



Unternehmensprofil

KWC Machinery (Dongguan) wurde 2005 gegründet und ist auf Mikromotoren und Antriebsmodule spezialisiert. Hauptsitz ist Dongguan, China.
2025 entstand die Taiwan-Niederlassung fuer APAC-Service und Vertrieb.

Seit 20 Jahren in der Branche, mit ueber 220 Mitarbeitenden, darunter 15 F&E-/Technikfachkraefte und 18 Qualitaetsfachkraefte. KWC bietet stabile Serienfertigung und eigene Entwicklungskompetenz.

Zertifiziert nach IATF 16949:2016 und ISO 14001.

Design, Musterbau und Serienlieferung folgen standardisierten Prozessen.

Wir liefern globale, effiziente und kundenspezifische Antriebsloesungen.



Produktgruppen und Anwendungen

KWC-Produkte werden in Automotive, Hausgeraeten, Werkzeugen, Smart Devices, Medizin und Energiesparluefern eingesetzt. Hauptbereiche:

- Mikromotoren:
 - DC-Motoren, BLDC-Motoren, AC-Induktionsmotoren, Automotive-Motoren
- Getriebe- und Antriebsmodule:
 - Planetengetriebe, Schneckengetriebe-Module, integrierte Metall-/Kunststoffgetriebe
- Motorzubehoer und Steuereinheiten:
 - Triebler, Steuerplatinen, Encoder, Hallsensoren, Motordeckel, Halterungen, Steckverbinder usw.
 - ODM/OEM, kundenspezifisches Motordesign und Systemintegration ermoeglichen schnelle Markteinfuehrung.

F&E- und Fertigungskompetenz

Eigenes F&E-Team fuer Rotor-Design, Wicklung und Konstruktion bis zur Endpruefung ab und optimiert elektrische und mechanische Anforderungen nach Kundenbedarf.

Kernkapazitaeten und Anlagen:

- Automatische und halbautomatische Wickel- und Montagelinien
- Bearbeitung und Montage von Getriebemodulen
- Produktionslinien fuer Induktionsmotoren
- Spritzguss
 - (Beteiligung an Qingxi Yunsheng Electric fuer Kunststoffteile)
- Stanzteile, Werkzeugentwicklung und Kleinserienmuster
- Montage von Encodern und Steuerplatinen

One-Stop-Fertigung vom Motor bis zum Zubehoer.

Qualitaetssicherungssystem

KWC stellt Qualitaet und Stabilitaet an erste Stelle und betreibt ein durchgaengiges Qualitaetskontrollsystem mit:

- Wareneingangspruefung (IQC)
- Prozessqualitaetskontrolle (IPQC)
- Endpruefung (FQC) und Ausgangspruefung (OQC)
- Lebensdauer- sowie Hoch-/Tieftemperaturtests
- Balance, Geraeusch, Startspannung, Lastleistung und weitere Kennwerte
 - als 100%- oder Stichprobenpruefung

Alle Prozesse folgen TS16949 mit ERP- und Dokumenten-

Rueckverfolgung fuer kontrollierte Chargen und konstante Qualitaet.

Unser Versprechen

Qualitaet, Effizienz, Flexibilitaet und Integritaet sind die Basis langfristiger Partnerschaft. KWC staerkt Innovation und waechst mit Kunden, um jeden Fortschritt bei Mikromotor-Antrieben voranzubringen.

- Integritaet in der Zusammenarbeit. Lean Manufacturing. Innovation antreiben -

Historie

2005

Gruendung von KWC Machinery (Hong Kong) Co., Ltd.; im selben Jahr Start von KWC Machinery (Dongguan) Co., Ltd. mit Fertigung und Export.

2006

TS16949-Zertifizierung und Einfuehrung internationaler Qualitaetsstandards.

2007

Einstieg in Chinas Automobilindustrie; Serienfertigung von Fensterheber- und Schiebedach-Motoren, Waschanlagenmotoren und Klappenmotoren fuer Fahrzeuge.

2008

Entwicklung von BLDC-Motoren; Export nach Singapur fuer Energiespar-Deckenventilatoren der Marke Gracezone Fans und Ausbau des Energiesparmarkts.

2011

BLDC-Serie Ø24 bis Ø60 mm entwickelt; Export der Produkte nach Hongkong, Japan und in die USA, Ausbau der Auslandsmaerkte.

2013

Investition in Jiayuchang Plastics; Spritzgusstechnik eingefuehrt und Bauteilfertigung.

2014

Gruendung der Xiegang-Niederlassung, Fokus auf BLDC-F&E und Produktion; technischer Tiefe und Produktionskapazitaet.

2017

Japanischen Markt erschlossen; qualifizierter Lieferant fuer Hitachi und Toshiba. Anerkannter Lieferant.

2018

Halbautomatische Linien fuer Induktionsmotoren aufgebaut; Serienfertigung fuer Kuechengerate, in den US-Vertriebskanal Walmart.

2019

Hauptsitz an heutigen Standort verlegt; Kapazitaet ausgebaut und von Fertigungs- und Betriebsstruktur.

2022

Entwicklung und Serienfertigung von Kuehl-Lueftermotoren fuer EV-Batteriemodule von Shanghai GM.

2024

ISO 14001-Zertifizierung und Ausbau des japanischen Premium-Markts; anerkannter Lieferant von Panasonic und TOTO.

2025

Taiwan-Niederlassung gegrueudet; APAC-Service gestaerkt und Weiterentwicklung des globalen Geschaefts.



BLDC-Motor

Typenschlüssel BLDC-Motor

RB-2838-96BTD-001

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Typenschlüssel:

1. Gehaeuseform: R: rund; F: flach; S: quadratisch

2. Motortyp: B: EC/BLDC; T: Schrittmotor; V: Induktion

3. Motoraussendurchmesser: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

4. Motorlaenge: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

5. Statornuten: O: eisenlos; 1-Z: Nutenzahl, 2:2; 3:3; 5:5; 6:6; 7:7; 9:9; A:10; C:12; F:15; I:18

6. Rotorpole: 1-Z: Polzahl, 2:2 Pole; 4:4; 6:6; 8:8; A:10; C:12; E:14

7. Magnettyp: C: Gummimagnet; R: isotrop Ring; T: isotrop Segment; B: geb. Seltenerd; N: gesintert; S-P: trocken anisotrop; D: nass anisotrop; V:6N nass; W:9N nass

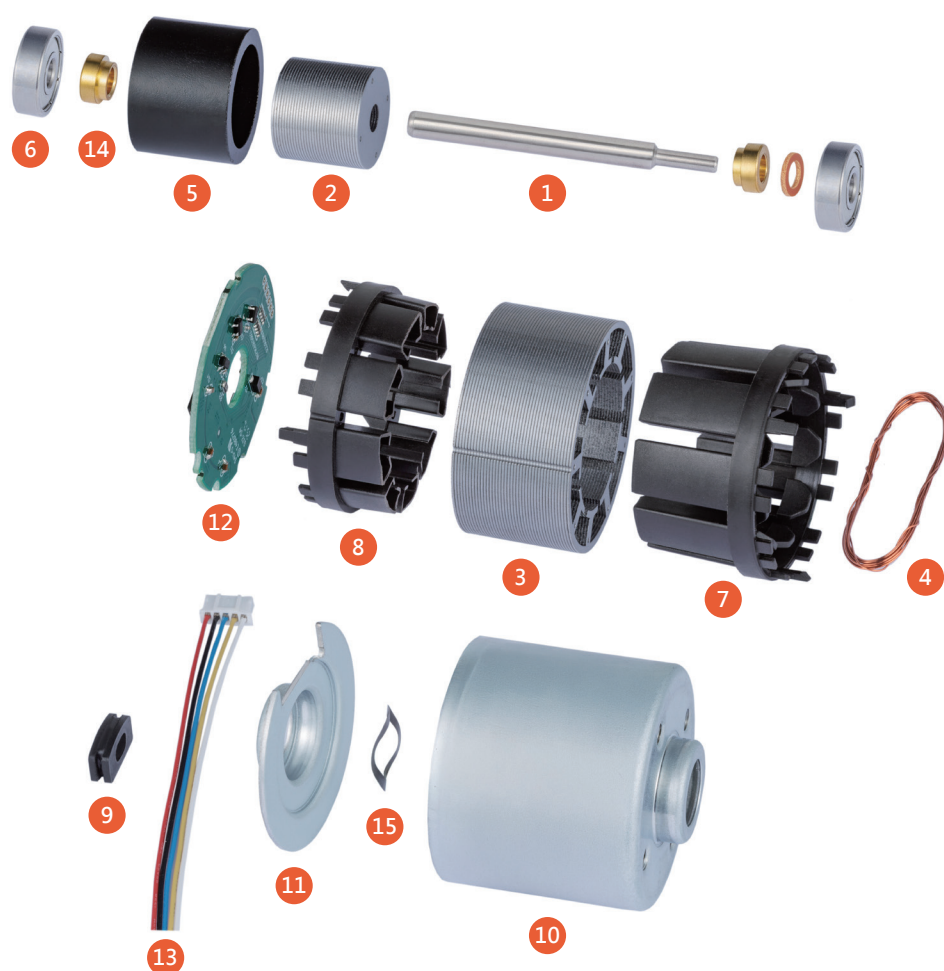
8. Rueckdeckel: S: Kunststoffdeckel; T: Eisendeckel

9. Abtriebswelle: K: geraendelt; D: D-Schnitt; S: D-Schnitt; J: Stufenwelle; T: Gewinde; P: Riemenscheibe; G: Zahnrad; W: Schnecke; E: Exzenter; N: glatte Welle

10. Seriennummer: dreistellig

11. Kundenspezifische Nr.

Explosionszeichnung BLDC-Motor



1 Welle

2 Rotorblechpaket

3 Statorblechpaket

4 Kupferlackdraht

5 Magnet

6 Lager

7 Frontisolator

8 Rueckisolator

9 Motorgummipad

10 Stahlgehaeuse

11 Stahldeckel

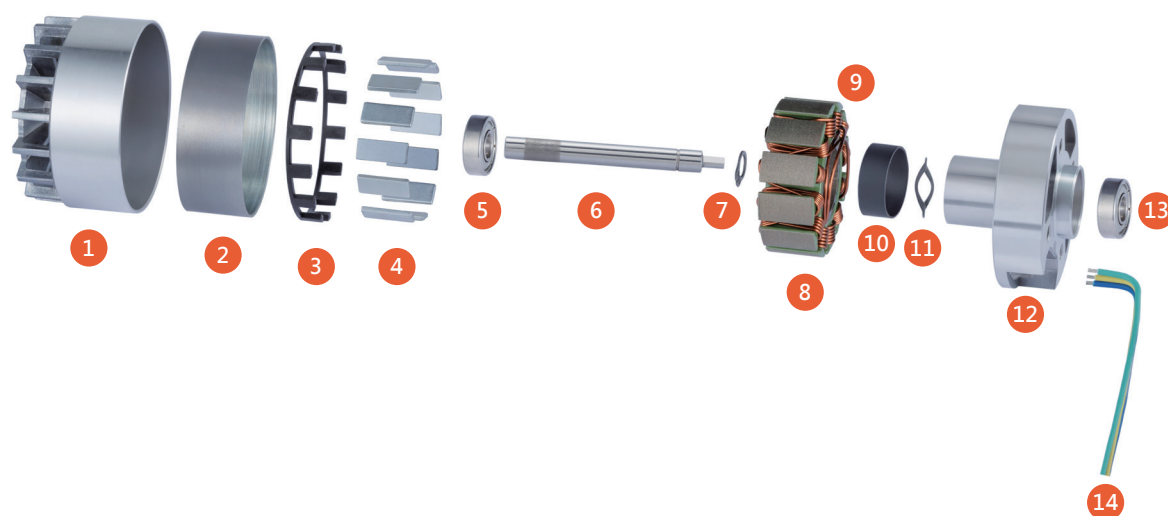
12 Hall-Platine

13 Kabelsatz ASSY

14 Druckring

15 Federscheibe

Explosionszeichnung Aussenläufer-BLDC



1 Rotorhülse

2 Magnetschutzring

3 Magnethalter

4 Sintermagnet

5 Lager

6 Welle

7 C-Ring

8 Statorkern

9 Kupferlackdraht

10 Schrumpfschl.

11 Federscheibe

12 Statorbasis

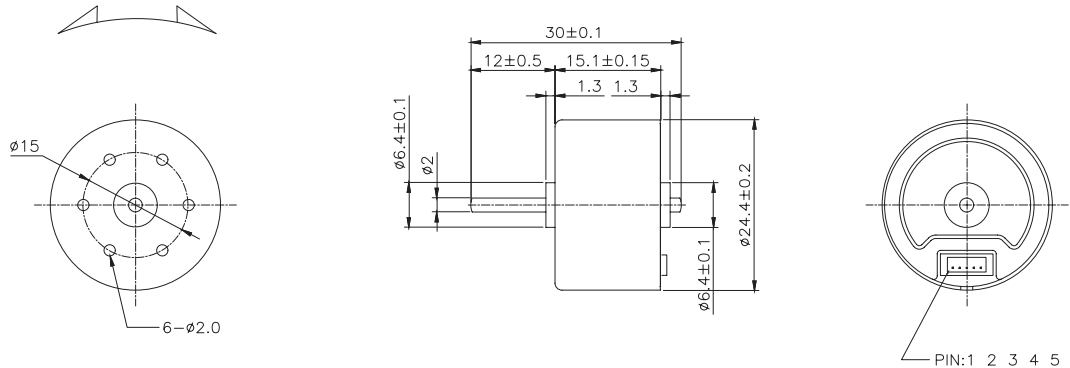
13, Lager

14, Kabel

BLDC-Motor

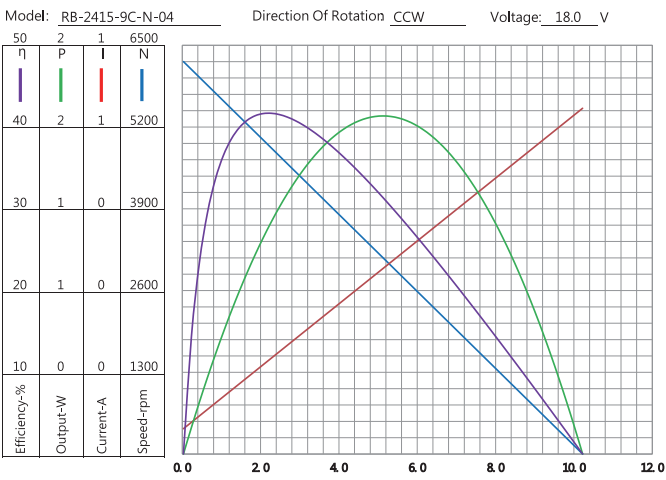
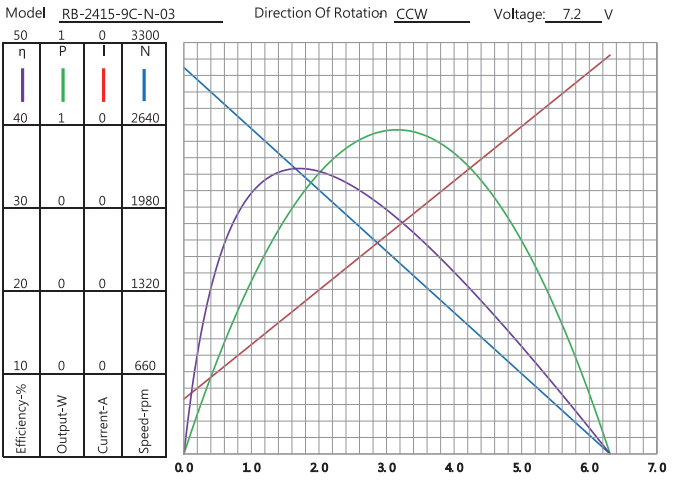
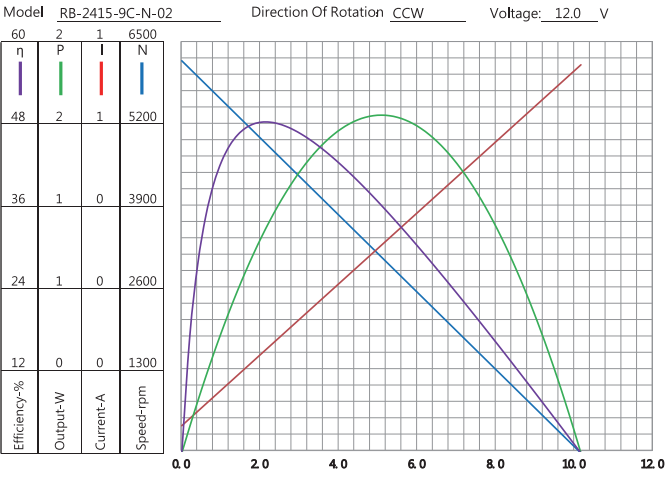
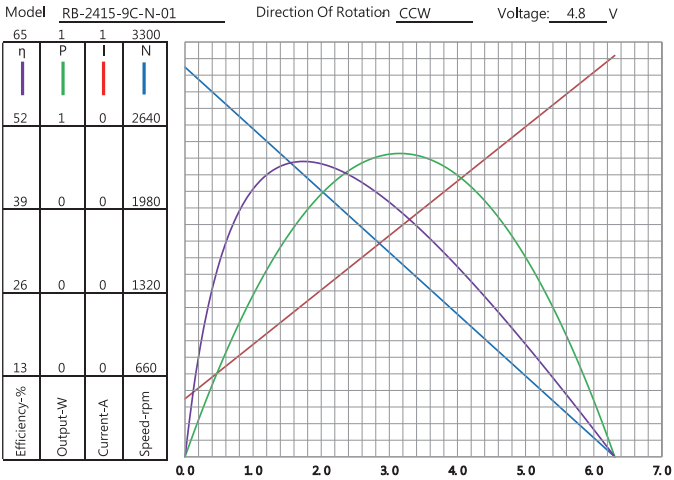
RB-2415-9C

Einsatz:
Mikropumpen, Mischer, Foehne, Rasierer, Lockenstaebe, Massage,
Glaetteisen, Luft-/Wasser-/Vakuumpumpen, Ventile



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-2415-9C-N-01	4.5V-6.0V	4.8V CONSTANT	3100	0.07	2276	0.18	17.1	1.68	0.4	46.22	65	6.38
RB-2415-9C-N-02	9.0V-16.0V	12.0V CONSTANT	6200	0.05	4975	0.18	20.4	2	1.04	48.24	103	10.1
RB-2415-9C-N-03	6.0V-12.0V	7.2V CONSTANT	3100	0.06	2276	0.14	17.1	1.68	0.4	46.22	65	6.38
RB-2415-9C-N-04	9.0V-24.0V	18.0V CONSTANT	6200	0.04	4975	0.14	20.4	2	1.04	48.24	103	10.1

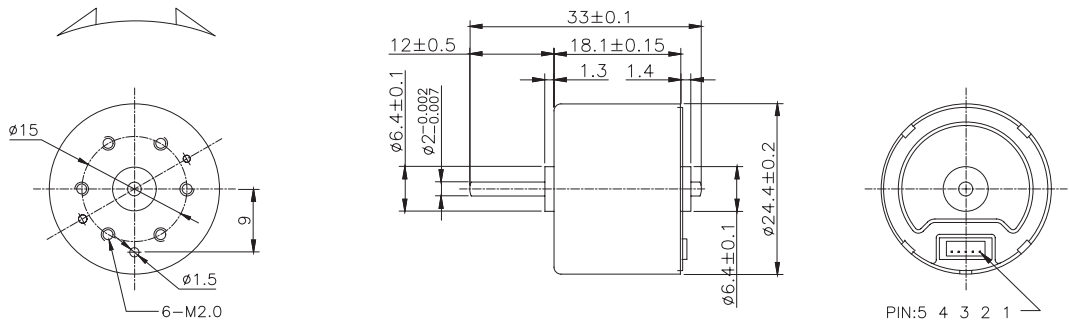
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

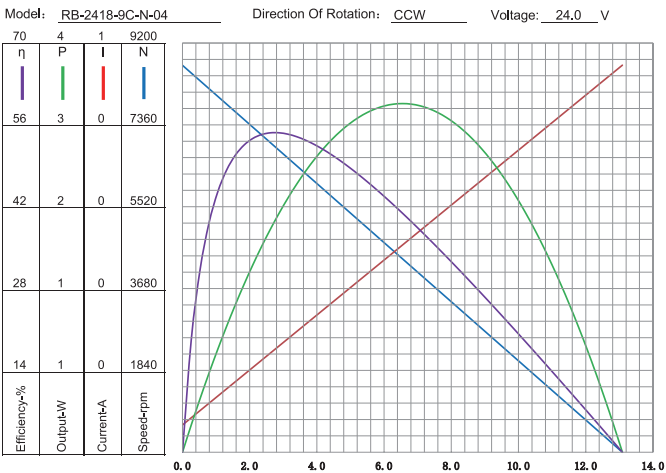
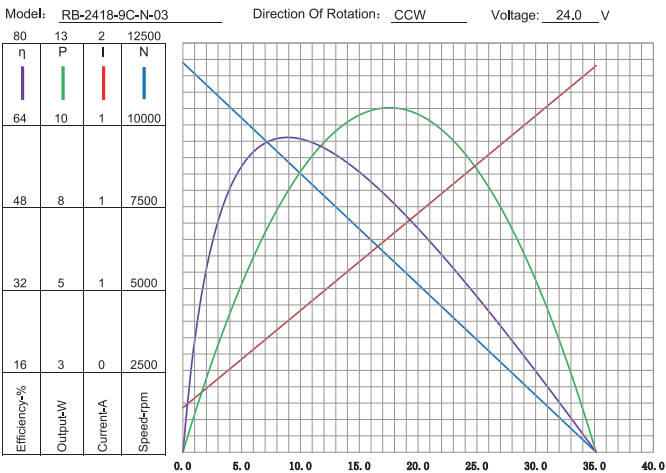
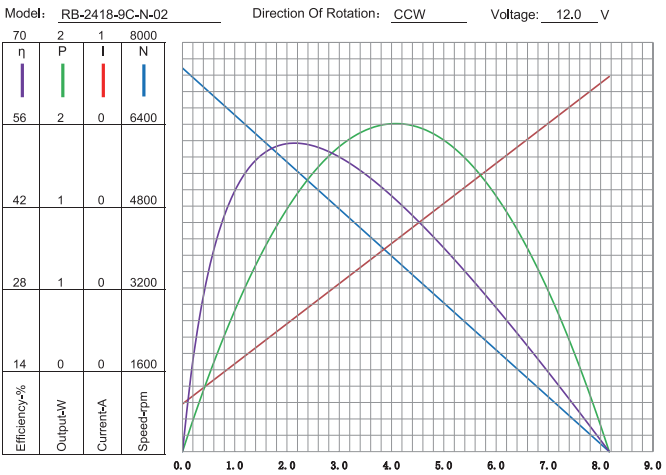
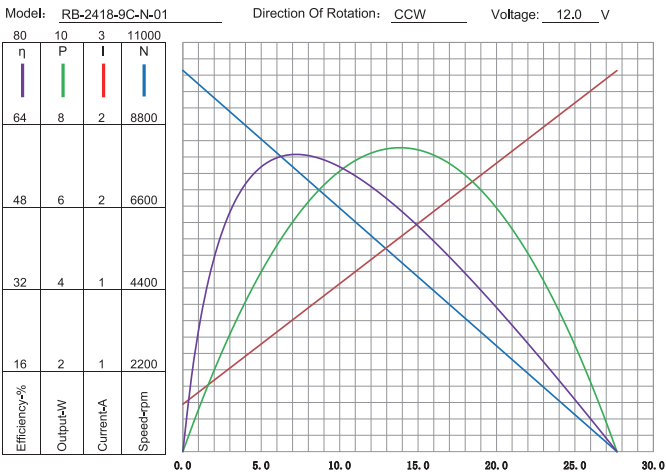
RB-2418-9C

Einsatz:
Elektroventile, med. Mikropumpen, Zentrifugen, med. Mischer, Foehne, Elektrorasierer,
Lockenstaebe, Massagegeraete, Glaetteisen, Luftpumpen, Wasserpumpen, Vakuumpumpen, Elektrowerkzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-2418-9C-N-01	9.0V-16.0V	12.0V CONSTANT	10250	0.29	7585	0.82	73.4	7.2	5.7	57.7	282.4	27.69
RB-2418-9C-N-02	9.0V-16.0V	12.0V CONSTANT	7500	0.07	5563	0.194	21.5	2.11	1.2	52.8	105	10.29
RB-2418-9C-N-03	19.0V-26.0V	24.0V CONSTANT	11900	0.19	8891	0.56	90.6	8.89	8.3	61.4	358.4	35.14
RB-2418-9C-N-04	19.0V-26.0V	24.0V CONSTANT	8700	0.04	6556	0.17	32.9	3.23	2.2	54.4	144	14.12

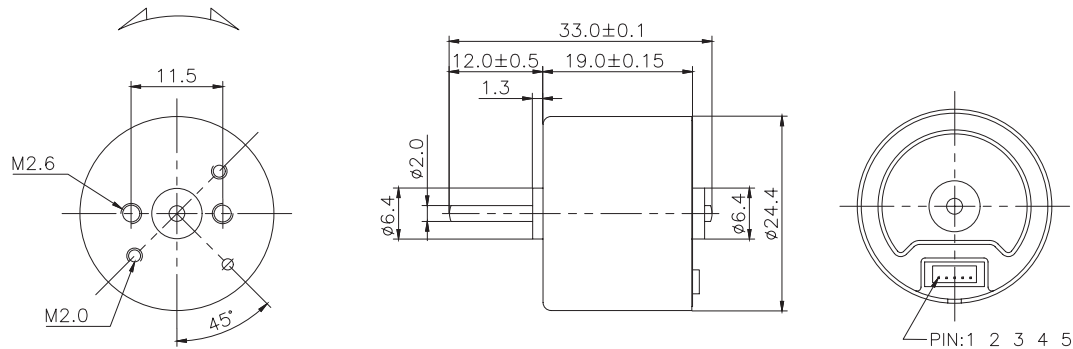
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

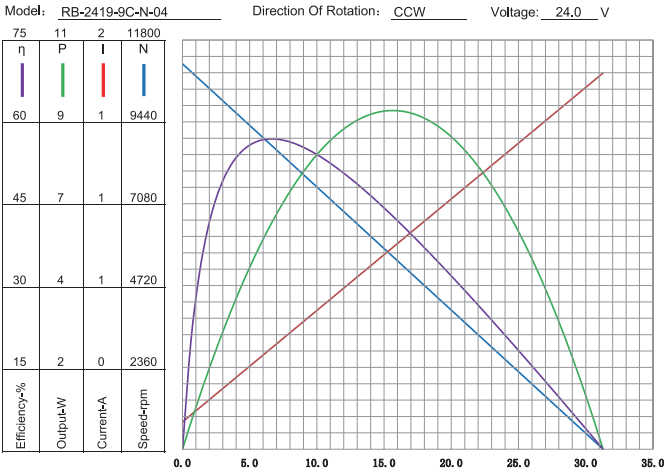
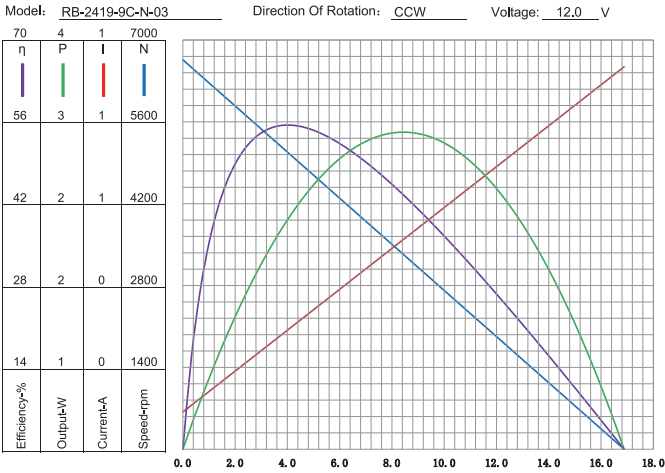
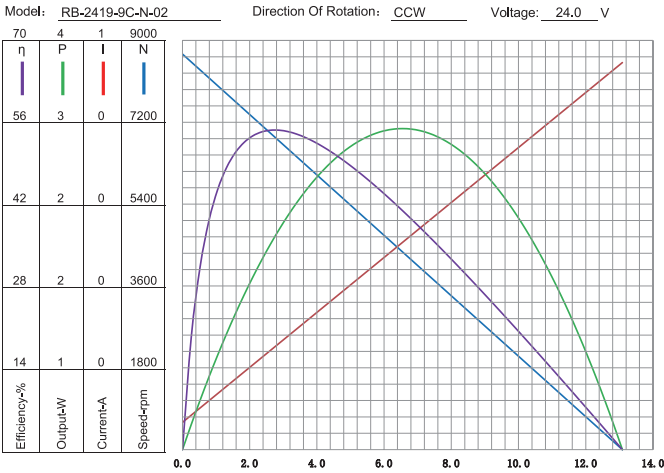
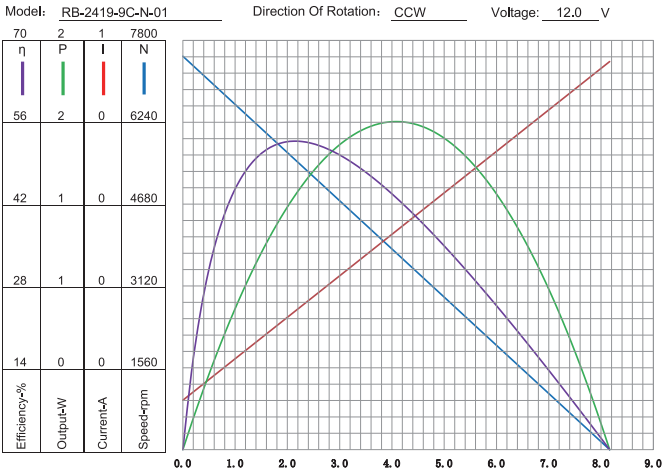
RB-2419-9C

Einsatz:
Elektroventile, med. Mikropumpen, Zentrifugen, med. Mischer, Foehne, Elektrorasierer,
Lockenstaebe, Massagegeraete, Glaetteisen, Luftpumpen, Wasserpumpen, Vakuumpumpen, Elektrowerkzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY							STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF		TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%		g.cm	mN-m
RB-2419-9C-N-01	9.0V-16.0V	12.0V CONSTANT	7500	0.07	5563	0.194	21.5	2.11	1.2	52.8		105	10.29
RB-2419-9C-N-02	9.0V-26.0V	24.0V CONSTANT	8700	0.04	6556	0.17	32.9	3.23	2.2	54.4		144	14.12
RB-2419-9C-N-03	8.0V-26.0V	12.0V CONSTANT	6662	0.1	5083	0.32	40.8	4	2.13	55		172.074	16.87
RB-2419-9C-N-04	8.0V-26.0V	24.0V CONSTANT	11113	0.12	9159	0.39	56.1	5.5	5.28	56.5		318.954	31.27

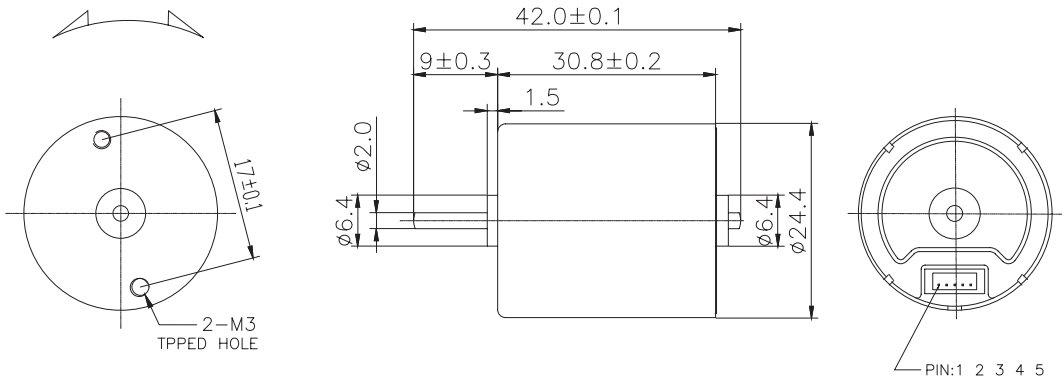
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

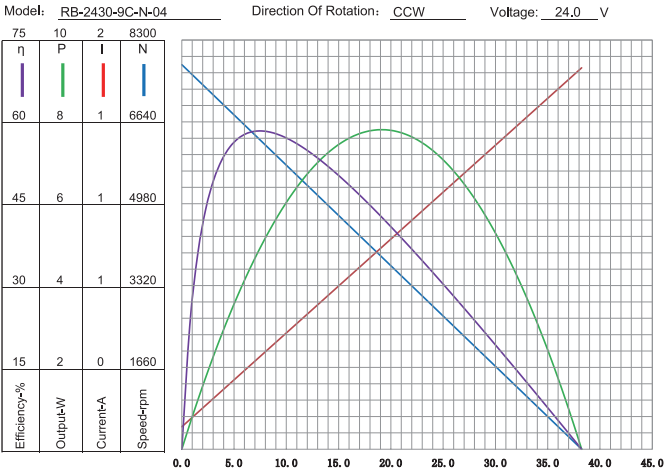
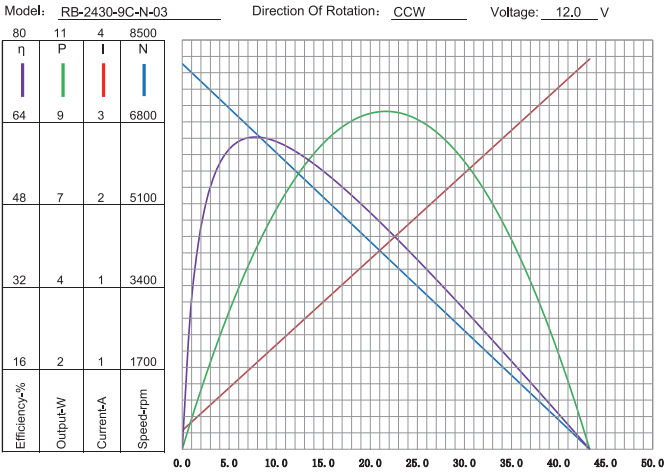
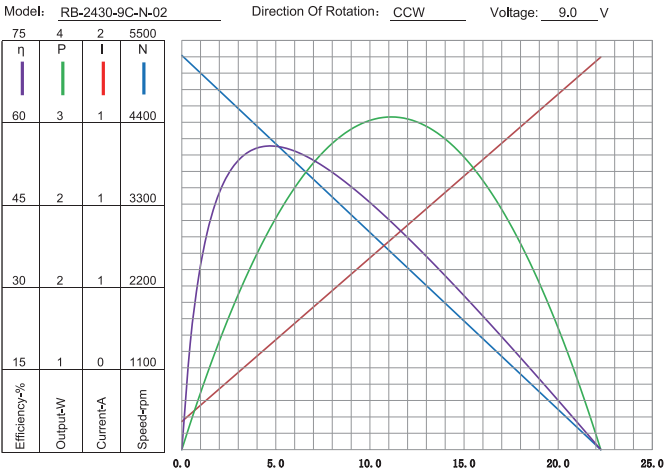
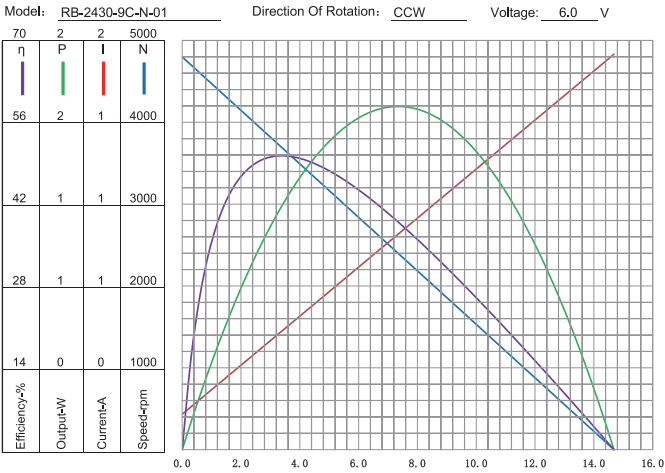
RB-2430-9C

