

DC Brushed Motors

宁波力圣电机有限公司

NINGBO LEISON MOTOR CO.,LIMITED

Company Profile

Ningbo Leison Motor Co.,Limited, is a professional manufacturer engaged in the research, development, production, sale of micro motor. Our main products include dc motor, gear motor, brushless motor, stepping motor, ac motor, etc. Our motors are mainly used in the industries of electronic door lock, robot, intelligent household appliance, medical equipment, industrial automation equipment, 3D printers, electric curtain, electric tools, etc.

The company is in compliance with ISO 9001 management requirements, and all our products have obtained CE certification and EU environmental protection ROSH certification requirements. In addition to the domestic market, our company has been exported to over 89 countries and regions including the United States, Germany, Japan and Australia by 2018.

Our company has strong research and development capabilities. In addition to the existing more than 300 conventional products, the company develops more than 10 new products every year to meet the different needs of customers.

We will continue to make efforts to innovate and improve our hardware facilities and customer service. We are committed to become the most reliable motor supplier and integrated solution service provider around you, Ningbo Leison Motor sincerely look forward to cooperate with you!

Product Ranges

DC Brush motor : 6mm-130mm diameter, 0.1W-500W output power
DC Spur Gear Motor : 12mm-104mm diameter, 0.1W-300W output power
DC Planetary Gear Motor : 10mm-120mm diameter, 0.1W-250W output power
Dc Brushless Motor : 24mm-110mm, 1W-1500W output power
Stepper Motor : 20mm - 130mm diameter
AC Gear Motor : 42mm - 104mm diameter, 3W-400W output power
Other Motor : Developing...

Certificates

DC MOTOR STEPPER MOTOR BRUSHLESS MOTOR LEISON MOTOR TRADEMAKE SGS CERTIFICATE



MANUFACTURING PLANT


Manufacture Building


CNC center

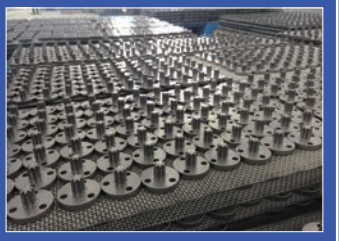

Thermal Treatment Machine


Dynamic Balance Process


Production Line


Wire Winding


Shaft Material in Hardware Workshop


Gear Material in Hardware Workshop


Precision Test

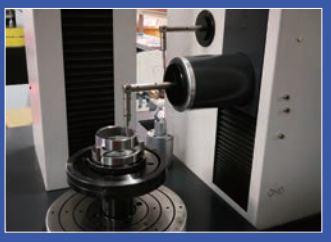

Gear Microscope

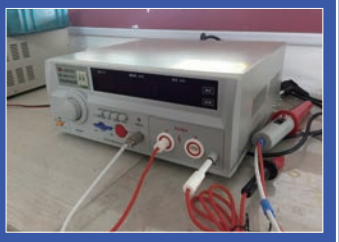

Motors Waiting for Inspection


In Process Inspection


Production Inspection


Moter Comprehensive Test Instrument


Gear Measuring Instrument


Resistance Tester


Lifetime Testing Instrumen


Noise Testing Room


Raw Material Warehouse



Sales Team Office

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DC Micro Motors 01–19

PMDC Motor 20–28

NBLEISON

FA–130 RA/SA

Application:

Typical Applications、Typical Applications、Motorized Plastic Model。

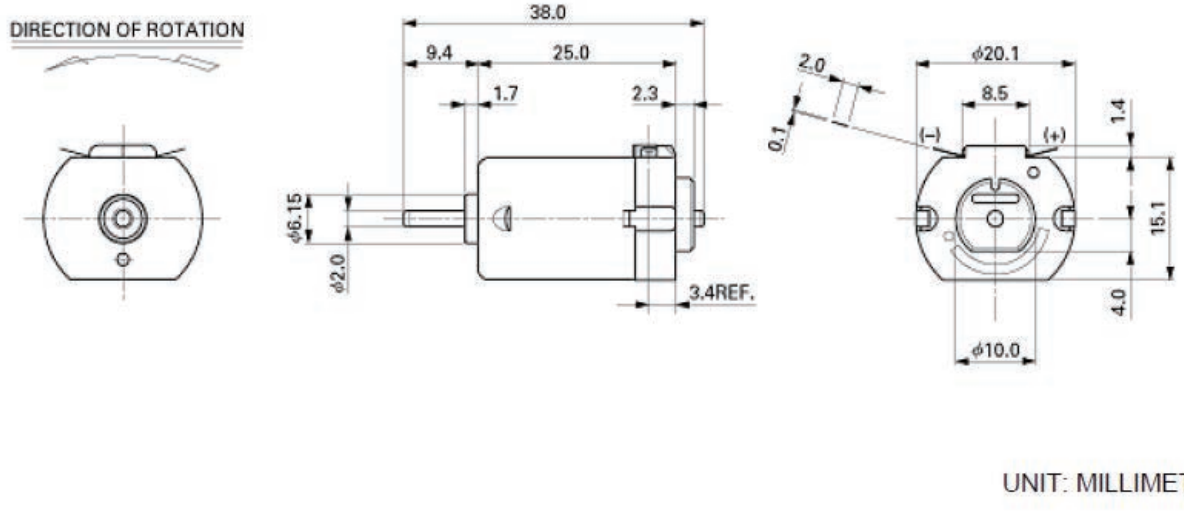


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
FA-130RA-2270	DC 1.5-3.0V	DC 1.5V	9100	0.2	6990	0.66	0.59	6	0.43	2.55	26	2.2
		DC 3V	16400	0.23	13200	0.95	0.84	8.6	1.16	4.32	44	3.92
FA-130RA-18100	DC 1.5-3.0V	DC 1.5V	6200	0.15	4540	0.41	0.47	4.8	0.22	1.76	18	1.12
		DC 3V	12300	0.15	9710	0.56	0.74	7.6	0.76	3.53	36	2.1
FA-130RA-14150	DC 1.5-4.5V	DC 3V	8300	0.11	6150	0.31	0.55	5.6	0.35	2.11	22	0.9
FA-130SA-2270	DC 1.5-3.0V	DC 3V	13000	0.2	10650	0.91	1.24	12.7	1.38	6.86	70	4.1
FA-130SA-18100	DC 1.5-4.5V	DC 3V	9300	0.14	7350	0.53	1.03	10.5	0.79	4.91	50	2
FA-130SA-14150	DC 1.5-4.5V	DC 3V	6200	0.08	4780	0.27	0.74	7.6	0.37	3.23	33	0.9

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



UNIT: MILLIMETERS

FF–030 PA/PK/PN

Application:

CD/MD Player、Pressure Meter、CD/DVD-ROM Drive、Toys。

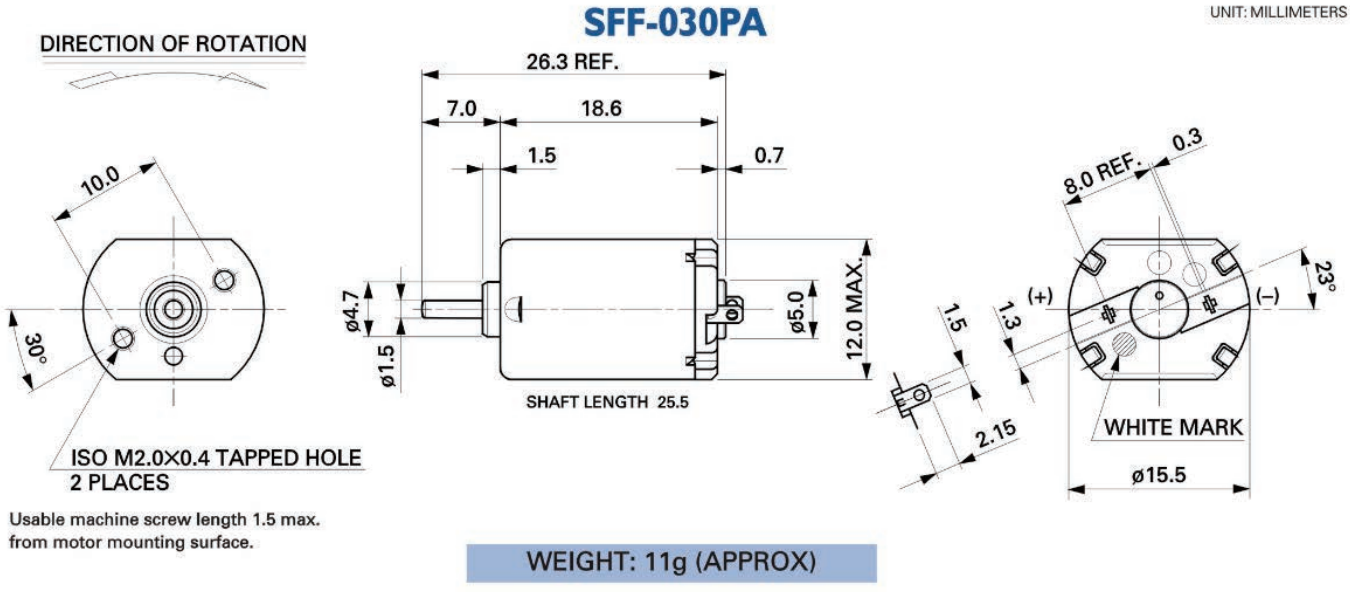


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
FF-030PA-10180	DC 3.5-6.0V	DC 5.0V	11700	0.05	9230	0.19	0.5	5.1	0.48	2.35	24	0.7
FF-030PA-09180	DC 1.0-5.0V	DC 5.0V	10500	0.046	8140	0.16	0.44	4.5	0.37	1.96	20	0.55
FF-030PK-08250	DC 1.0-6.0V	DC 2.5V	4100	0.028	2940	0.071	0.21	2.1	0.064	0.74	7.6	0.18
		DC 5.0V	10500	0.041	8020	0.13	0.43	4.4	0.36	1.81	19	0.43
FF-030PN-09210	DC 4.5-6.0V	DC 5.0V	10400	0.045	8000	0.15	0.42	4.3	0.35	1.81	19	0.5

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



FF–050SB

Application:

