

# TFL SSS Motor Specification List

## 2040 series Internal rotor brushless motor

Model	Tum Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
2040	22T	2604	11	20	250	0.5	60K	Ø2.3	Ø20 * 40	63	2P

## 2940 series Internal rotor brushless motor

Model	Tum Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
SSS 2940	7D	4122	34	13	450	1.2	60K	3.17/4	29*40	103	4P
	6.5D	4300	34	13		1.3					4P

## 2960 series Internal rotor brushless motor

Model	Tum Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
2960	3D	4200	93	14	1300	2.2	60K	Ø4/3.17	Ø29.5 * 61	170	4P
	4.5D	2880	65	20	1300	1.7	60K	Ø4/3.17	Ø29.5 * 61	170	4P
	5.5D	2400	52	25	1300	1.0	60K	Ø4/3.17	Ø29.5 * 61	170	4P
	7D	1810	41	32	1300	0.7	60K	Ø4/3.17	Ø29.5 * 61	170	4P

**3650 series Internal rotor brushless motor**

Model	Tum Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
3650	5D	3300	78	18	1400	1.9	60K	Ø5/3.17	Ø36 * 50	190	4P
	6D	2700	63	22		1.4					4P
	7.5D	2080	50	28		1.0					4P
	5Y	1500	32	40		0.8					4P

**3660 series Internal rotor brushless motor**

Model	Tum Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
3660	3D	3300	112	16	1700	2.7	60K	5	36*60	240	4P
	3.5D	3000	94	19		2.4					4P
	4D	2700	80	22		1.7					4P
	4.5D	2400	72	25		1.6					4P
	2.5Y	2000	58	29		1.7					4P
	3Y	1620	43	40		1.1					4P

**3665 series Internal rotor brushless motor**

Model	Turn Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
3665	4.5D	1800	60	33	2000	1.6	60K	5	36*65	280	4P
	3.5D	2230	76	26		2.3					4P
	3D	2800	90	22		2.7					4P
	2.5	3200	110	18		3.2					4P

**3674 series Internal rotor brushless motor**

Model	Turn Motor winding	KV	Maximum current(A)	Maximum voltage (V)	Maximum power (W)	Idling current (A)	Maximum speed	Shaft diameter Ø (mm)	Motor size (mm)	Weight (g)	Poles (P)
3674	2.5D	3200	122	18	2200	2.6	60K	Ø 5	Ø 36*74	320	4P
	4D	2075	73	30		1.9					4P
	6D	1300	50	44		1.2					4P
	7D	1080	42	52		1					4P

### 3682 Series 4 Poles Inner Runner Brushless Motors

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continuous (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter-Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
3682	1.5Y	2050	128A	28V	2000W	3600W	0.0073	2.5A	58K	36*82	20mm	5	380g	4P
	2Y	1550	100A	36V	2000W	3600W	0.01033	1.9A	58K	36*82	20mm	5	380g	4P
	2.5Y	1230	85A	42V	2000W	3600W	0.0143	1.7A	58K	36*82	20mm	5	380g	4P
	3Y	1000	75A	48V	2000W	3600W	0.0172	1.4A	55K	36*82	20mm	5	380g	4P
	2D	2900	180A	20V	2000W	3600W	0.0042	3.9A	58K	36*82	20mm	5	380g	4P
	2.5D	2300	144A	25V	2000W	3600W	0.0073	3.1A	58K	36*82	20mm	5	380g	4P
	3D	1930	120A	30V	2000W	3600W	0.0083	2.8A	58K	36*82	20mm	5	380g	4P
	3.5D	1660	103A	35V	2000W	3600W	0.0102	2.0A	58K	36*82	20mm	5	380g	4P
	4D	1450	92A	39V	2000W	3600W	0.013	1.9A	58K	36*82	20mm	5	380g	4P