Einsatz:
Ventile, Mikropumpen, Luft-/Wasser-/Vakuumpumpen, Blutdruckmesser, Zentrifugen,
OP-Antriebe, Elektrorasierer, Massagegeraete, Foehne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-2430-9C-N-01	5.0V-9.0V	6.0V CONSTANT	4800	0.13	3694	0.434	34.5	3.38	1.31	50.3	150	14.71
RB-2430-9C-N-02	6.0V-12.0V	9.0V CONSTANT	5300	0.11	4184	0.41	47.8	4.69	2.05	55.3	227.1	22.26
RB-2430-9C-N-03	9.0V-16.0V	12.0V CONSTANT	8010	0.16	6800	0.64	66.7	6.54	4.4	57	333.3	32.68
RB-2430-9C-N-04	19.0V-26.0V	24.0V CONSTANT	7800	0.085	6280	0.35	76	7.45	4.9	58.5	390	38.24

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

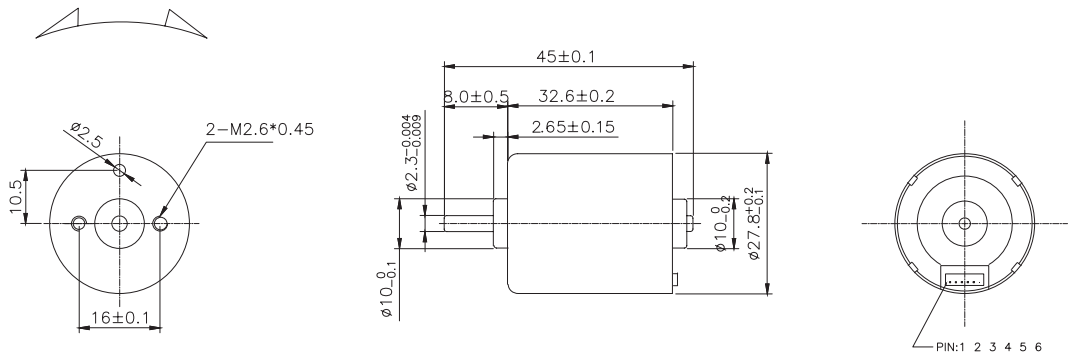


BLDC-Motor

RB-2832-68

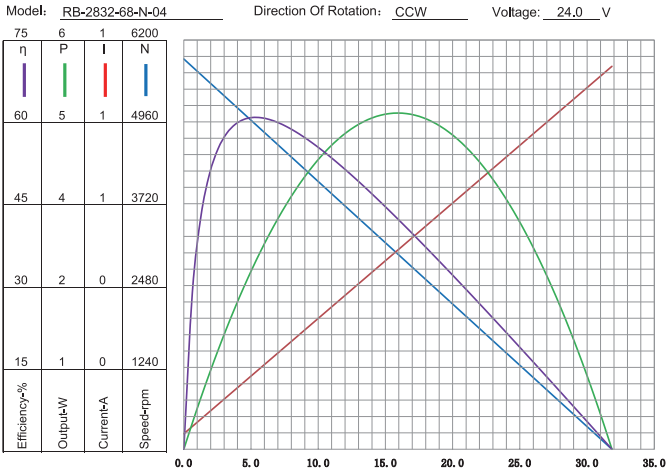
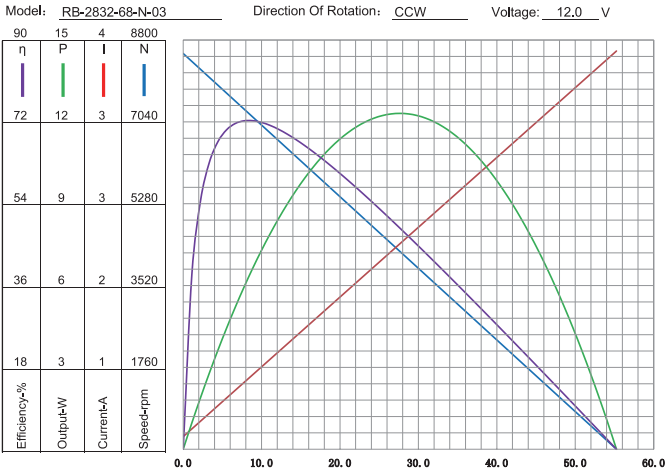
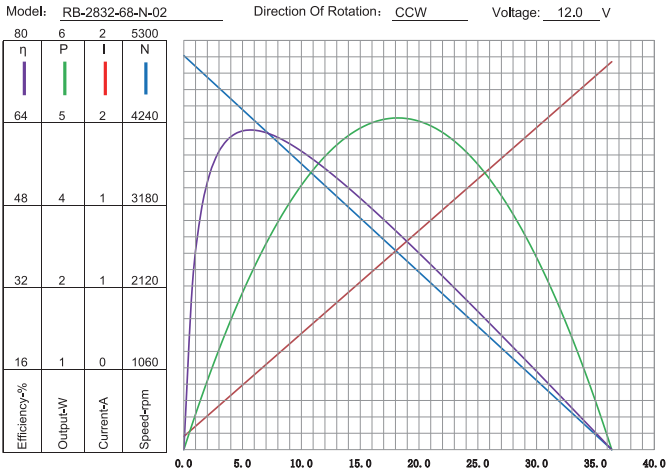
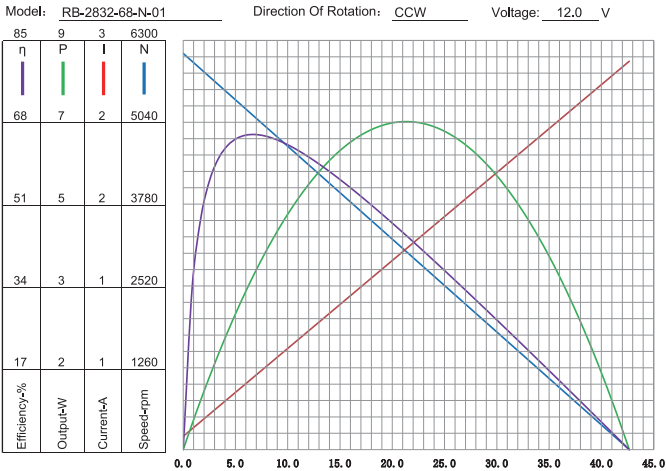
Einsatz:

Luefter, elektrische Vorhaenge, Smart-Geraete, Vakuumpumpen, Akku-Schrauber, Luftpumpen, Wasserpumpen, Elektroventile, OP-Antriebe, Mixer, Zentrifugen, med. Mikropumpen, Blutdruckmesser, Elektrorasierer, Massagegeraete, Foehne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-2832-68-N-01	9.0-16.0V	12.0V CONSTANT	6100	0.085	5140	0.46	68.47	6.71	3.62	66.19	217.61	21.33
RB-2832-68-N-02	9.0-16.0V	12.0V CONSTANT	5105	0.063	4313	0.34	57.56	5.64	2.55	61.91	185.64	18.2
RB-2832-68-N-03	9.0-16.0V	12.0V CONSTANT	8510	0.13	7220	0.73	85.41	8.37	6.33	72.53	281.79	27.63
RB-2832-68-N-04	18.0-30.0V	24.0V CONSTANT	5912	0.038	4911	0.19	54.99	5.39	2.77	61.91	162.42	15.92

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

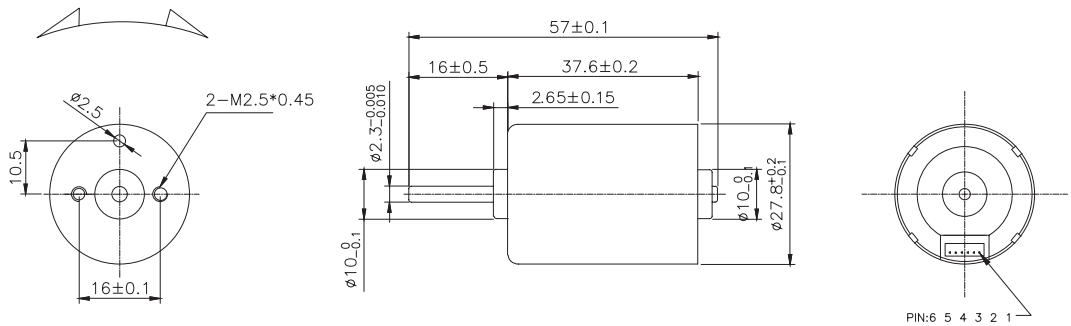


BLDC-Motor

RB-2838-68

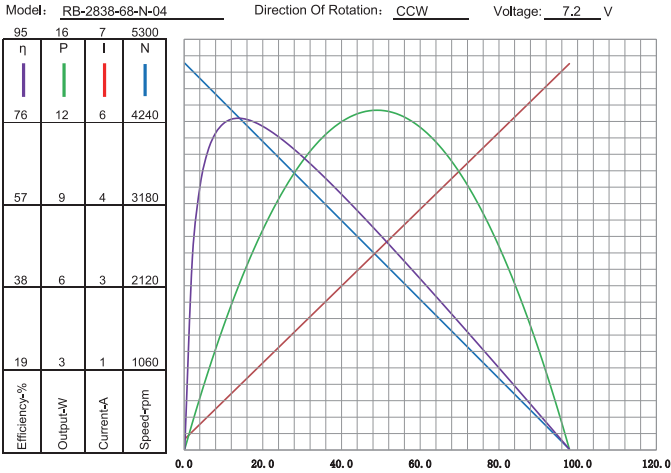
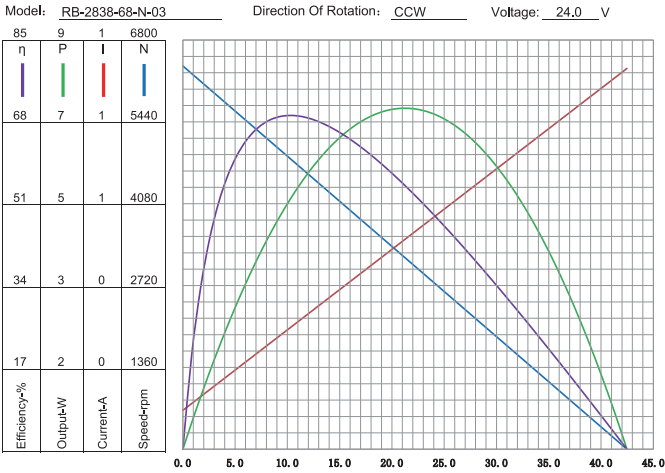
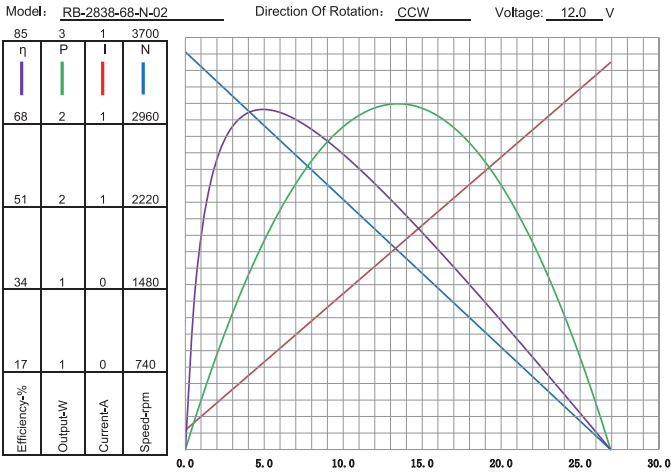
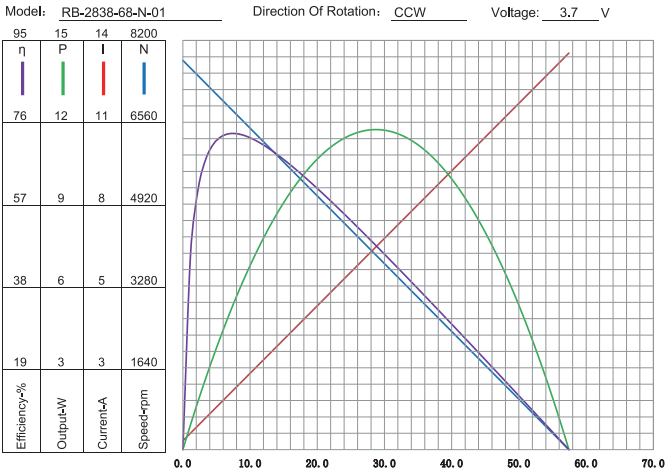
Einsatz:

Luefter, elektrische Vorhaenge, Smart-Geraete, Vakuumpumpen, Akku-Schrauber, Luftpumpen, Wasserpumpen, Elektroventile, OP-Antriebe, Mixer, Zentrifugen, med. Mikropumpen, Blutdruckmesser, Elektrorasierer, Massagegeraete, Foehne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY							STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF		TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%		g.cm	mN-m
RB-2838-68-N-01	3.5V-4.2V	3.7V CONSTANT	7800	0.29	6788	1.95	76	7.45	5.3	73		585	57.35
RB-2838-68-N-02	9.0V-14.0V	12.0V CONSTANT	3570	0.04	2911	0.18	50.7	4.97	1.5	71.3		274.6	26.92
RB-2838-68-N-03	19V-26.0V	24.0V CONSTANT	6370	0.1	4845	0.31	103.7	10.17	5.1	67.6		433.3	42.48
RB-2838-68-N-04	6.0V-12.0V	7.2V CONSTANT	5000	0.18	4500	0.85	100.062	9.81	4.63	72		576.3	56.5

Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

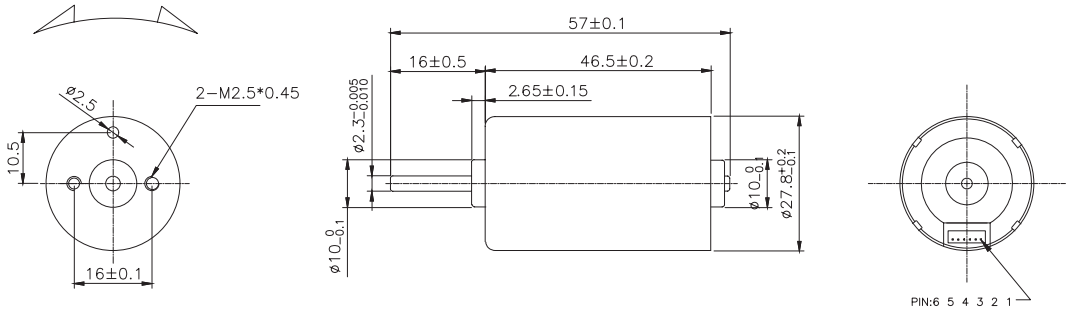


BLDC-Motor

RB-2847-68

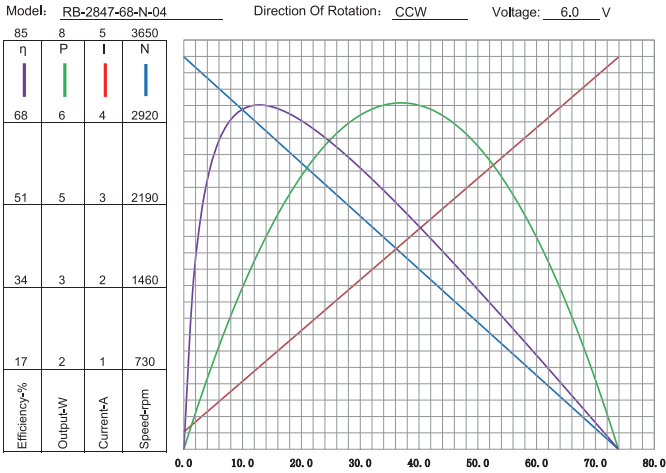
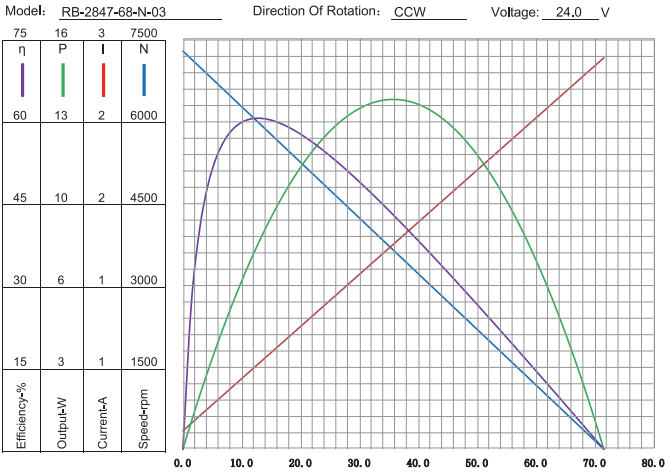
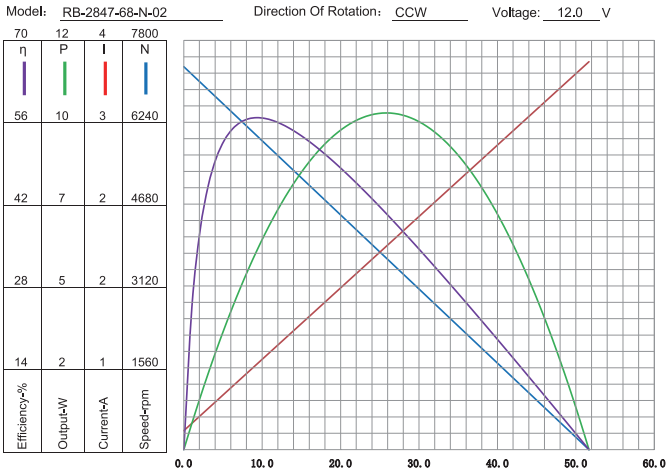
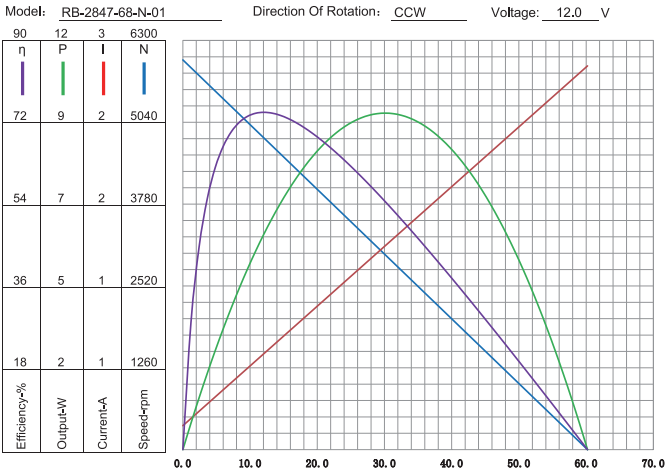
Einsatz:

E-Vorhaenge, Linearantriebe, Vakuumpumpen, Akku-Schrauber, Luftpumpen, Ventile, Mikropumpen, Rasierer, Massagegeraete, Foehne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-2847-68-N-01	9.0V-14.0V	12.0V CONSTANT	6000	0.17	4800	0.68	122.8	12.04	6.1	73.6	618.6	60.65
RB-2847-68-N-02	9.0V-16.0V	12.0V CONSTANT	7300	0.19	5977	0.86	95.5	9.36	5.86	57	527	51.67
RB-2847-68-N-03	9.0V-26.0V	24.0V CONSTANT	7300	0.12	6000	0.55	130	12.75	8.02	60.6	730	71.57
RB-2847-68-N-04	6.0V-12.0V	6.0V CONSTANT	3500	0.19	2600	1.25	193.8	19	5.19	66.5	800.7	78.5

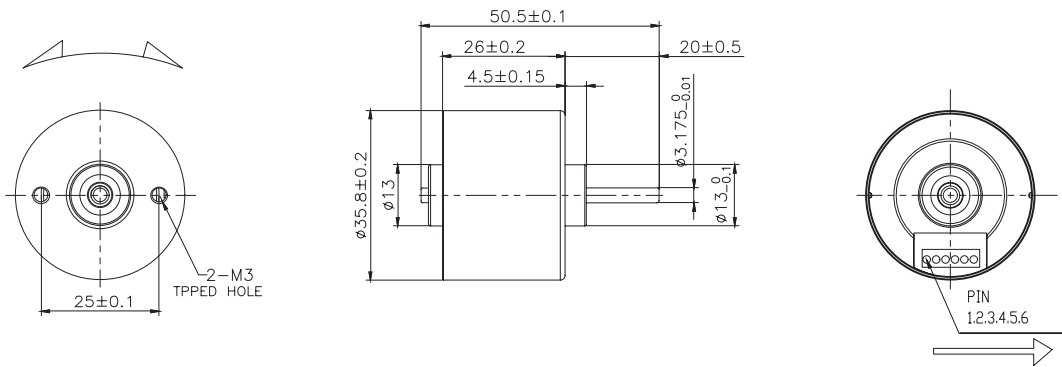
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

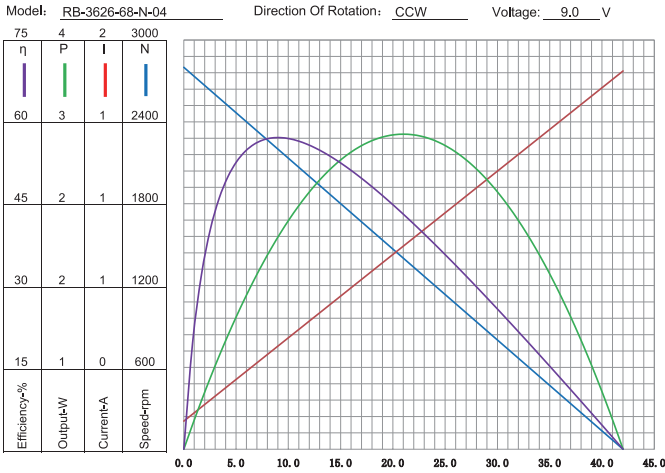
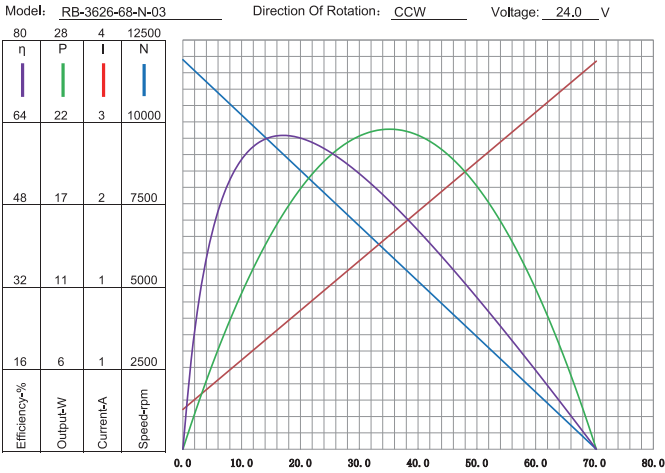
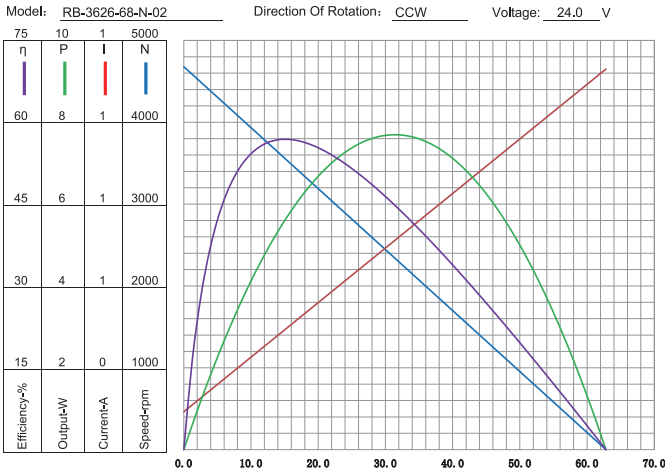
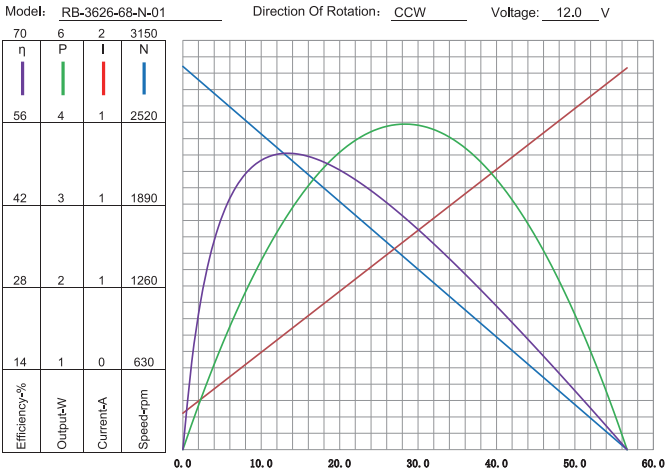
RB-3626-68

Einsatz:
Geldautomaten, Automaten, Druckgeraete, Projektoren, Mikropumpen, Ventile,
Elektrorasierer, Massagegeraete, Foejne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED rpm	CURRENT A	SPEED rpm	CURRENT A	TORQUE g.cm	TORQUE mN-m	OUTPUT W	EFF %	TORQUE g.cm	TORQUE mN-m
RB-3626-68-N-01	9.0V-14.0V	12.0V CONSTANT	2950	0.16	2251	0.52	136.9	13.42	3.2	51.1	578.4	56.71
RB-3626-68-N-02	19.0V-26.0V	24.0V CONSTANT	4680	0.13	3562	0.41	153	15	5.6	56.2	641.1	62.85
RB-3626-68-N-03	19.0V-26.0V	24.0V CONSTANT	11900	0.35	9065	1.08	170.8	16.75	15.9	61	700	68.63
RB-3626-68-N-04	8.0V-26.0V	9.0V CONSTANT	2800	0.11	1900	0.55	137.7	13.5	2.69	57.2	637.5	62.5

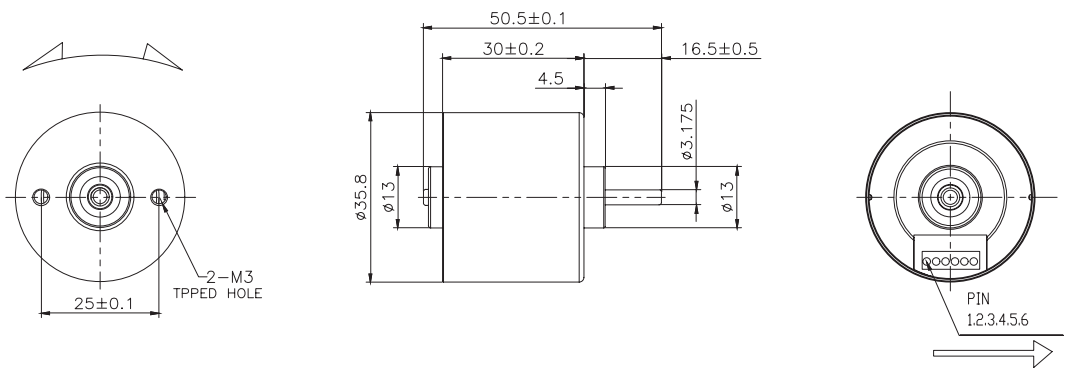
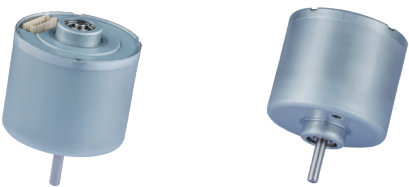
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

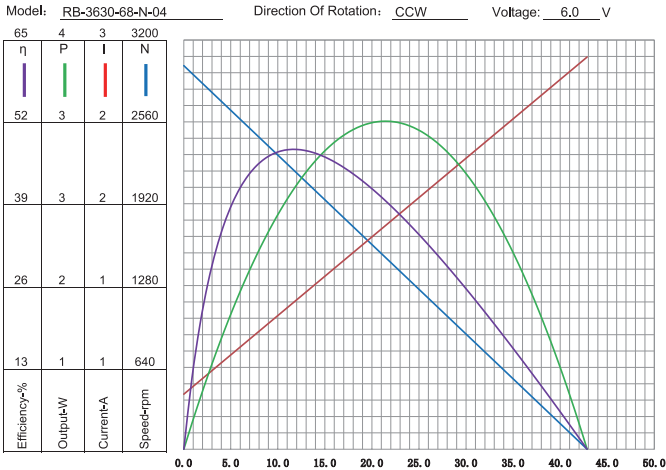
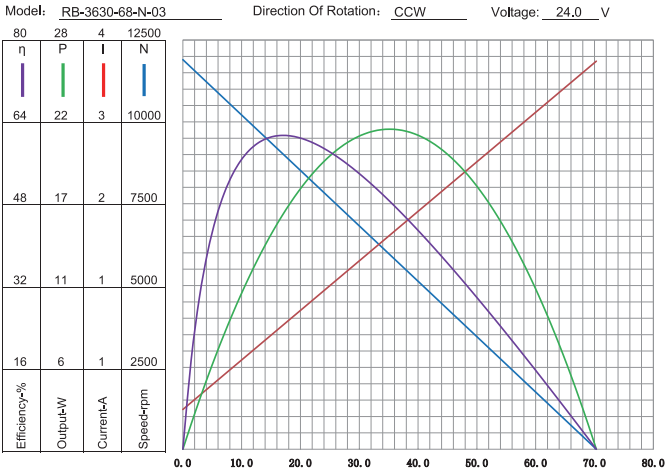
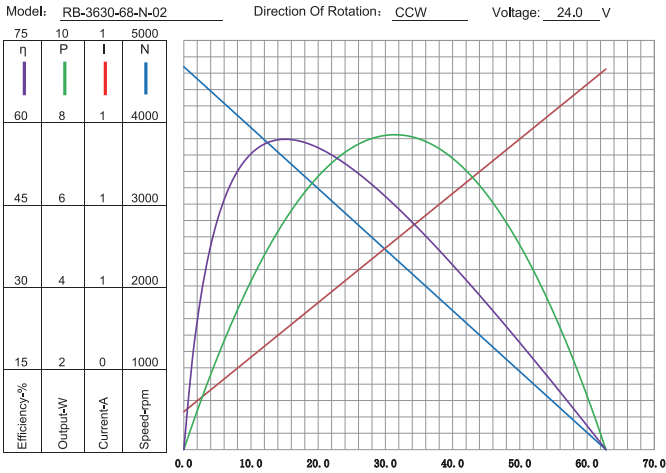
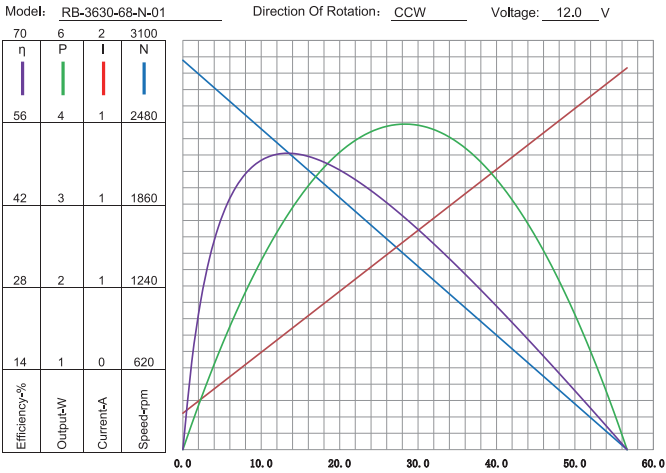
RB-3630-68

Einsatz:
E-Vorhaenge, Tuer-/Fensterantriebe, Geldautomaten, Automaten, Zutrittsantriebe,
Lichtsteuerungen, Elektroventile



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-3630-68-N-01	9.0V-14.0V	12.0V CONSTANT	2950	0.16	2251	0.52	136.9	13.42	3.2	51.1	578.4	56.71
RB-3630-68-N-02	19.0V-26.0V	24.0V CONSTANT	4680	0.13	3562	0.41	153	15	5.6	56.2	641.1	62.85
RB-3630-68-N-03	19.0V-26.0V	24.0V CONSTANT	11900	0.35	9065	1.08	170.8	16.75	15.9	61	700	68.63
RB-3630-68-N-04	5.8V-12.0V	6.0V CONSTANT	3000	0.35	2300	0.85	102	10	2.42	57.2	459	45

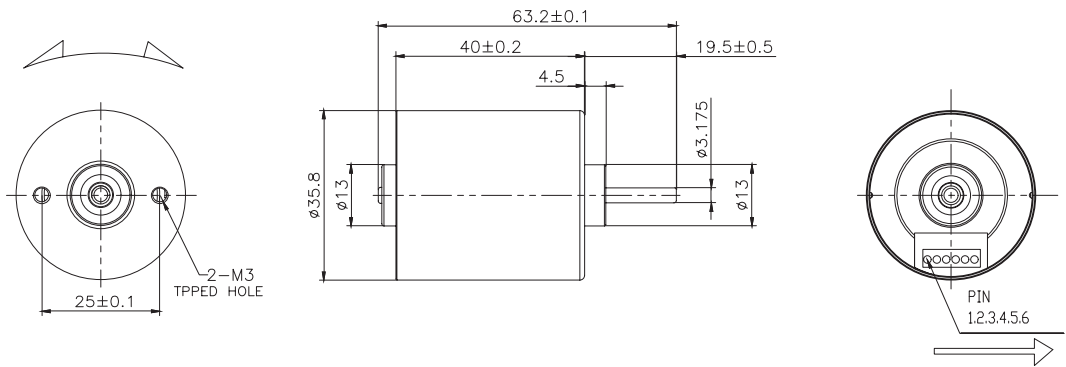
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

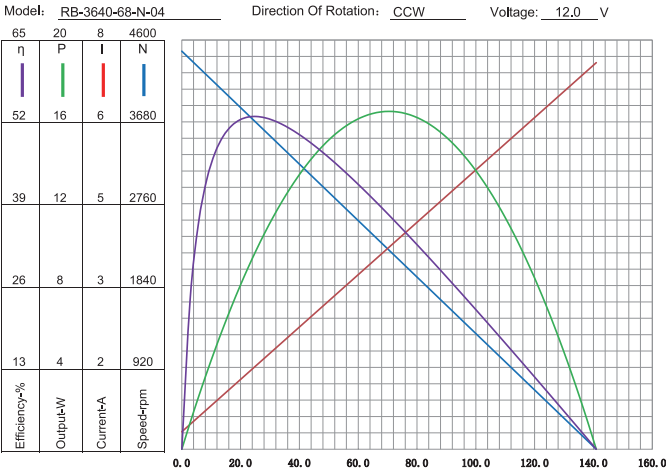
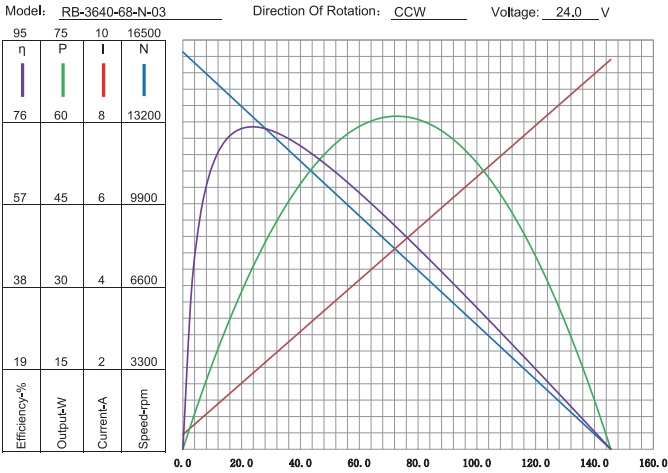
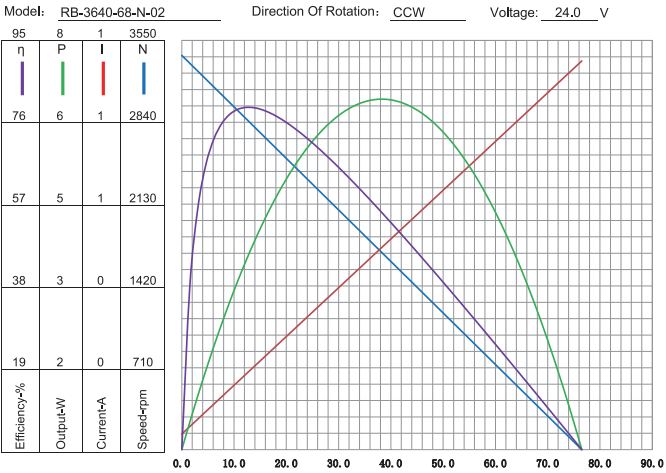
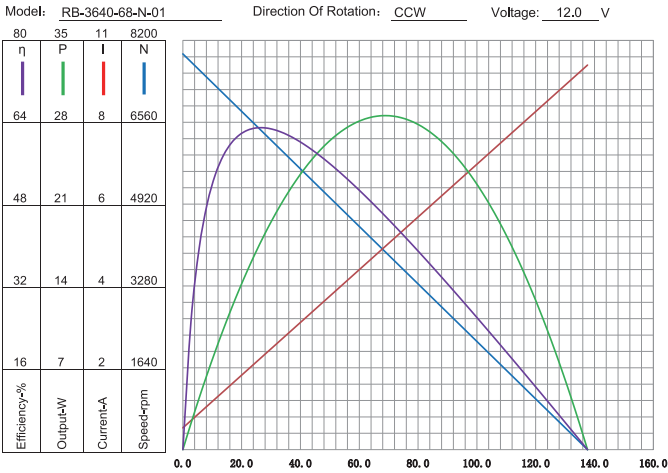
RB-3640-68

