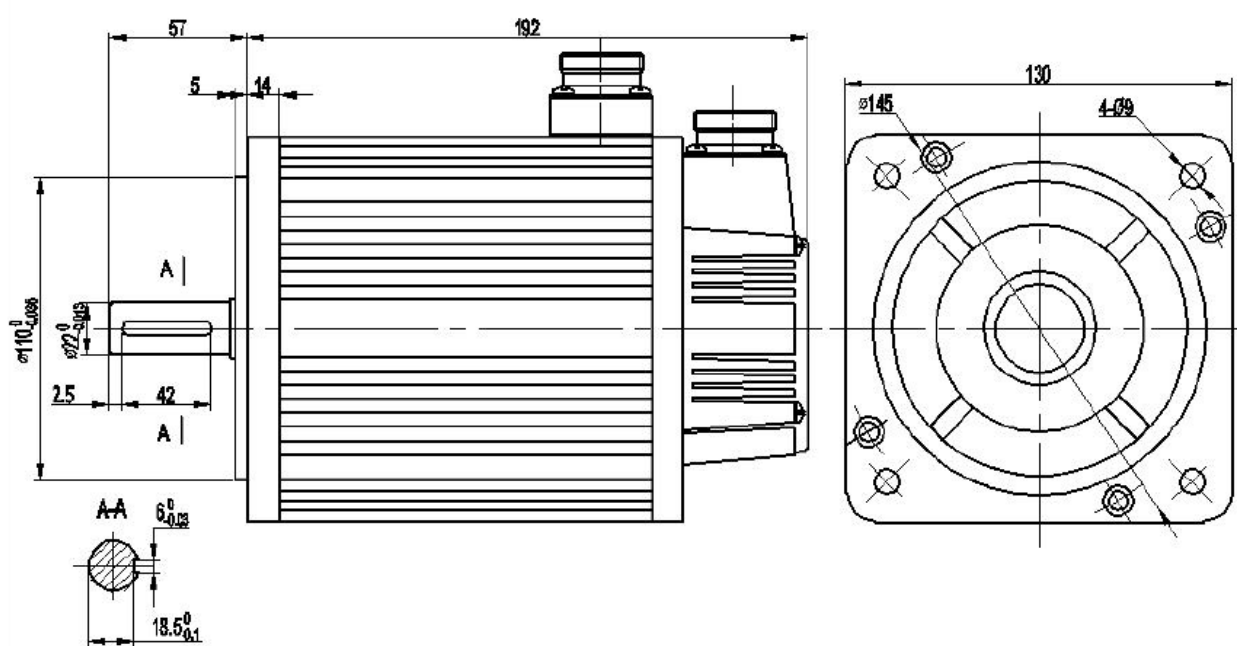
Motor Model	110S3T-M02030	110S3T-M04020	110S3T-M04030	110S3T-M05030	110S3T-M06020	110S3T-M06030
Rated power (KW)	0.6	0.8	1.2	1.5	1.2	1.8
Rated voltage (V)	380					
Rated current (A)	2.0		3.0	4.5	3.0	4.5
Rated speed (rpm)	3000	2000	3000		2000	3000
Holding torque (N.m)	2	4		5	6	
Peak torque (N.m)	6	12		15	12	18
Voltage constant (V/1000r/min)	82	135	89	90	133	90
Torque coefficient (N.m/A)	1.0	2	1.33	1.11	2.0	1.33
Rotor inertia (Kg.m2)	0.31x10 ⁻³	0.54x10 ⁻³		0.63x10 ⁻³	0.76x10 ⁻³	
Line-line Resistance (Ω)	8.5	7.4	3.2	2.27	4.2	1.9
Line-line Inductance (mH)	16.9	20.6	8.78	7.4	12.5	5.83
Electrical time-constant (ms)	1.988	2.78	2.74	3.26	2.98	3.06
Weight (Kg)	4.5	6		6.8	7.9	
Encoder line number	2500p					
Insulation class	Class F					
Safety class	IP65					
The operating of Environmental Conditions	Temperature: -20℃～ +40℃ Humidity: Below 90%RH No dewing					

Motor winding	Winding lead wire	U					V			W				PE		
plug	Plug serial number	2					3			4				1		
Encoder plug	Signal lead wire	PE	5V	0V	A	B	Z	A-	B-	Z-	U	V	W	U-	V-	W-
	Plug serial number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