CD/DVD-ROM Drive、CD/MD Player/Car CD Player、Aeromodelling。

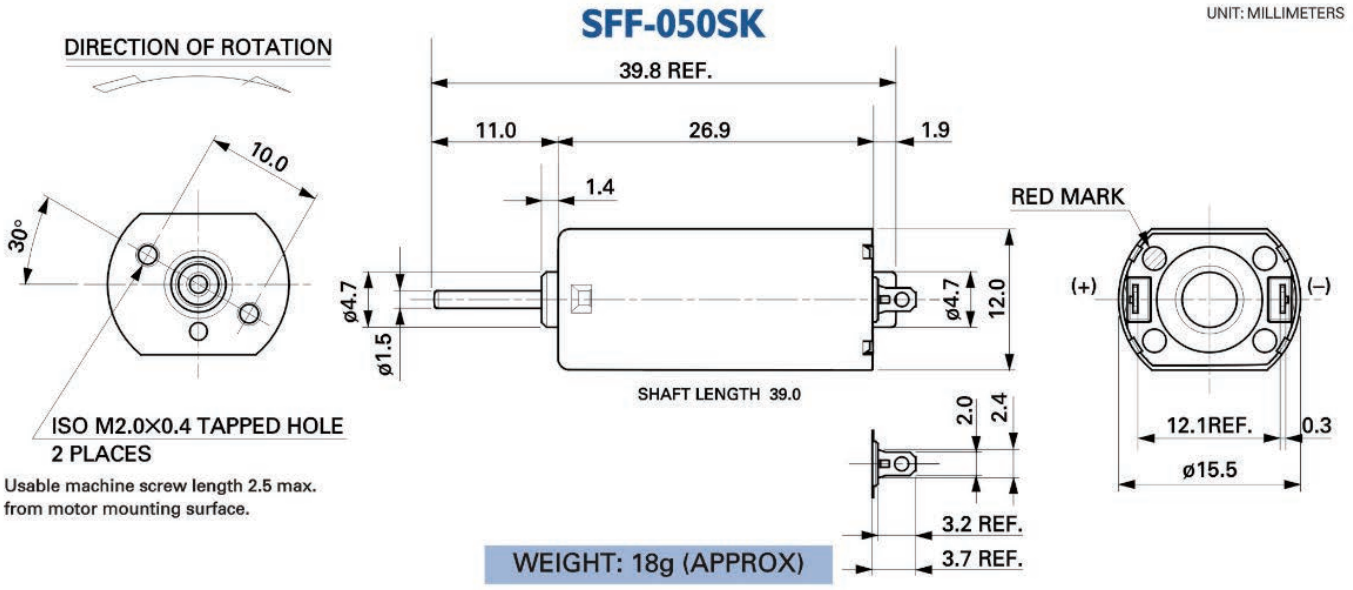


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
FF-050SB-09250	DC 5.0-11.5V	DC 5.0V	8100	0.023	6610	0.1	0.63	6.4	0.44	3.43	35	0.45
FF-050SB-11170	DC 3.0-9.0V	DC 5.0V	10300	0.05	8500	0.17	0.69	7	0.61	4.51	46	0.82
FF-050SB-13125	DC 3-10V	DC 2.5V	11500	0.09	9100	0.34	1.12	11.4	1.07	5.39	55	1.3

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



FF–180 SH/PH

Application:

VCR、Electric Shaver、Electric Shaver、Tooth Brush、Hobby Toys。

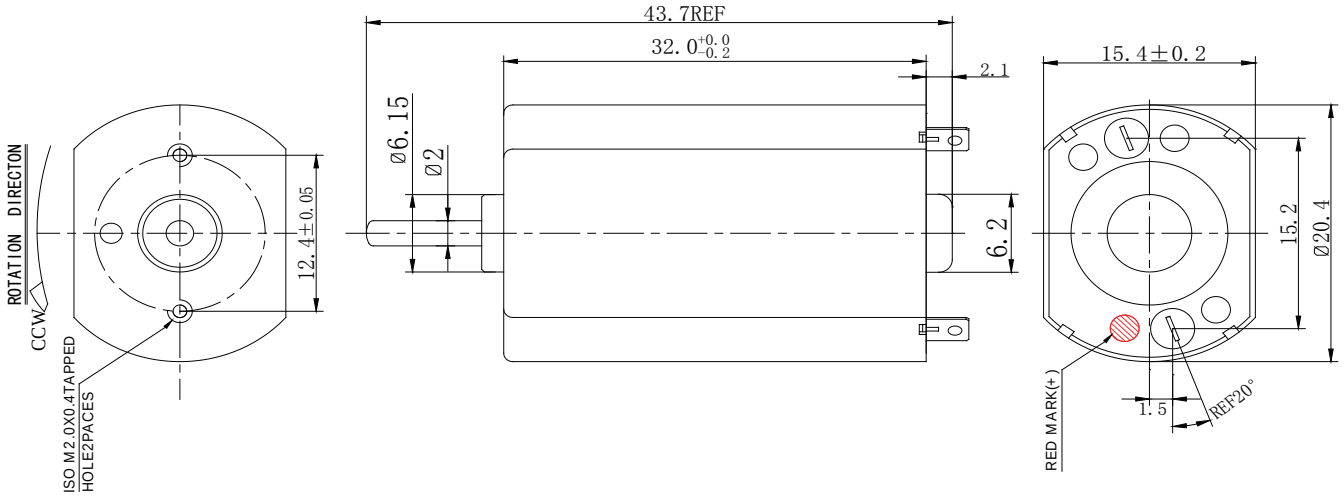


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
FF-180PH-2852	DC 1-3V	DC 2.4V	8100	0·15	6850	0.82	1.82	18.6	1.3	11.8	120	4.5
FF-180PH-4022	DC 1.0-1.5V	DC 1.2V	9400	0·4	7830	1.99	1.76	17.9	1.44	10.5	107	9.9
FF-180SH-10320	DC 6-12V	DC 12V	6500	0.028	5280	0.12	1.51	15.4	0.84	8.04	82	0.52
FF-180SH-2657	DC 1-3V	DC 2.4V	7700	0.13	6500	0.7	1.56	15.9	1.06	10	102	3.8
FF-180SH-14210	DC 3.7-7.2V	DC 4.5V	3700	0.025	3090	0.13	1.02	10.4	0.33	6.17	63	0.63
FF-180SH-4026	DC 1.0-1.5V	DC 1.2V	8300	0.3	6990	1.6	1.64	16.7	1.2	10.4	106	8.55

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



RE–140 RA

Application:

Typical Applications、Motorized Toy、Motorized Plastic Model。

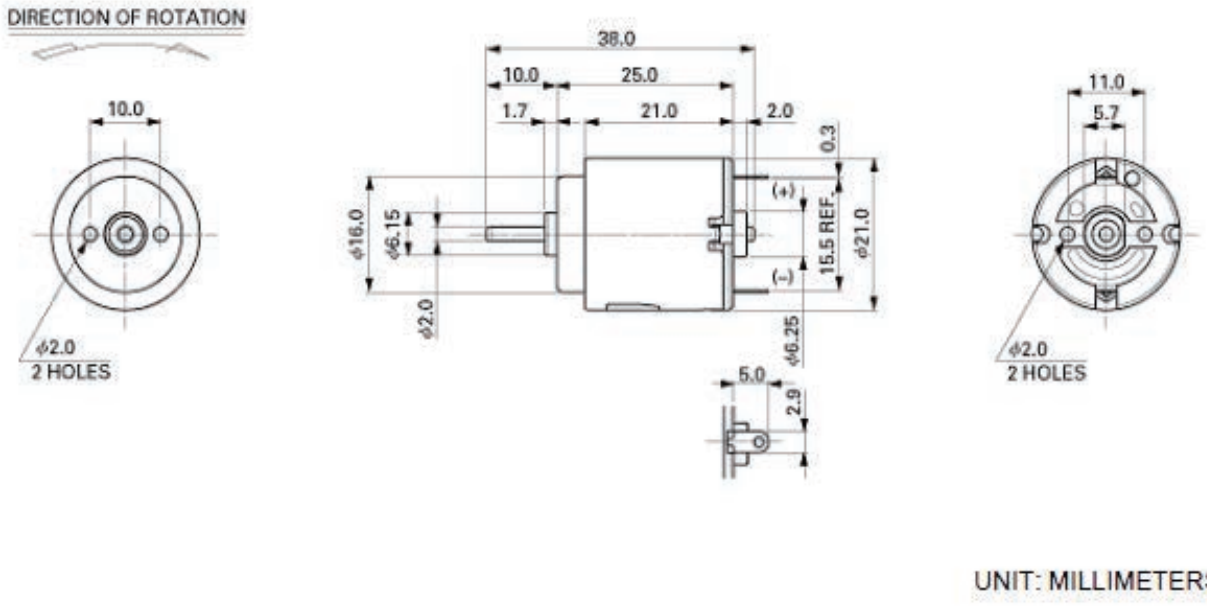


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RE-140RA-2270	DC 1.5-3.0V	DC 1.5V	8100	0.21	6150	0.66	0.66	6.7	0.42	2.74	28	2.1
		DC 3V	14200	0.25	11320	0.98	1.04	10.6	1.24	5.15	53	3.87
RE-140RA-18100	DC 1.5-3.0V	DC 1.5V	5700	0.13	4230	0.37	0.48	4.9	0.21	1.86	19	1.07
		DC 3V	10900	0.16	8520	0.57	0.79	8.1	0.71	3.63	37	2.04
RE-140RA-12240	DC 3.0-6.0V	DC 3V	4800	0.05	3530	0.14	0.44	4.5	0.16	1.67	17	0.39

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



UNIT: MILLIMETERS

RF–300CA

Application:

Typical Applications、Car CD Player/DVD Player、CD/DVD-ROM Drive、USB Fan、Air Freshener。

