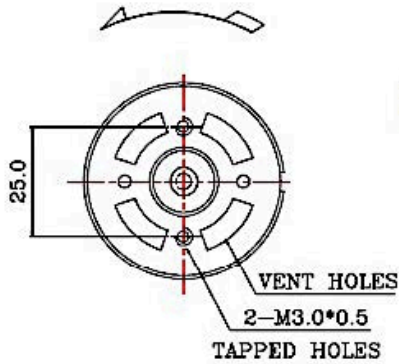


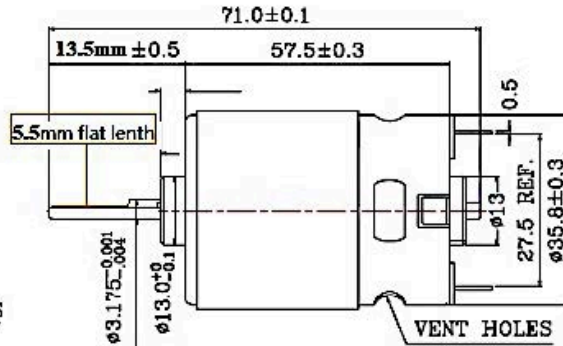
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## DIRECTION OF ROTATION



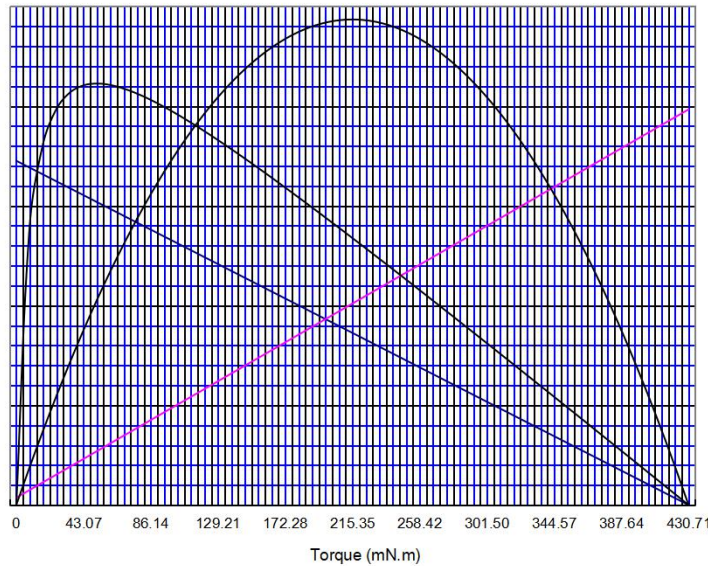
The diagram shows the D-shaped shaft. The Model with the round shaft is identical otherwise.



Model Number RS-550S-18V  
Lot Code:

Voltage 18 VDC CW  
Date:

240	100	60	30000
192	80	48	24000
144	60	36	18000
96	40	24	12000
48	20	12	6000
0	0	0	0
Power (W)	Eff. (%)	Current (A)	Speed (RPM)



No Load	Speed	20715 RPM
	Current	0.88 A
Stall	Torque	430.708 mN.m
	Current	47.6132 A
Maximum Efficiency	Efficiency	84.537 %
	Torque	51.55 mN.m
	Speed	18236 RPM
	Current	6.47 A
	Power	98.5 W
Maximum Output Power	Power	53.55 %
	Torque	215.354 mN.m
	Speed	10357.5 RPM
	Current	24.2466 A
	Power	233.725 W

The curve in the front part of maximum power is defined by actual test data, and in the rest part is defined by calculation

Vn=(V)	18	n0=(RPM)	20715	I0=(A)	0.88
TN=(mN.m)	29.4	In=(A)	4.07	nN=(RPM)	19301

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## MOTOR TEST RECORD

Model Number		RS-550S-18V										Temperature 20°C		Humidity 60 %	
Serial Number	Appearance Inspection			No Load/ Idle		Load 300g.cm			Rated Voltage		18V	Average Sample Number		10PCS	
	Appearance	Output Shaft Length	Axial Clearance	Current	Speed	Current	Speed	Stall Current	Starting Votage	Stall Torque	Rotation Direction	Insulation Resistance	Wave Form	Sound	
	No rust/ deformation	mm	mm	A	rpm	A	rpm	A	V	g.cm	CCW	AC100V 10M	Normal	Normal	
1	OK	13.4	0.3	0.88	20715	4.07	19301	47.6	3V	430.7	CCW	OK	OK	OK	
2	OK	13.5	0.2	0.89	20791	4.05	19248				CCW	OK	OK	OK	
3	OK	13.4	0.3	0.82	20682	3.96	19271				CCW	OK	OK	OK	
4	OK	13.3	0.2	0.8	20791	4	19334				CCW	OK	OK	OK	
5	OK	13.4	0.3	0.83	20847	4.05	19154				CCW	OK	OK	OK	
6	OK	13.3	0.3	0.96	20636	3.97	19314				CCW	OK	OK	OK	
7	OK	13.3	0.2	0.83	20778	3.96	19364				CCW	OK	OK	OK	
8	OK	13.5	0.1	0.87	20712	3.95	19324				CCW	OK	OK	OK	
9	OK	13.4	0.2	0.93	20745	4	19228				CCW	OK	OK	OK	
10	OK	13.4	0.3	1.02	20914	4.4	19304				CCW	OK	OK	OK	
MAX															
MLN															
AVG															
OK/NG	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	
Status Report: <span style="margin-left: 200px;">Qualified <input type="checkbox"/></span> <span style="margin-left: 200px;">Unqualified <input type="checkbox"/></span>															
Notes:										Confirmation	Verification	Inspection			