## 4074 Series 4 Poles Inner Runner Brushless Motors

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continuous (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter-Length (mm)	Length of extend shaft	Shaft $\varnothing$ (mm)	Weight (g)	poles
4074	2Y	2050	151A	26V	2000W	4000W	0.006	2.8A	55K	40*74	20mm	5	390g	4P
	2.5Y	1600	121A	33V	2000W	4000W	0.0091	2A	55K	40*74	20mm	5	390g	4P
	3Y	1420	109A	37V	2000W	4000W	0.0113	1.6A	55K	40*74	20mm	5	390g	4P
	3.5Y	1200	94A	42V	2000W	4000W	0.0171	1.3A	55K	40*74	20mm	5	390g	4P
	4Y	1050	80A	50V	2000W	4000W	0.0192	1.1A	55K	40*74	20mm	5	390g	4P
	3D	2600	192A	20V	2000W	4000W	0.0034	4A	55K	40*74	20mm	5	390g	4P
	3.5D	2200	163A	24V	2000W	4000W	0.0058	2.9A	55K	40*74	20mm	5	390g	4P
	4D	1920	142A	28V	2000W	4000W	0.0069	2.1A	55K	40*74	20mm	5	390g	4P
	4.5D	1700	124A	31V	2000W	4000W	0.0093	1.9A	55K	40*74	20mm	5	390g	4P

## 4082 Series 4 Poles Inner Runner Brushless Motors

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continuous (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter- Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
4082	2Y	1600	135A	35V	2500W	5000W	0.006	1.5A	55K	40*83	20mm	5	490g	4P
	2.5Y	1280	110A	43V	2500W	5000W	0.0091	1.3A	55K	40*83	20mm	5	490g	4P
	3Y	1080	98A	51V	2500W	5000W	0.015	1.2A	55K	40*83	20mm	5	490g	4P
	2D	3100	280A	18V	2500W	5000W	0.0171	5.9A	55K	40*83	20mm	5	490g	4P
	2.5D	2600	230A	21V	2500W	5000W	0.0192	4.2A	55K	40*83	20mm	5	490g	4P
	3D	2200	192A	25V	2500W	5000W	0.0047	3.2A	55K	40*83	20mm	5	490g	4P
	3.5D	1870	163A	30V	2500W	5000W	0.007	2.9A	55K	40*83	20mm	5	490g	4P
	4D	1600	142A	35V	2500W	5000W	0.0088	2.2A	55K	40*83	20mm	5	490g	4P
	4.5D	1400	124A	39V	2500W	5000W	0.011	2A	55K	40*83	20mm	5	490g	4P
	4Y	900	80A	60V	2500W	5000W	0.028	1.1A	55K	40*83	20mm	5	490g	4P
	5Y	720	74A	67V	2500W	5000W	0.036	1A	55K	40*83	20mm	5	490g	4P
6Y	600	70A	70V	2500W	5000W	0.041	0.9A	55K	40*83	20	5	490	4P	

4092 Series 4 Poles Inner Runner Brushless Motors										
Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Max Power (W)	Idle Current (A)	Max RPM	Shaft Ø (mm)	Motor Dimension (mm)	Weight (g)
4092	1.5Y	2000	225	23	5000	4.0	45K	Ø5	40*92	530
	2Y	1400	150	33		2.7				
	2.5Y	1200	138	37		1.8				
	3Y	1080	125	40.7	5000	1.6	45K	Ø5	40*92	530
	3.5Y	850	105	48.1		1.5				
	4Y	720	90	58		1.3				
	4.5	650	83	60	5000	1.2	45K	Ø5	40*92	530
	5Y	600	75	66.6		1.1				
	2.5D	2200	255	22		4.2				
	3D	1850	205	25	5000	3.5	45K	Ø5	40*92	530
3.5D	1650	180	28	3.0						