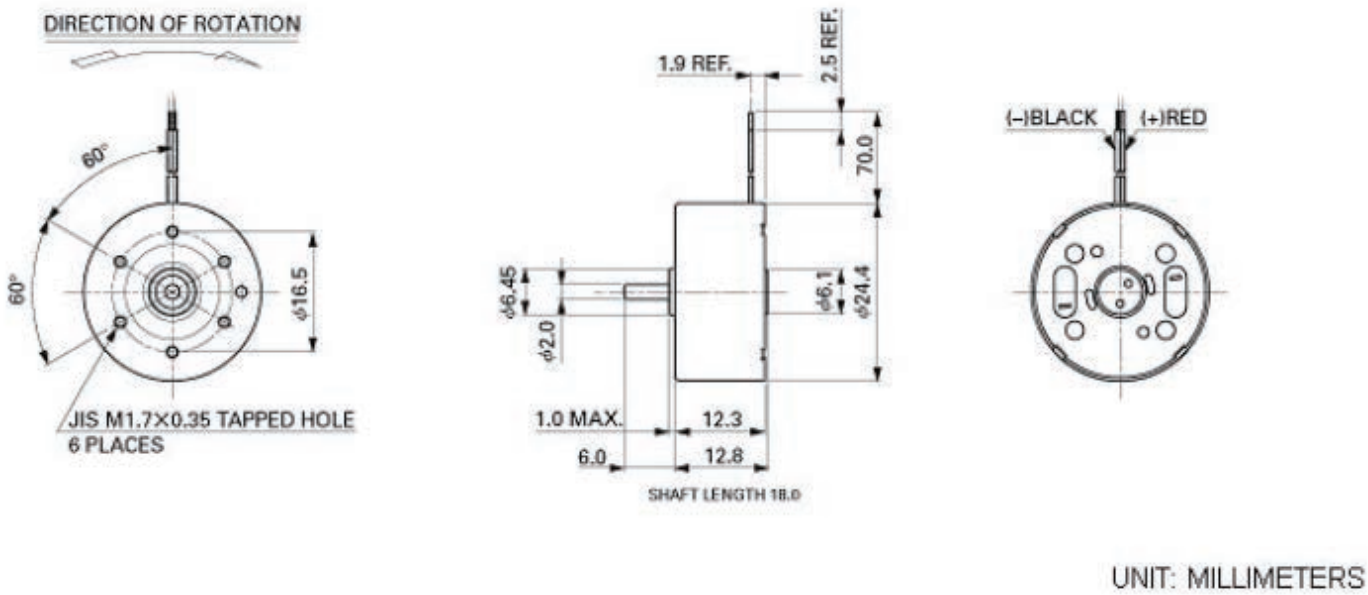


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RF-300CA-11440	DC 0.7-5.0V	DC 2V	2200	0.018	1660	0.055	0.28	2.9	0.049	1.14	12	0.17
RF-300CA-11400	DC 1.2-6.0V	DC 3V	3700	0.018	2970	0.073	0.38	3.8	0.12	1.91	20	0.3
RF-300CA-09550	DC 1-6V	DC 3V	2700	0.012	2100	0.042	0.27	2.8	0.06	1.24	13	0.15
RF-300CA-13300	DC 1-6V	DC 2V	3300	0.025	2700	0.85	3.0	0.29	0.083	17	1.67	0.35
RF-300CA-14270	DC 0.5-4.0V	DC 1.9V	3500	0.032	2740	0.12	0.38	3.9	0.11	0.76	18	0.42

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



UNIT: MILLIMETERS

RF–500TB

Application:

USD Fan、Alarm、USB Fan、Air Freshener。

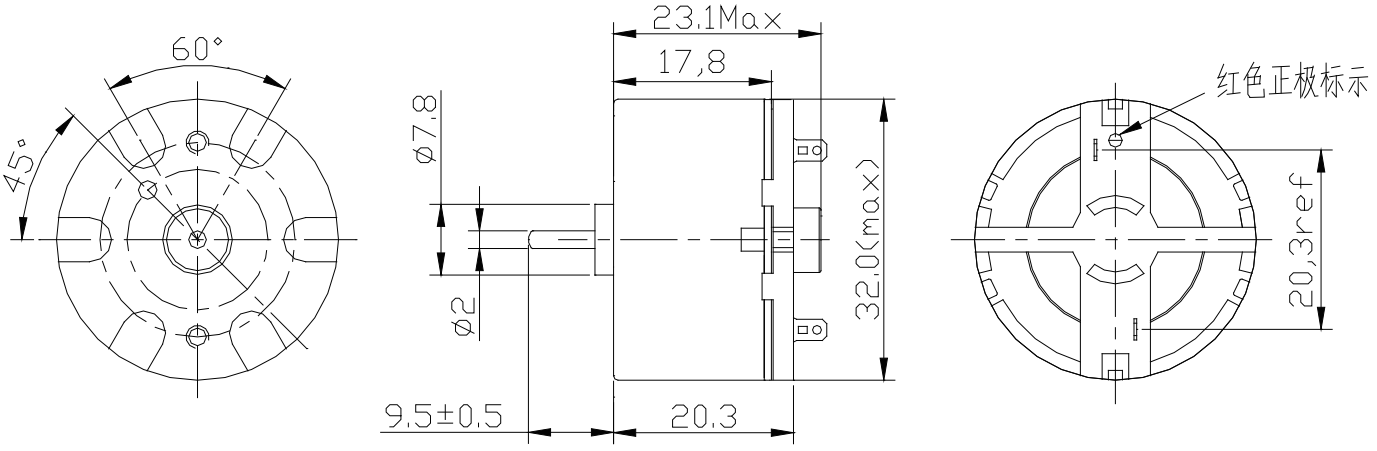


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RF-500TB-12560	DC 1.5-12.0V	DC 6V	2700	0.02	2180	0.084	1.13	11.6	0.26	5.88	60	0.35
		DC 9V	4000	0.023	3300	0.11	1.55	15.8	0.53	8.92	91	0.52
RF-500TB-14415	DC 1.5-9.0V	DC 3V	1800	0.022	1430	0.085	0.82	8.4	0.12	4.02	41	0.33
		DC 6V	3700	0.028	3060	0.13	1.42	14.4	0.45	8.24	84	0.65

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



RF–310TA

Application:

Typical Applications、CD/DVD-ROM Drive、USB Fan、Air Freshener。

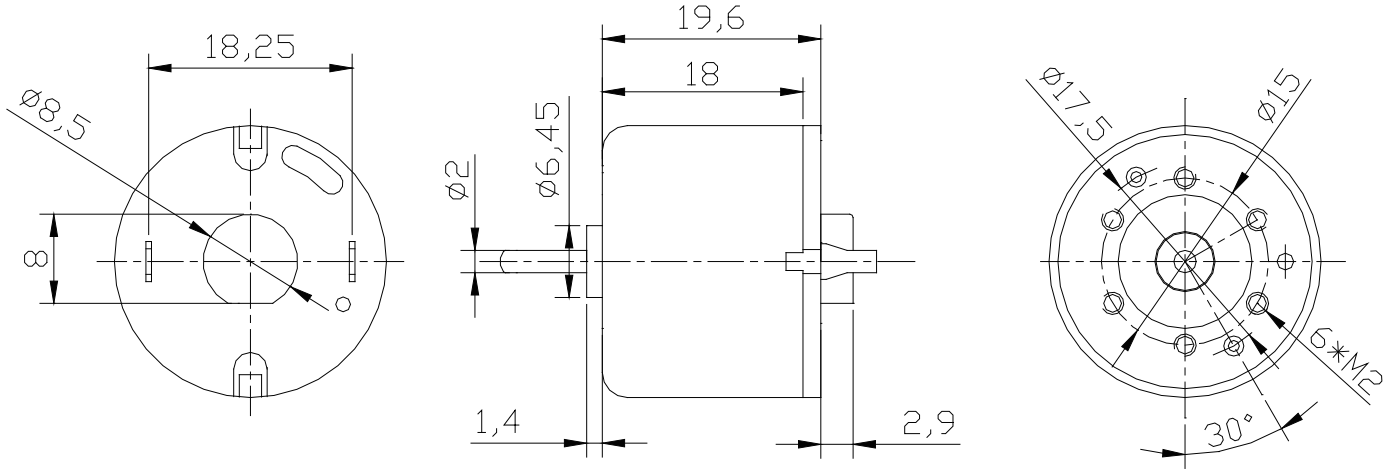


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RF-310TA-11400	DC 1-6V	DC 2.5V	2800	0.017	2190	0.061	0.32	3.3	0.073	1.47	15	0.22
RF-310TA-07730	DC 9.0-15V	DC 12V	3300	0.01	2400	0.03	0.65	6.7	0.165	2.4	24.5	0.083

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



RS–360 RH/SH/SA

Application:

Vending Machine、 Massager/Vibrator、 Printer/Copy Machine、 Screw Driver。



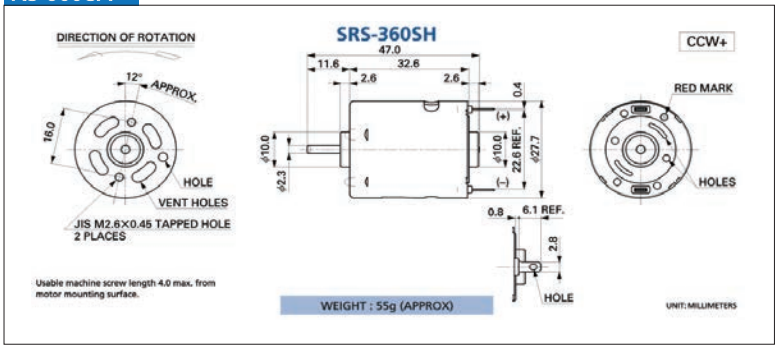
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-360RH-2885	DC 3-8V	DC 6.0V	13700	0.38	11210	1.71	4.64	47.2	5.43	25.5	260	7.7
RS-360RH-10500	DC 12-25V	DC 12V	4500	0.5	3320	0.14	2.15	21.9	0.75	8.24	84	0.4
RS-360RH-14280	DC 8-30V	DC 12V	6300	0.085	5041	0.34	4.2	42.8	2.21	21	214	1.36
RS-360SH-2885	DC 3-9V	DC 7.2V	12500	0.36	10380	1.76	7	71.3	7.59	41.2	420	8.6
RS-360SH-3545	DC 6-12V	DC 9V	27500	0.75	22490	3.48	8.44	86.2	20.3	50.9	520	19
RS-360SA-27105	DC 2-8V	DC 3.6V	5000	0.2	4100	0.8	3.9	40	1.7	23	235	3.8
RS-360SA-10500	DC 12-24V	DC 24V	7000	0.06	5900	0.19	4.4	45	2.72	28	286	0.9

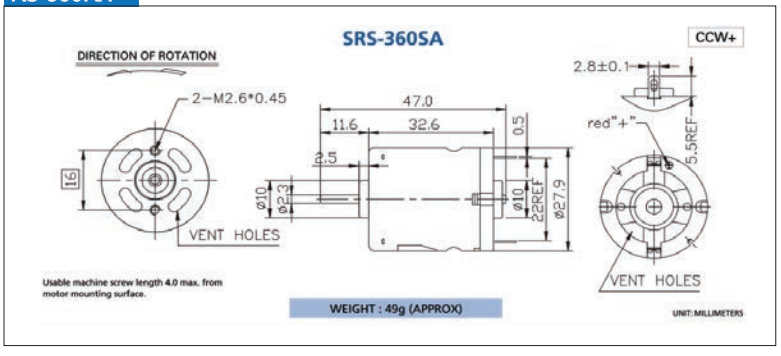
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-360SA



RS-360RH



RS–365 SH/SA/RH

Application:

Household Appliance、 Water pump、 Hair dryer。



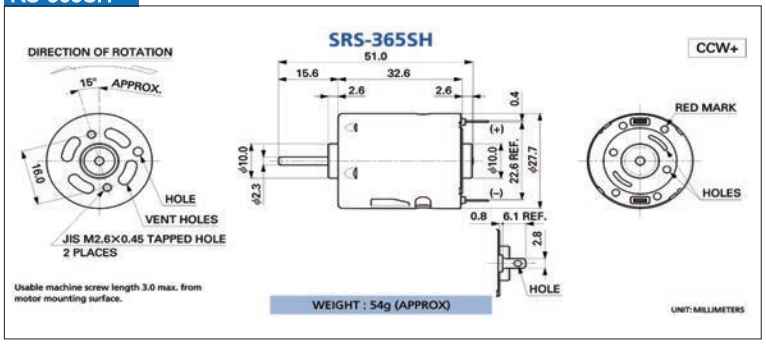
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-365SH-2650	DC 6-24V	DC 18V	19000	0.21	16000	1.13	7.7	78.67	13.42	48.7	497	6.0
RS-365SH-10250	DC 18-30V	DC 24V	8000	0.07	6150	0.22	4.01	41.0	2.6	17.6	180	0.7
RS-365SH-14134	DC 15-30V	DC 24V	13700	0.14	11200	0.06	7.4	75	8.99	408	40	2.6
RS-365SH-12190	DC 6.8-36V	DC 24V	10500	0.08	8400	0.33	5.00	51	4.39	25.5	260	1.3
RS-365RH-2650	3-12V	12V	25500	0.4	20930	1.83	5.36	54.6	11.7	39.9	305	8.4
RS-365SA-12153	DC 12-24V	DC 24V	14500	0.13	11300	0.45	4.50	46	5.3	19.6	200	1.6

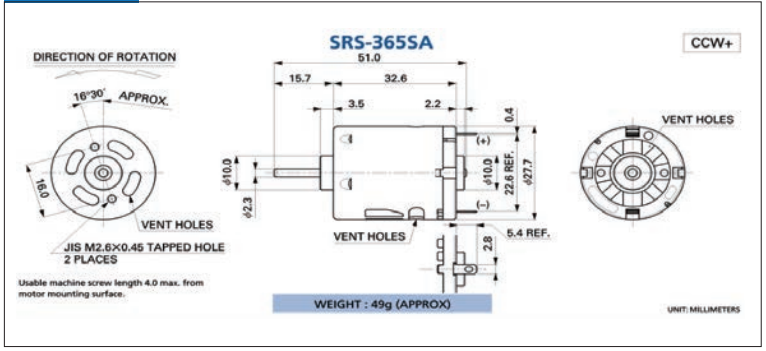
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-365SH



RS-365SA



RF–370CA

Application:

Vending Machine、Blood pressure Meter、Printer。

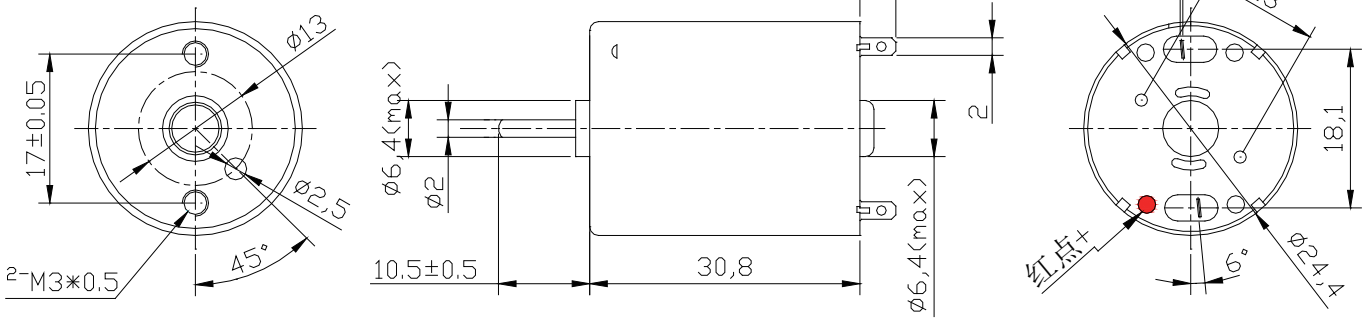


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RF-370CA-15370	DC 3-12.0	DC 12V	5800	0.025	4800	0.17	2.35	24	1.15	18.3	187	1.06
RF-370CA-12560	DC 4-12.0	DC 12V	3700	0.018	3000	0.09	1.98	20	0.62	12.3	125	0.46
RF-370CA-13350	DC 3-12.0	DC 12V	4200	0.025	3600	0.11	1.47	15	0.55	11	112	0.64
		DC 12V	5600	0.03	4900	0.14	1.96	20	1.01	14.7	150	0.85
RF-370CH-11600	DC 18-30V	DC 24V	6500	0.018	5605	0.11	3.23	33.03	1.9	23.5	240	0.7

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



RS–380 SH/SA

Application:

Vacuum Cleaner Kitchen Appliance、Cordless Power Tools: Drill & Screwdriver、Water pump。



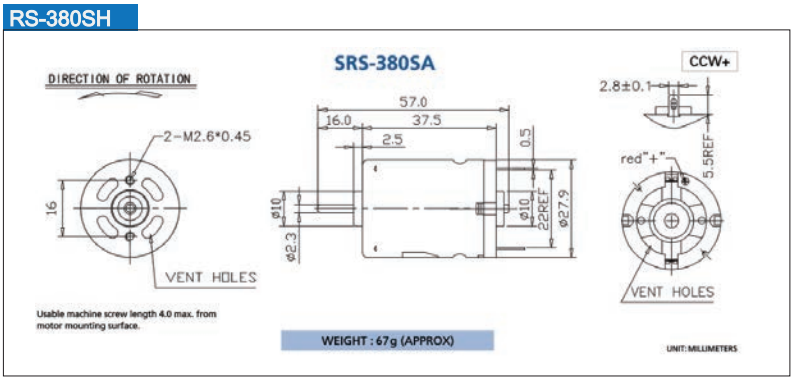
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-380SH-4045	DC 3-9V	DC 7.2V	16200	0.5	14060	3.29	10.9	111	16	82.3	840	21.6
RS-380SH-3557	DC 12-24V	DC 12V	21200	0.44	18367	2.85	11.26	114.9	21.68	84.2	860	18.5
RS-380SH-3750	DC 6-12V	DC 12V	16500	0.45	13966	1.96	8.34	85.2	12.67	68.6	700	14.67
RS-380SH-12300	DC 12-30V	DC 24V	8000	0.07	6540	0.31	6.27	63.9	4.29	34.3	350	1.4
RS-380SA-3270	DC 3-12V	DC 6V	9200	0.26	7800	1.4	7.4	75	6	48.4	493	7.8
RS-380SA-12350	DC 12-28V	DC 24V	7400	0.06	6000	0.27	6.3	64	3.9	33.1	338	1.2

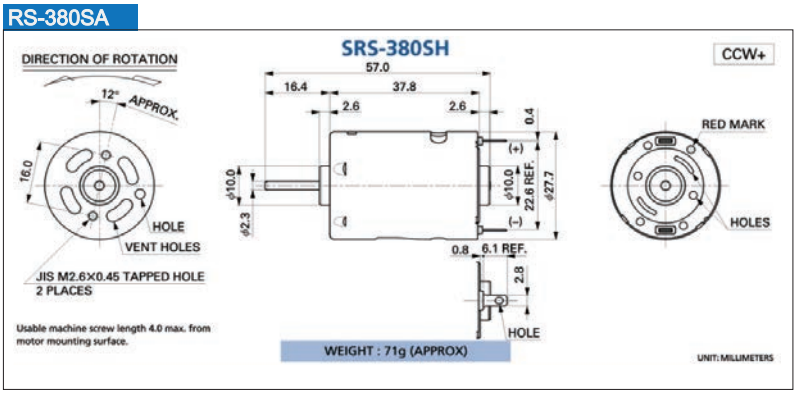
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-380SH



RS-380SA



RS–385 SH/SA

Application:

Hair Dryer、 Water pump、 Vacuum Cleaner。



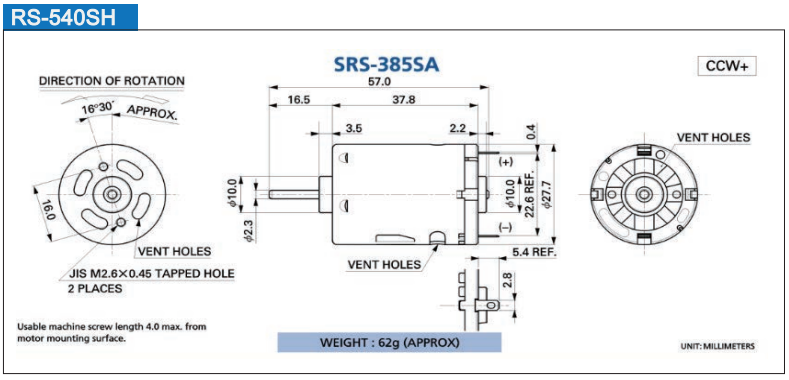
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS385SH-17100	DC 9-18V	DC 12V	7000	0.12	5580	0.436	6.74	68.8	3.94	33.3	340	1.8
RS-385SH-2160	DC 9-18V	DC 12V	10000	0.22	8190	1.00	8.5	86.8	7.31	47.04	480	4.5
RS-385SH-2175	DC 12-24V	DC 24V	20000	0.23	17000	1.38	12.7	130	22.8	87.8	896	8.1
RS-385SA-2546	DC 6-15V	DC 12V	16000	0.34	13800	1.5	9.3	95	13.4	68	693	8.8
RS-385SA-12200	DC 6-12V	DC 12V	3400	0.09	2700	0.21	3.9	40	1.13	20.8	212	0.8

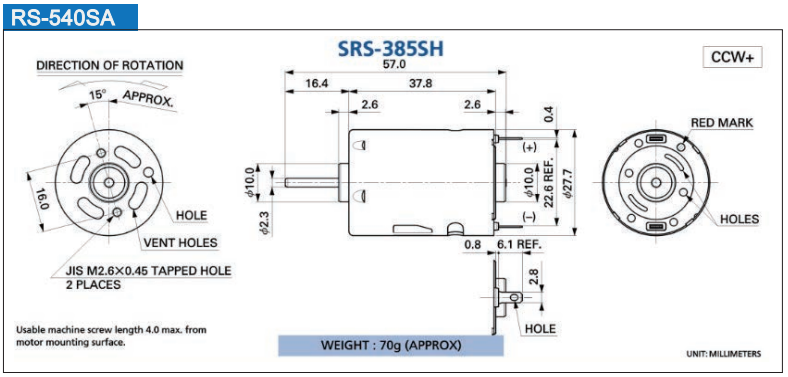
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-540SH



RS-540SA



RS–540 RH/SH/SA

Application:

Vacuum Cleaner、 Air Compressor / Drill & Screwdriver / Cordless Garden Tool、 Radio Control Model、 Massager。