Einsatz:
Mixer, Zentrifugen, Mikropumpen, OP-Antriebe, Luefter, Pumpen, Aktuatoren,
Elektroventile, Elektrorasierer, Massagegeraete, Foejne



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-3640-68-N-01	9.0V-14.0V	12.0V CONSTANT	7930	0.56	6405	2.35	269.9	26.46	17.7	62.8	1404.4	137.69
RB-3640-68-N-02	19.0V-26.0V	24.0V CONSTANT	3420	0.04	2920	0.18	114.1	11.19	3.3	69.6	780	76.47
RB-3640-68-N-03	19.0V-26.0V	24.0V CONSTANT	16020	0.36	13416	1.85	241.2	23.65	33.2	74.6	1484.3	145.52
RB-3640-68-N-04	8.0V-26.0V	12.0V CONSTANT	4475	0.32	3840	1.28	204	20	8.04	73.5	1252.56	122.8

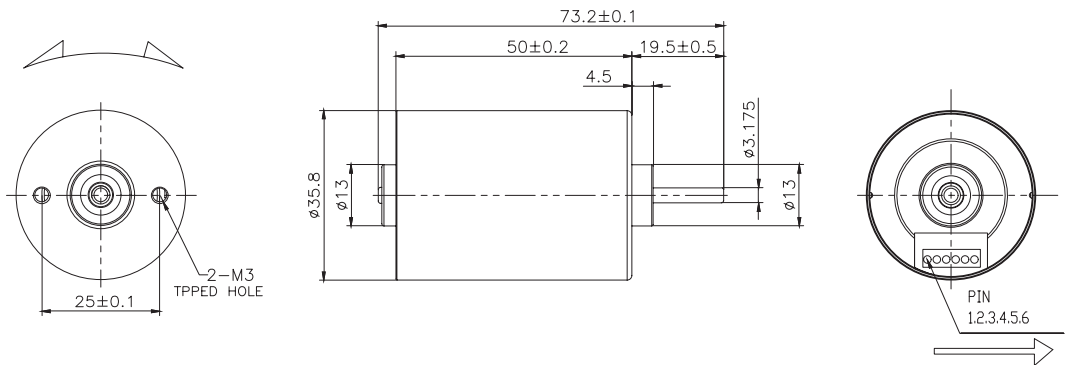
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

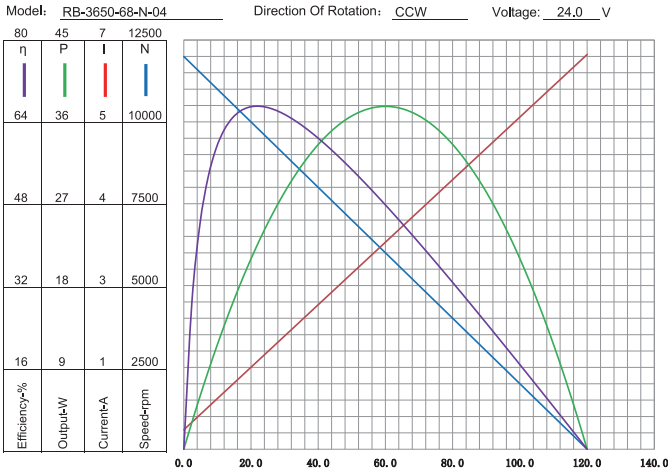
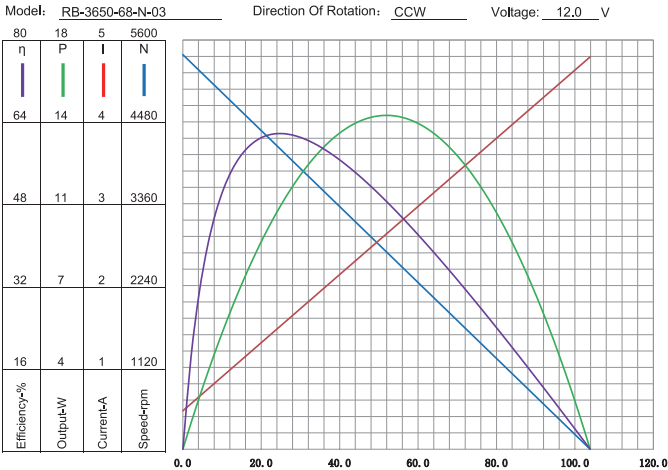
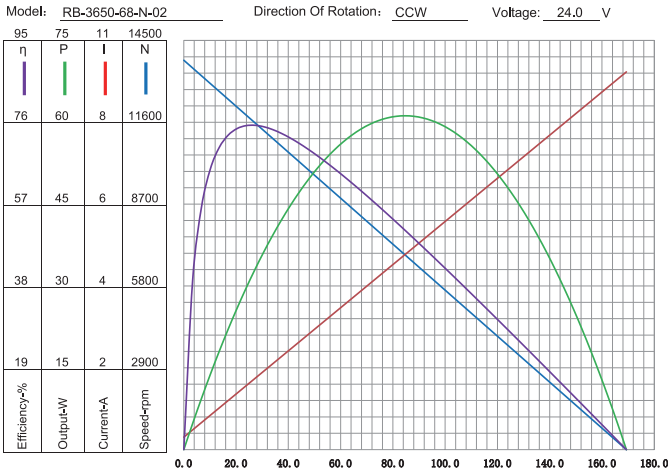
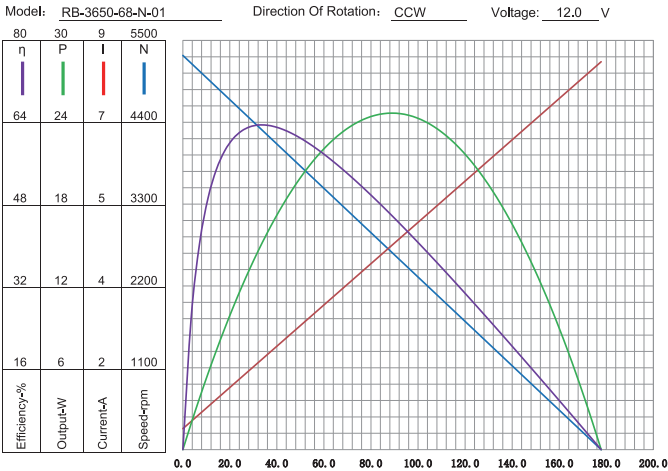
RB-3650-68

Einsatz:
Mixer, Zentrifugen, med. Mikropumpen, OP-Antriebe, Luefter, Wasserpumpen, Luftpumpen,
Elektrowerkzeuge, Projektoren, Verkaufsautomaten, Buero-Druckgeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-3650-68-N-01	9.0V-14.0V	12.0V CONSTANT	5300	0.46	4302	1.98	341.5	33.48	15.1	63.3	1814.9	177.93
RB-3650-68-N-02	19.0V-26.0V	24.0V CONSTANT	13800	0.32	11680	1.76	265.3	26.01	31.8	74.9	1730.7	169.68
RB-3650-68-N-03	8.0V-26.0V	12.0V CONSTANT	5400	0.45	4100	1.45	255	25	10.76	71	851.7	83.5
RB-3650-68-N-04	8.0V-26.0V	24.0V CONSTANT	12000	0.31	9000	1.8	306	30	28.34	68	1033.26	101.3

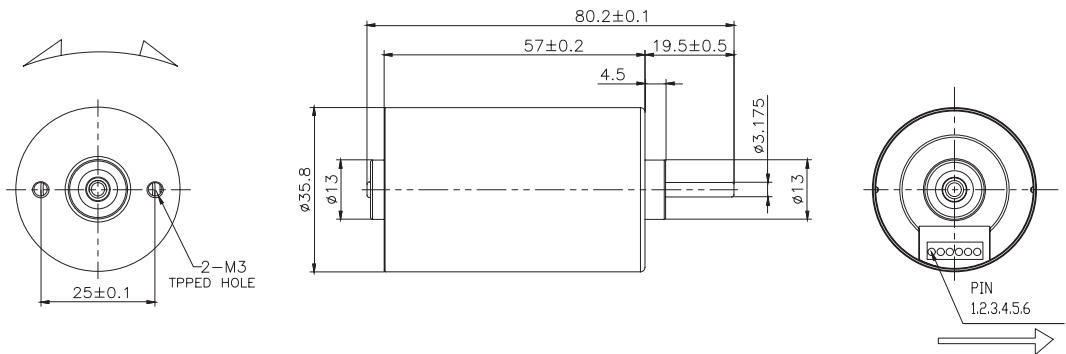
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

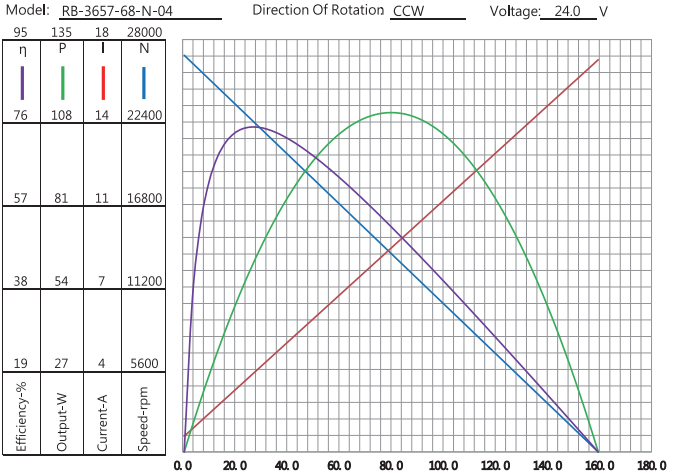
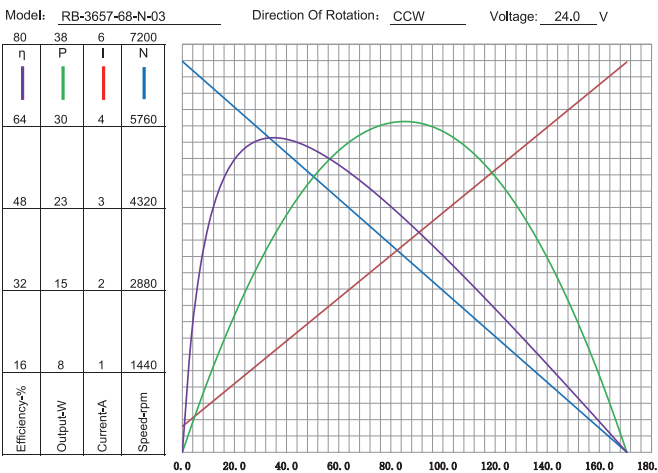
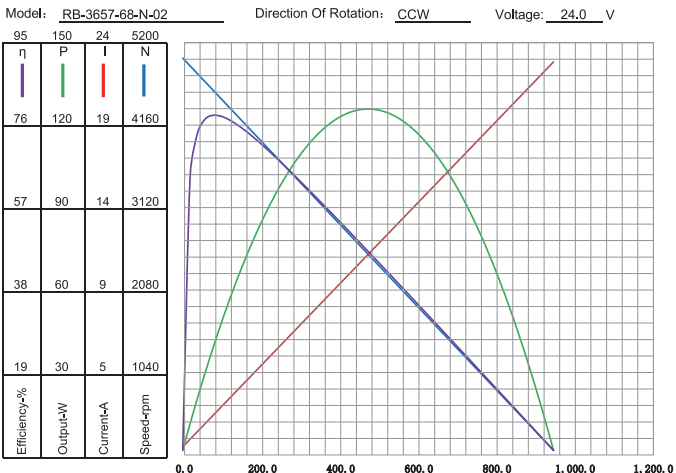
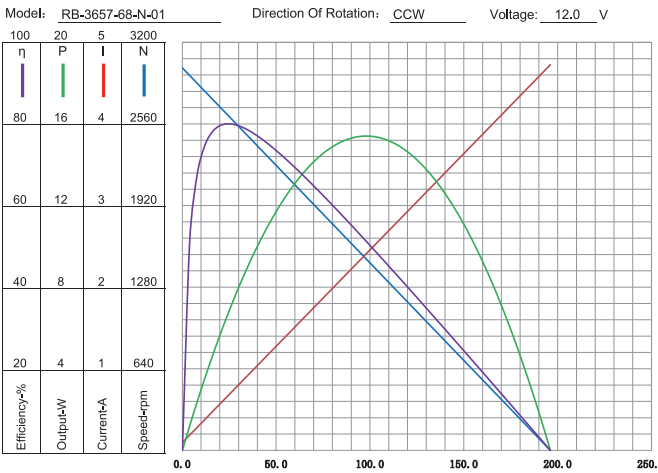
RB-3657-68

Einsatz:
Mixer, Zentrifugen, med. Mikropumpen, OP-Antriebe, Luefter, Wasserpumpen, Luftpumpen,
Elektrowerkzeuge, Projektoren, Verkaufsautomaten, Buero-Druckgeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-3657-68-N-01	9.0V-16.0V	12.0V CONSTANT	3000	0.1	2595	0.75	270	26.47	7.2	79.9	2000	196.08
RB-3657-68-N-02	12.0V-26.0V	24.0V CONSTANT	5000	0.2	4752	1.3	485	47.55	23.6	77.94	3200	313.73
RB-3657-68-N-03	8.0V-26.0V	24.0V CONSTANT	6900	0.35	5200	1.56	428.4	42	22.92	78	2001.24	196.2
RB-3657-68-N-04	8.0V-26.0V	24.0V CONSTANT	27000	0.69	21000	4.35	357	35	77.12	80	1895.16	185.8

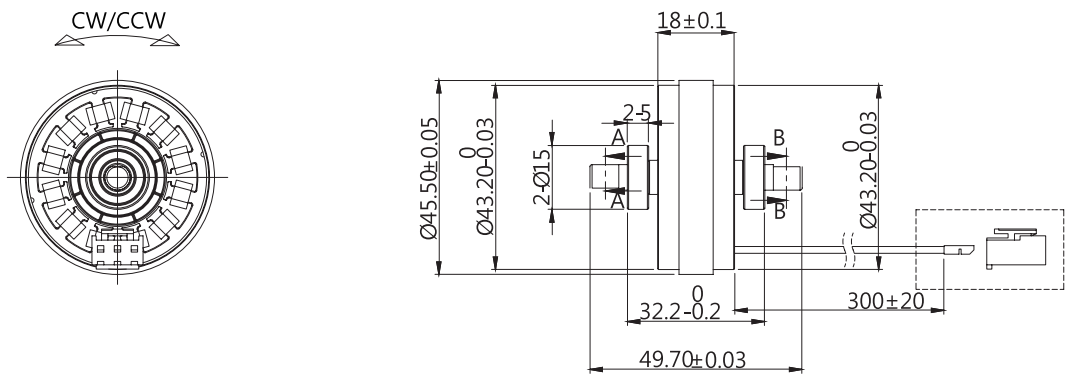
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

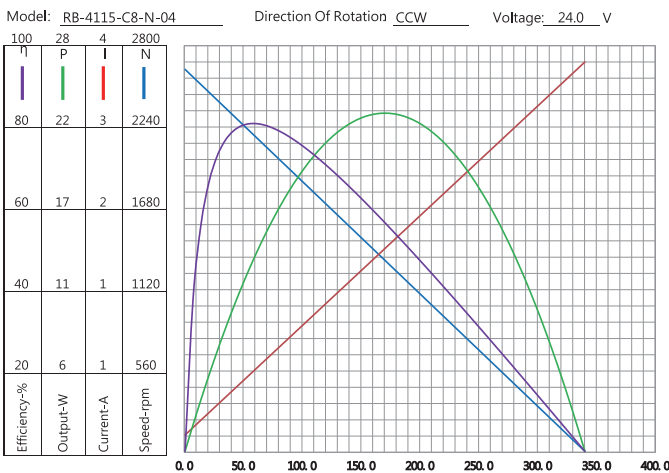
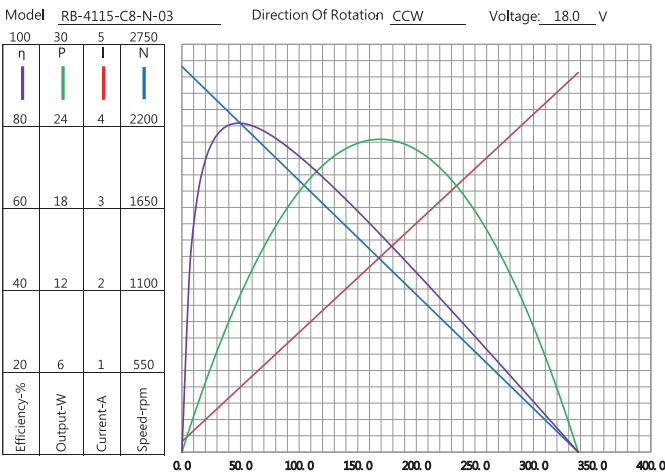
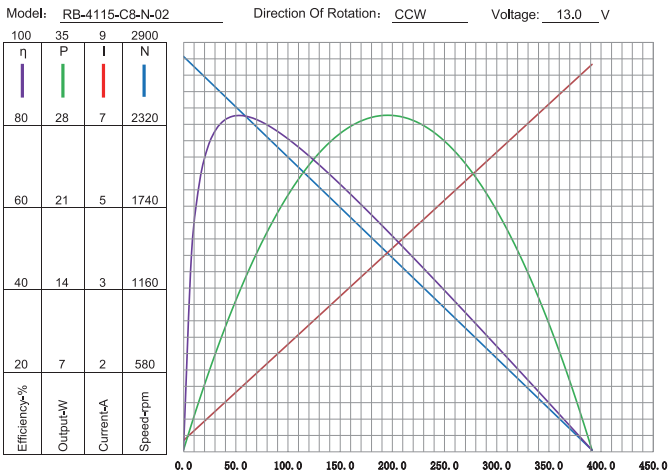
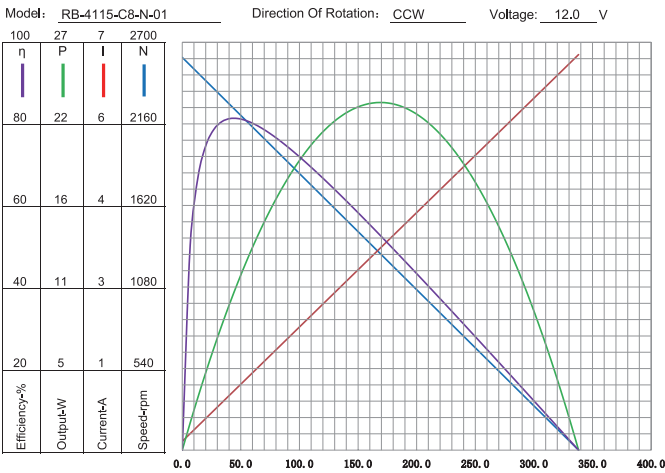
RB-4115-C8

Einsatz:
Beatmungsgeraete, Sauerstoffgeneratoren



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED rpm	CURRENT A	SPEED rpm	CURRENT A	TORQUE g.cm	TORQUE mN-m	OUTPUT W	EFF %	TORQUE g.cm	TORQUE mN-m
RB-4115-C8-N-01	9.0V-16.0V	12.0V CONSTANT	2600	0.16	2100	1.5	663	65	15	79	4875	479
RB-4115-C8-N-02	9.0V-16.0V	13.0V CONSTANT	2800	0.2	2300	1.6	714	70	17	80	5283	518
RB-4115-C8-N-03	6.0V-26.0V	18.0V CONSTANT	2600	0.13	2100	1	663	65	15	80.57	4875	479
RB-4115-C8-N-04	6.0V-26.0V	24.0V CONSTANT	2600	0.14	2100	0.75	663	65	15	79.58	4875	479

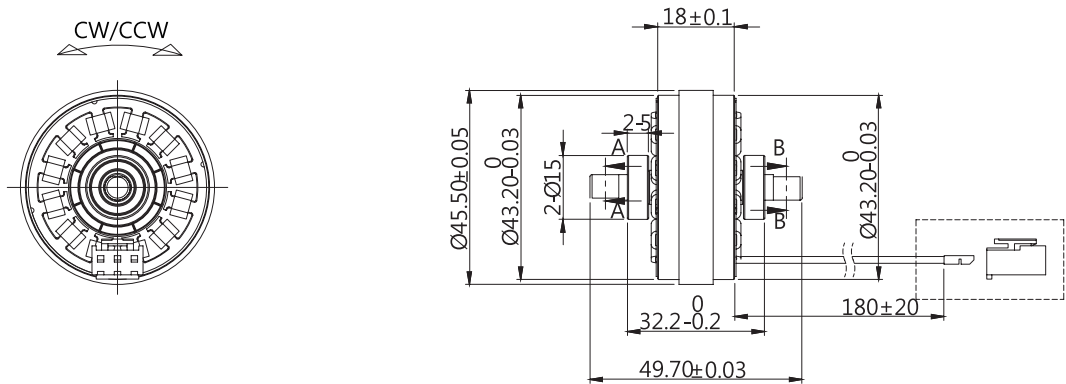
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

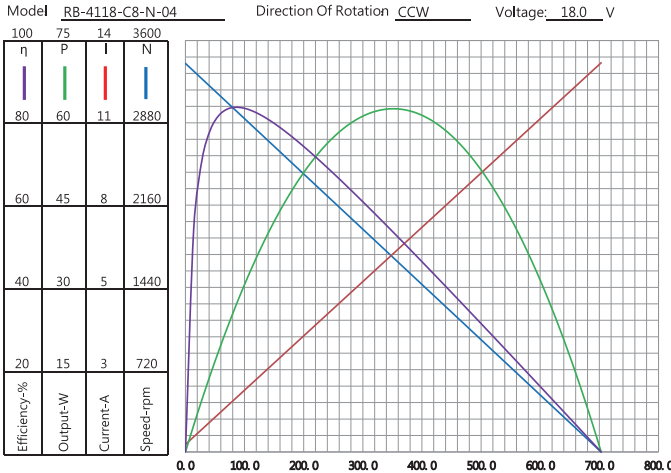
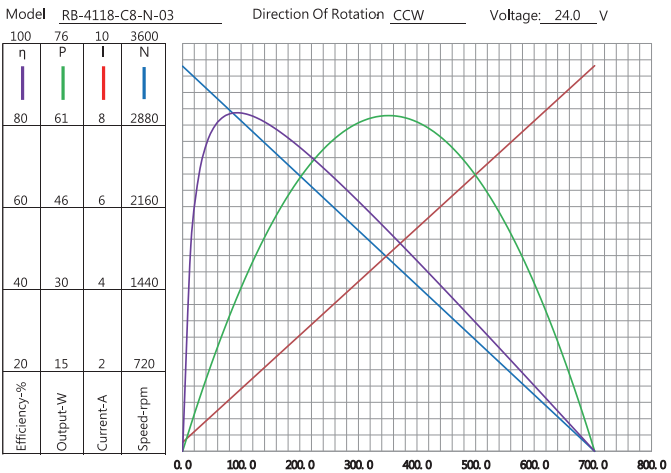
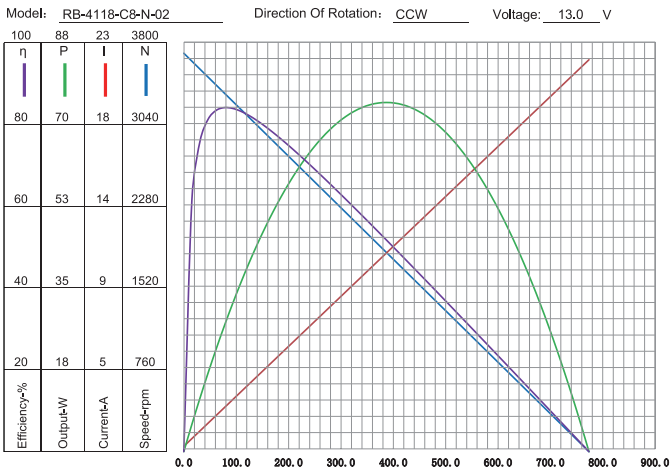
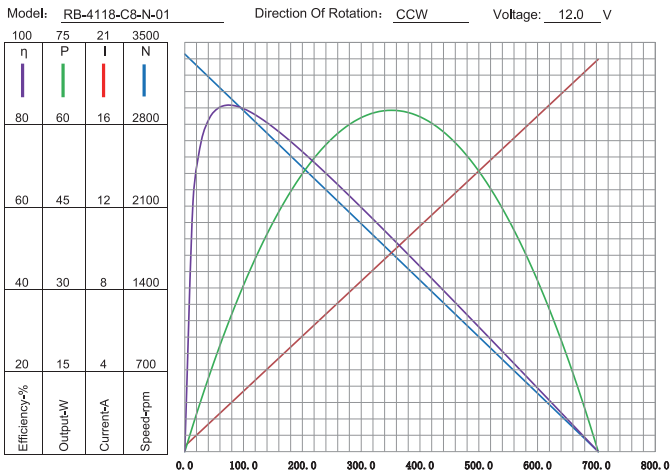
RB-4118-C8

Einsatz:
Beatmungsgeraete, Sauerstoffgeneratoren



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4118-C8-N-01	9.0V-16.0V	12.0V CONSTANT	3400	0.28	2800	3.7	1265	124	36	79	8731	856
RB-4118-C8-N-02	9.0V-16.0V	13.0V CONSTANT	3700	0.3	3070	4	1346	132	42	80	9486	930
RB-4118-C8-N-03	6.0V-26.0V	24.0V CONSTANT	3400	0.22	2800	1.85	1265	124	36	82.92	8731	856
RB-4118-C8-N-04	6.0V-26.0V	18.0V CONSTANT	3400	0.25	2800	2.46	1265	124	36	83.67	8731	856

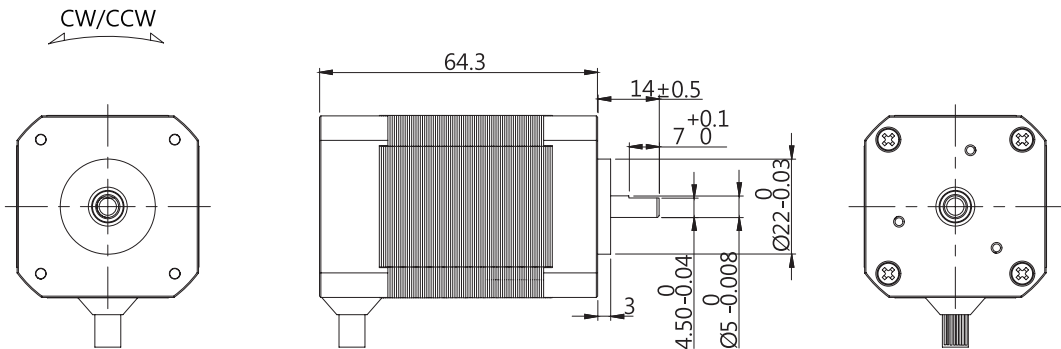
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

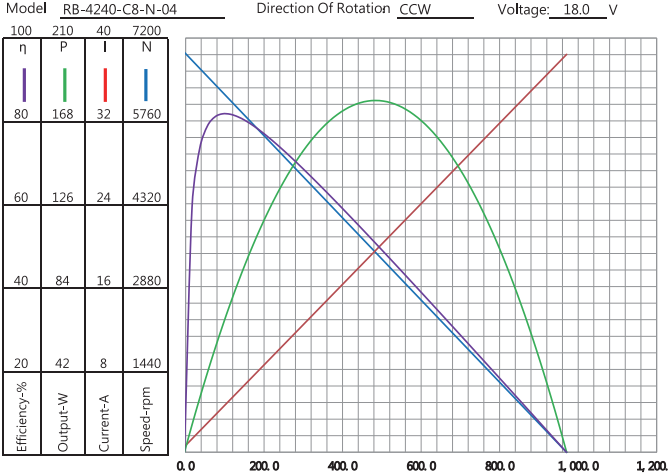
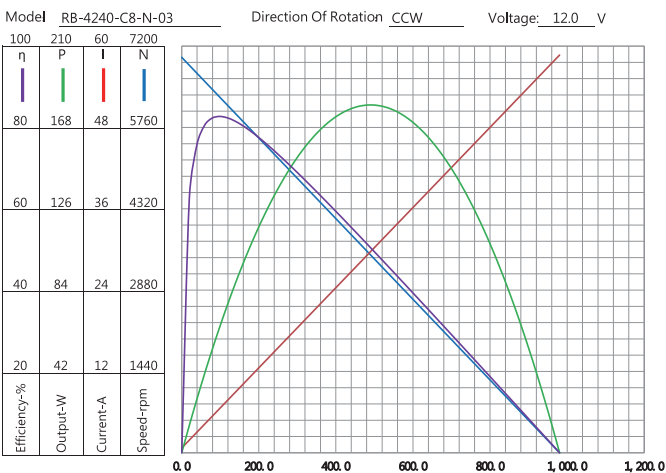
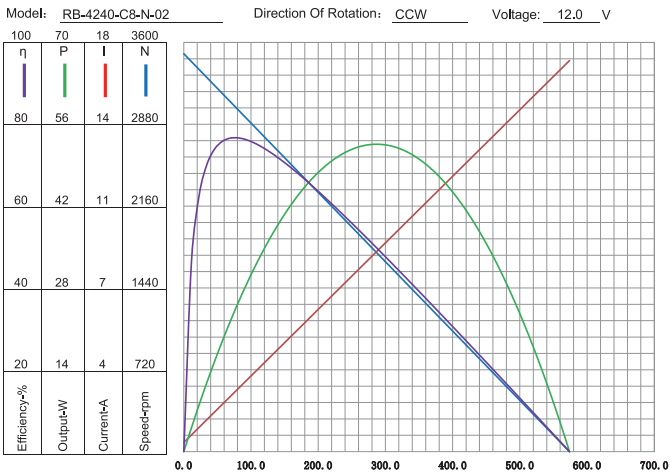
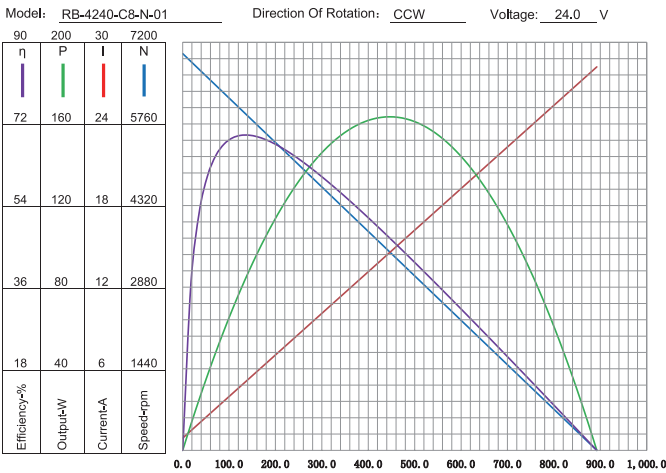
RB-4240-C8

Einsatz:
Rasenmaeher, Serviceroboter, Schnellzentrifugen, Kuechenmaschinen, Saugroboter



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4240-C8-N-01	9.0V-26.0V	24.0V CONSTANT	7000	0.6	6000	4.5	1428	140	88	81	14400	1413
RB-4240-C8-N-02	9.0V-26.0V	12.0V CONSTANT	3500	0.4	3000	2.8	836	82	26	77	7190	705
RB-4240-C8-N-03	9.0V-26.0V	12.0V CONSTANT	7000	0.72	6000	9	1428	140	88	81	14400	1413
RB-4240-C8-N-04	9.0V-26.0V	18.0V CONSTANT	7000	0.55	6000	6	1428	140	88	81	14400	1413

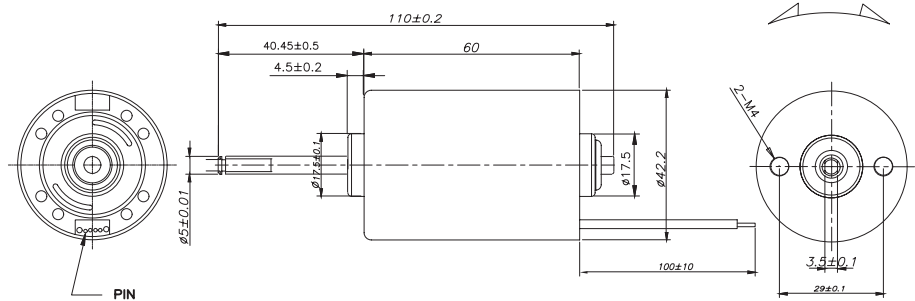
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

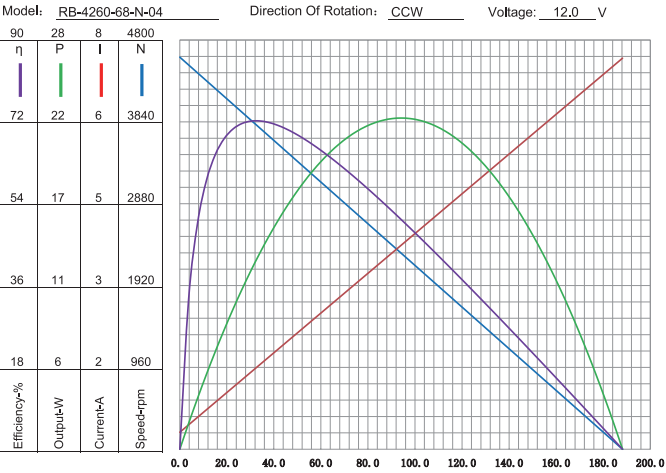
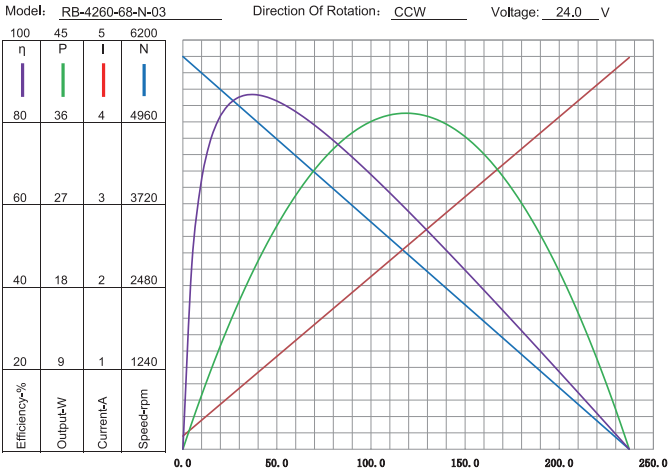
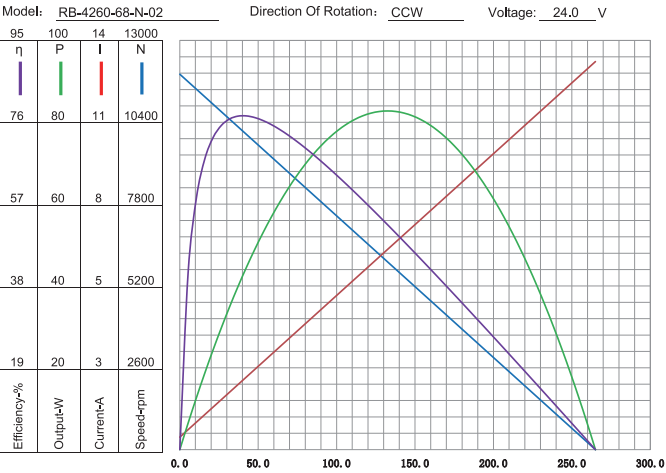
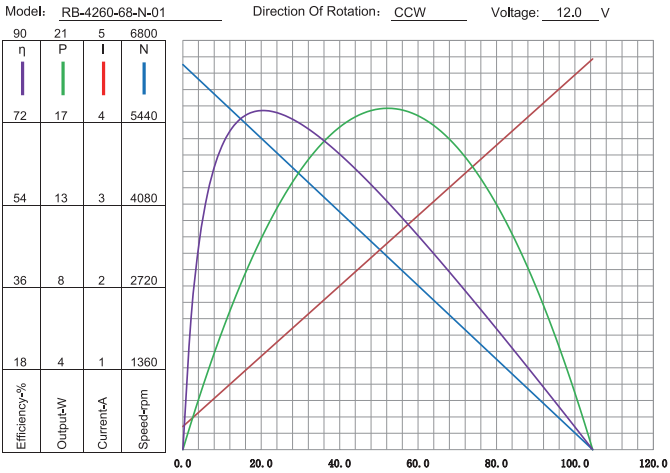
RB-4260-68