5684 Series 6 Poles Inner Runner Brushless Motors														
Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continuous (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter-Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
5684	5Y	1140	176A	42V	4000W	7500W	0.00652	2.7	50K	56*84	25mm	8	730g	6P
	6Y	920	141A	52V	4000W	7500W	0.00762	2.3	50K	56*84	25mm	8	730g	6P
	7Y	800	122A	60V	4000W	7500W	0.01245	2.1	50K	56*84	25mm	8	730g	6P
	8Y	700	107A	68V	4000W	7500W	0.01384	1.9	50K	56*84	25mm	8	730g	6P
	9Y	620	93A	78V	4000W	7500W	0.01535	1.7	50K	56*84	25mm	8	730g	6P
	6D	1700	263A	28V	4000W	7500W	0.00253	5.6	50K	56*84	25mm	8	730g	6P
	7D	1430	222A	33V	4000W	7500W	0.00392	4	50K	56*84	25mm	8	730g	6P
	8D	1300	200A	37V	4000W	7500W	0.00462	3.5	50K	56*84	25mm	8	730g	6P
	9D	1160	176A	42V	4000W	7500W	0.00512	3	50K	56*84	25mm	8	730g	6P

### 5694 Series 6 Poles Inner Runner Brushless Motors

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continious (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter-Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
5694	5Y	920	170A	50V	5000W	9000W	0.0069	2.7	48K	56*94	25mm	8	870g	6P
	6Y	780	140A	59V	5000W	9000W	0.0082	2	48K	56*94	25mm	8	870g	6P
	7Y	640	126A	67V	5000W	9000W	0.0125	2.2	48K	56*94	25mm	8	870g	6P
	8Y	580	107A	80V	5000W	9000W	0.0148	1.9	48K	56*94	25mm	8	870g	6P
	9Y	510	96A	90V	5000W	9000W	0.0167	1.7	48K	56*94	25mm	8	870g	6P
	6D	1400	258A	33V	5000W	9000W	0.00279	5.6	48K	56*94	25mm	8	870g	6P
	7D	1200	228A	39V	5000W	9000W	0.00438	4	48K	56*94	25mm	8	870g	6P
	8D	1050	200A	45V	5000W	9000W	0.00513	3.5	48K	56*94	25mm	8	870g	6P
	9D	950	176A	50V	5000W	9000W	0.0061	3	48K	56*94	25mm	8	870g	6P

### 56104 Series 6 Poles Inner Runner Brushless Motors

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continious (W)	Max Power (W)	Resistance	No-load Current (11.1V)	Max RPM	Motor Diameter-Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
56104	5Y	780	178A	60V	6000W	11000W	0.0073	2.7	45K	56*104	25mm	8	1020g	6P
	6Y	650	150A	70V	6000W	11000W	0.0095	2	45K	56*104	25mm	8	1020g	6P
	7Y	550	130A	80V	6000W	11000W	0.01502	1.7	45K	56*104	25mm	8	1020g	6P
	8Y	480	116A	88V	6000W	11000W	0.0167	1.4	45K	56*104	25mm	8	1020g	6P
	9Y	420	104A	98V	6000W	11000W	0.01824	1.2	45K	56*104	25mm	10	1020g	6P
	10Y	370	95A	108V	6000W	11000W	0.0265	1	45K	56*104	25mm	10	1020g	6P
	5D	1400	320A	32V	6000W	11000W	0.0027	5.8	45K	56*104	25mm	8	1020g	6P
	6D	1200	270A	38V	6000W	11000W	0.0031	4.6	45K	56*104	25mm	8	1020g	6P
	7D	1020	230A	45V	6000W	11000W	0.0058	3.8	45K	56*104	25mm	8	1020g	6P
	8D	900	200A	52V	6000W	11000W	0.0065	3.2	45K	56*104	25mm	8	1020g	6P
	9D	800	180A	58V	6000W	11000W	0.0078	2.6	45K	56*104	25mm	8	1020g	6P
	10D	700	160A	65V	6000W	11000W	0.0088	2.3	45K	56*104	25mm	8	1020g	6P