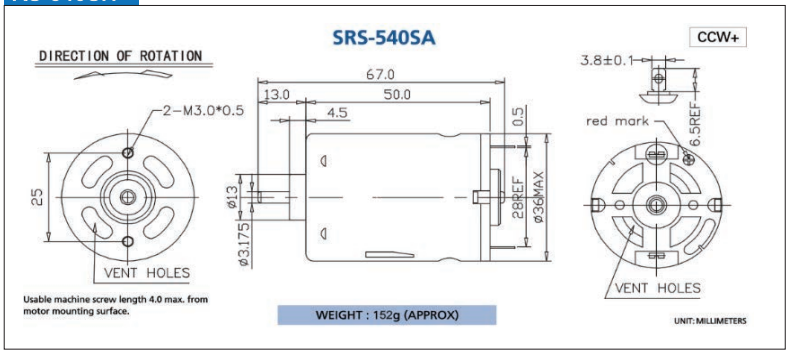
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-540RH-5045	DC 4.5-9.6V	DC 6V	11600	0.82	9660	4.09	14.4	147	14.6	86.3	880	20.4
RS-540RH-6035	DC 3.6-7.2V	DC 7.2V	9500	1.15	7700	4.91	12.3	125	9.88	64.7	660	21
RS-540RH-5045	DC 4.5-12V	DC 12V	17500	0.95	15080	5.93	31.8	324	50.1	230	2350	37
RS-540RH-7520	DC 3.6-7.2V	DC 4.8V	15400	2	13010	10.9	26	265	35.3	167	1700	59
RS-540SH-7522	DC 3-9V	DC 6V	16500	1.7	13860	7.14	20.3	208	29.6	127.4	1300	35.7
RS-540SH-16400	DC 12-32V	DC 24V	3750	0.058	3330	0.47	10.4	106	3.63	92.7	946	3.74
RS-540SA-19250	DC 6-24V	DC 12V	3000	0.1	2100	0.54	19.2	200	26.7	147	1500	36.6

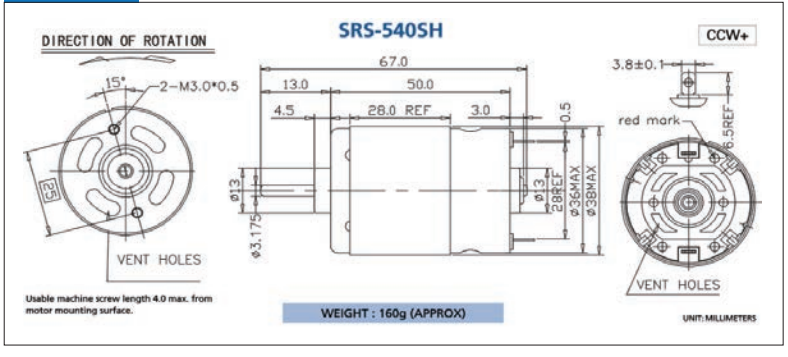
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-540SH



RS-540SA



RS–545 RH/SH/SA

Application:

Vacuum Cleaner、 Air Compressor / Drill & Screwdriver / Cordless Garden Tool、 Radio Control Model、 Massager。



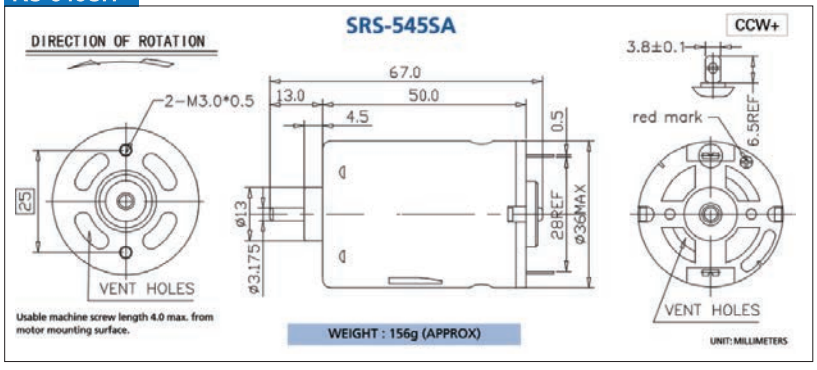
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-545RH-4522	3.6-12.0	DC 12V	27800	1.3	22940	6.14	19.4	198	46.5	111	1130	29
RS-545RH-5018	4.5-12.0	DC 12V	24000	1.3	20510	7.65	31.1	317	66.7	214	2180	45
RS-545RH-18150	12-32	DC 24V	5600	0.12	4560	0.53	16.4	167	7.82	88.2	900	2.3
RS-545RH-22100	12-34	DC 12V	4200	0.16	3350	0.63	12.5	127	4.36	61.7	630	2.5
RS-545SH-4075	DC 9-15V	DC 12V	9300	0.4	7500	1.8	15.3	157	12.1	79.3	810	7.62
RS-545SH-22105	DC 12-32V	DC 24V	6500	0.16	5648	0.72	22	224.6	12.8	136.2	1390	4.8
RS-545SA-2485	DC 9-15V	DC 12V	5100	0.17	3900	0.75	12.7	130	5.2	52.9	540	2.6

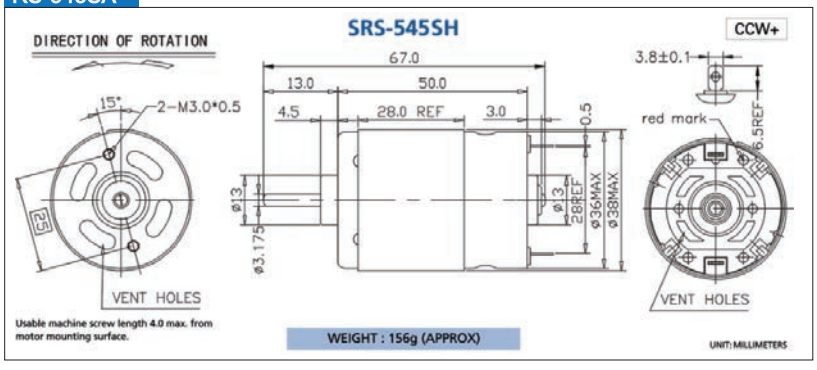
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-545SH



RS-545SA



RS–550 SH/SA

Application:

Air Compressor、 Drill & Screwdriver / Cordless Garden Tool、 Ride-on Toy、 Water pump。



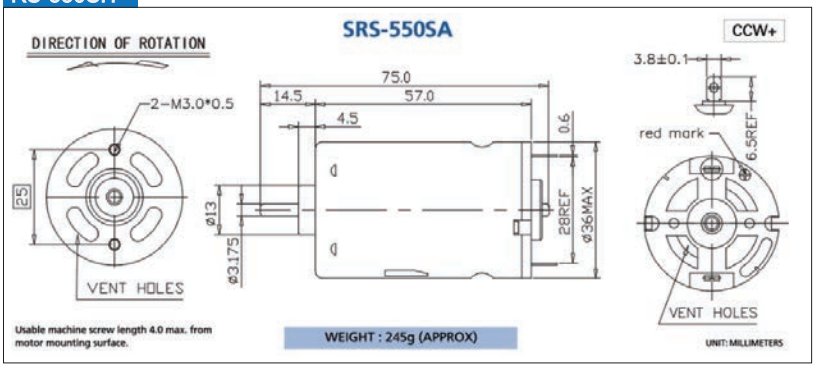
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-550SH-9511	DC 3-6V	DC 4.5V	18000	2.5	15200	15.8	34.3	350	54.6	214	2187	85.7
RS-550SH-15230	DC 12-28V	DC 24V	5200	0.09	4300	0.4	14.7	150	6.6	86.5	882	2.00
RS-550SA-5036	DC 6-15V	DC 12V	16500	1.00	14000	5.2	34.3	350	50.3	226	2310	28.8
RS-550SA-25200	DC 12-24	DC 24V	5800	0.1	5100	0.6	22.0	225	11.8	182.7	1864	4.2
RS-550PC-7524	DC 6-12V	DC 12V	20600	1.35	18180	10.2	49.4	503	93.8	421	4300	76.5

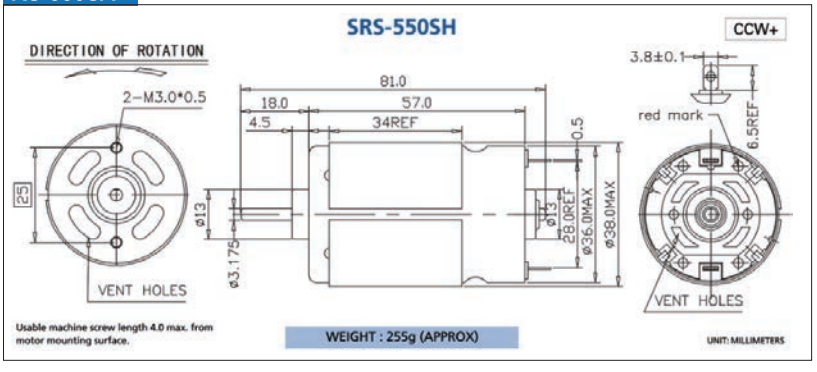
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-550SH



RS-550SA



RS–555 SH/SA

Application:

Vacuum Cleaner、 Air Compressor / Drill & Screwdriver / Cordless Garden Tool、 Radio Control Model、 Massager。



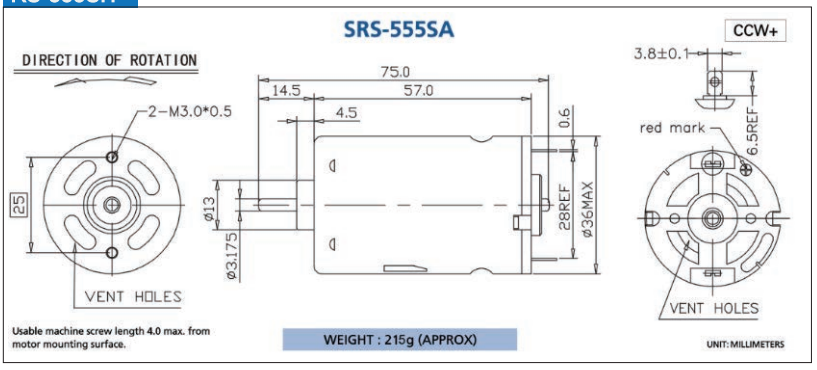
Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS555-SH-4033	DC 6-18V	DC 12V	8000	0.35	6980	1.79	22.5	230.5	16.6	181.3	1850	14.9
RS-555SH-2770	DC 18-30V	DC 24V	9100	0.18	7700	1.22	27.9	285	22.7	195.6	1995	7.5
RS-555SH-5022	DC 6-12V	DC 6V	7000	0.68	6000	3.7	29.4	300	18.2	196	2000	20.9
RS-555SA-4525	DC 3-9V	DC 6V	6000	0.4	5000	2.3	21.6	220	11.5	143.7	1466	13
RS-555SA-2755	DC 6-18V	DC 12V	5300	0.17	4400	1.2	19.2	200	9.3	130.7	1333	7.1
RS-555SA-3348	DC 18-30V	DC 24V	11400	0.25	10100	1.67	30.4	310.9	32.71	306.4	3130	17.32