Einsatz:
Kuechenm., Zentrifugen, Mikropumpen, OP-Antriebe, Heizungen,
Pumpen, Luefter, Aktuatoren, Kompressoren, Werkzeuge, Projektoren, Automaten,
Buero-Druckgeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m			g.cm	mN-m
RB-4260-68-N-01	9.0V-14.0V	12.0V CONSTANT	6400	0.3	5150	1.23	208.2	20.41	11	74.1	1066.7	104.58
RB-4260-68-N-02	19.0V-26.0V	24.0V CONSTANT	11930	0.41	10005	2.14	436.1	42.75	44.9	87.4	2774.4	272
RB-4260-68-N-03	19.0V-26.0V	24.0V CONSTANT	5950	0.17	5028	0.93	374.8	36.75	19.3	86.9	2418.7	237.13
RB-4260-68-N-04	8.0V-26.0V	12.0V CONSTANT	4600	0.31	3500	1.95	459	45	16.54	85.6	1934.94	189.7

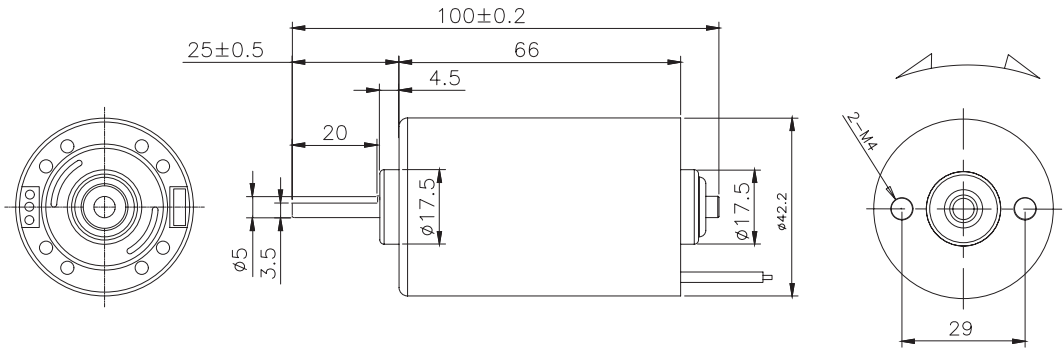
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

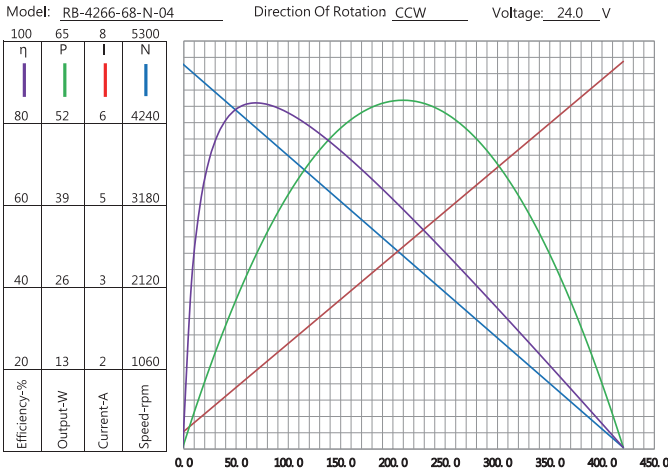
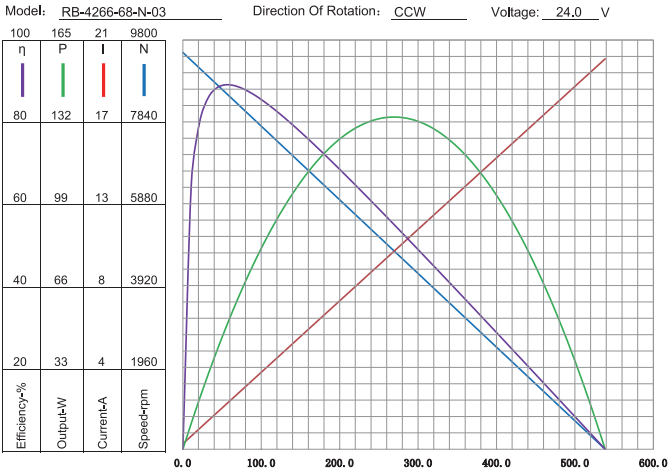
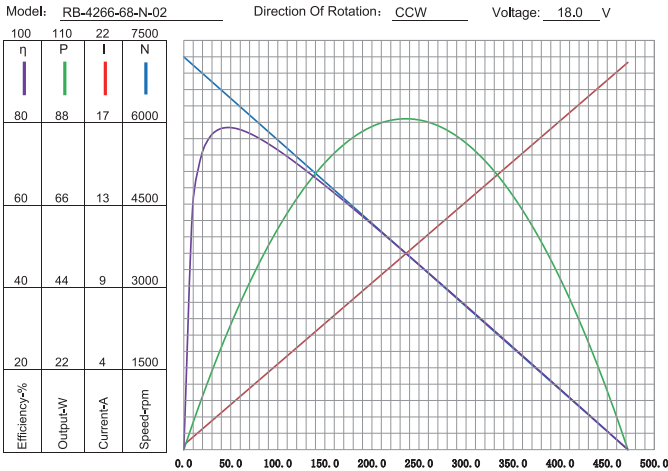
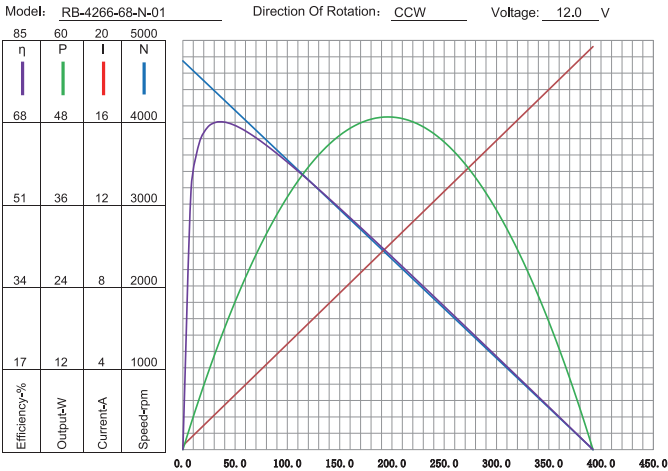
RB-4266-68

Einsatz:
Kuechenm., Zentrifugen, Mikropumpen, OP-Antriebe, Heizungen,
Pumpen, Luefter, Aktuatoren, Kompressoren, Werkzeuge, Projektoren, Automaten,
Buero-Druckgeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4266-68-N-01	9.0V-26.0V	12.0V CONSTANT	4750	0.2	3800	4.1	800	78	38	80	7300	720
RB-4266-68-N-02	9.0V-26.0V	18.0V CONSTANT	7200	0.25	6000	3.6	802	80	54	83	11000	1080
RB-4266-68-N-03	9.0V-26.0V	24.0V CONSTANT	9500	0.28	8000	3.4	867	85	72	85	14680	1440
RB-4266-68-N-04	9.0V-26.0V	24.0V CONSTANT	5000	0.3	3150	3	1600	156.86	30.72	84.78	424.07	41.58

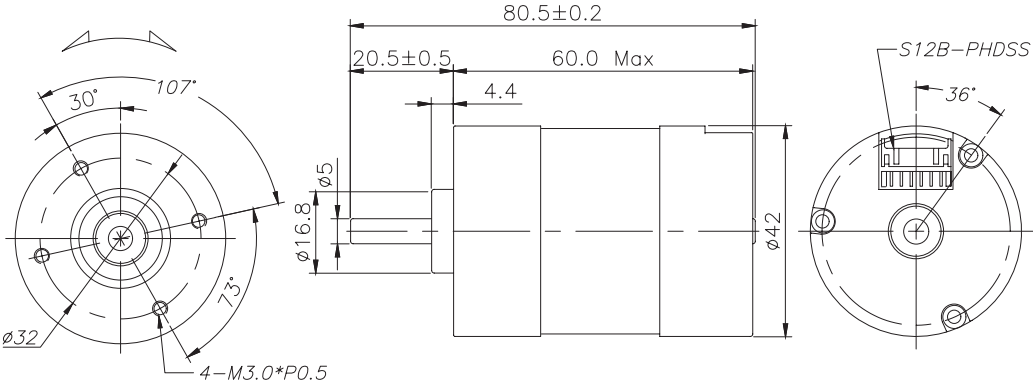
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

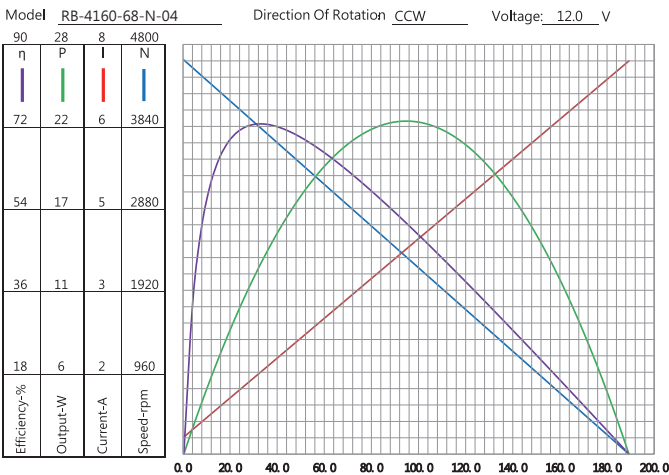
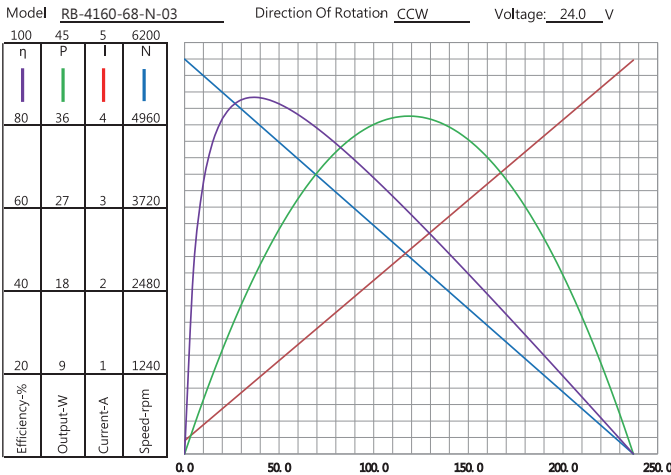
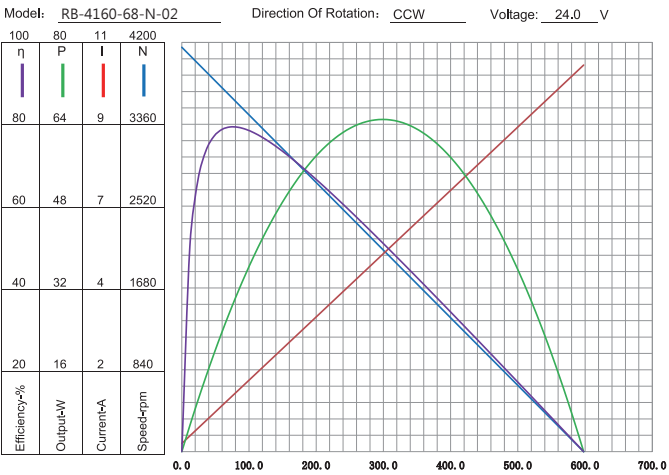
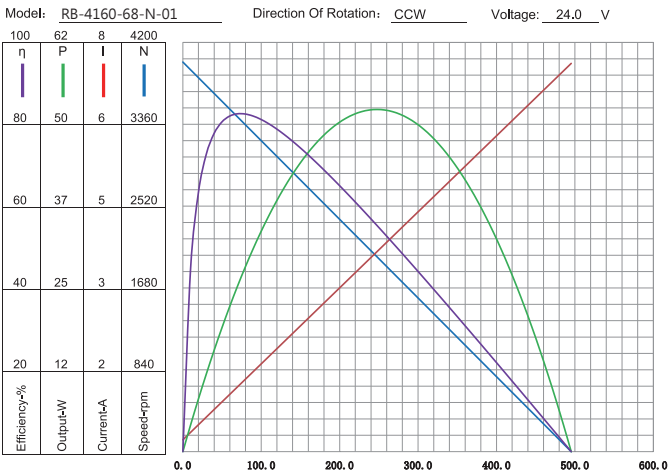
RB-4160-68

Einsatz:
Kuechenm., Zentrifugen, Mikropumpen, OP-Antriebe, Heizungen,
Pumpen, Luefter, Aktuatoren, Kompressoren, Werkzeuge, Projektoren, Automaten,
Buero-Druckgeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4160-68-N-01	12.0V-26.0V	24.0V CONSTANT	3998	0.23	3406	1.32	748	73.33	26.17	82.3	5052.8	495.37
RB-4160-68-N-02	12.0V-26.0V	24.0V CONSTANT	4150	0.22	3587	1.6	827	81.08	30.5	79.28	6102.9	598.32
RB-4160-68-N-03	12.0V-26.0V	12.0V CONSTANT	4000	0.42	3240	2.9	800	78.43	22.07	77.31	412.91	40.48
RB-4160-68-N-04	12.0V-26.0V	24.0V CONSTANT	5800	0.34	5100	1.4	500	49	33.48	79.21	406.28	39.83

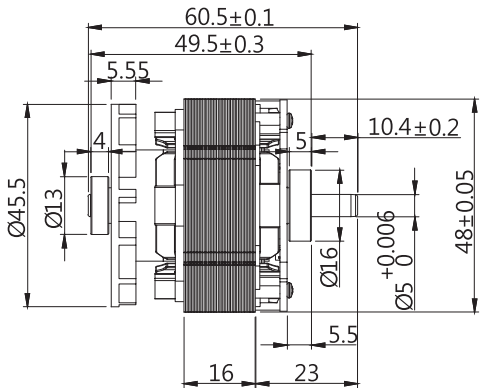
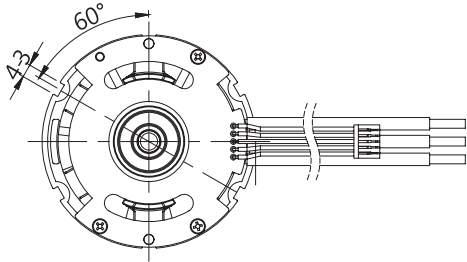
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

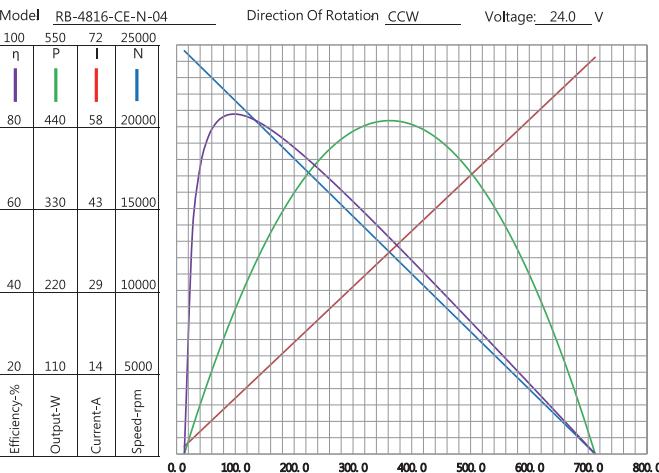
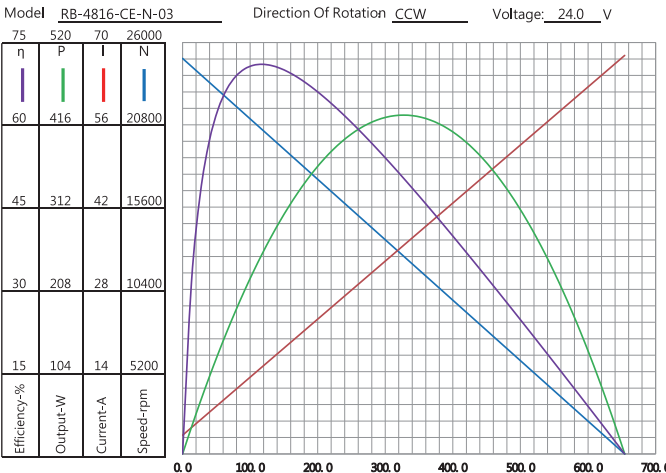
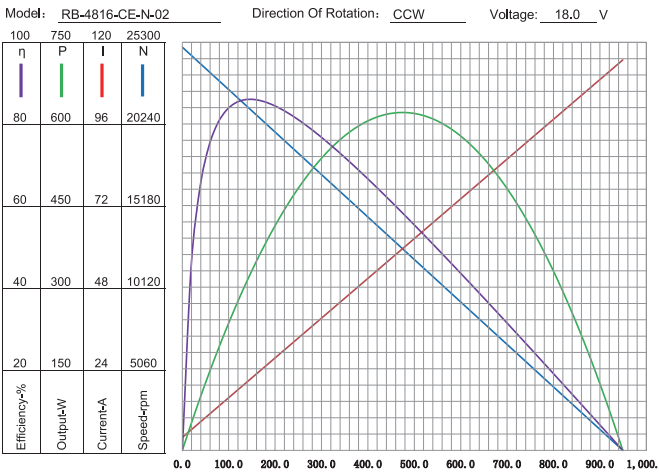
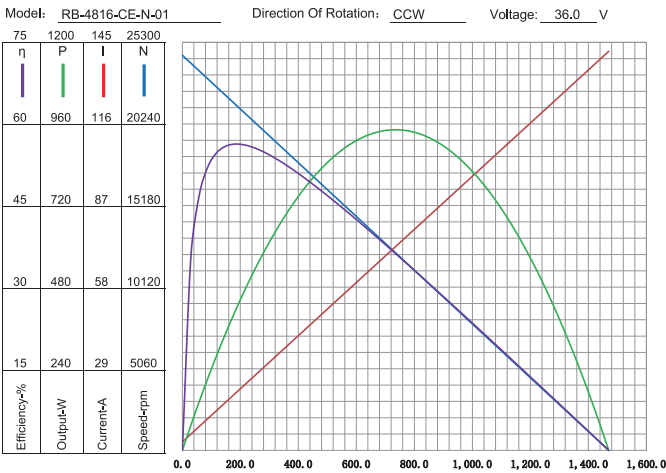
RB-4816-CE

Einsatz:
Elektrowerkzeuge, Kuechenmaschinen



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4816-CE-N-01	24.0V-40.0V	36.0V CONSTANT	24500	1.2	18500	10.5	1735	170	330	85	27250	2672
RB-4816-CE-N-02	12.0V-21.0V	18.0V CONSTANT	25000	3.8	19100	30	2284	224	448	83	26800	2628
RB-4816-CE-N-03	12.0V-26.0V	24.0V CONSTANT	25000	3.2	18500	20	1735	170	330	70.95	27250	2672
RB-4816-CE-N-04	12.0V-26.0V	24.0V CONSTANT	24500	1.32	18500	18	1735	170	330	85	27250	2672

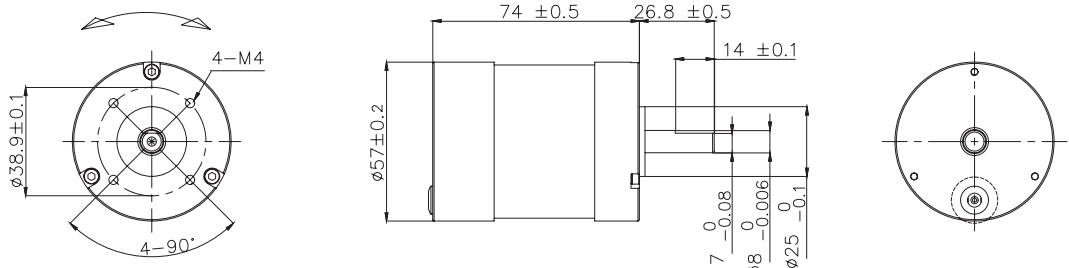
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

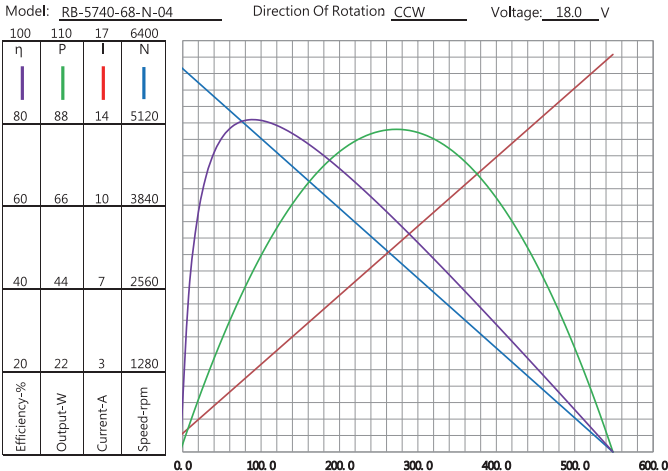
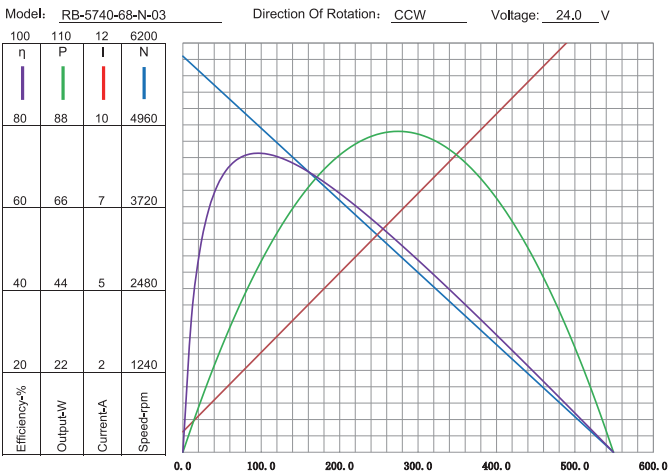
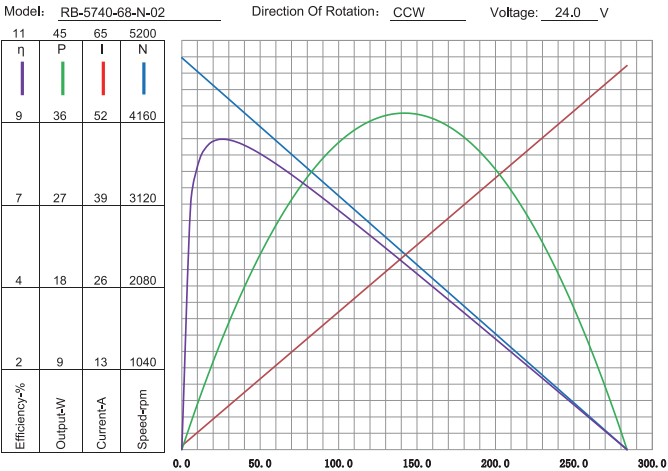
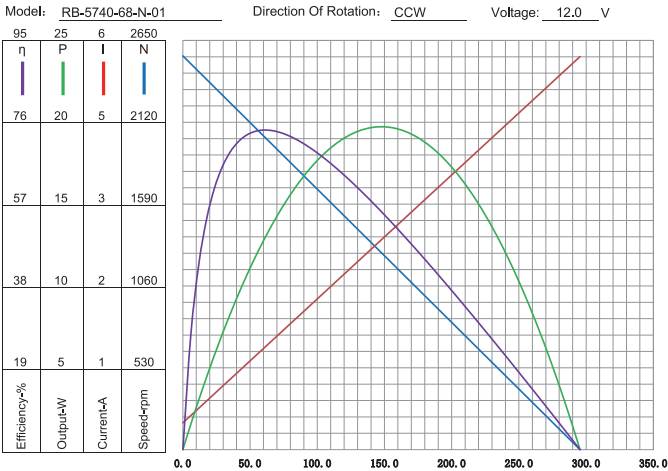
RB-5740-68

Einsatz:
Rasenmaeher, Serviceroboter, Labor-Schnellzentrifugen, Kuechenmaschinen



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-5740-68-N-01	6.0-15.0V	12.0V CONSTANT	2550	0.38	2370	3.05	131.3	12.87	65	83.8	1445.6	141.73
RB-5740-68-N-02	8.0-26.0V	24.0V CONSTANT	4980	0.62	4524	6.15	265.1	25.99	125.7	85.1	2895.3	283.85
RB-5740-68-N-03	18.0-26.0V	24.0V CONSTANT	6000	0.6	5250	2.2	700	68.63	49	73	2800.82	274.59
RB-5740-68-N-04	18.0V-26.0V	18.0V CONSTANT	6000	0.67	5250	2.64	700	68.63	49	73	2800.82	274.59

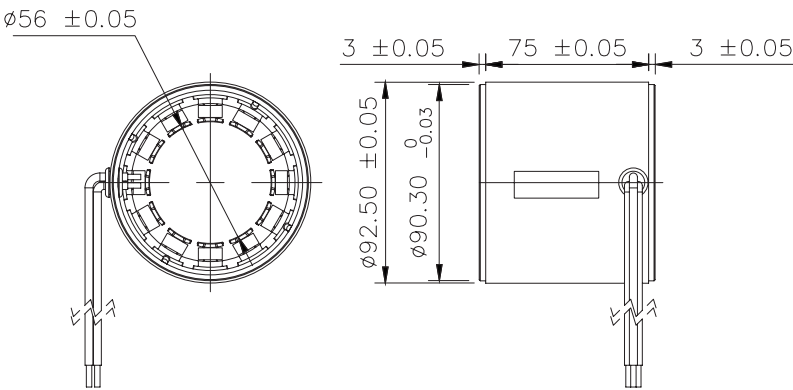
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

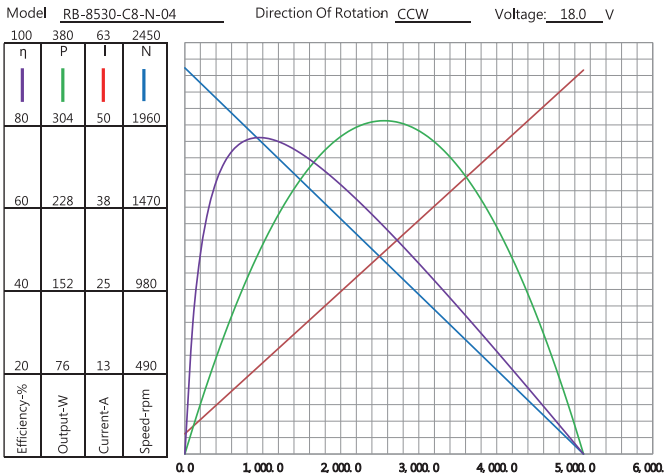
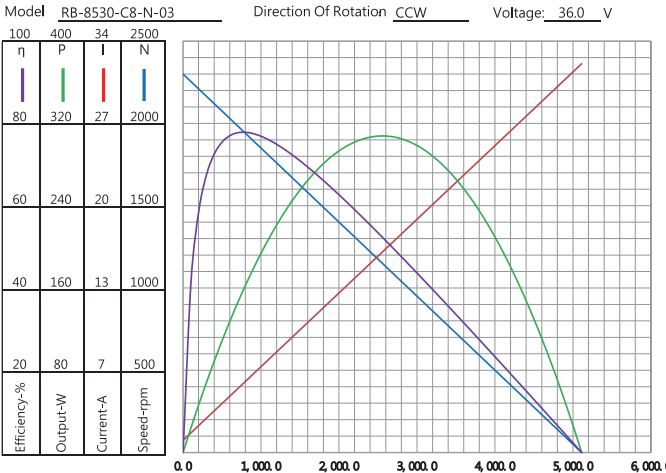
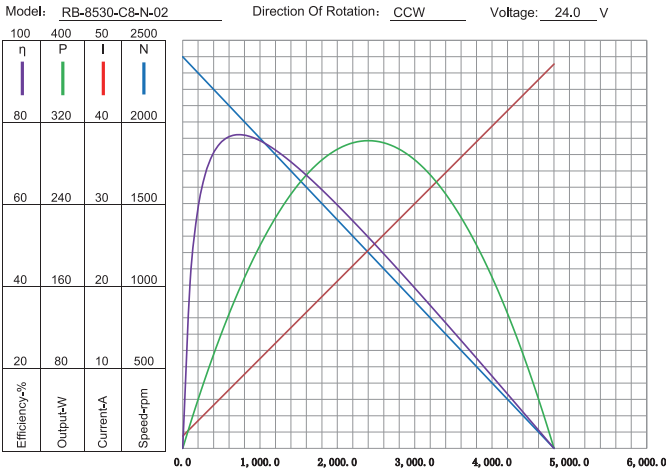
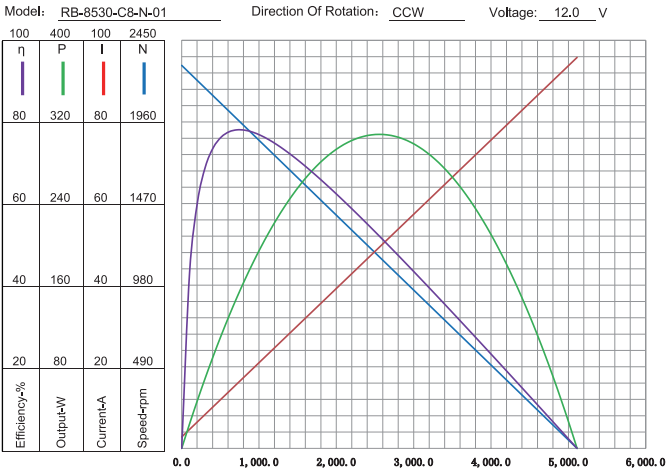
RB-8530-C8

Einsatz:
Sauerstoffgenerator



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-8530-C8-N-01	12.0-26.0V	12.0V CONSTANT	2300	2.8	1850	21	10200	1000	205	79	89800	8810
RB-8530-C8-N-02	12.0-26.0V	24.0V CONSTANT	2400	1.5	1900	11	10200	1000	210	80	115770	11350
RB-8530-C8-N-03	24.0V-40.0V	36.0V CONSTANT	2300	1	1850	7	10200	1000	210	80	115770	11350
RB-8530-C8-N-04	6.0V-26.0V	18.0V CONSTANT	2300	3.1	1850	14	10200	1000	205	76.84	89800	8810

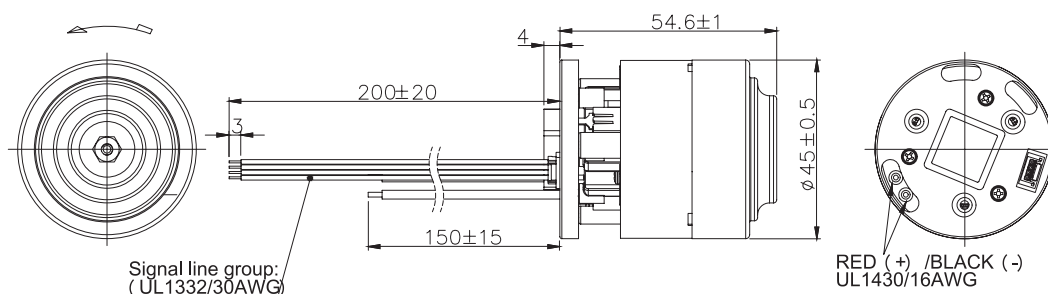
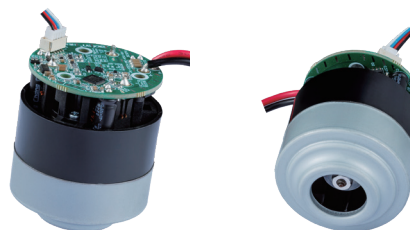
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

RB-4510-32

Einsatz:
Staubsauger

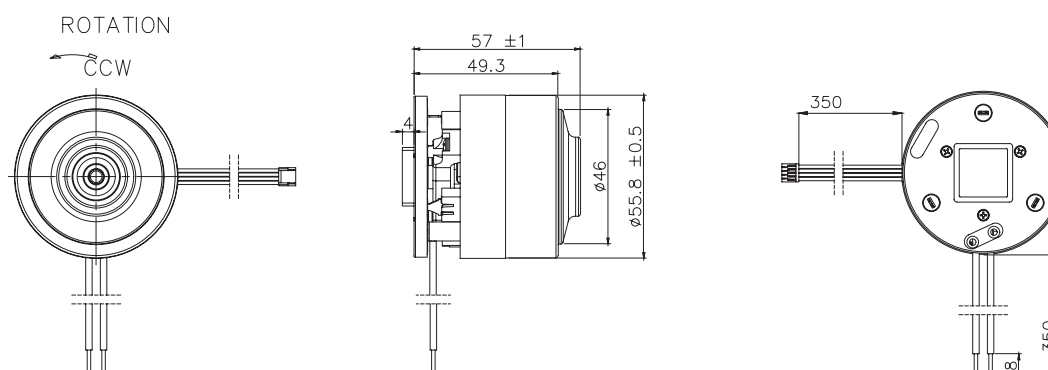
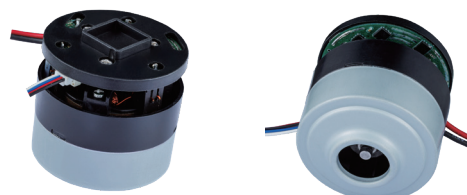


MODEL	PERFORMANCE PARAMETER					
	OPERATING RANGE"	NOMINAL	SPEED	CURRENT	EFFICIENCY	OUTPUT
			rpm	A	%	W
RB-4510C05-32-N-01	6.0V-9.0V	7.2V CONSTANT	65000±3000	11	≥50	80
RB-4510C01-32-N-02	9.0V-16.0V	10.8V CONSTANT	80000±3000	12	≥50	130
RB-4510C03-32-N-03	9.0V-16.0V	12.0V CONSTANT	80000±3000	10	≥50	130
RB-4510C02-32-N-04	12.0V-17.0V	14.4V CONSTANT	93500±3000	17	≥50	240