130S3T 380V servo motor detail specification

Motor Model	130S3T-M04025	130S3T-M05025	130S3T-M06025	130S3T-M07720	130S3T-M07725	130S3T-M10010	130S3T-M10015	130S3T-M10020	130S3T-M10025	130S3T-M15015	130S3T-M15025
Rated power (KW)	1	1.3	1.5	1.6	2	1	1.5	2	2.6	2.3	3.8
Rated voltage (V)	380										
Rated current (A)	2.6	3.0	3.7	4	4.7	2.5	3.5	5.1	5.9	5	7.4
Rated speed (rpm)	2500			2000	2500	1000	1500	2000	2500	1500	2500
Holding torque (N.m)	4	5	6	7.7	7.7	10				15	
Peak torque (N.m)	12	15	18	22	22	20	25			30	
Voltage constant (V/1000r/min)	113	114	110	132	111	243	177	131	115	188	125
Torque coefficient (N.m/A)	1.54	1.67	1.62	1.93	1.64	4	2.85	1.96	1.69	3	2.03
Rotor inertia (Kg.m2)	0.9x10 ⁻³	1.1x10 ⁻³	1.3x10 ⁻³	1.53x10 ⁻³		1.94x10 ⁻³				2.77x10 ⁻³	
Line-line Resistance (Ω)	6.27	5.1	3.4	3.74	2.49	8.17	4.37	2.33	1.986	3.27	1.41
Line-line Inductance (mH)	15.53	12.31	9.23	10.6	7.08	26.7	13.12	8.2	6.2	12.36	5.5
Electrical time-constant (ms)	2.48	2.41	2.7	2.83	2.84	3.27	3	3.51	3.12	3.78	3.9
Weight (Kg)	7.7	8.2	8.9	8.5	10	11.5				14.5	
Encoder line number	2500p										
Insulation class	Class F										
Safety class	IP65										
The operating of Environmental Conditions	Temperature: -20℃～ +40℃ Humidity: Below 90%RH No dewing										



150S3T 380V servo motor detail specification

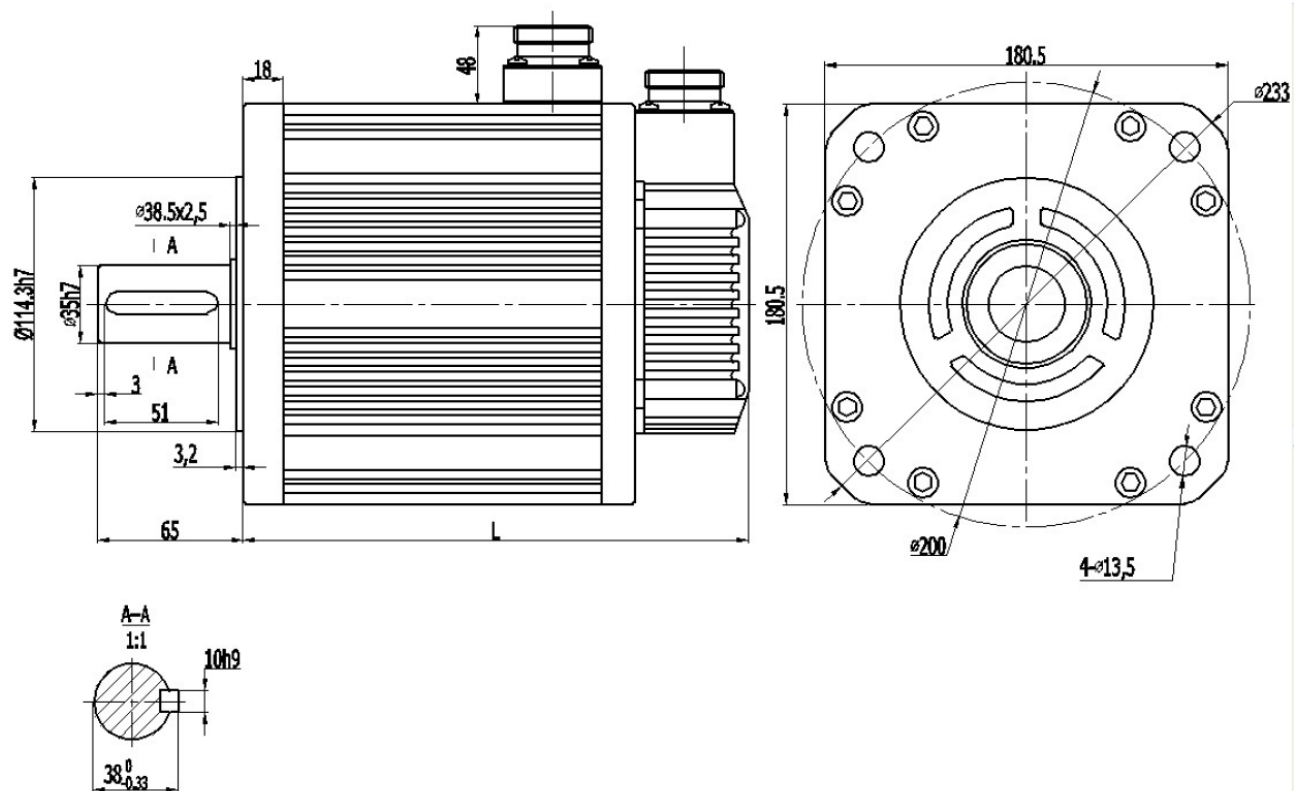
Motor Model	150S3T-M15020	150S3T-M15025	150S3T-M18020	150S3T-M23020	150S3T-M27015	150S3T-M27020	150S3T-M27025
Rated power (KW)	3.0	3.8	3.6	4.7	4.2	5.5	6.8
Rated voltage (V)	380						
Rated current (A)	6.8	9.5	8.5	12	11	14.5	17
Rated speed (rpm)	2000	2500	2000	2000	1500	2000	2500
Holding torque (N.m)	15	15	18	23	27		
Peak torque (N.m)	30	30	36	46	54		
Voltage constant (V/1000r/min)	141	106	141	126	170	127	106
Torque coefficient (N.m/A)	2.2	1.58	2.12	1.91	2.45	1.86	1.588
Rotor inertia (Kg.m2)	3.88x10 ⁻³		4.6x10 ⁻³	5.8x10 ⁻³	6.8x10 ⁻³		
Line-line Resistance (Ω)	1.38	0.8	1.024	0.63	0.878	0.5	0.36
Line-line Inductance (mH)	6.32	3.55	5.19	3.25	4.9	2.8	1.95
Electrical time-constant (ms)	4.58	4.44	5.068	5.16	5.58	5.6	5.42
Weight (Kg)	15.2		17.2	21	23.5		
Encoder line number	2500p						
Insulation class	Class F						
Safety class	IP65						
The operating of Environmental Conditions	Temperature: -20℃～ +40℃ Humidity: Below 90%RH No dewing						