**56114 Series 6 Poles Inner Runner Brushless Motors**

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continious (W)	Max Power (W)	Resistanc e	No-load Current (11.1V)	Max RPM	Motor Diameter- Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
56114	5Y	700	185A	65V	7000W	13000W	0.0089	3.2	45K	56*114	30mm	10	1100g	6P
	6Y	600	155A	75V	7000W	13000W	0.0112	2.5	45K	56*114	30mm	10	1100g	6P
	7Y	500	132A	90V	7000W	13000W	0.01642	2.3	45K	56*114	30mm	10	1100g	6P
	8Y	440	118A	102V	7000W	13000W	0.0192	2	45K	56*114	30mm	10	1100g	6P
	9Y	390	102A	118V	7000W	13000W	0.0215	1.7	45K	56*114	30mm	10	1100g	6P
	10Y	350	93A	130V	7000W	13000W	0.0302	1.4	45K	56*114	30mm	10	1100g	6P
	5D	1200	338A	38V	7000W	13000W	0.0032	7.5	45K	56*114	30mm	10	1100g	6P
	6D	1020	275A	45V	7000W	13000W	0.0041	6	45K	56*114	30mm	10	1100g	6P
	7D	880	230A	51V	7000W	13000W	0.0052	5.4	45K	56*114	30mm	10	1100g	6P
	8D	770	200A	52V	7000W	13000W	0.0062	4.5	45K	56*114	30mm	10	1100g	6P
	9D	680	190A	65V	7000W	13000W	0.007	3.9	45K	56*114	30mm	10	1100g	6P
	10D	600	170A	75V	7000W	13000W	0.0101	3.1	45K	56*114	30mm	10	1100g	6P

**56123 Series 6 Poles Inner Runner Brushless Motors**

Model No.	Turn	KV	Max Amps (A)	Max Voltage (V)	Continious (W)	Max Power (W)	Resistanc e	No-load Current (11.1V)	Max RPM	Motor Diameter- Length (mm)	Length of extend shaft	Shaft Ø (mm)	Weight (g)	poles
56123	6Y	500	188A	50V	5200W	9400W	0.01452	2.3A	25K	56*123	30mm	10	1340g	6P
	7Y	420	158A	50V	4400W	7900W	0.0248	1.9A	21K	56*123	30mm	10	1340g	6P
	8Y	360	135A	50V	3800W	6750W	0.028	1.6A	18K	56*123	30mm	10	1340g	6P
	5Y	600	220A	66V	9000W	15000W	0.0122	2.8	40K	56*123	30mm	10	1330g	6P
	6Y	500	188A	72V	9000W	15000W	0.01452	2.3	40K	56*123	30mm	10	1330g	6P
	7Y	420	158A	90V	9000W	15000W	0.0248	1.9	40K	56*123	30mm	10	1330g	6P
	8Y	360	135A	102V	9000W	15000W	0.0278	1.6	40K	56*123	30mm	10	1330g	6P
	9Y	320	120A	118V	9000W	15000W	0.0315	1.3	40K	56*123	30mm	10	1330g	6P
	10Y	285	108A	130V	9000W	15000W	0.0436	1.1	40K	56*123	30mm	10	1330g	6P
	11Y	250	100A	145V	9000W	15000W	0.0473	1	40K	56*123	30mm	10	1330g	6P
	12Y	230	95A	155V	9000W	15000W	0.0523	0.9	40K	56*123	30mm	10	1330g	6P
	5D	1100	420A	35V	9000W	15000W	0.0039	7.7	40K	56*123	30mm	10	1330g	6P
	6D	900	342A	42V	9000W	15000W	0.0047	5.7	40K	56*123	30mm	10	1330g	6P
	7D	800	280A	50v	9000W	15000W	0.0058	4.5	40K	56*123	30mm	10	1330g	6P
	8D	700	248A	55v	9000W	15000W	0.0715	3.5	40K	56*123	30mm	10	1330g	6P
	9D	620	210A	65V	9000W	15000W	0.0982	2.9	40K	56*123	30mm	10	1330g	6P
	10D	550	197A	72V	9000W	15000W	0.0132	2.7	40K	56*123	30mm	10	1330g	6P
	6Y	500	188A	50V	5200W	9400W	0.01452	2.3A	25K	56*123	30mm	10	1340g	6P
	7Y	420	158A	50V	4400W	7900W	0.0248	1.9A	21K	56*123	30mm	10	1340g	6P
	8Y	360	135A	50V	3800W	6750W	0.028	1.6A	18K	56*123	30mm	10	1340g	6P