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

RB-5510-32

Einsatz:
Staubsauger



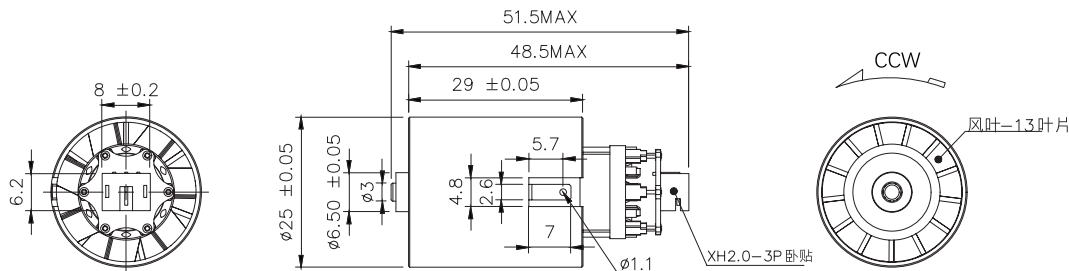
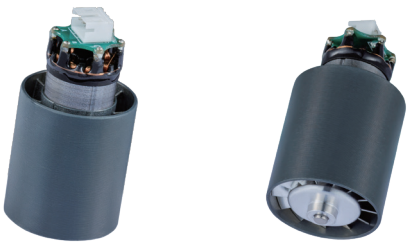
MODEL	PERFORMANCE PARAMETER					
	OPERATING RANGE"	NOMINAL	SPEED	CURRENT	EFFICIENCY	OUTPUT
			rpm	A	%	W
RB-5510-32-N-01	17.0V-26.0V	18.0V CONSTANT	80000±3000	21.1	≥50	380
RB-5510-32-N-02	17.0V-26.0V	21.6V CONSTANT	80000±3000	17.5	≥50	380

Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

BLDC-Motor

RB-25-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluuefter

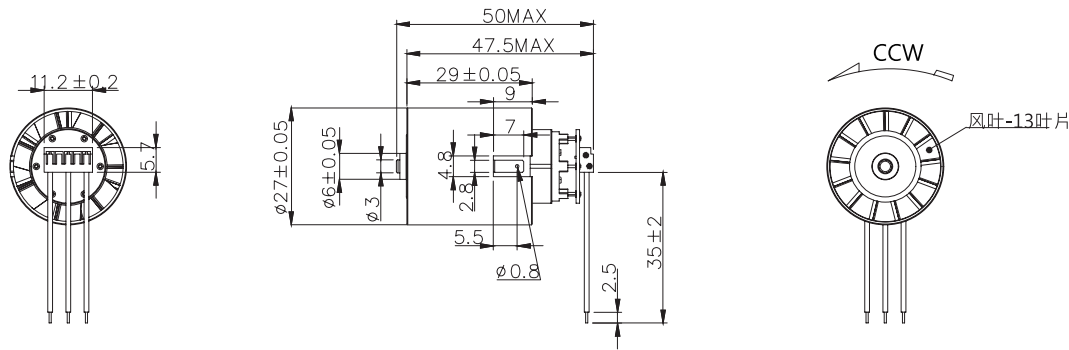
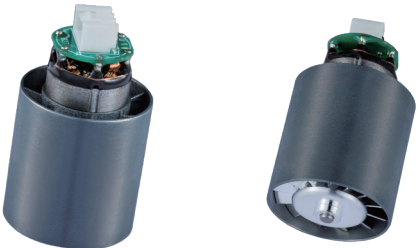


MODEL	OPERATING RANGE"	NOMINAL	PERFORMANCE PARAMETER			
			SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-25-62-N-01	90.0-120.0V	100.0V CONSTANT	120000 $\pm$ 5000	1.8	≥ 50	120
RB-25-62-N-02	180.0-260.0V	220.0V CONSTANT	120000 $\pm$ 5000	1.3	≥ 50	120

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

RB-27-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluuefter



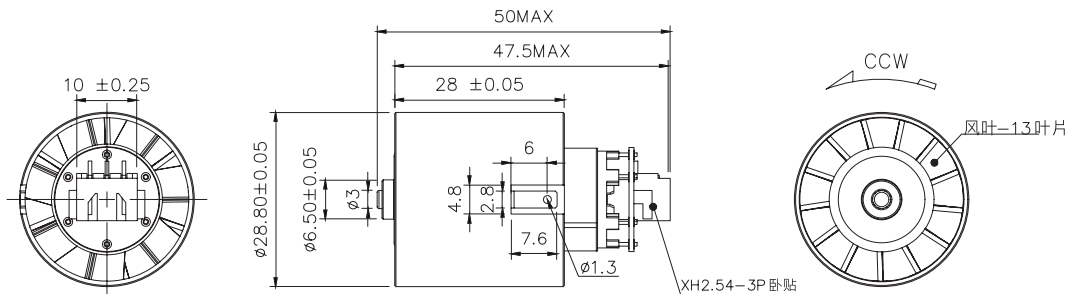
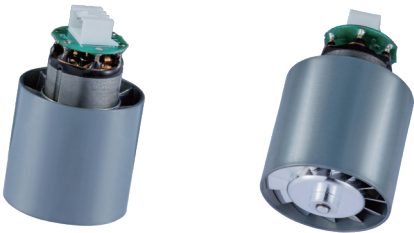
MODEL	OPERATING RANGE"	NOMINAL	PERFORMANCE PARAMETER			
			SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-27-62-N-01	90.0-120.0V	100.0V CONSTANT	120000 $\pm$ 5000	1	≥ 50	120
RB-27-62-N-02	180.0-240.0V	220.0V CONSTANT	120000 $\pm$ 5000	1.5	≥ 50	120
RB-27-62-N-03	9.0V-16.0V	12.0V CONSTANT	120000 $\pm$ 5000		≥ 50	120
RB-27-62-N-04	6.0V-9.0V	7.2V CONSTANT	120000 $\pm$ 5000		≥ 50	150

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

BLDC-Motor

RB-29-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluuefter

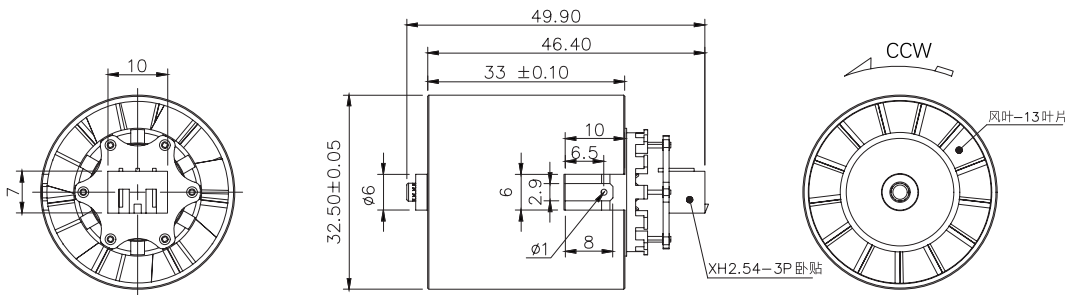
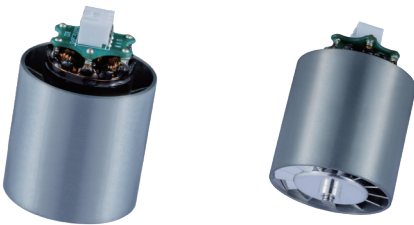


MODEL	PERFORMANCE PARAMETER					
	OPERATING RANGE"	NOMINAL	SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-29-62-N-01	90.0V-120.0V	100.0V CONSTANT	110000±5000	2	≥50	100
RB-29-62-N-02	180.0V-260.0V	220.0V CONSTANT	110000±5000	1.5	≥50	100
RB-29-62-N-03	9.0V-16.0V	12.0V CONSTANT	120000±5000	12	≥50	150

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

RB-32-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluuefter



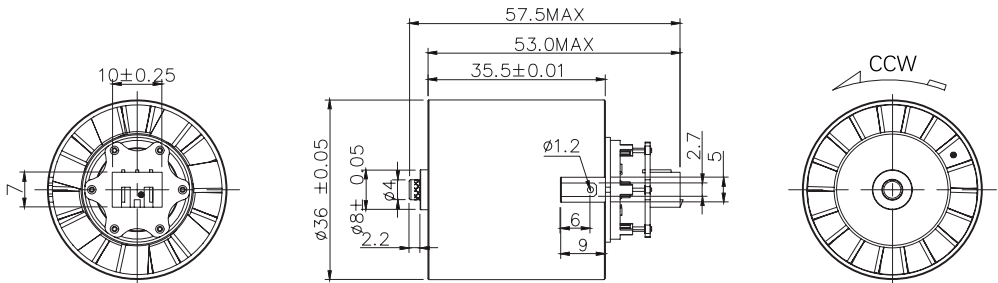
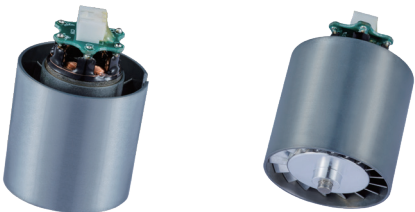
MODEL	PERFORMANCE PARAMETER					
	OPERATING RANGE"	NOMINAL	SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-32-62-N-01	180.0V-240.0V	220.0V CONSTANT	90000±5000	1.3	≥50	150
RB-32-62-N-02	90.0V-120.0V	100.0V CONSTANT	90000±5000	2	≥50	150

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

BLDC-Motor

RB-36-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluether

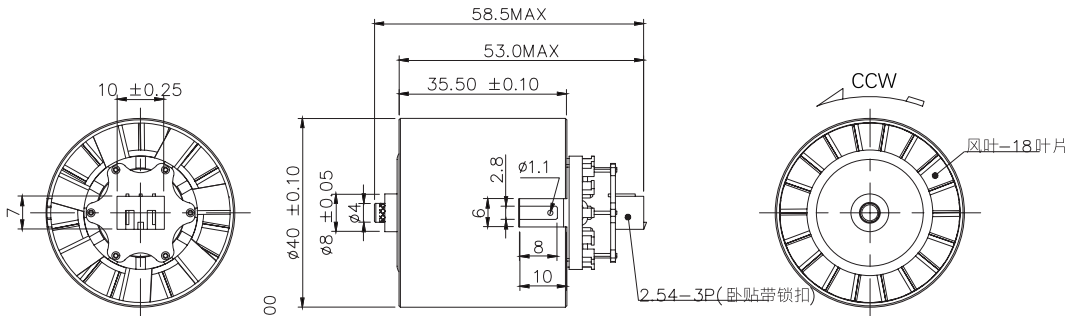
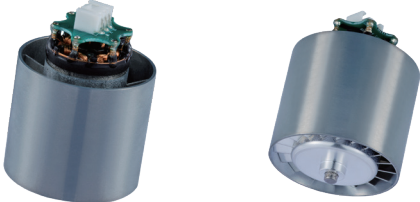


MODEL	OPERATING RANGE"	NOMINAL	PERFORMANCE PARAMETER			
			SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-36-62-N-01	190.0-240.0V	220.0V CONSTANT	80000±5000	1.5	≥50	150
RB-36-62-N-02	190.0-140.0V	120.0V CONSTANT	80000±5000	2.3	≥50	150

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

RB-40-62

Einsatz:
Mobile Luefter, Hochgeschwindigkeitsfoehne, Industrie-Kuehlluether



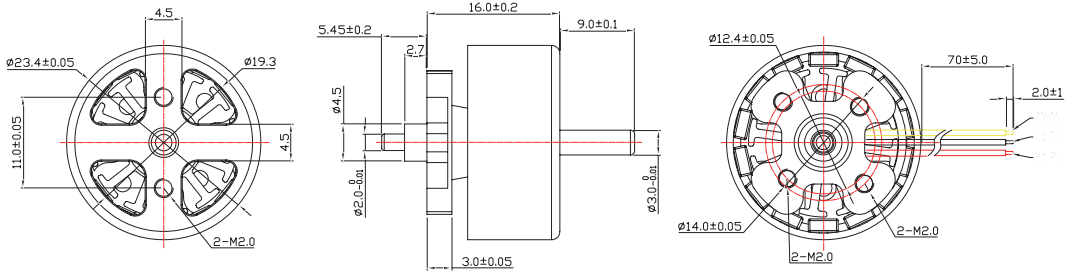
MODEL	OPERATING RANGE"	NOMINAL	PERFORMANCE PARAMETER			
			SPEED rpm	CURRENT A	EFFICIENCY %	OUTPUT W
RB-40-62-N-01	180.0-240.0V	220.0V CONSTANT	80000±5000	1.6	≥50	160
RB-40-62-N-02	90.0V-120.0V	100.0V CONSTANT	80000±5000	2.5	≥50	160

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

BLDC-Motor

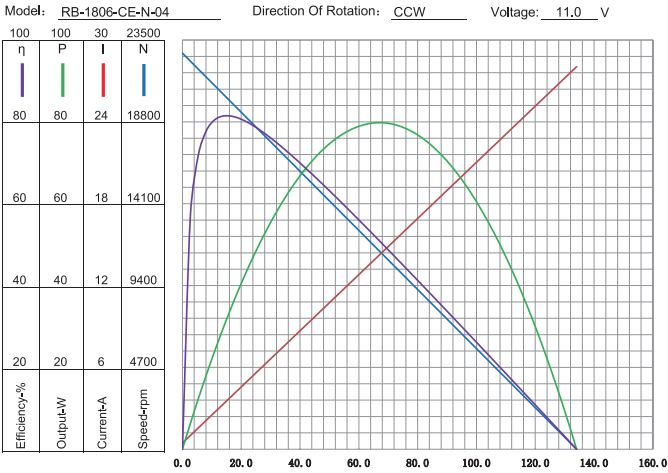
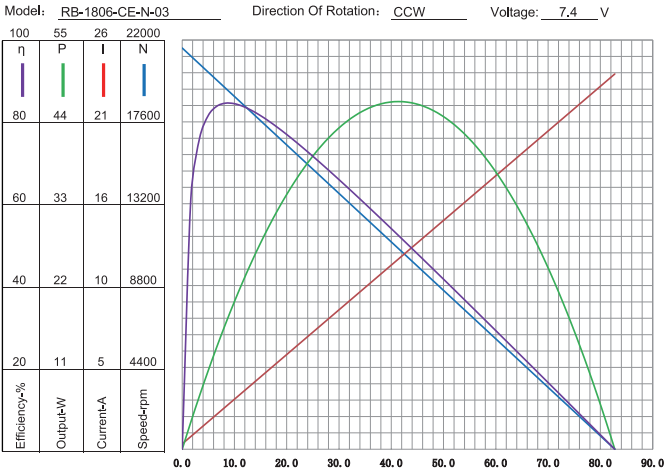
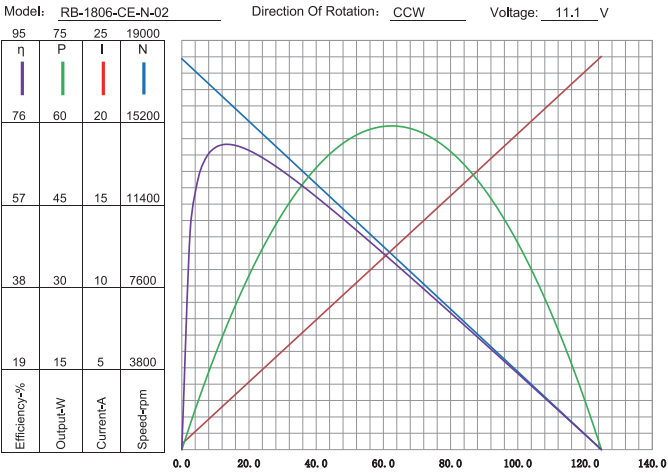
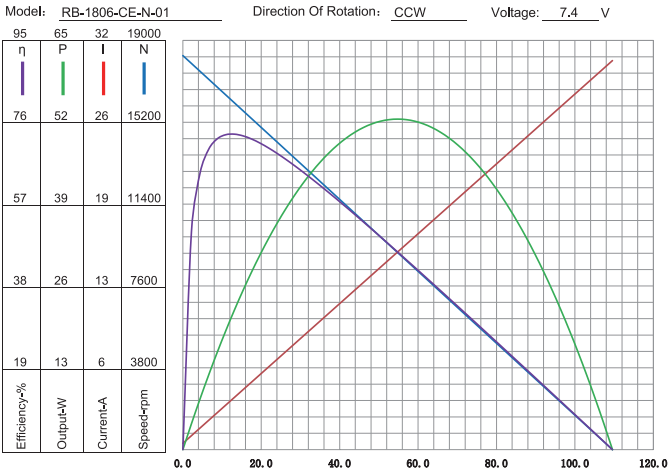
RB-1806-CE

Einsatz:
Drohnen, Luftpumpen, Werkzeuge, Smart-Home, Luefter, E-Vorhaenge, Smart-E-Fahrzeuge,
Kinder-Elektrofahrzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-1806-CE-N-01	5.0V-8.4V	7.4V CONSTANT	18300	0.5	15555	4.99	167.6	16.4	26.73	73.2	1117.1	109.5
RB-1806-CE-N-02	5.0V-13.1V	11.1V CONSTANT	18150	0.35	15428	3.9	191	18.7	30	70	1272	124.7
RB-1806-CE-N-03	5.0V-8.4V	7.4V CONSTANT	21573	0.337	19313	2.88	88.4	8.7	17.9	84	843	82.6
RB-1806-CE-N-04	5.0V-13.1V	11.1V CONSTANT	22747	0.45	20184	3.56	154	15	32.5	82	1367	134

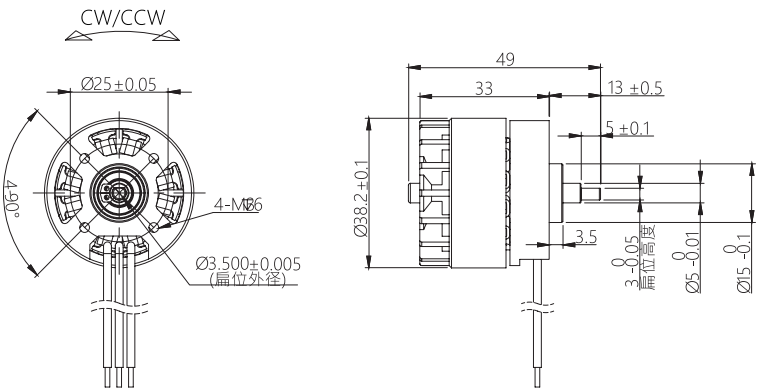
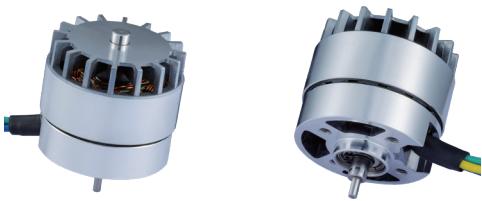
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

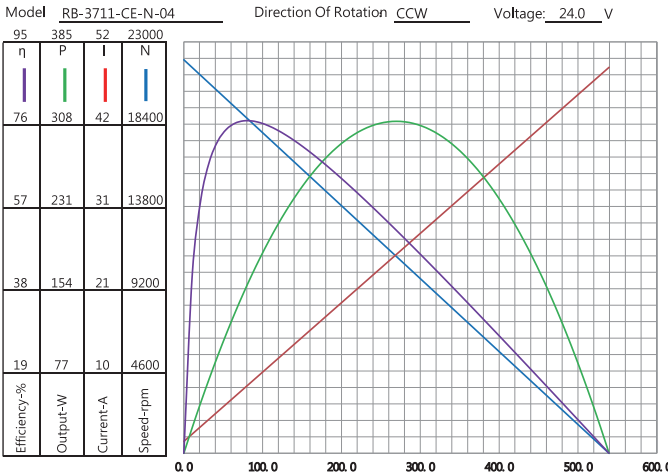
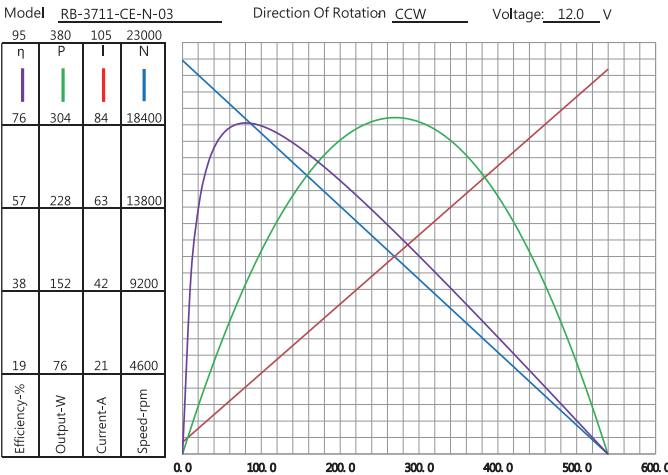
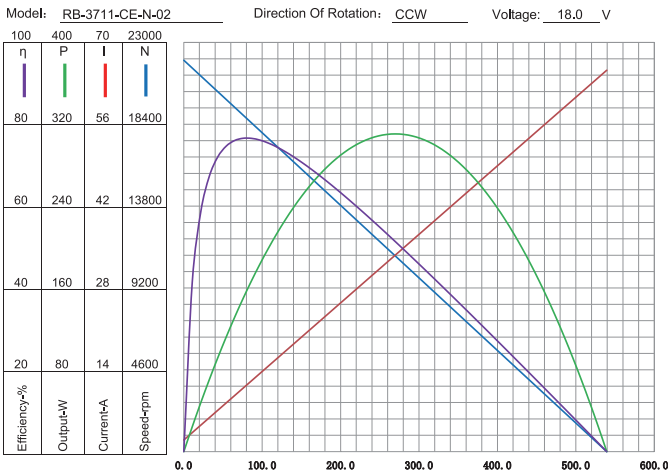
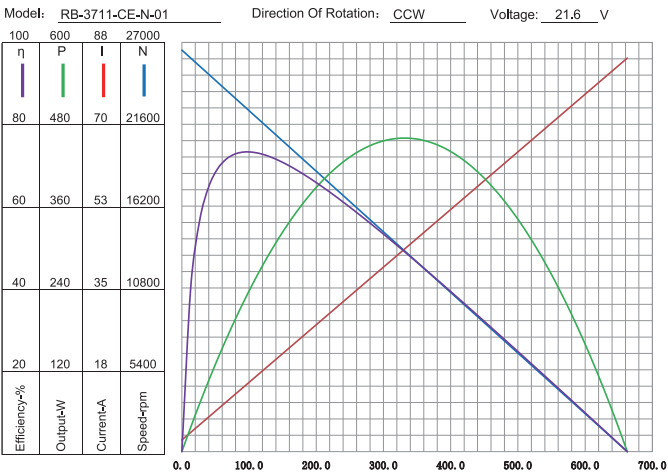
RB-3711-CE

Einsatz:
Drohnen, Hochdruckreiniger, Smart-E-Fahrzeuge, intelligente Modellboote



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED rpm	CURRENT A	SPEED rpm	CURRENT A	TORQUE g.cm	TORQUE mN-m	OUTPUT W	EFF %	TORQUE g.cm	TORQUE mN-m
RB-3711-CE-N-01	18.0-26.0V	21.6V CONSTANT	26500	2.5	21500	18	1275	125	230	73	3379.67	331.34
RB-3711-CE-N-02	18.0-26.0V	18.0V CONSTANT	22000	2	18000	13.5	1000	98	185	76	2805	275
RB-3711-CE-N-03	12.0V-26.0V	12.0V CONSTANT	22000	3	18000	20.3	1000	98	185	76.34	2805	275
RB-3711-CE-N-04	18.0V-26.0V	24.0V CONSTANT	22000	1.5	18000	10.1	1000	98	185	76.71	2805	275

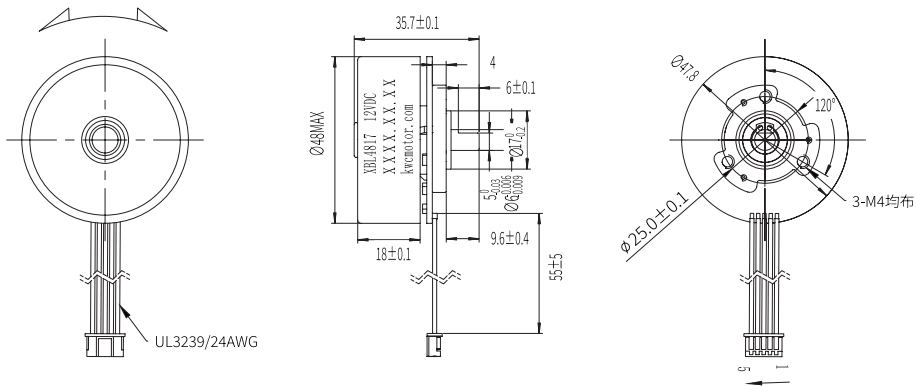
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



BLDC-Motor

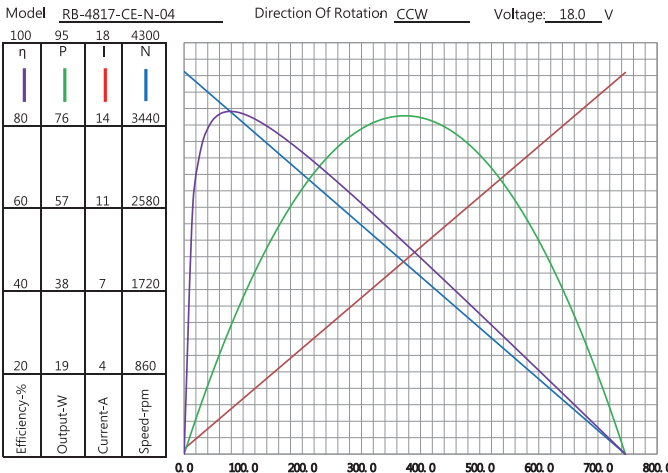
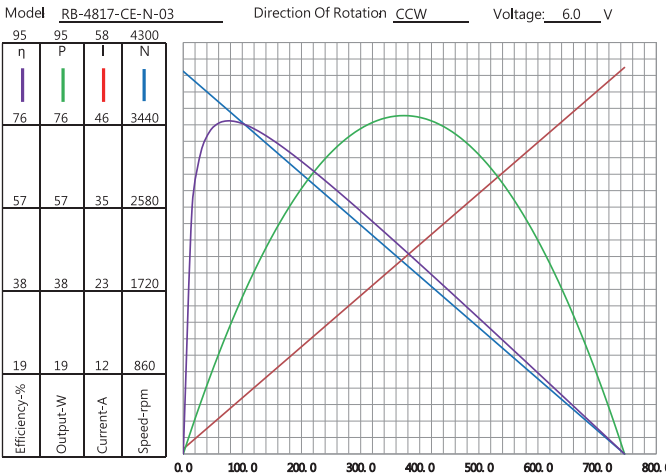
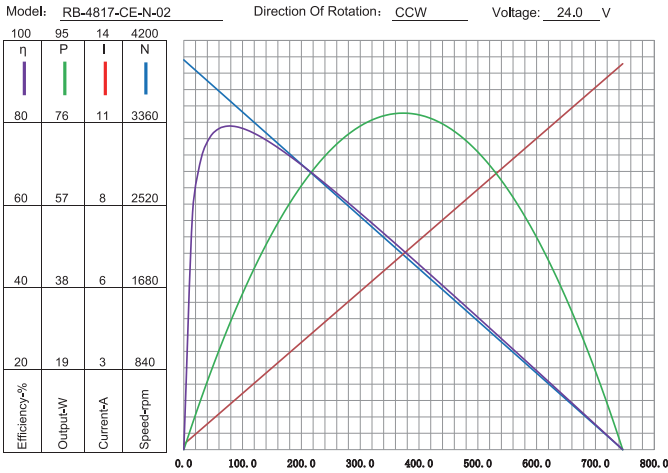
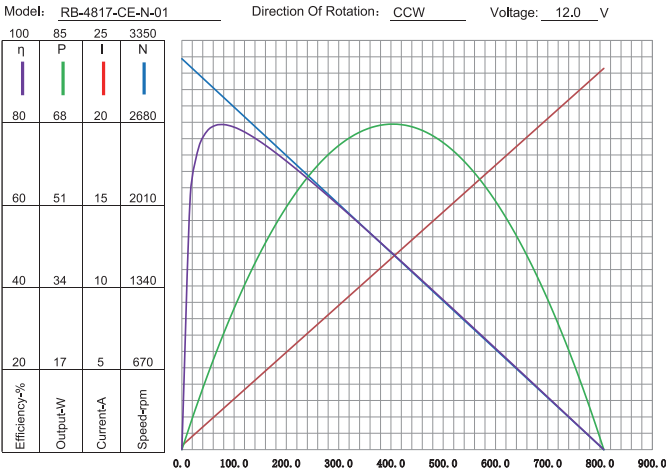
RB-4817-CE

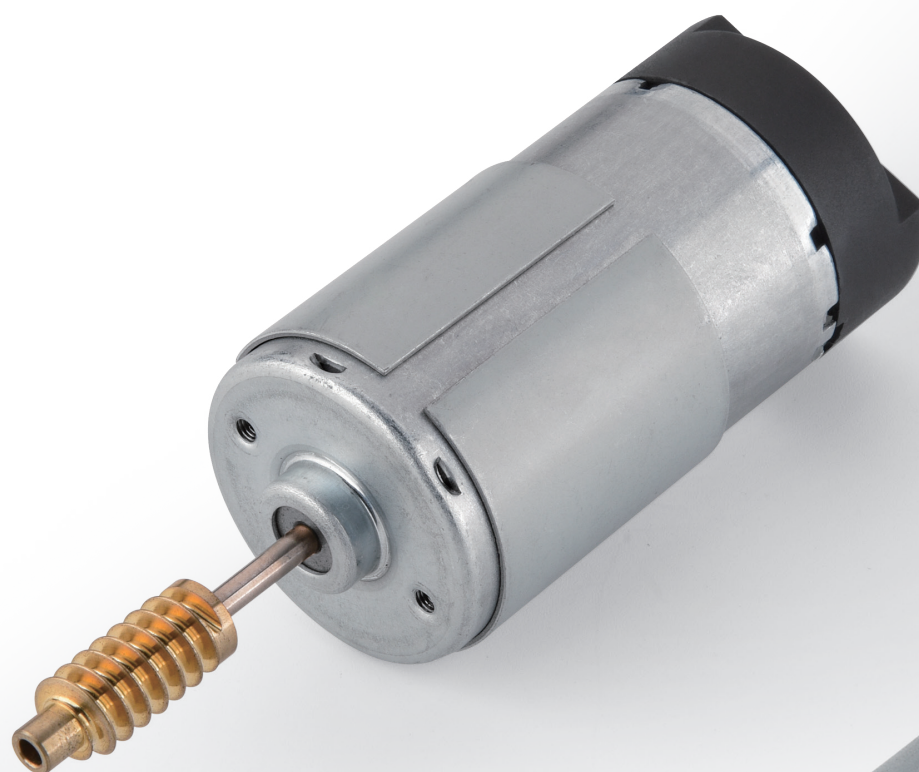
Einsatz:
Druckgeraete, Projektoren, Geldautomaten, Automaten, Aktenvernichter, Smart-Geraete,
Ventilatoren, Querstromluefter, Foehne, Massagegeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RB-4817-CE-N-01	9.0-16.0V	12.0V CONSTANT	3200	0.25	2857	2.72	882.3	86.5	25.8	79.1	11174.1	1095.5
RB-4817-CE-N-02	18.0-26.0V	24.0V CONSTANT	4000	0.18	3570	1.58	818.04	80.2	30	80.8	9931.74	973.7
RB-4817-CE-N-03	6.0V-26.0V	6.0V CONSTANT	4000	0.72	3570	6.5	818.04	80.2	30	80.8	9931.74	973.7
RB-4817-CE-N-04	6.0V-26.0V	18.0V CONSTANT	4000	0.23	3570	2	818.04	80.2	30	80.8	9931.74	973.7

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.