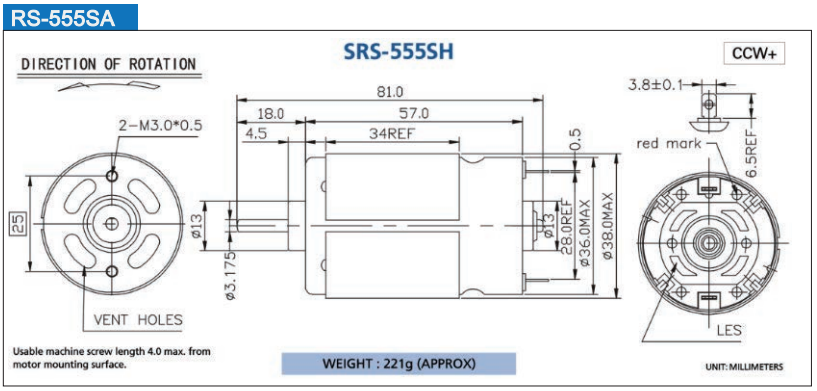
*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions

RS-555SH



RS-555SA



RS–755SH

Application:

Cordless power tools: Drill& Screwdriver.

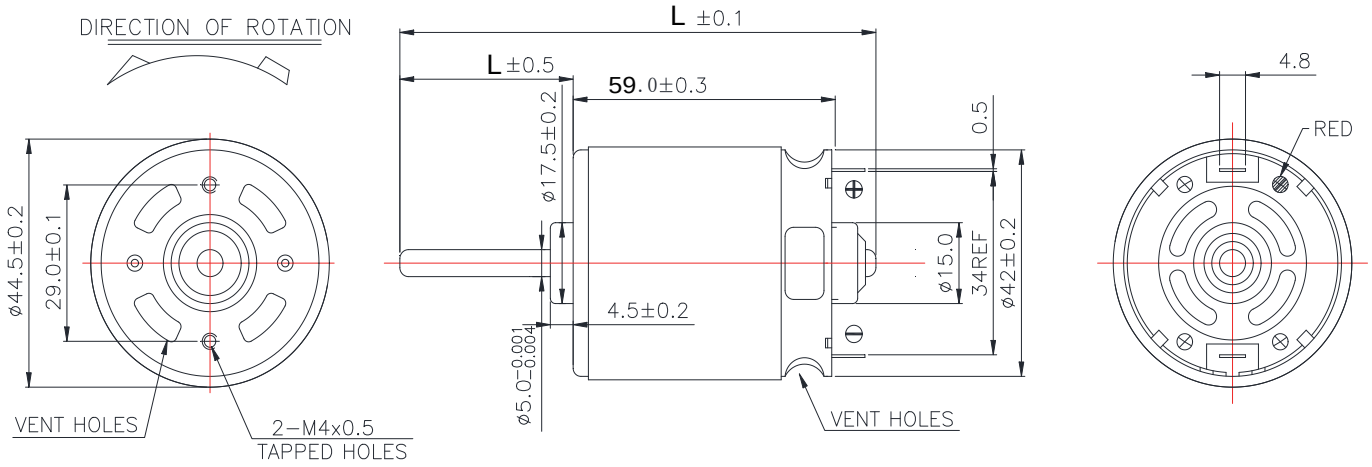


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-755SH-5027	DC 6-12V	DC 12V	10000	1.4	8400	4.87	45.68	466	40.56	319.4	3258	29.26
RS-755SH-3262	DC 12-24V	DC 24V	8900	0.45	7400	2.11	43.3	442	33.93	301.8	3079	12.22
RS-755SH-2997	DC 12-24V	DC 24V	4900	0.26	4140	1.42	54.4	556	23.65	352.8	3600	7.8
RS-755SH-8512	DC 6-9.6V	DC 9.6V	16700	2.8	14000	19.81	98.2	1002	144.1	635.2	6480	112.6
RS-755SH-19175	DC 12-38V	DC 9.6V	4800	0.18	3900	0.61	33.6	343	13.83	183.3	1870	2.71

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



RS–775SH

Application:

Printer、 Power tools.

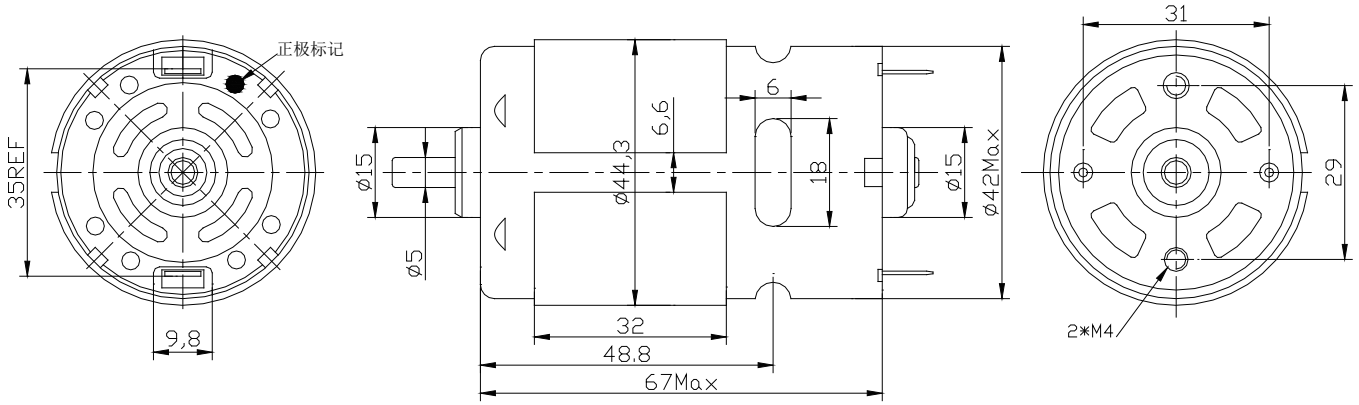


Electrical Specification

Model	Voltage		No Load		At Maximum Efficiency					Stall		
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
			r/min	A	r/min	A	mN·m	g·cm	w	mN·m	g·cm	A
RS-775SH-8013	DC 6-12V	DC 12V	22000	3.0	18760	15.75	100.7	1028	198	837.2	8540	110.3
RS-775SH-5520	DC 12-24V	DC 24V	21000	1.7	18410	10.72	94.3	962	181.9	705.8	7200	68.1
RS-775SH-9008	DC 7.2-12V	DC 7.2V	14600	3.2	12310	20.05	80	816	103.2	508.8	5190	108.7
RS-775SH-9009	DC 12-24V	DC 12V	21000	2.8	18050	21.07	102.5	1046	193.9	806.3	8225	143.7

*Note:It's only typical technicai data for reference, Special requirement can be customized.

Mechanical Dimensions



LS-ZY31

Material: NdFeB

Insulation class: B 130℃ /F 155℃

Temperature rise: 75 K MAX

Bearing: Ball bearing

Ambient temperature andhumidity: +15℃~+35℃, 45%~75%

IP Protection : IP40

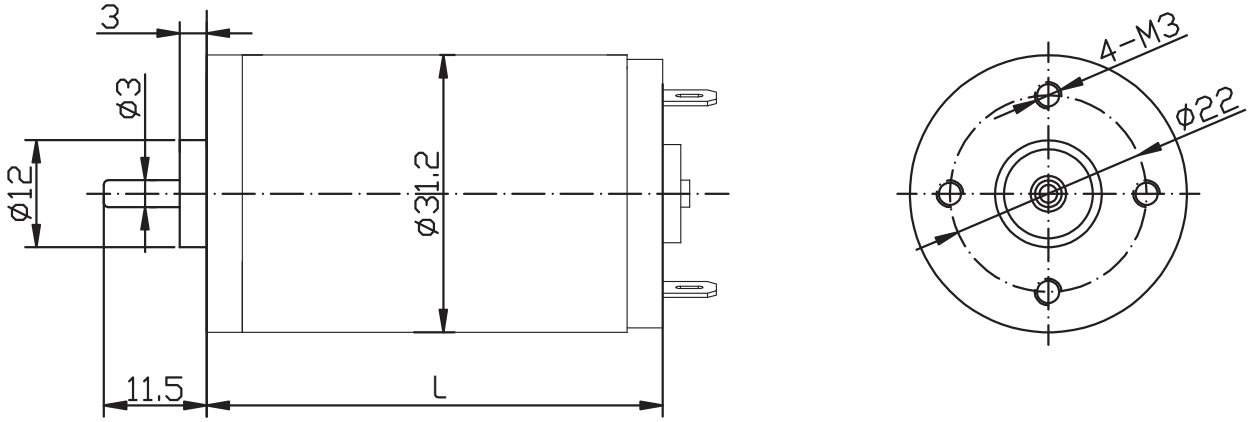


Electrical Specifications

Motor name	Rated Volt.v	No load		Load torque				Stall torque	
		Current	Speed	Currerrt	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf. cm	w	gf. cm	mA
ZY31123000	12	≤100	3000	≤400	2200	90	2	360	1600
ZY31124500	12	≤150	4500	≤700	3300	130	4. 3	520	2700
ZY31126000	12	≤220	6000	≤1200	4500	180	8	720	5000
ZY31243000	24	≤60	3000	≤200	2200	90	2	360	800
ZY31244500	24	≤90	4500	≤350	3300	130	4. 3	520	1300
ZY31246000	24	≤130	6000	≤650	4500	180	8	720	2600