Motor winding plug	Winding lead wire	U				V			W				PE			
	Plug serial number	2				3			4				1			
Encoder plug	Signal lead wire	PE	5V	0V	A	B	Z	A-	B-	Z-	U	V	W	U-	V-	W-
	Plug serial number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

180S3T 380V servo motor detail specification

Motor Model	180S3T-M17215	180S3T-M19015	180S3T-M21520	180S3T-M27010	180S3T-M027015	180S3T-M35010	180S3T-M35015	180S3T-M48015
Rated power (KW)	2.7	3.0	4.5	2.9	4.3	3.7	5.5	7.5
Rated voltage [V]	380							
Rated current [A]	6.5	7.5	9.5	7.5	10	10	12	20
Rated speed (rpm)	1500	1500	2000	1000	1500	1000	1500	1500
Holding torque (N.m)	17.2	19	21.5	27	27	35	35	48
Peak torque (N.m)	43	47	53	67	67	70	70	96
Voltage constant (V/1000r/min)	167	170	140	224	172	223	181	156
Torque coefficient (N.m/A)	2.65	2.5	2.26	3.6	2.7	3.5	2.9	2.4
Rotor inertia (Kg.m ²)	3.4x10 ⁻³	3.8x10 ⁻³	4.7x10 ⁻³	6.1x10 ⁻³	6.1x10 ⁻³	8.6x10 ⁻³	8.6x10 ⁻³	9.5x10 ⁻³
Line-line Resistance (Ω)	1.47	1.23	0.71	1.37	0.796	0.93	0.62	0.273
Line-line Inductance (mH)	7.8	7.3	4	8.6	4.83	9.1	4	2.14
Electrical time-constant (ms)	5.3	5.93	5.6	6.27	6	9.78	6.45	7.8
Weight (Kg)	19.5	20.5	22.2	25.5	25.5	30.5	30.5	40
Encoder line number	2500p							
Insulation class	Class F							
Safety class	IP65							
The operating of Environmental Conditions	Temperature: -20°C~ +40°C Humidity: Below 90%RH No dewing							

Motor winding plug	Winding lead wire	U				V			W				PE			
	Plug serial number	2				3			4				1			
Photoelectric encoder socket (15 pin)	Signal lead wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Absolute encoder socket (7 pin)	Signal lead wire	E-		E+		SD-		0V		SD+		+5V		PE		
	Plug serial number	2		3		4		5		6		7		1		





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