Buerstenmotor

Typenschlüssel Buerstenmotor

RS-28385DT-3564-VK□

1	2	3	4	5	6	7	8	9	10	11	12

Typenschlüssel:

1. Gehaeuseform: R: rund; F: flach; S: quadratisch

2. Buerstentyp: E: Metall; F: Edelmetall; K: Kohle; S: umgekehrte Kohle; C: Kohlehuese; U: Ultraschallmotor

3. Motoraussendurchmesser: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

4. Motorlaenge: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

5. Rotornuten: 0: eisenlos; 1-Z: Nutenzahl, 3:3; 5:5; 9:9; A:10; C:12; F:24

6. Magnettyp: C: Gummimagnet; R: isotrop Ring; T: isotrop Segment; B: geb. Seltenerd; N: gesintert; S-P: trocken anisotrop; D: nass anisotrop; V:6N nass; W:9N nass

7. Rueckdeckel: S: Kunststoff; T: Stahl; C: seitlicher Abgang; N: Stecktyp flach; L: Stecktyp rund; H: integrierte Induktivitaet

8. Wickeldrahtdurchmesser: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

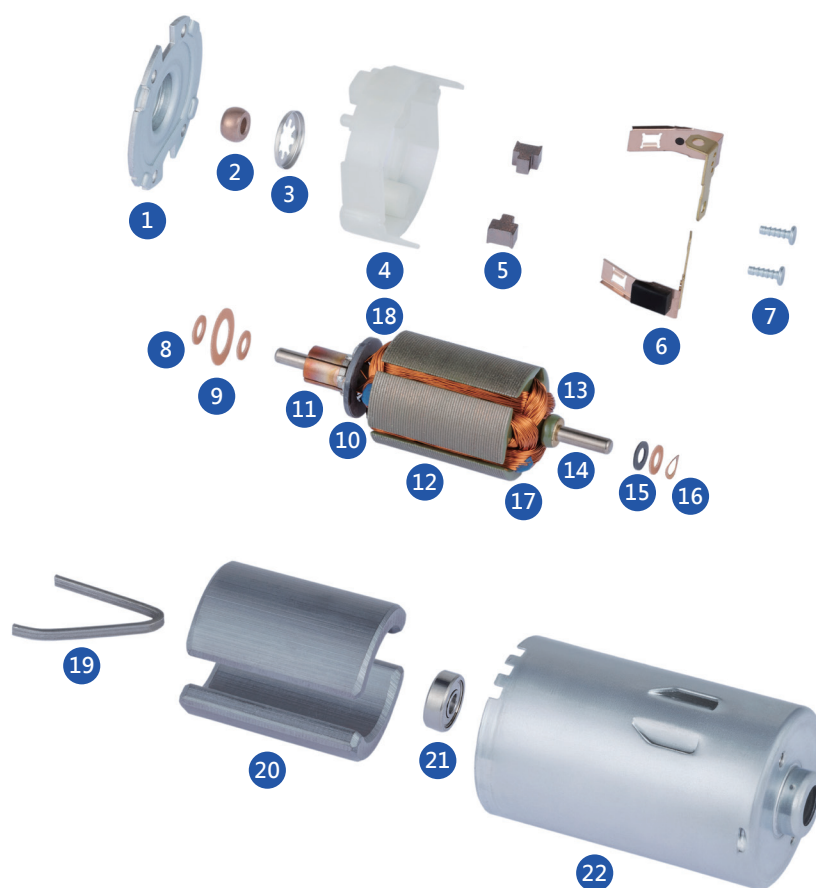
9. Windungszahl: 2-4 Stellen geben Windungen je Pol an

10. EMV-Massnahmen: V: Varistor; C: 3-Teile; E: 4/5-Teile; M: Sondermassnahmen; 3-Teile: + zwei Y-Kondensatoren; 4/5-Teile: + Induktivitaet; 5. Teil: X-Kondensator

11. Abtriebswelle: K: geraendelt; D: D-Schnitt; S: D-Schnitt; J: Stufenwelle; T: Gewinde; P: Riemenscheibe; G: Zahnrad; W: Schnecke; E: Exzenter; C: Buchse/Verbinder; N: glatte Welle

12. Kundenspezifische Nr.

Explosionszeichnung Buerstenmotor

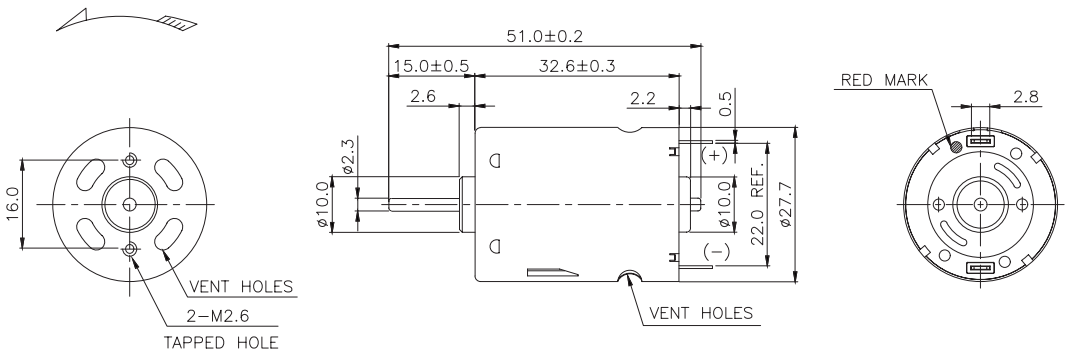
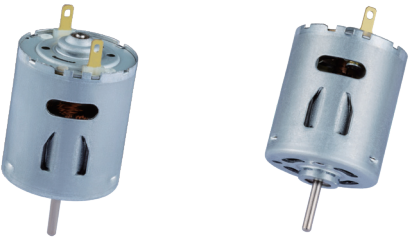


1 Stahldeckel	7 Niet	13 Isolierlack	19 Magnetstift
2 Sphaerisches Sinterlager	8 Scheibe	14 Welle	20 Magnet
3 Klemmring	9 Oelsperre	15 Einstellscheibe	21 Lager
4 Kunststoffteil	10 Varistor	16 Federscheibe	22 Stahlgehaeuse
5 Kohle	11 Anker	17 Ausgleichsmasse	
6 Buerstenbaugr.	12 Blechpaket	18 Kupferlackdraht	

Buerstenmotor

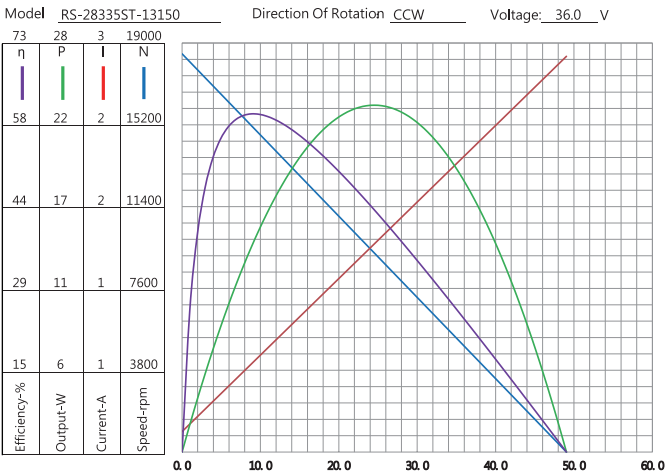
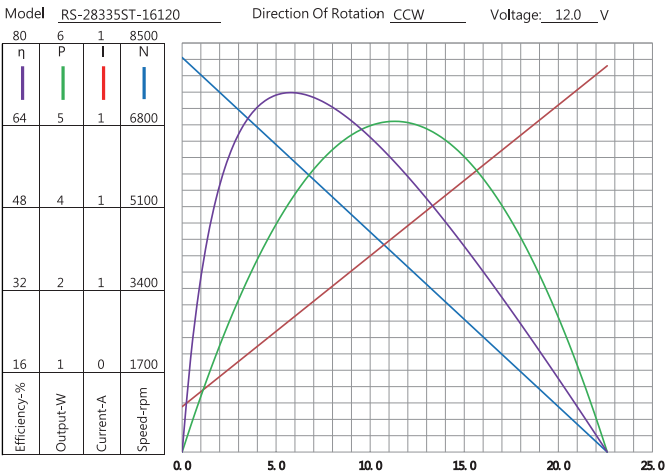
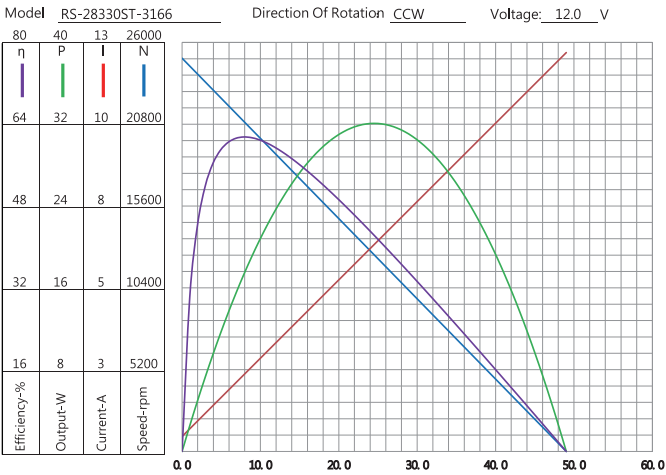
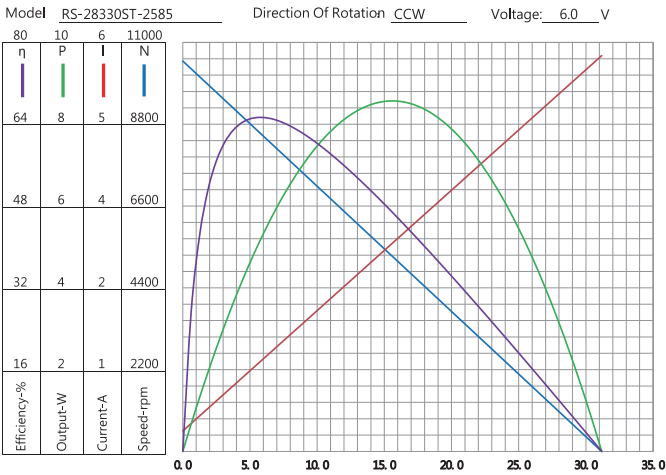
RS-2833ST

Einsatz:
Autowaschpumpen, Foehne, Haarschneider, Massage, Smart-Home, Staubsauger,
Saugroboter, Smart-E-Fahrzeuge, intelligente RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-28333ST-2585	6.0-12.0	6.0V CONSTANT	10500	0.3	8555	1.32	58.9	5.77	5.17	65.2	318	31.18
RS-28333ST-3166	6.0-14.4	12.0V CONSTANT	25000	0.46	20929	2.37	81.4	7.98	17.5	61.5	500	49.02
RS-28335ST-16120	9.0-16.0	12.0V CONSTANT	8200	0.15	6378	0.4	51.2	5.02	3.35	65	230.2	22.57
RS-28335ST-13150	24.0-48.0	36.0V CONSTANT	18500	0.15	15072	0.66	92.65	9.08	14.32	60	500	49.02

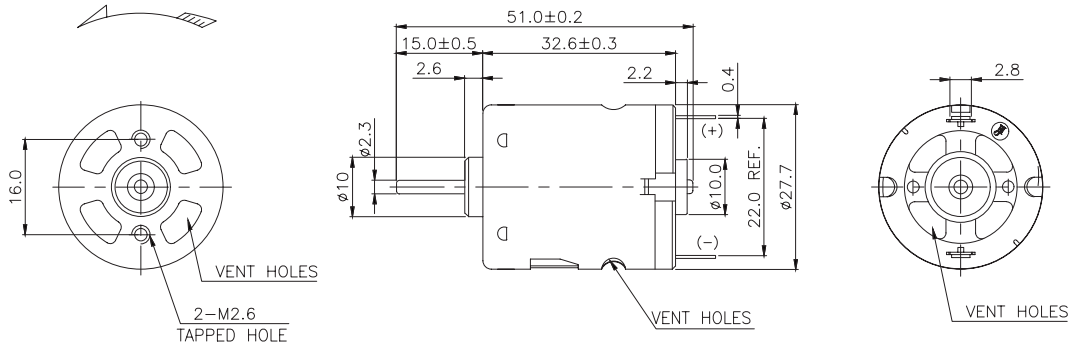
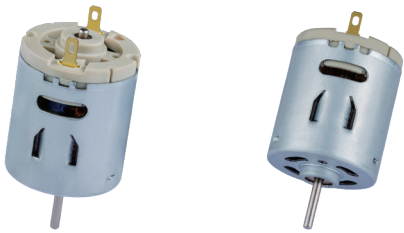
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

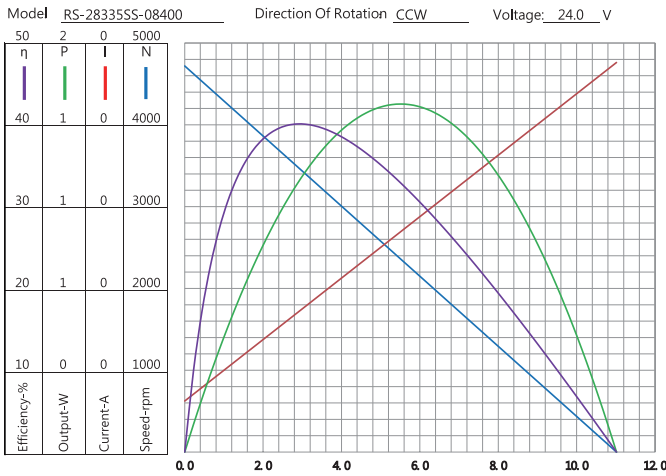
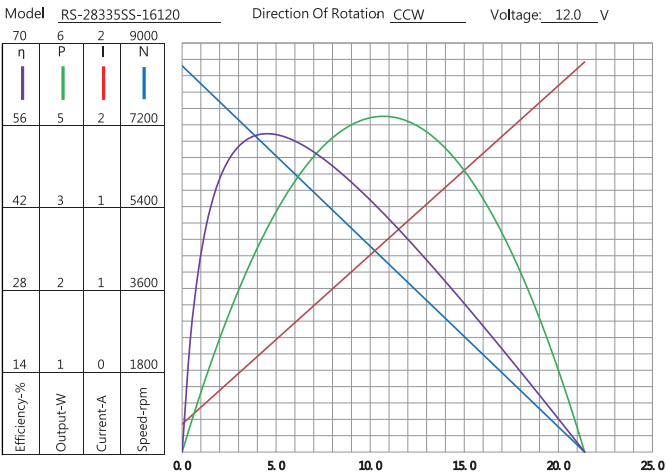
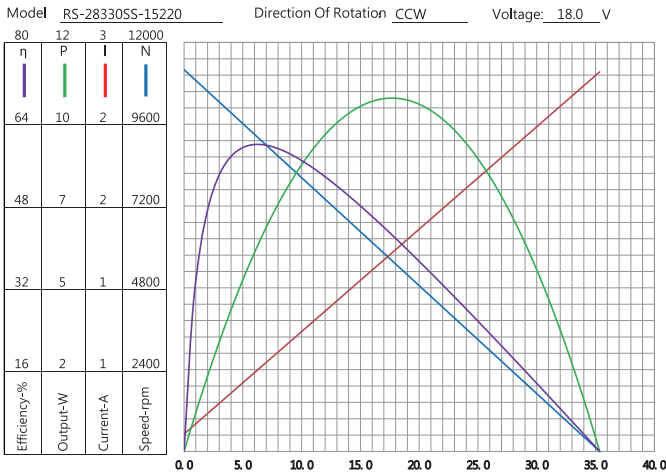
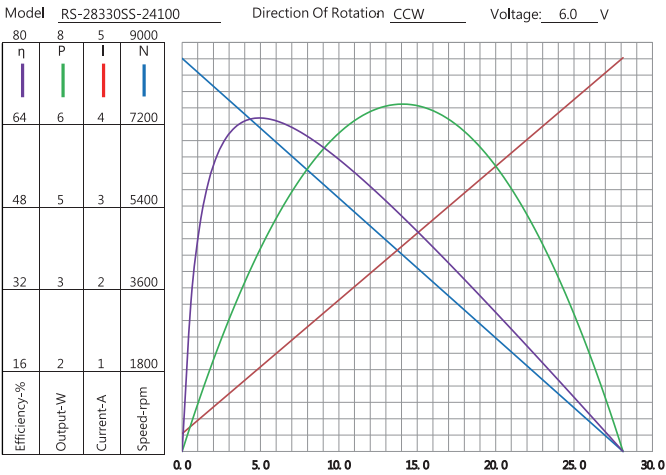
RS-2833SS

Einsatz:
Foehne, Haarschneider, Massagegeraete, Smart-Home-Geraete, Staubsauger, Saugroboter,
intelligente E-Fahrzeuge, smarte RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-2833SS-24100	3.0-12.0	6.0V CONSTANT	8650	0.2	7136	0.94	50.2	4.92	4.44	65	286.4	28.08
RS-2833SS-15220	12.0-24.0	18.0V CONSTANT	11200	0.12	9212	0.56	64	6.27	6	61	361	35.39
RS-2833SS-16120	12.0-30.0	12.0N CONSTANT	8500	0.13	6630	0.5	48	4.71	3.3	55	218	21.37
RS-2833SS-08400	24.0-48.0	24.0V CONSTANT	4720	0.04	3472	0.11	29.7	2.91	1.06	40.2	112	10.98

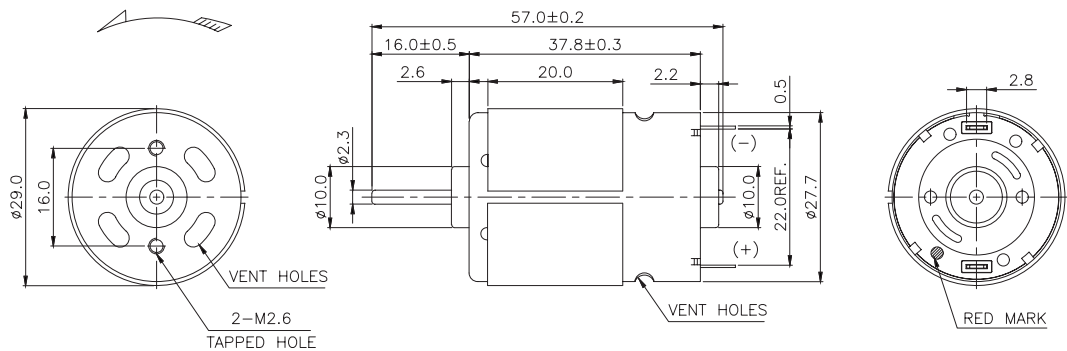
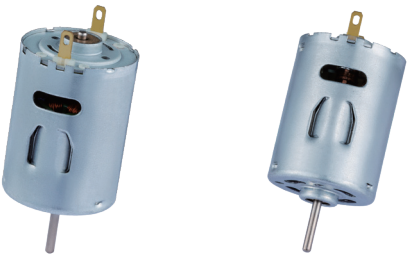
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

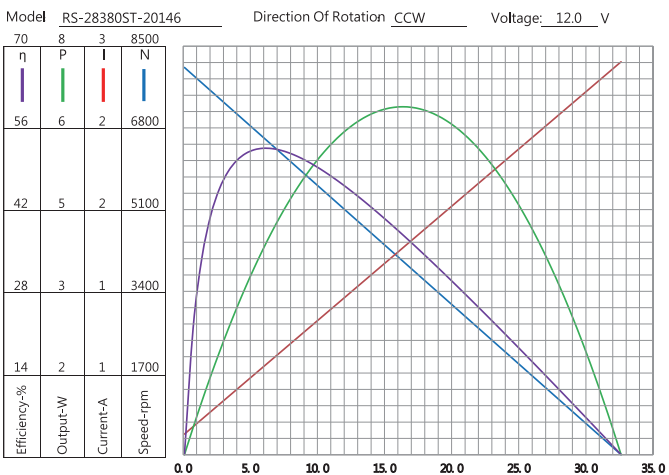
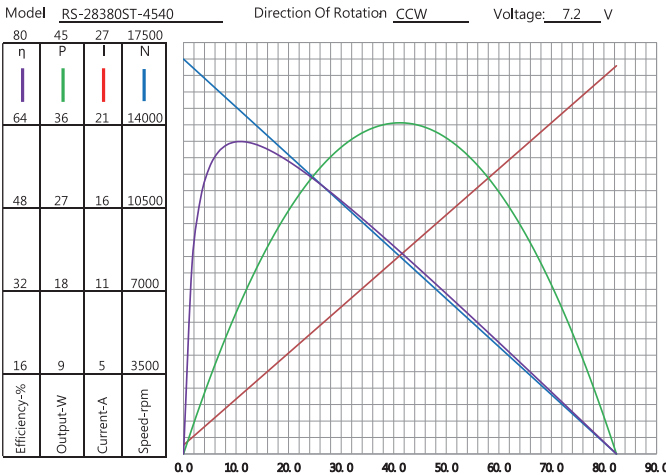
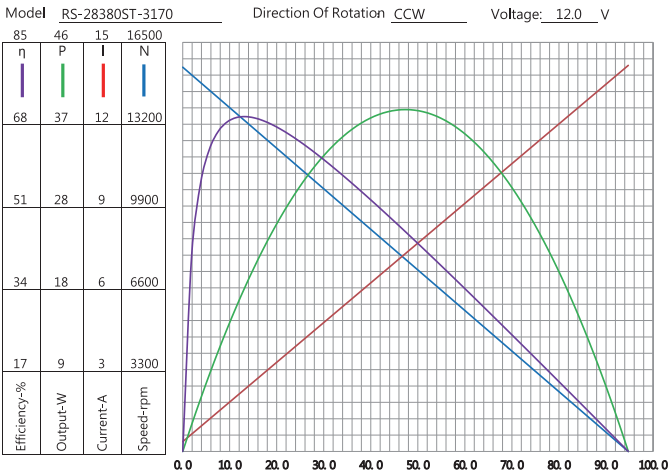
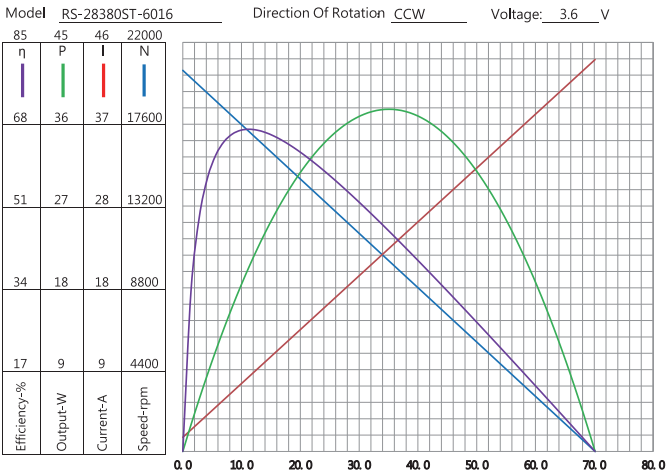
RS-2838ST

Einsatz:
Foehne, Haarschneider, Massagegeraete, Smart-Home-Geraete, Staubsauger, Saugroboter,
intelligente E-Fahrzeuge, smarte RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-28383ST-6016	2.4-4.8	3.6V CONSTANT	20500	1.6	17218	8.4	114.5	11.23	20.2	66.8	715.1	70.11
RS-28383ST-3170	6.0-15.0	12.0V CONSTANT	15500	0.35	13350	2.2	134	13.14	18.4	69.7	968	94.90
RS-28383ST-4540	3.0-9.0	7.2V CONSTANT	16800	0.57	14600	3.77	110	10.78	16.5	30.7	840	82.35
RS-28383ST-20146	12.0-24.0	12.0V CONSTANT	800	0.15	6674	0.6	54.6	5.35	3.74	52.1	329	32.25

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

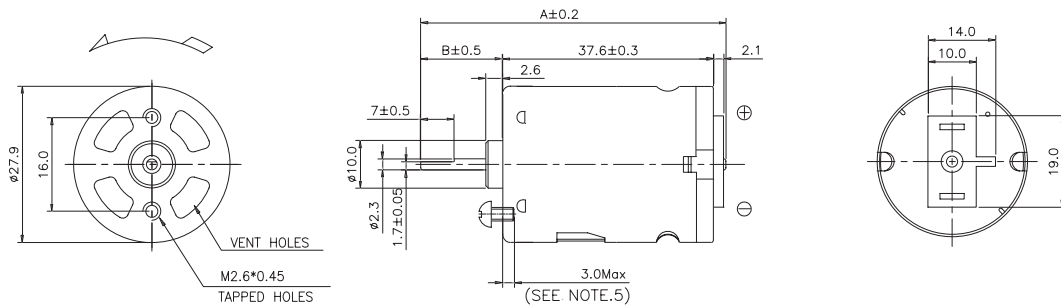
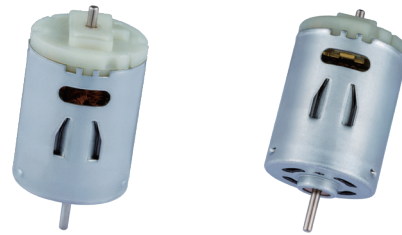


Buerstenmotor

RS-2838SS

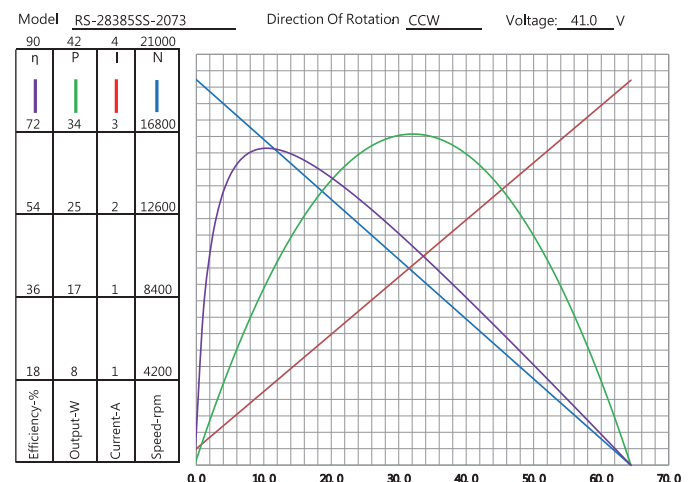
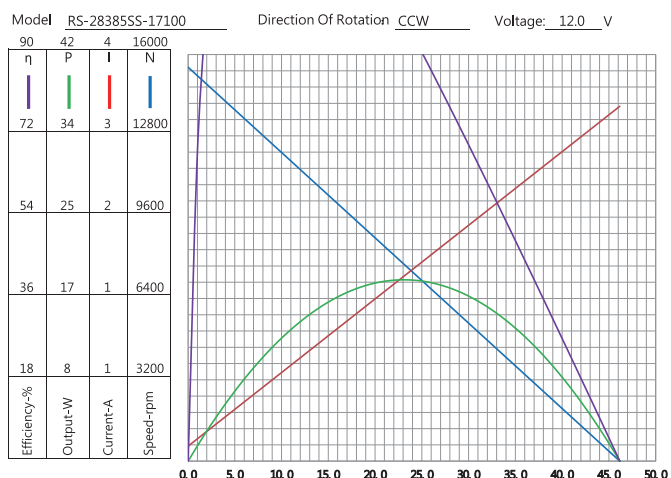
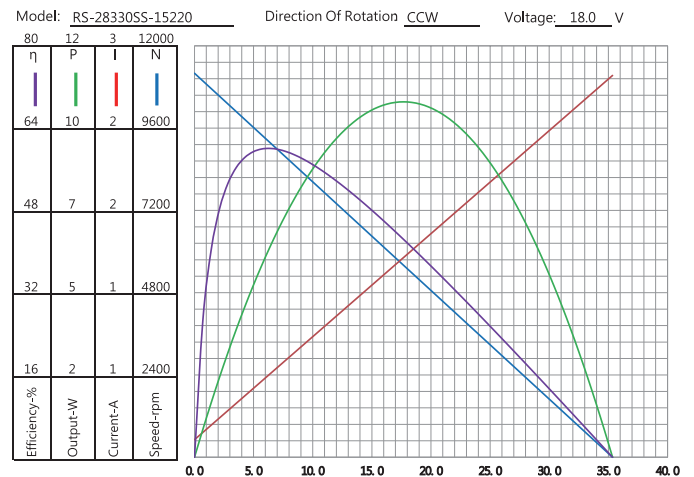
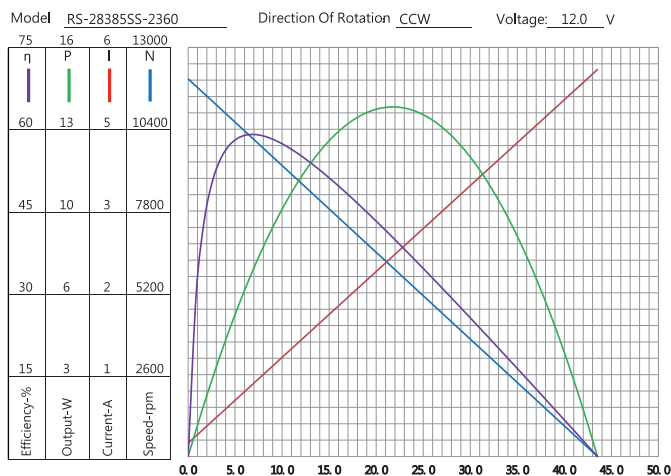
Einsatz:

Foehne, Haarschneider, Massagegeraete, Smart-Home-Geraete, Staubsauger, Saugroboter, intelligente E-Fahrzeuge, smarte RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED rpm	CURRENT A	SPEED rpm	CURRENT A	TORQUE g.cm	TORQUE mN-m	OUTPUT W	EFF %	TORQUE g.cm	TORQUE mN-m
RS-28385SS-2360	6.0~24.0	12.0V CONSTANT	12000	0.19	10210	0.98	66.2	6.49	6.94	59	407	39.90
RS-28385SS-16125	24.0-48.0	41.0V CONSTANT	20000	0.13	16672	0.66	110.9	10.87	19	70.2	867	85.00
RS-28385SS-17100	12.0-24.0	24.0V CONSTANT	15500	0.13	12850	0.63	80.5	7.89	10.6	70.1	470	46.08
RS-28385SS-2073	12.0-24.0	24.0V CONSTANT	22000	0.21	18460	1.1	89	8.73	16.8	63.5	550	53.92

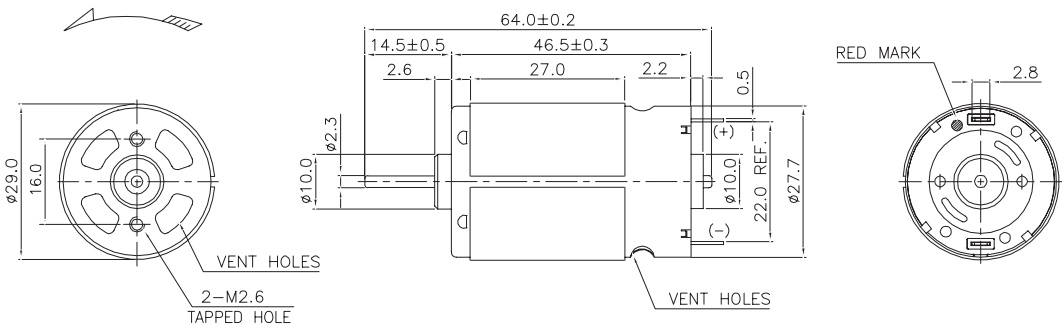
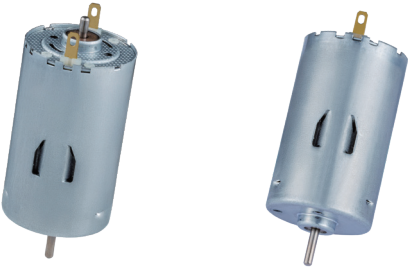
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

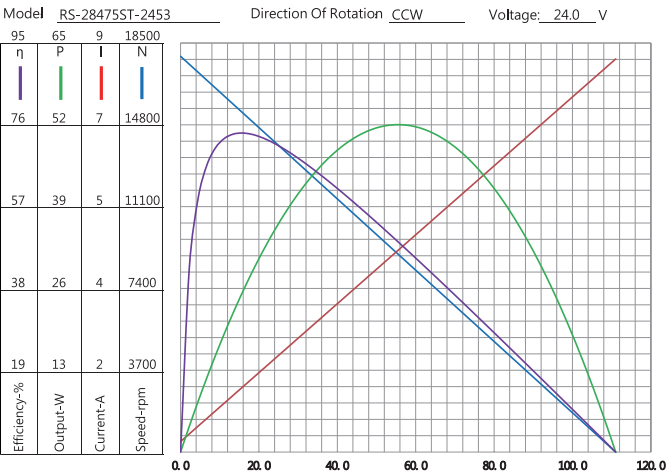
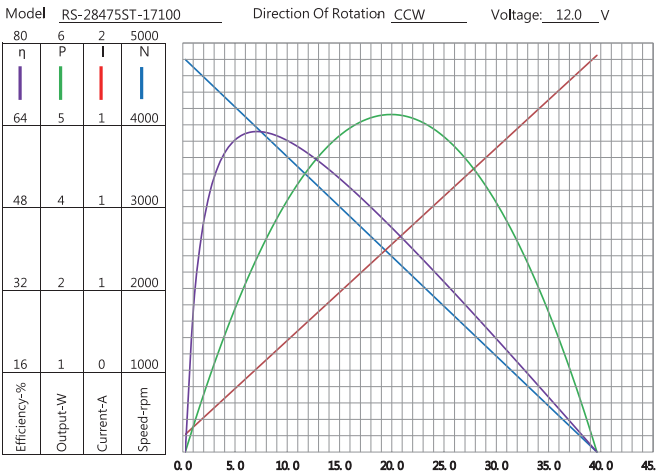
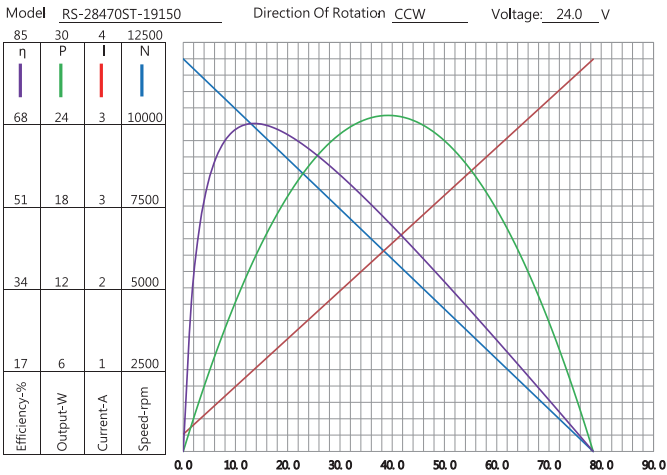
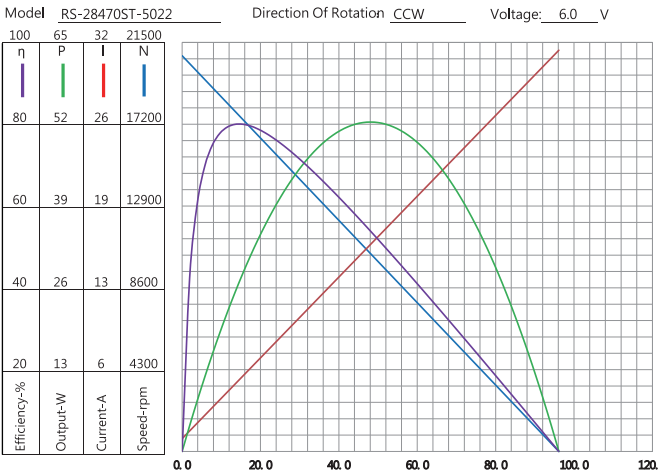
RS-2847ST

Einsatz:
Kuechenmaschinen, Werkzeuge, Smart-Home, Staubsauger, Saugroboter, Smart-E-Fahrzeuge,
Kinder-Elektrofahrzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-28473ST-5022	3.0-6.0	6.0V CONSTANT	20800	1	17830	5.34	140	13.73	25.6	80.0	980	96.08
RS-28473ST-19150	12.0-36.0	24.0V CONSTANT	12000	0.18	9900	0.87	140	13.73	14.2	68.0	800	78.43
RS-28475ST-17100	12.0-30.0	12.0N CONSTANT	4800	0.08	3960	0.38	70.3	6.89	2.85	62.5	400	39.22
RS-28475ST-2453	12.0-26.0	24.0V CONSTANT	17900	0.23	15370	1.42	160	15.69	25.2	74	1130	110.78

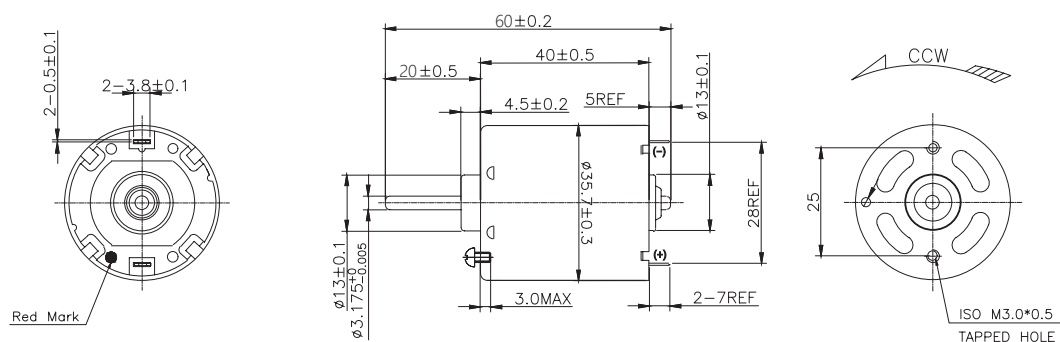
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



RS-3640ST

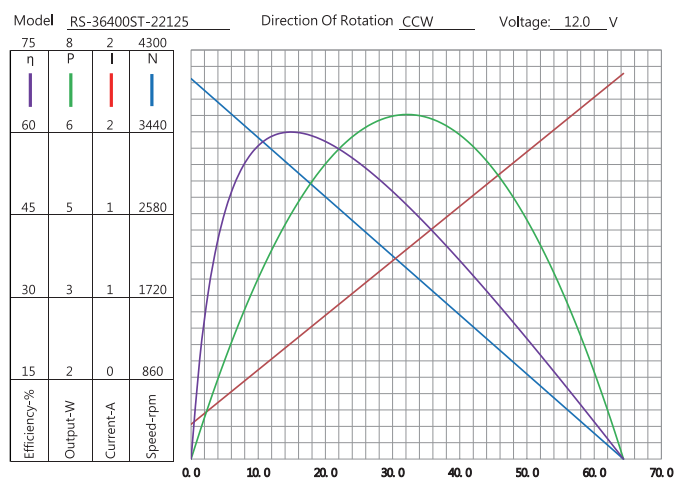
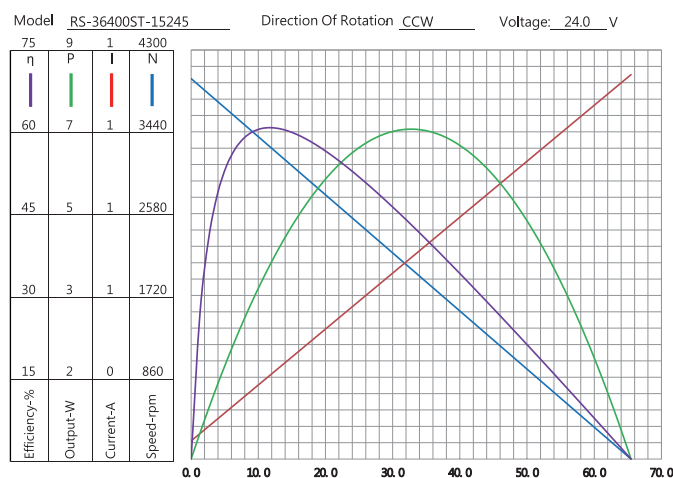
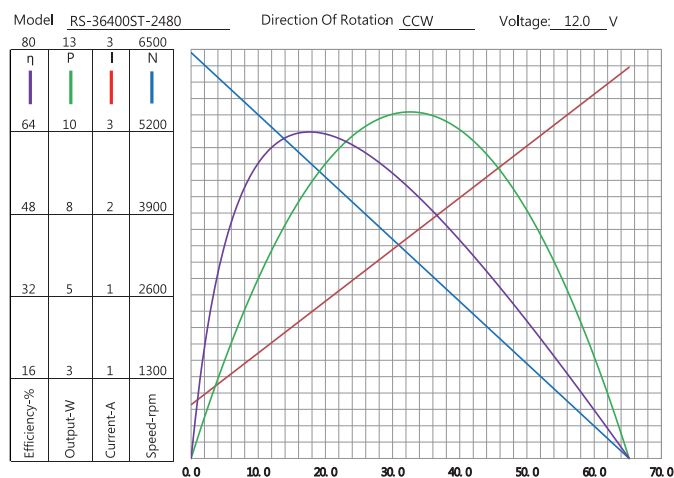
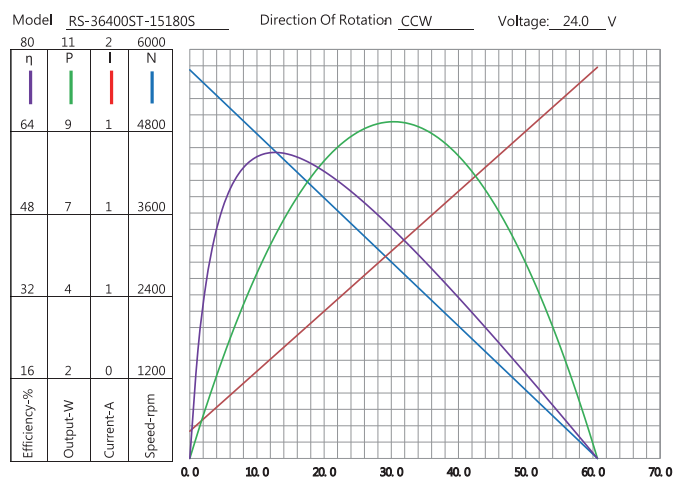
Einsatz:

Verkaufsautomaten, Elektrowerkzeuge, Luftpumpen



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-36403ST-15180S	6.0-36.0	24.0V CONSTANT	5700	0.11	4613	0.39	118	11.57	5.59	63	688	67.45
RS-36403ST-2480	6.0-36.0	12.0N CONSTANT	6450	0.42	5131	0.96	136	13.33	7.15	64	727	71.27
RS-36403ST-15245	12.0-36.0	24.0V CONSTANT	4000	0.06	3305	0.27	116	11.37	3.93	64	666	65.29
RS-36403ST-22125	6.0-24.0	12.0N CONSTANT	4000	0.2	3226	0.59	127	12.45	4.2	60	704	69.02

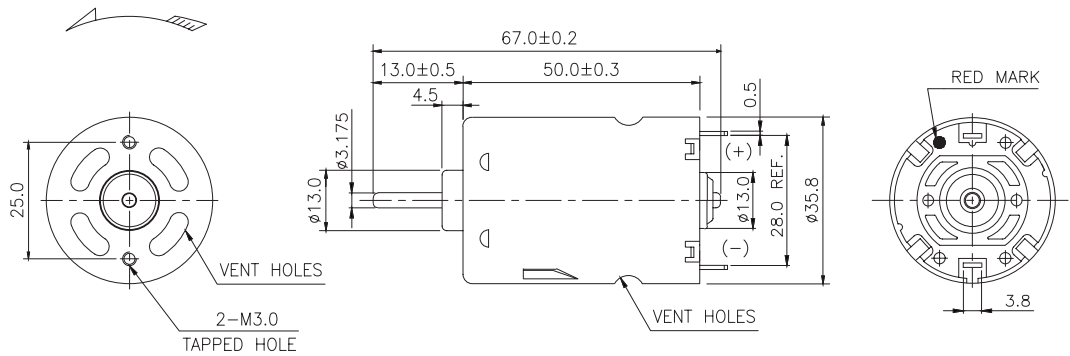
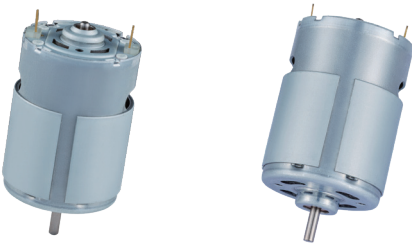
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

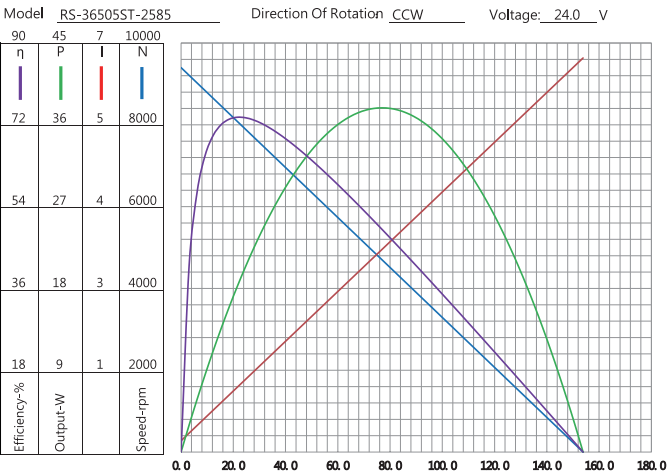
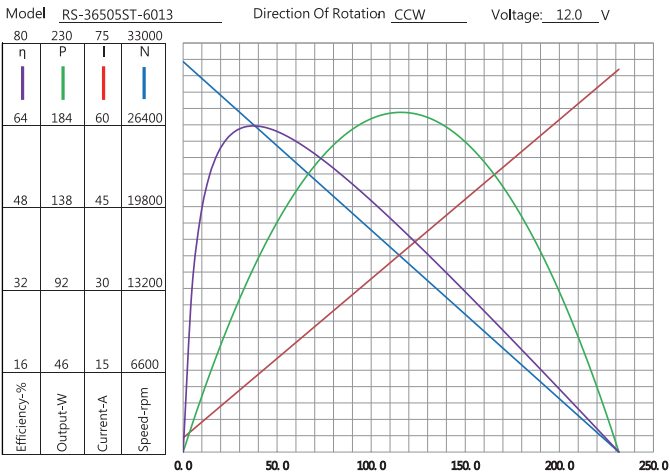
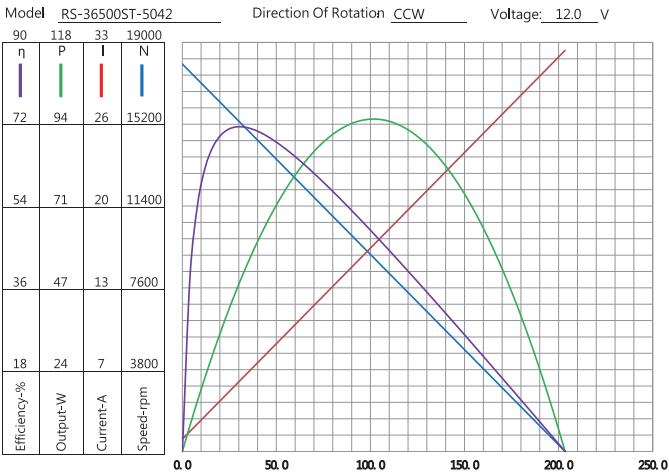
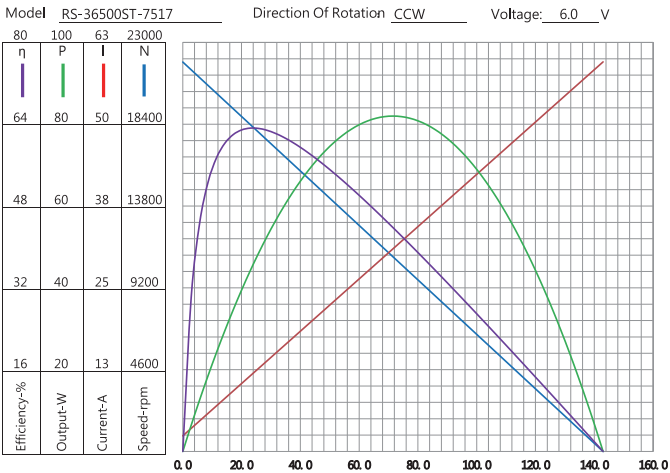
RS-3650ST

Einsatz:
E-Sitzverstellung, E-Drosselklappe, Staubsauger, Foehne, Luftpumpen,
Wasserpumpen, intelligente RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-36503ST-7517	3.0-7.2	6.0V CONSTANT	21900	2.4	18250	12	243	23.82	45.6	63.3	1460	143.14
RS-36503ST-5042	6.0-12.0	12.0V CONSTANT	18000	1	15302	5.7	311	30.49	48.9	71.5	2076	203.53
RS-36505ST-6013	6.0-12.0	12.0V CONSTANT	31500	2.6	26420	13.5	381	37.35	103	63.8	2363	231.67
RS-36505ST-2585	12.0-36.0	24.0V CONSTANT	9400	0.18	8040	1.06	227	22.25	18.7	73.5	1567	153.63

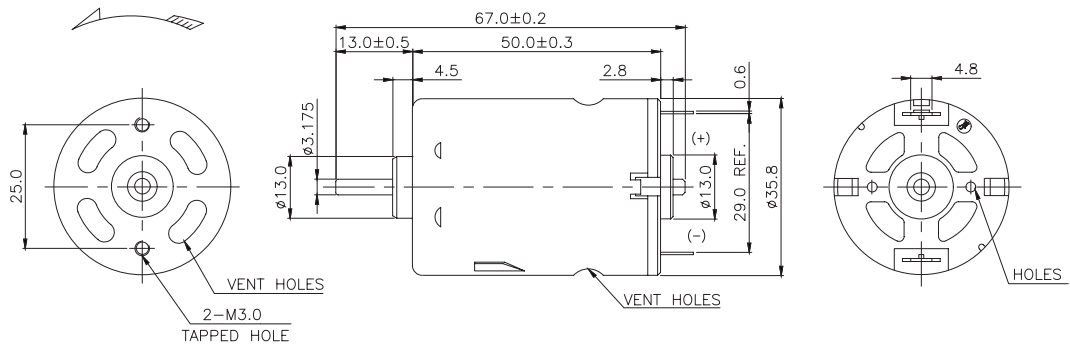
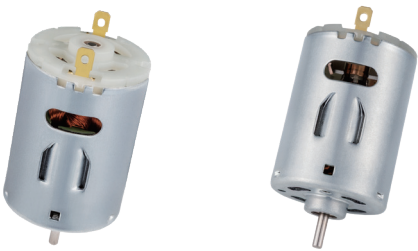
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

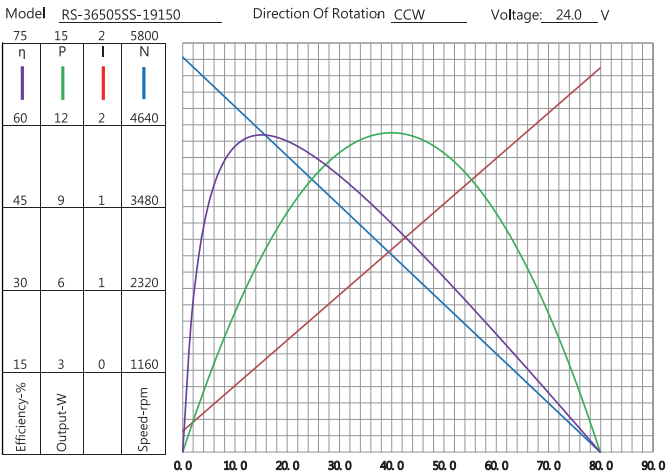
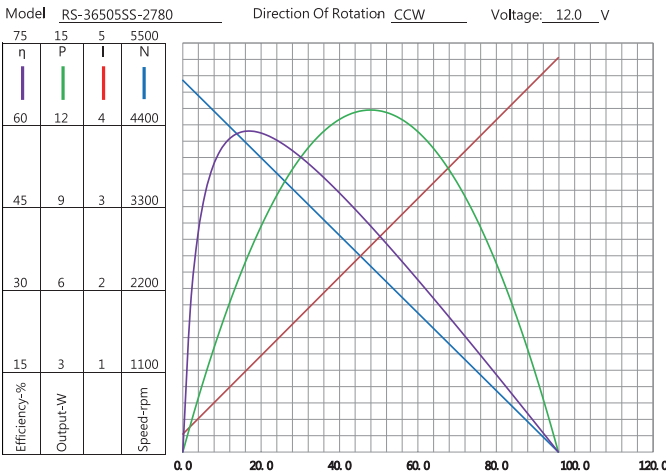
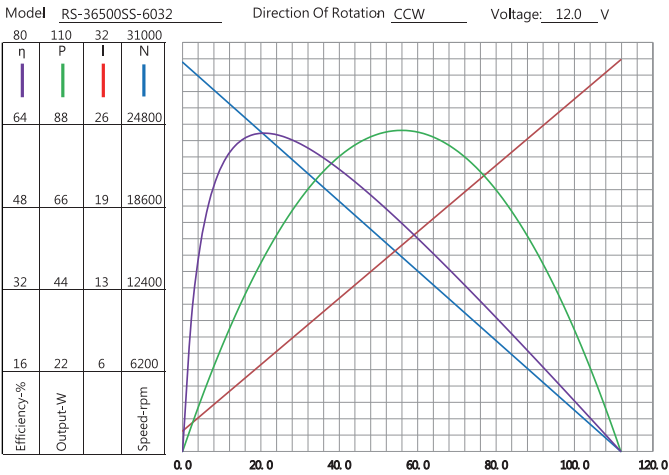
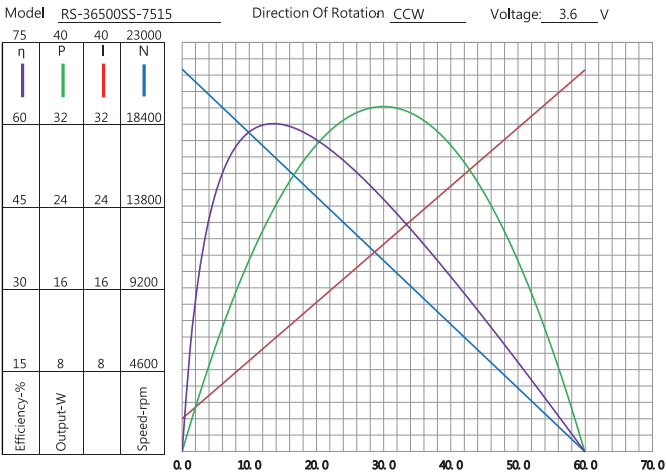
RS-3650SS

Einsatz:
Staubsauger, Foehne, Luftpumpen, Wasserpumpen, intelligente RC-Modelle



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-36503SS-7515	2.4-4.8	3.6V CONSTANT	21500	3.2	16644	10.9	138	13.53	23.7	60.4	614	60.20
RS-36503SS-6032	6.0-12.0	12.0V CONSTANT	29500	1.6	24016	7	212	20.78	52.1	62	1138	111.57
RS-36505SS-2780	12.0-24.0	12.0V CONSTANT	5000	0.22	4120	1.03	172	16.86	7.27	58.8	977	95.78
RS-36505SS-19150	12.0-48.0	24.0V CONSTANT	5600	0.12	4500	0.53	160	15.69	9.2	58	815	79.90

Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.

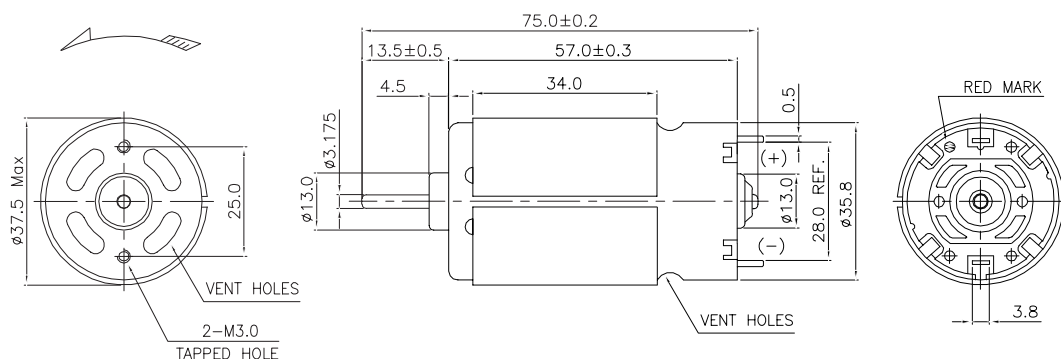


Buerstenmotor

RS-3657ST

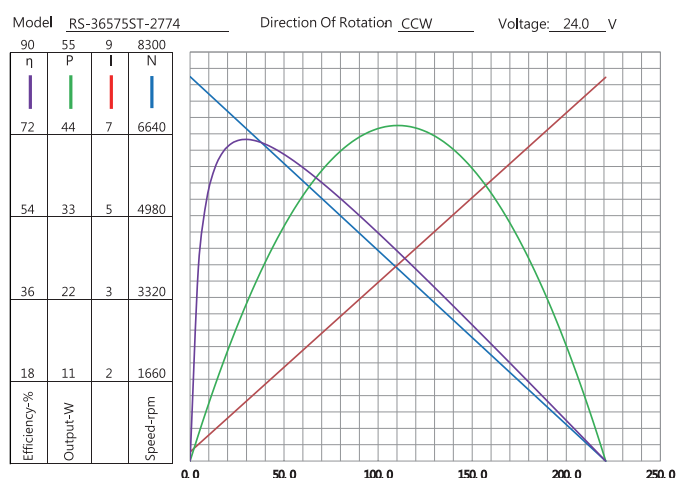
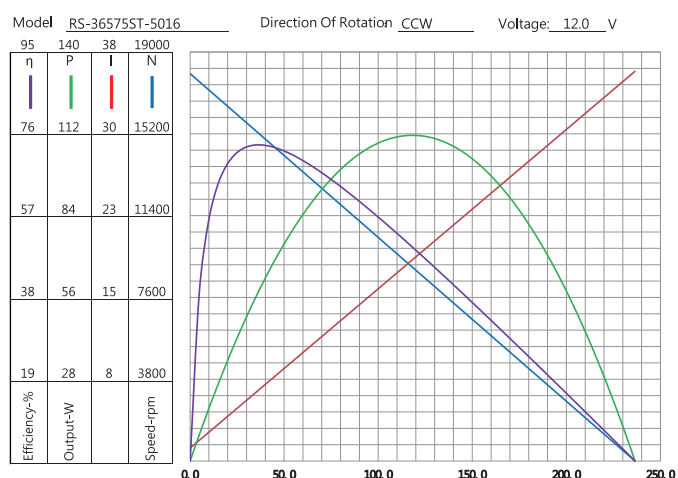
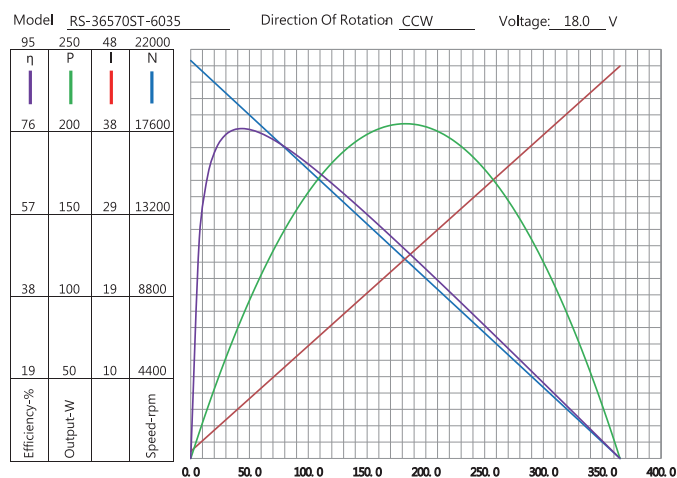
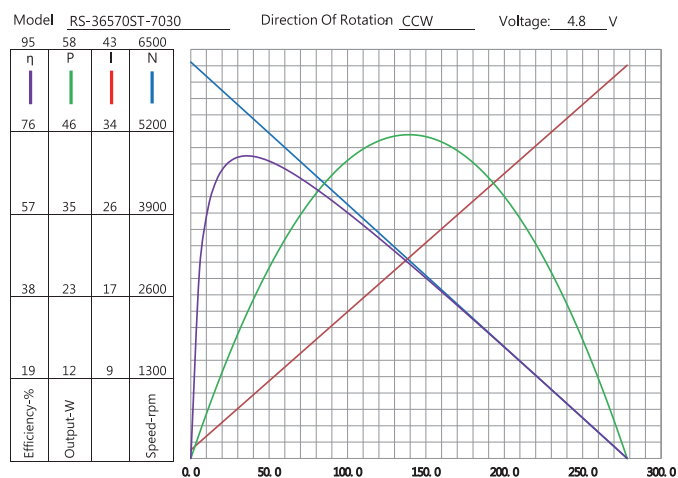
Einsatz:

Elektronische Parkbremse (EPB), Staubsauger, Foehne, Luft-/Wasserpumpen, Bohrmaschinen, Kinder-Elektrofahrzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-36573ST-7030	3.0 -12.0	4.8V CONSTANT	6300	0.9	5490	6.1	365	35.78	20.6	70.5	2835	277.94
RS-36573ST-6035	12.0-18.0	18.0V CONSTANT	21400	0.84	18854	6.22	443	43.43	85.7	76.5	3722	364.90
RS-36575ST-5016	6.0-12.0	12.0V CONSTANT	18000	1.2	15224	6.6	372	36.47	58.2	73.5	2432	238.43
RS-36575ST-2774	12.0-36.0	24.0V CONSTANT	7800	0.19	6758	1.23	301	29.51	20.9	70.7	2252	220.78

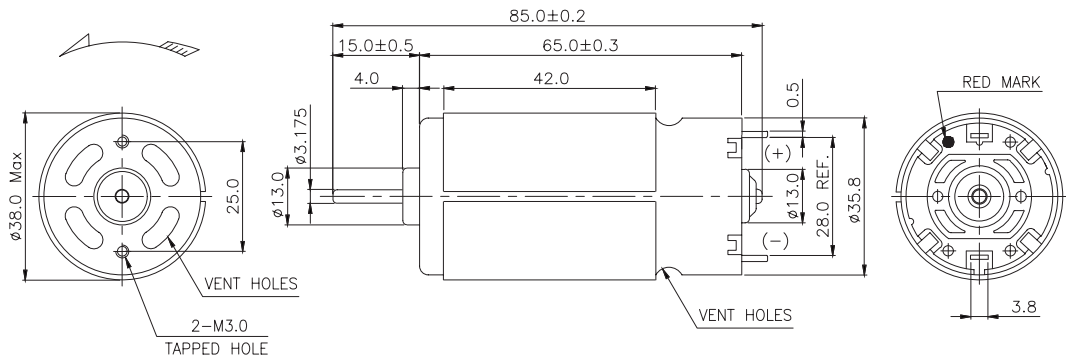
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

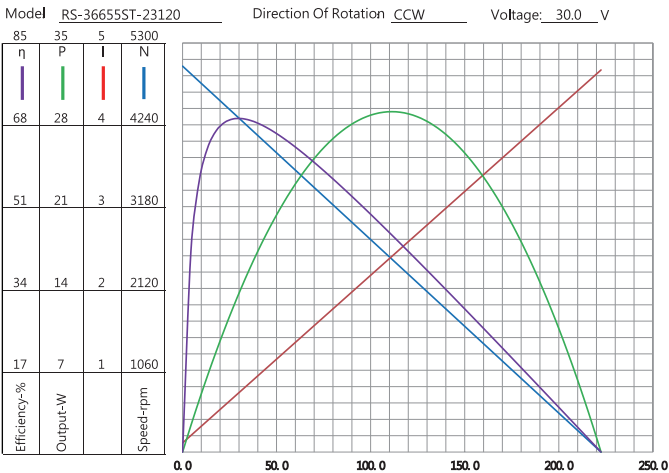
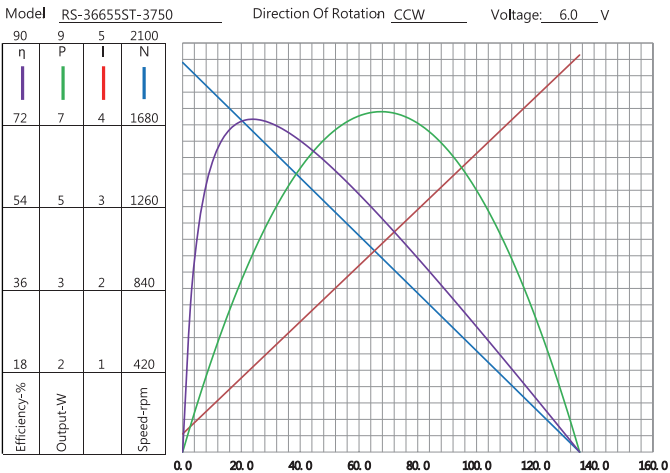
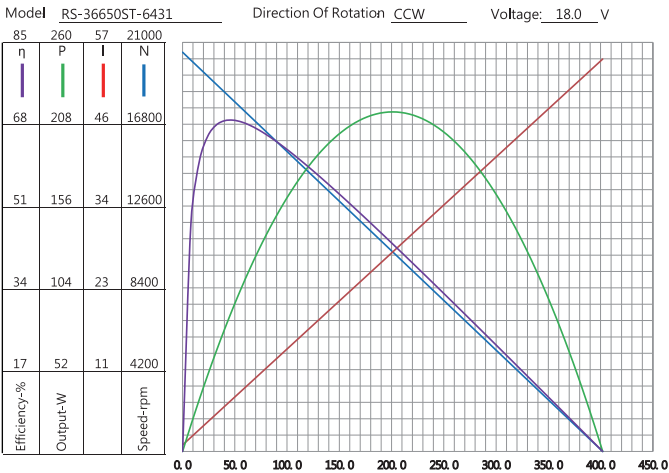
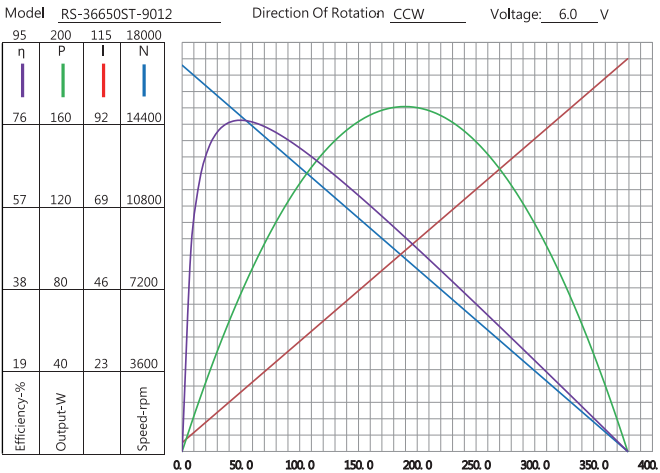
RS-3665ST

Einsatz:
Mobile Luefter, Elektrowerkzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m			g.cm	mN-m
RS-36653ST-9012	3.0-9.0	6.0V CONSTANT	17000	2.5	14779	16.6	504.8	49.49	76.5	76.8	3864	378.82
RS-36653ST-6431	12.0-18.0	18.0V CONSTANT	20500	0.9	18175	7	465	45.59	87.0	69.0	4100	401.96
RS-36655ST-3750	6.0-24.0	6.0V CONSTANT	2000	0.2	1621	0.99	262	25.69	4.37	73.5	1560	152.94
RS-36655ST-23120	24.0-36.0	30.0V CONSTANT	5000	0.1	4330	0.65	304	29.80	13.5	69.2	2273	222.84

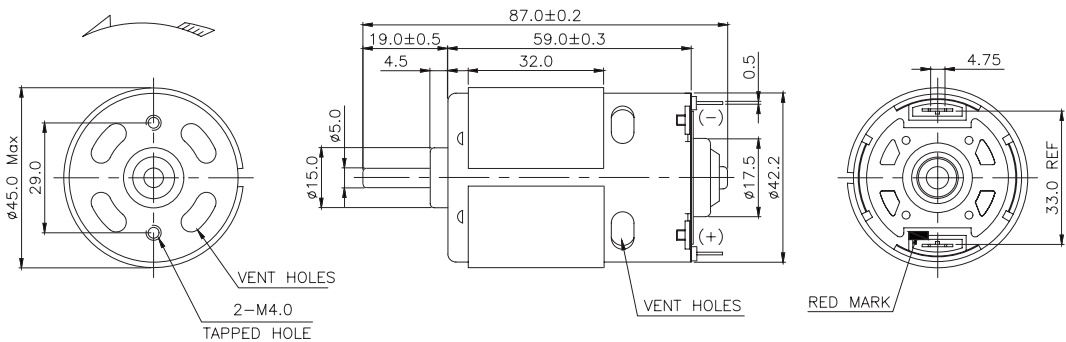
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

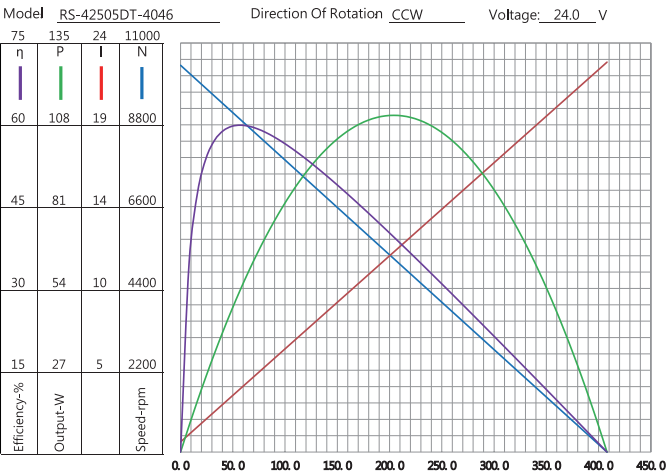
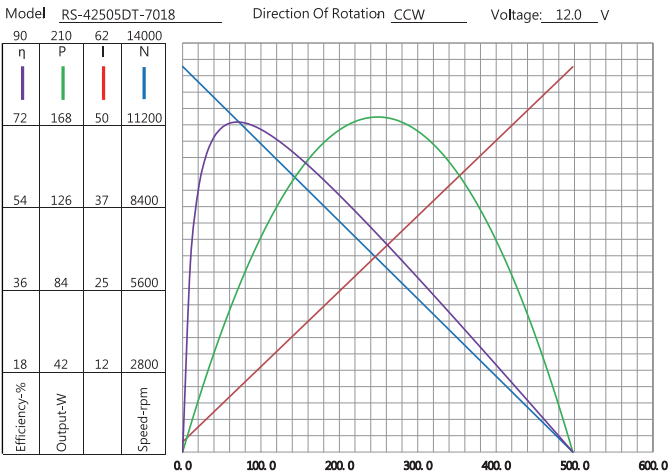
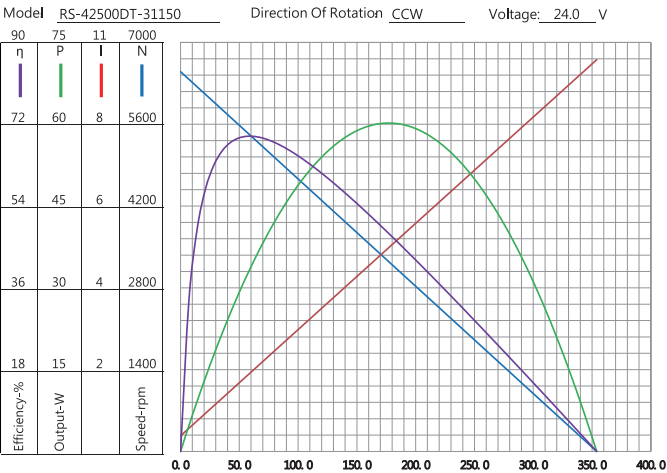
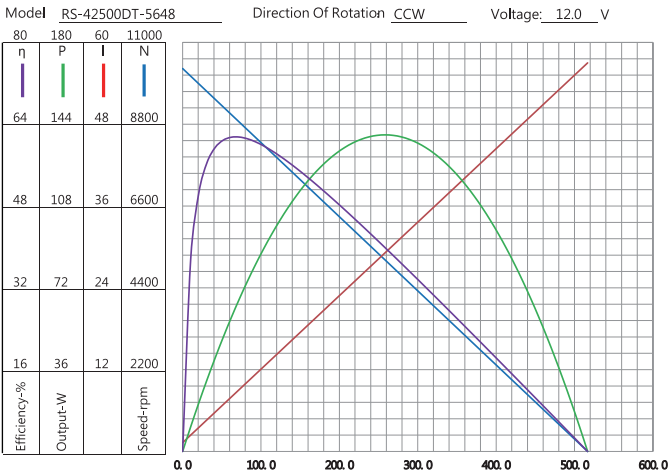
RS-4260DT

Einsatz:
Elektrische Jalousien, Wasserspender, Massagegeraete



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-42603DT-5648	6.0-18.0	12.0V CONSTANT	10300	1.3	8580	10.6	880	86.27	77.5	60.8	5280	517.65
RS-42603DT-31150	18.0-36.0	24.0V CONSTANT	6500	0.4	5423	2	598	58.63	33.3	69.4	3611	354.02
RS-42605DT-7018	9.0-14.4	12.0V CONSTANT	13200	1.55	11354	9.5	710	69.61	82.7	72.5	5077	497.75
RS-42605DT-4046	12.0-30.0	24.0V CONSTANT	10400	0.6	8953	3.7	579	56.76	53.2	60.0	4160	407.84

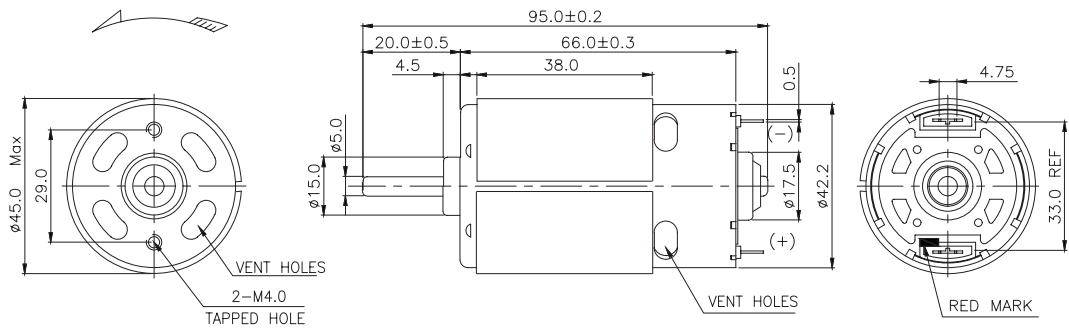
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