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions



LS-ZY38

Material: NdFeB

Insulation class: B 130℃ /F 155℃

Temperature rise: 75 K MAX

Bearing: Ball bearing

Ambient temperature andhumidity: +15℃~+35℃, 45%~75%

IP Protection : IP40

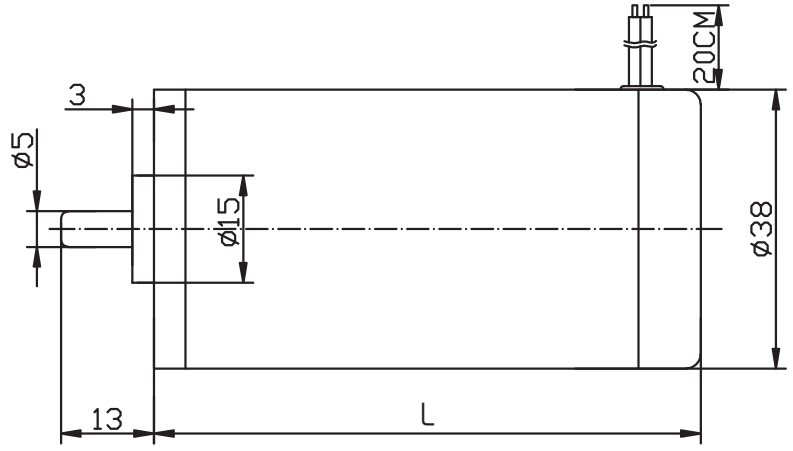


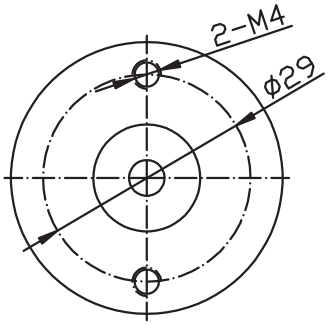
Electrical Specifications

Motor name	Rated Volt.v	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf. cm	w	gf. cm	A
ZY38123000	12	≤120	3000	≤750	2200	220	4. 8	900	2. 8
ZY38124500	12	≤190	4500	≤1500	3300	300	9.9	1200	6
ZY38126000	12	≤250	6000	≤3000	4500	400	18	1600	10
ZY38243000	24	≤80	3000	≤400	2200	220	4. 8	900	1.5
ZY38244500	24	≤120	4500	≤800	3300	300	9. 9	1200	3
ZY38246000	24	≤160	6000	≤1500	4500	400	18	1600	5.5

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions





LS-ZY45

Material: NdFeB

Insulation class: B 130℃ /F 155℃

Temperature rise: 75 K MAX

Bearing: Ball bearing

Ambient temperature andhumidity: +15℃~+35℃, 45%~75%

IP Protection : IP40

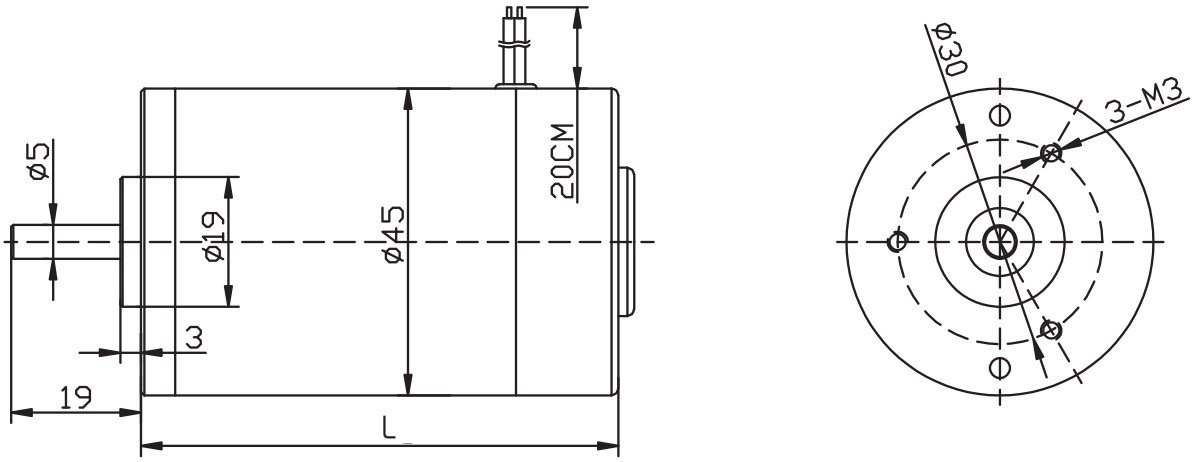


Electrical Specifications

Motor name	Rated Volt.v	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf. cm	W	gf. cm	A
ZY45123000	12	≤250	3000	≤1700	2200	550	12	2200	6. 5
ZY45124500	12	≤400	4500	≤3600	3300	800	26. 4	3200	12. 5
ZY45126000	12	≤700	6000	≤6900	4500	1100	49. 5	4400	25
ZY45243000	24	≤180	3000	≤850	2200	500	12	2200	3. 5
ZY45244500	24	≤280	4500	≤1800	3300	800	26. 4	3200	6. 3
ZY45246000	24	≤350	6000	≤3500	4500	1100	49. 5	4400	13

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions



LS-ZY53

Material: NdFeB

Insulation class: B 130℃ /F 155℃

Temperature rise: 75 K MAX

Bearing: Ball bearing

Ambient temperature andhumidity: +15℃~+35℃, 45%~75%

IP Protection : IP40

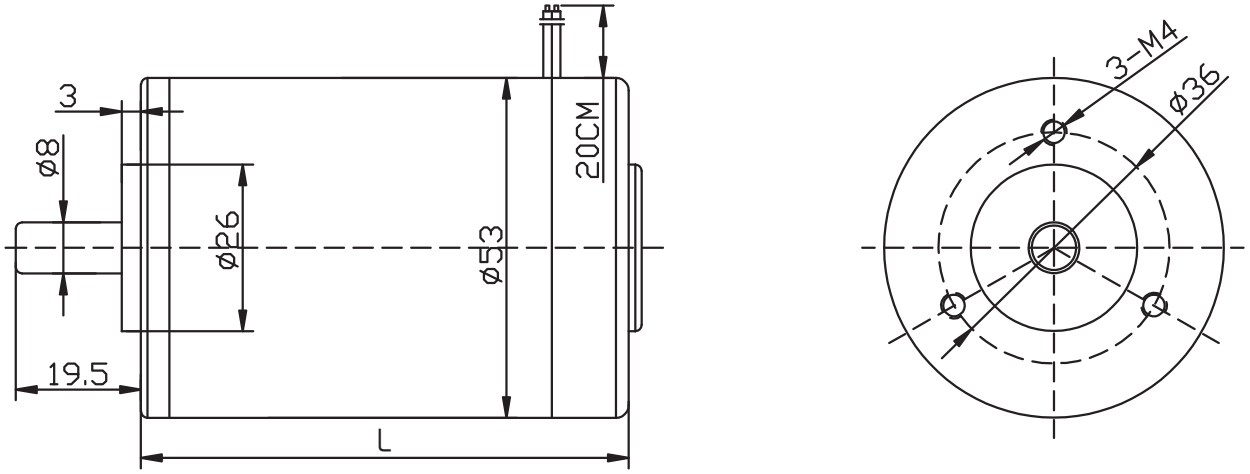


Electrical Specifications

Motor name	Rated Volt.v	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/m in	mA	r/m in	gf. cm	w	gf. cm	A
ZY53123000	12	≤350	3000	≤2800	2200	800	20	3200	9. 1
ZY53124500	12	≤450	4500	≤3600	3300	900	25	3600	11.7
ZY53126000	12	≤550	6000	≤4400	4500	1000	30	4000	14. 3
ZY53243000	24	≤200	3000	≤1200	2200	800	20	3200	5. 2
ZY53244500	24	≤300	4500	≤1800	3300	900	25	3600	7. 8
ZY53246000	24	≤400	6000	≤2400	4500	1000	30	4000	10. 4

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions



LS-ZY64

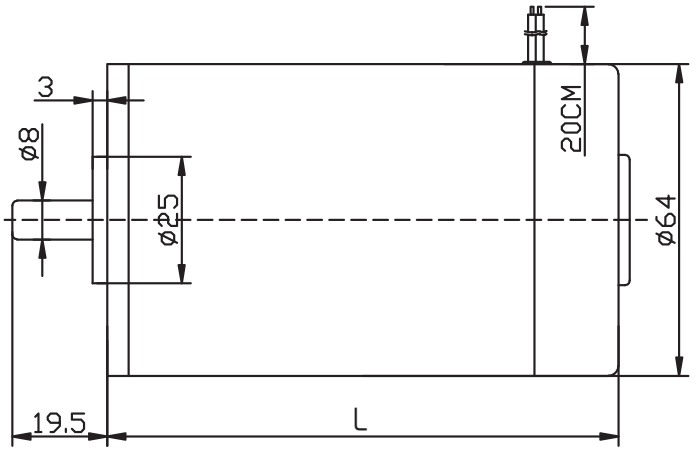


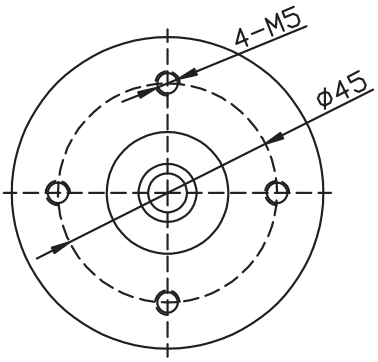
Electrical Specifications

Motor name	Rated Volt.v	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf. cm	w	gf. cm	A
ZY64123000	12	≤500	3000	≤4000	2200	1200	30	4800	17. 2
ZY64124500	12	≤600	4500	≤4800	3300	1300	35	5200	20. 6
ZY64126000	12	≤700	6000	≤5600	4500	1400	40	5600	24
ZY64243000	24	≤300	3000	≤2400	2200	1200	30	4800	10. 7
ZY64244500	24	≤400	4500	≤3200	3300	1300	35	5200	13. 7
ZY64246000	24	≤500	6000	≤4000	4500	1400	40	5600	17. 2

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions





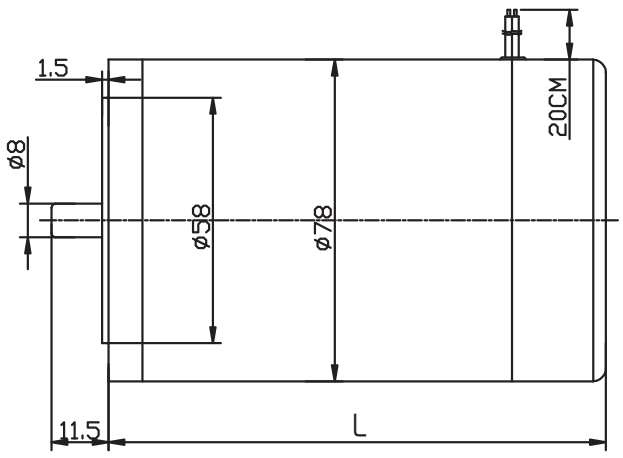
LS-ZY78

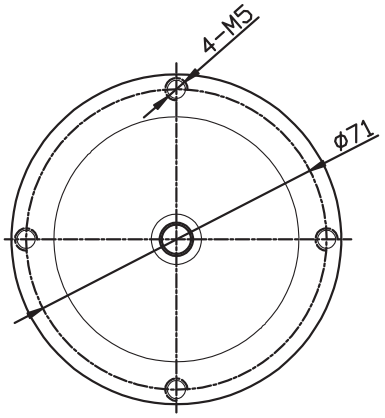


Electrical Specifications

Motor name	Rated Vo lt.v	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf. cm	w	kgf.cm	A
ZY78123000	12	≤1200	3000	≤7200	2200	3500	100	14. 0	30. 9
ZY78124500	12	≤1300	4500	≤7800	3300	3800	110	15. 2	33. 5
ZY78126000	12	≤1400	6000	≤8400	4500	4000	120	16. 0	36. 1
ZY78243000	24	≤800	3000	≤4800	2200	3500	100	14. 0	20. 6
ZY78244500	24	≤900	4500	≤5400	3300	3800	110	15. 2	23. 2
ZY78246000	24	≤1000	6000	≤6000	4500	4000	120	16. 0	25. 8
*Note:Its only typical technical data,special requirement can be customzied.									

Mechanical Dimensions





LS-ZY80

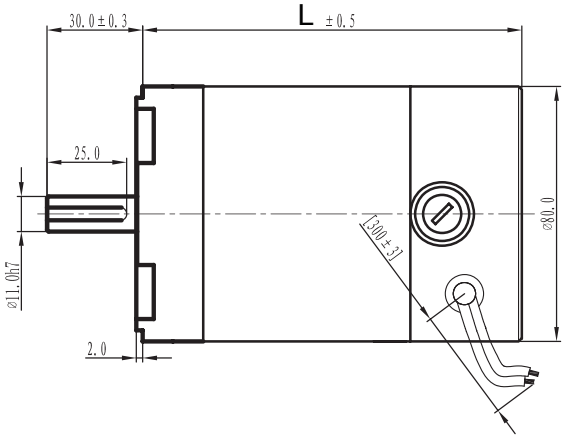


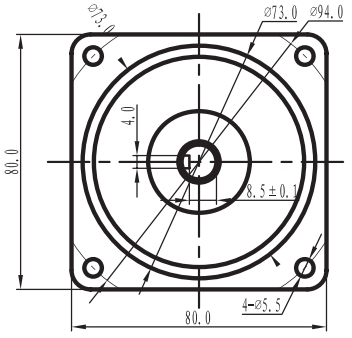
Electrical Specifications

Model	Voltage (V)	Output Power (w)	No-load Parameters		Load Parameters			Brush Life (H)	Motor Weight (KG)
			Speed (r/min)	Current (A)	Speed (r/min)	Current (A)	Torque (N.m)		
ZY80FA-24-1800	24	70	1800	0.4Max	1500	4.2	0.45	2000	1.87
ZY80FA-24-3000	24	100	3000	0.7Max	2500	6	0.4	2000	1.87
ZY80FA-12-1800	12	80	1800	0.8Max	1500	9.0	0.47	2000	1.87
ZY80FA-12-3000	12	90	3000	1.4Max	2500	11	0.35	2000	1.87
ZY80FB-24-1800	24	90	1800	0.4Max	1500	4.9	0.58	2000	2.26
ZY80FB-24-3000	24	200	3000	0.8Max	2500	11.5	0.8	2000	2.26
ZY80FB-12-1800	12	95	2000	0.9Max	1500	11.5	0.62	2000	2.26
ZY80FB-12-3000	12	110	3000	1.5Max	2500	12.8	0.45	2000	2.26
ZY80FC-24-1800	24	150	1800	0.55Max	1500	8.7	1.0	2000	2.82
ZY80FC-24-3000	24	400	3000	1. 0Max	2500	23.8	1.58	2000	2.82
ZY80FC-12-1800	12	100	1800	1. 0Max	1500	11	0.65	2000	2.82
ZY80FC-12-3000	12	300	3000	2. 0Max	2500	37	1.22	2000	2.82

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions





LS-ZY90

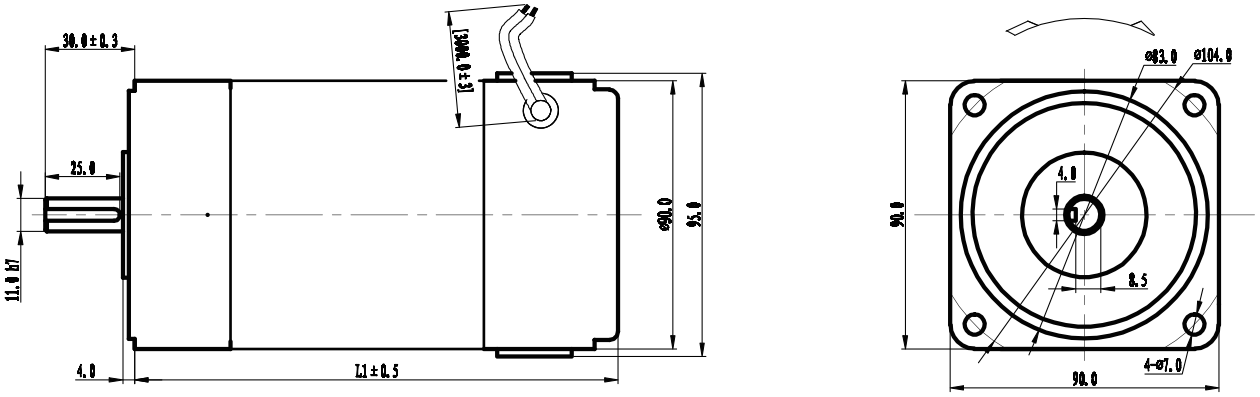


Electrical Specifications

Model No.	Voltage (V)	Output Power (W)	No-load Parameters		Load Parameters			Brush Life (H)	Motor Weight(KG)
			Speed (r/min)	Current (A)	Speed (r/min)	Current (A)	Torque (N.m)		
90ZYFA-24-1800	24	150	1800	0.5max	1500	8.5	0.97	2000	3.14
90ZYFA-24-3000	24	350	3000	1.2max	2500	22	1.4	2000	3.14
90ZYFA-12-1800	12	150	1800	1.2max	1500	20	1.2	2000	3.14
90ZYFA-12-3000	12	300	3000	1.8max	2500	35	1.2	2000	3.14
90ZYFB-24-1800	24	200	1800	0.55max	1500	10.5	1.25	2000	4.2
90ZYFB-24-3000	24	550	3000	1.0max	2600	30	2.0	2000	4.2
90ZYFB-12-1800	12	200	2000	1.2max	1500	23	1.25	2000	4.2

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions



LS-ZY114

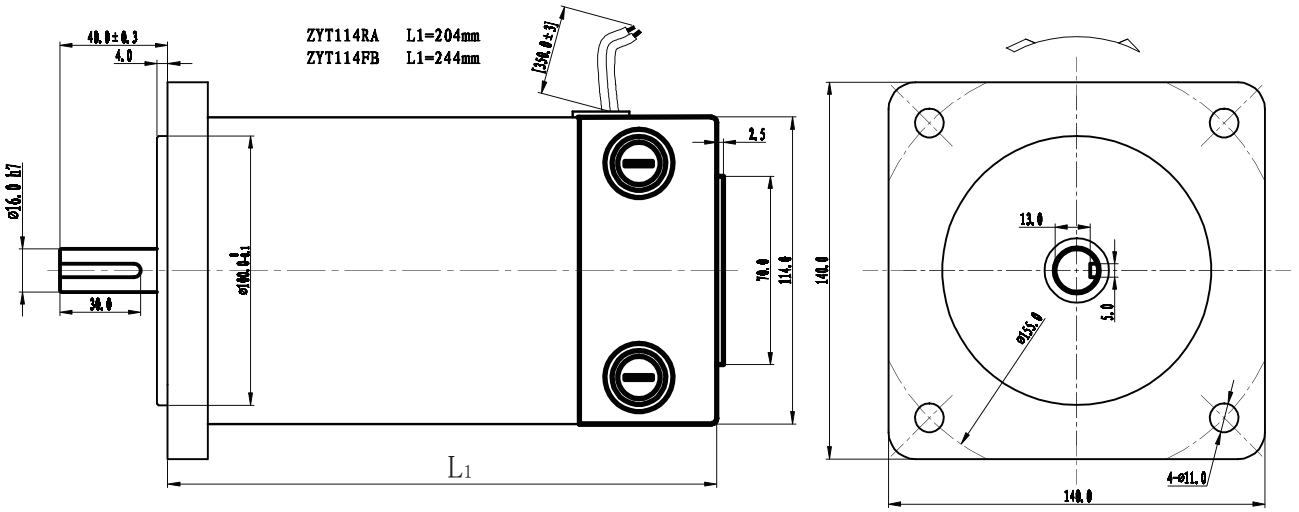


Electrical Specifications

Model No.	Voltage (V)	Output Power (W)	No-load Parameters		Load Parameters			Brush Life (H)	Motor Weight (KG)
			Speed (r/min)	Current (A)	Speed (r/min)	Current (A)	Torque (N.m)		
ZYT114FA-24-1800	24	500	1800	1.5Max	1500	40	3.7	2000	6.82
ZY114FA-24-3000	24	700	3000	1.85Max	2500	60	17	2000	6.82
ZY114FA-48-1800	48	450	1800	0.9Max	1500	14	3.86	2000	6.82
ZY114FA-110-1800	110	600	1800	0.45Max	1500	10	3.5	2000	6.82
ZY114FA-12-1800	12	400	1800	1.80Max	1500	53	2.4	2000	8.2
ZY114FA-220-3000	220	700	3000	0.25Max	2500	4.5	3.8	2100	8.2
ZY114FB-24-1800	24	500	1500	2.1Max	1500	30	3.2	2000	8.2
ZY114FB-12-1800	12	500	1500	4.2Max	2500	60	3.2	2000	8.2

*Note:Its only typical technical data,special requirement can be customzied.

Mechanical Dimensions



Product Parameter Questionnaire

Company name						
Contact	Address					
	Your name					
	Dept.					
	Position					
	Tel.					
	Fax					
	E-mail					
	Website					
Motor Designation			_		_	(Ex: RS-360PA-12390)
Application						(Ex:Air pump)
Projected quantity		pcs/year		pcs/month		
Size of motor	Flat type	Diameter(φ)	height	length		mm
	Round type	Diameter(φ)	length			mm
Input voltage			☐ AC	☐ DC		
Direction of rotation(viewing from output shaft)		☐ 顺时针CW ☐ 逆时针CCW ☐ 双向Bi-directional				
Speed	At no load		RPM			
	At rated load		RPM			
Current	At no load		A			
	At rated load		A			
	At stall		A			
Torque	At rated load		mN.m		g.cm	
	At stall		mN.m		g.cm	
Life requirement	Continuous	Hours				
	Periodical	second on	second off	cycles		
	Total required running time	Hours				
Other requirements						



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