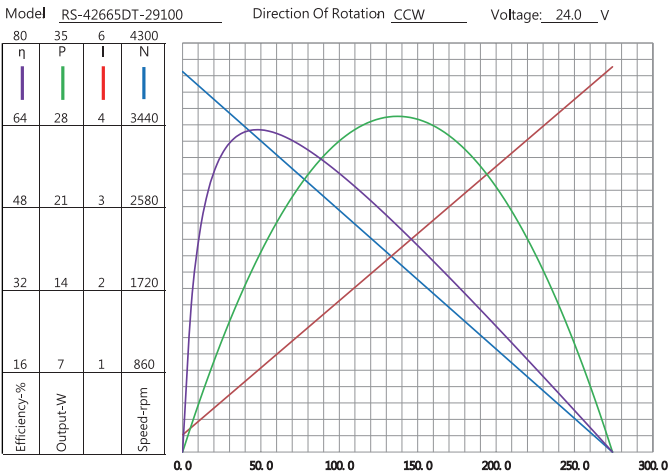
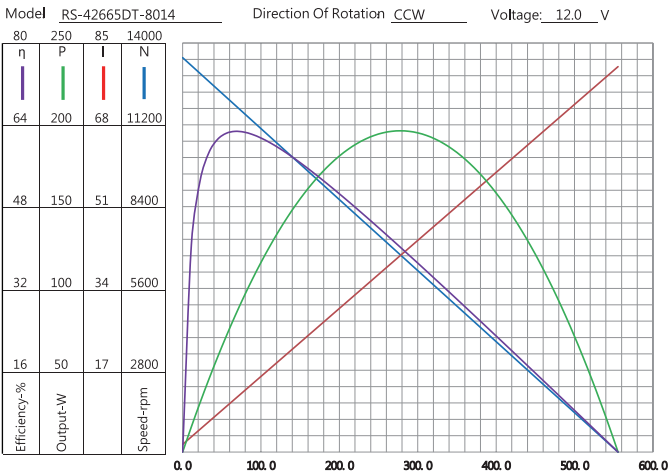
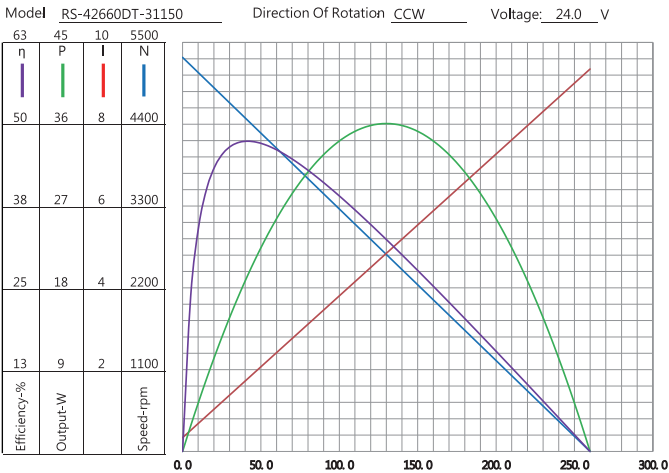
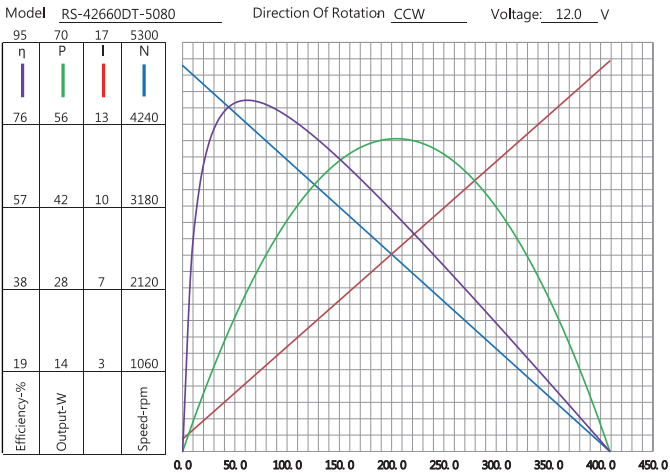
RS-4266DT

Einsatz:
Elektrische Jalousien, Elektrowerkzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-42663DT-5080	12.0-18.0	12.0V CONSTANT	5000	0.5	4279	2.7	601.2	58.94	26.4	83	4167	408.53
RS-42663DT-31150	12.0-36.0	24.0V CONSTANT	5300	0.32	4446	1.7	427.1	41.87	19.5	47.8	2650	259.80
RS-42665DT-8014	6.0-18.0	12.0V CONSTANT	13500	1.6	11832	11.3	700	68.63	85.3	62.7	5684	557.25
RS-42665DT-29100	24.0-36.0	24.0V CONSTANT	4000	0.23	3305	1.09	486	47.65	16.5	63.0	2800	274.51

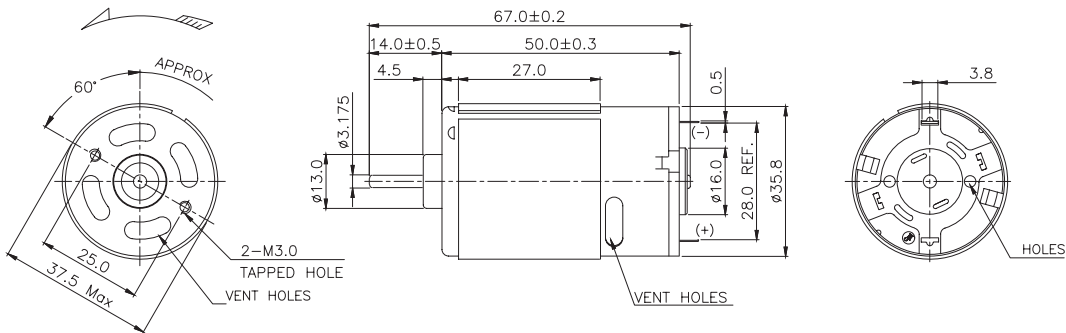
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

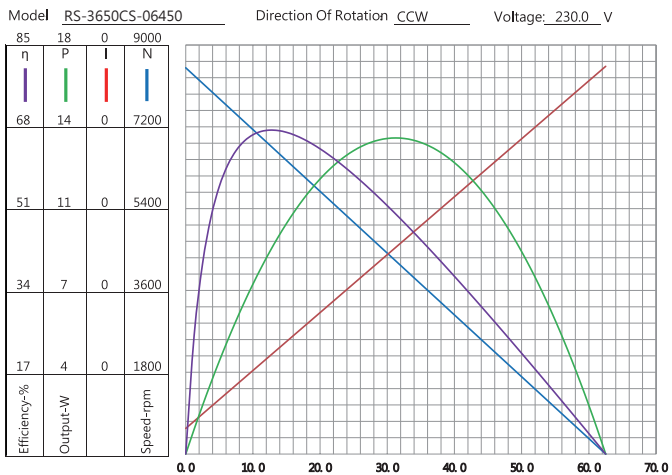
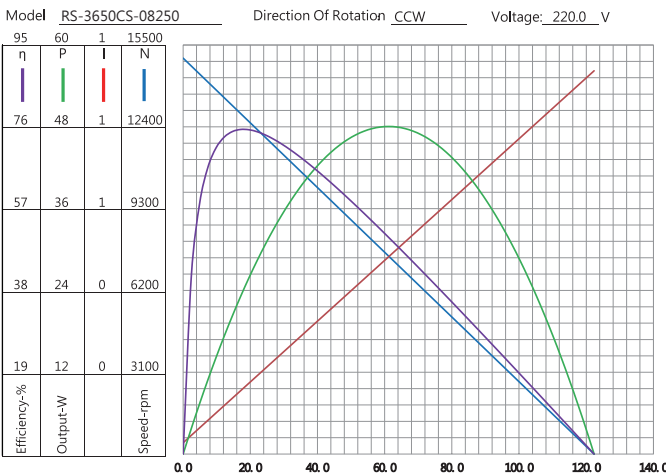
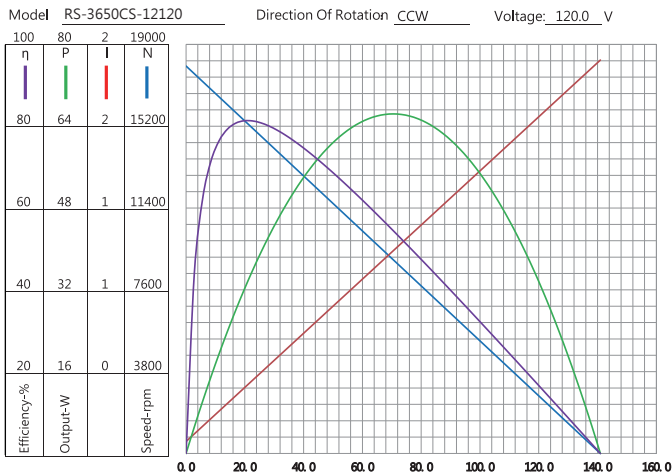
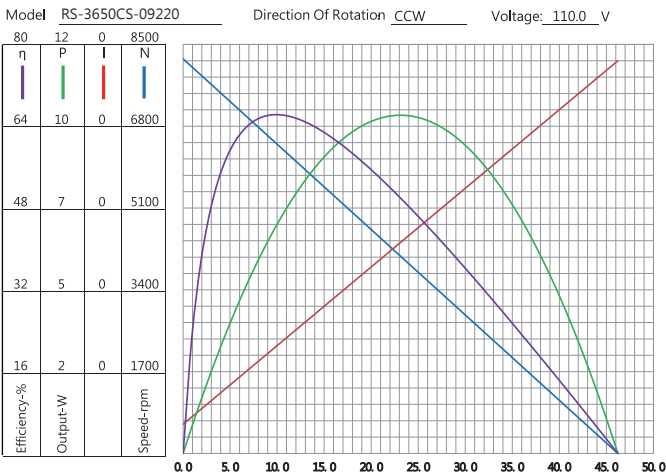
RS-3650CS

Einsatz:
Foehne, Staubsauger, Naehmaschinen



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-3650CS-09220	100-120	110V CONSTANT	8200	0.025	6460	0.091	100	9.80	6.63	66.2	471	46.18
RS-3650CS-12120	100-120	120V CONSTANT	18000	0.06	15270	0.35	218	21.37	34.20	72	1440	141.18
RS-3650CS-08250	100-220	220V CONSTANT	15000	0.025	12800	0.145	183	17.94	24.00	75.2	1250	122.55
RS-3650CS-06450	100-240	230V CONSTANT	8500	0.015	6700	0.06	135	13.24	9.30	67.4	638	62.55

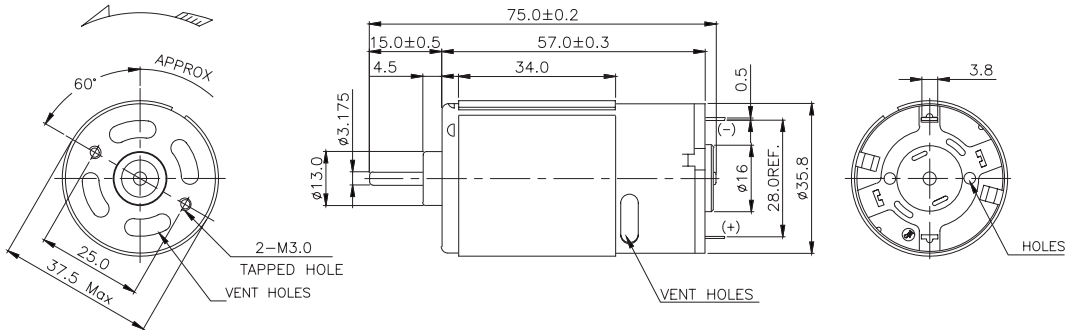
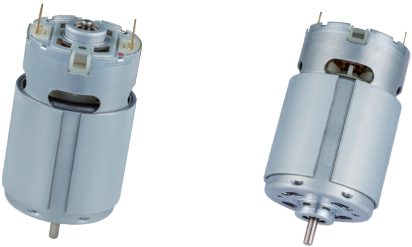
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

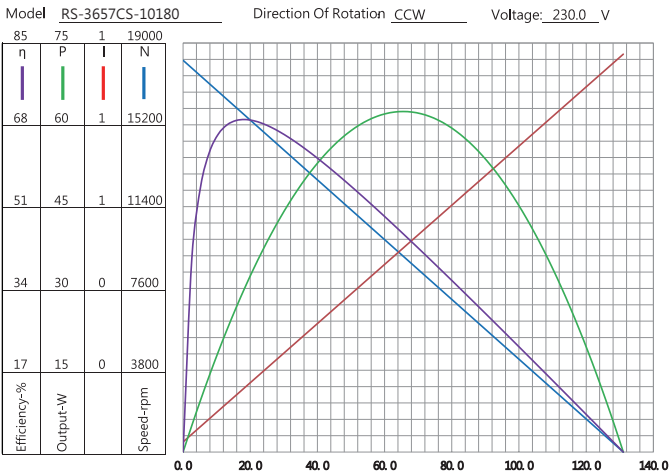
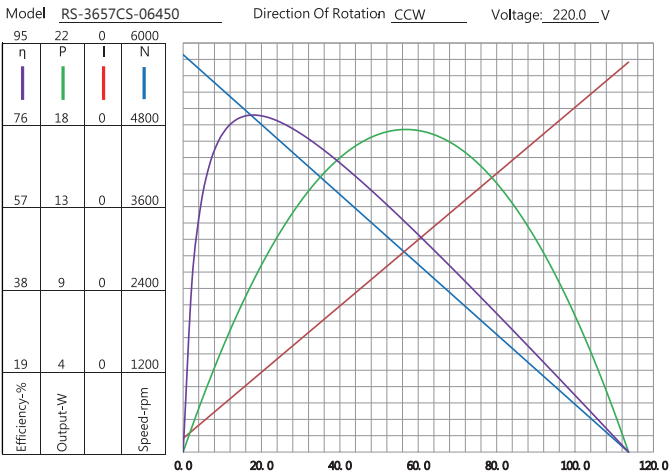
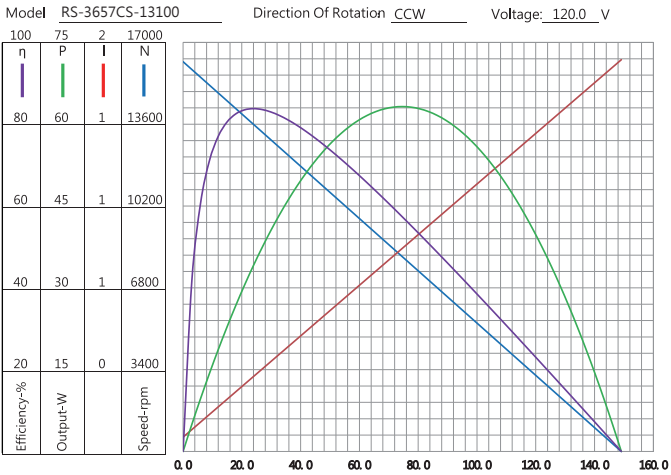
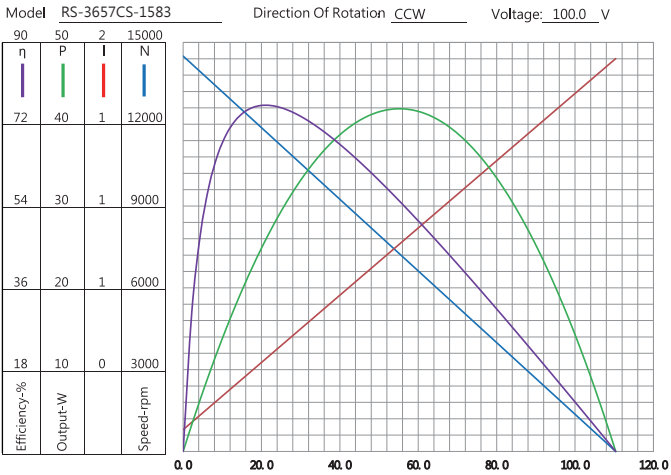
RS-3657CS

Einsatz:
Foehne, Staubsauger, Naehmaschinen



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-3657CS-1583	100-120	100V CONSTANT	14500	0.08	11730	0.34	215	21.08	25.9	76.2	1125	110.29
RS-3657CS-13100	100-120	120V CONSTANT	16200	0.065	13590	0.34	245	24.02	34.3	84	1519	148.92
RS-3657CS-06450	220-240	220V CONSTANT	5830	0.01	4985	0.05	168	16.47	8.6	78.2	1156	113.33
RS-3657CS-10180	100-230	230V CONSTANT	18200	0.03	15640	0.19	188	18.43	30.1	68.9	1335	130.88

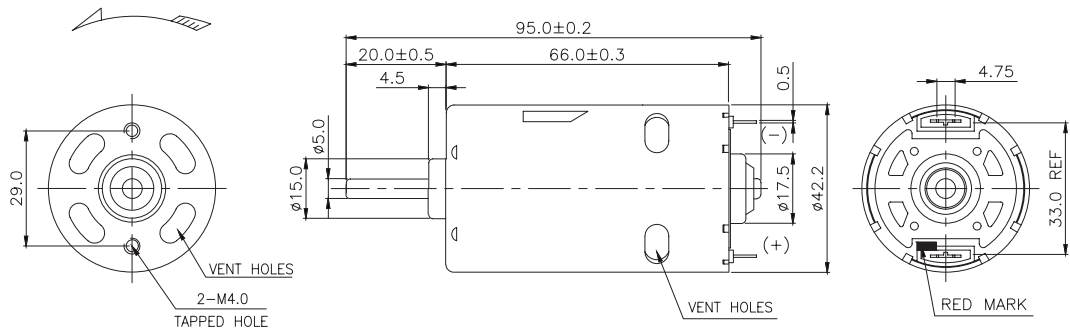
Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

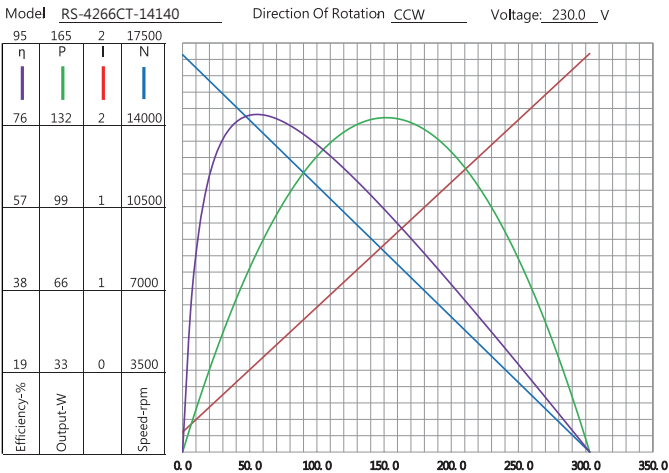
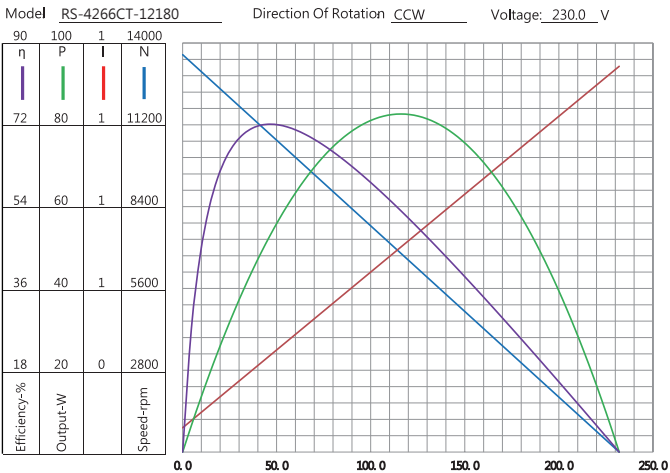
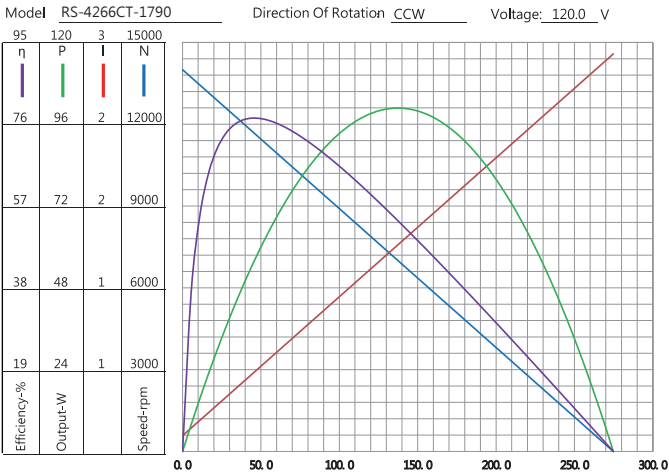
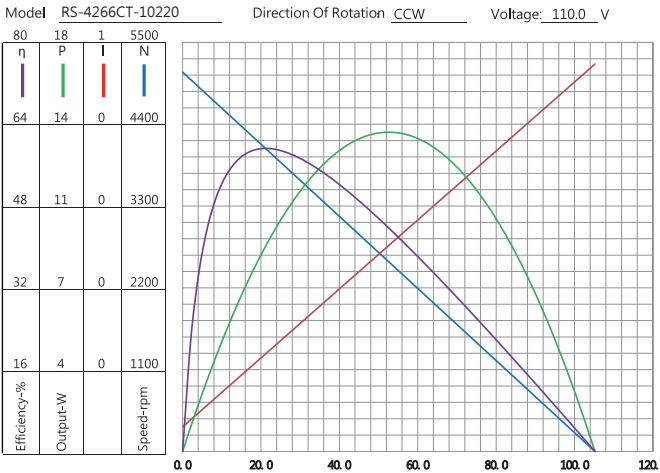
RS-4266CT

Einsatz:
Entsafter, Kaffeemuehlen, Mischer



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-4266CT-10220	100-120	110V CONSTANT	5100	0.035	4059	0.14	219	21.47	9.1	56.5	1074	105.29
RS-4266CT-1790	100-120	120V CONSTANT	14000	0.12	11677	0.6	465	45.59	55.7	77.4	2800	274.51
RS-4266CT-12180	100-230	230V CONSTANT	13600	0.08	10865	0.32	476	46.67	53	72	2365	231.86
RS-4266CT-14140	100-230	230V CONSTANT	17000	0.1	13864	0.45	570	55.88	81.1	78.4	3091	303.04

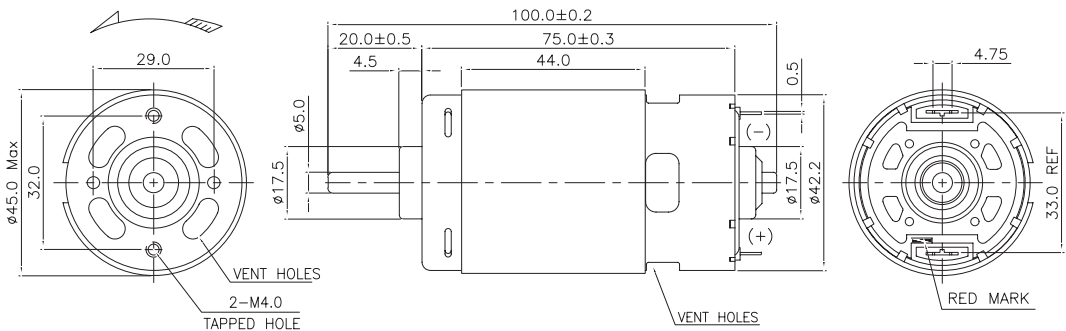
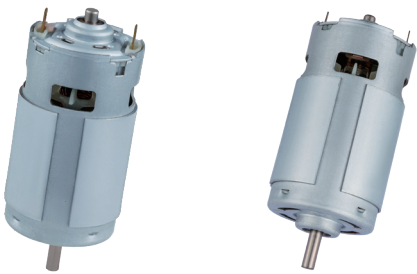
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

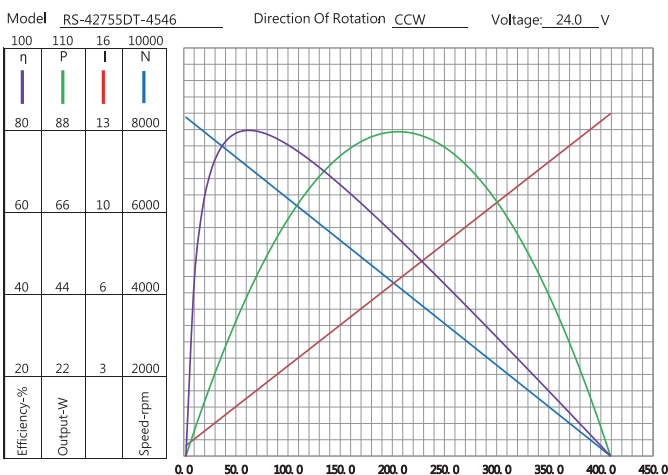
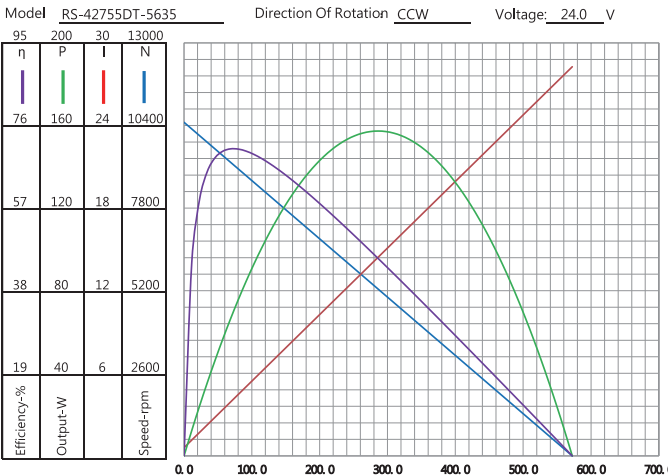
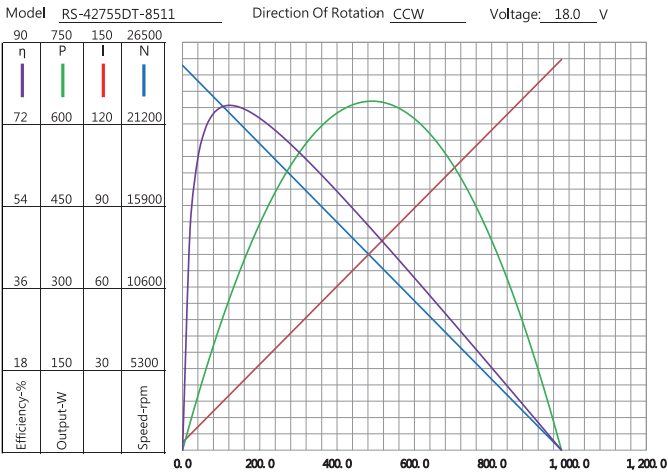
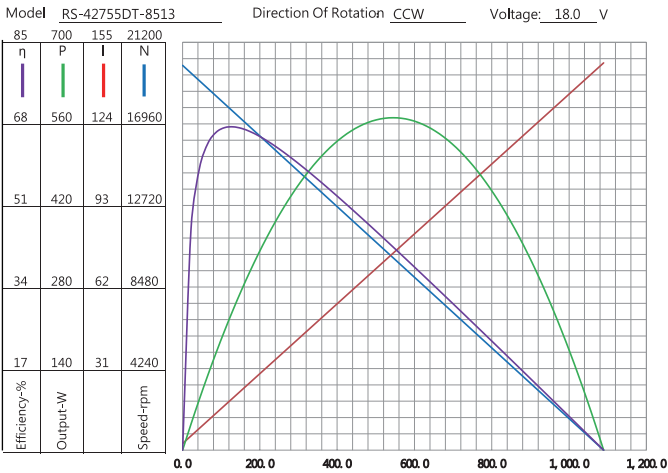
RS-42755DT

Einsatz:
Kaffeemaschinen, Mischer, Werkzeuge



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-42755DT-8513	6.0-18.0	18.0V CONSTANT	20000	2.5	17692	19.2	1282	125.69	233	67.3	11111	1089.31
RS-42755DT-8511	6.0-18.0	18.0V CONSTANT	25000	2.9	21892	20.4	1243	121.86	279	76.0	10000	980.39
RS-42755DT-5635	21.0-27.0	24.0V CONSTANT	10500	0.6	9172	4.1	738.174	72.37	69.5	69.83	5834.91	572.05
RS-42755DT-4546	21.0-27.0	24.0V CONSTANT	8200	0.4	6988	2.3	606.39	59.45	43.5	78.53	4101.114	402.07

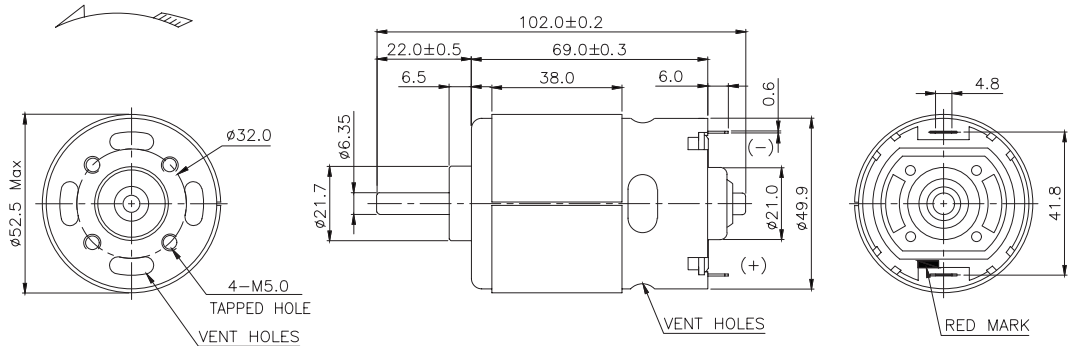
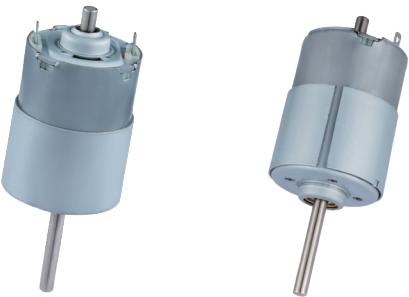
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Buerstenmotor

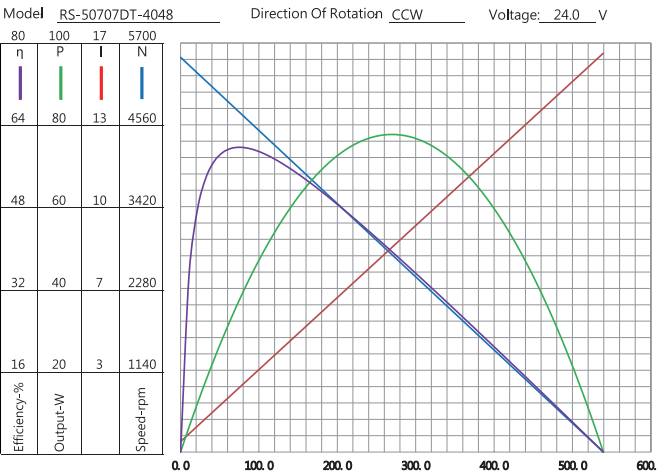
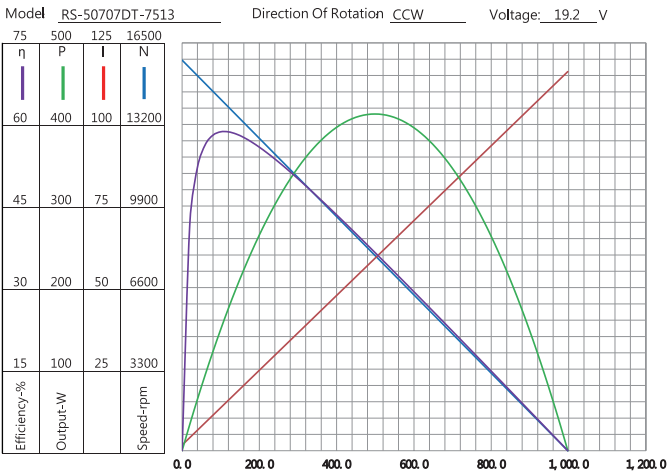
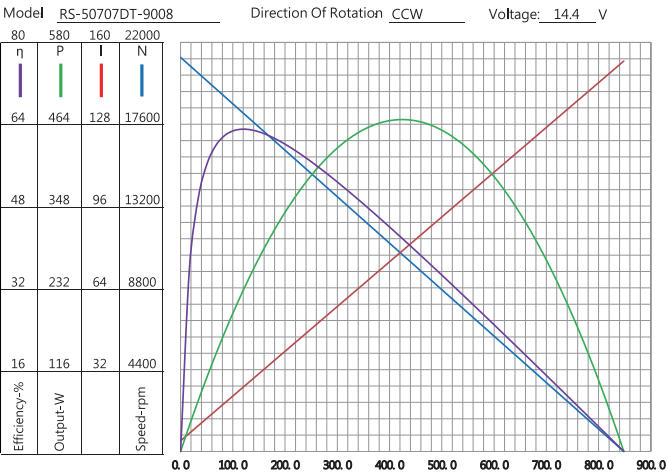
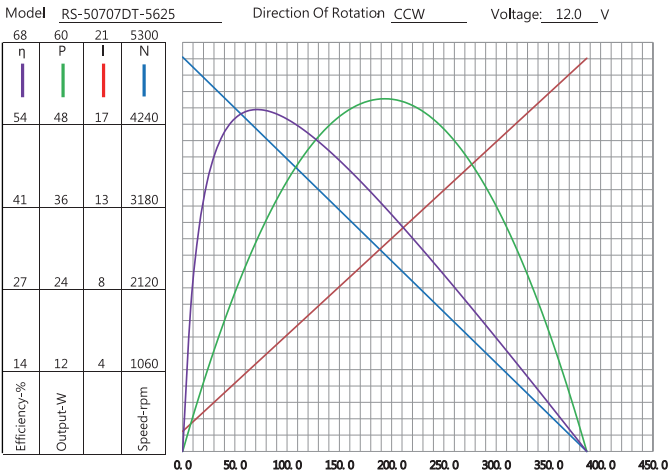
RS-50707DT

Einsatz:
Elektrowerkzeuge, Ventilatoren, Heizluefter



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RS-50707DT-5625	12.0-24.0	12.0V CONSTANT	5110	1.03	4190	4.48	710	69.61	31.1	58	3944	386.67
RS-50707DT-9008	6.0-14.4	14.4V CONSTANT	21200	4.18	18300	24.5	1183	115.98	226.2	66	8648	847.84
RS-50707DT-7513	12.0-24.0	19.2V CONSTANT	15800	1.75	14059	14.1	1098	107.65	158.4	58.5	9966	977.06
RS-50707DT-4048	12.0-48.0	24.0V CONSTANT	5500	0.42	4735	2.6	765	75.00	37.2	59.6	5500	539.22

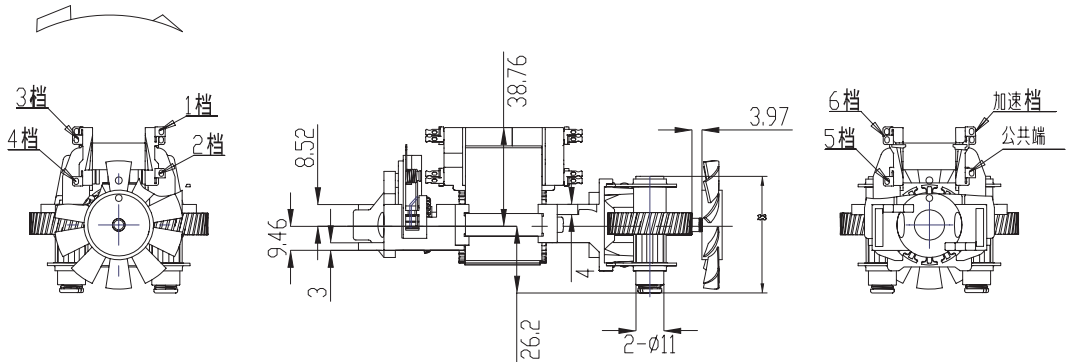
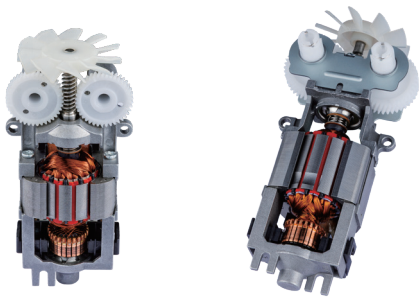
Wellenlänge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



XU-5530

Einsatz:

Lebensmittelmischer, Kuechenmaschinen



MODEL	VOLTAGE		NO LOAD SPECIFICATIONS													
	OPERATING RANGE	NOMINAL	LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5		LEVEL 6		LEVEL 7	
			SPEED (RPM)	POWER W	SPEED (RPM)	POWER W	SPEED (RPM)	POWER W	SPEED (RPM)	POWER W	SPEED (RPM)	POWER W	SPEED (RPM)	POWER W	SPEED (RPM)	POWER W
U5530L-01	100-120VAC	120V CONSTANT	600	60	760	80	800	93.00	880	105	960	120.00	1060	143	1150	170
U5530L-03	100-120VAC	120V CONSTANT	480	45	660	66	750	80.00	850	96	960	130.00	/	/	/	/
U5530L-06	100-120VAC	120V CONSTANT	480	45	660	66	750	80.00	850	96	960	130.00	960	130	/	/
U5530R-07	220-240VAC	230AV CONSTANT	600	59	740	79	830	90.00	930	109	1050	143.00	1050	143	/	/

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.



Getriebemotor

Typenschlüssel Getriebemotor

R P 1 6 - 3 6 1 - C 

1 2 3 4 5 6

Typenschlüssel:

1. Gehaeuseform: R: rund; S: quadratisch

2. Getriebetyp: C: zentrisch; 0: exzentrisch; P: Planet; W: Schnecke; B: Hybrid

3. Getriebe-Aussendurchmesser: 1. Stelle = Zehner; ueber 9 als Buchstabe; 2. Stelle = Einer

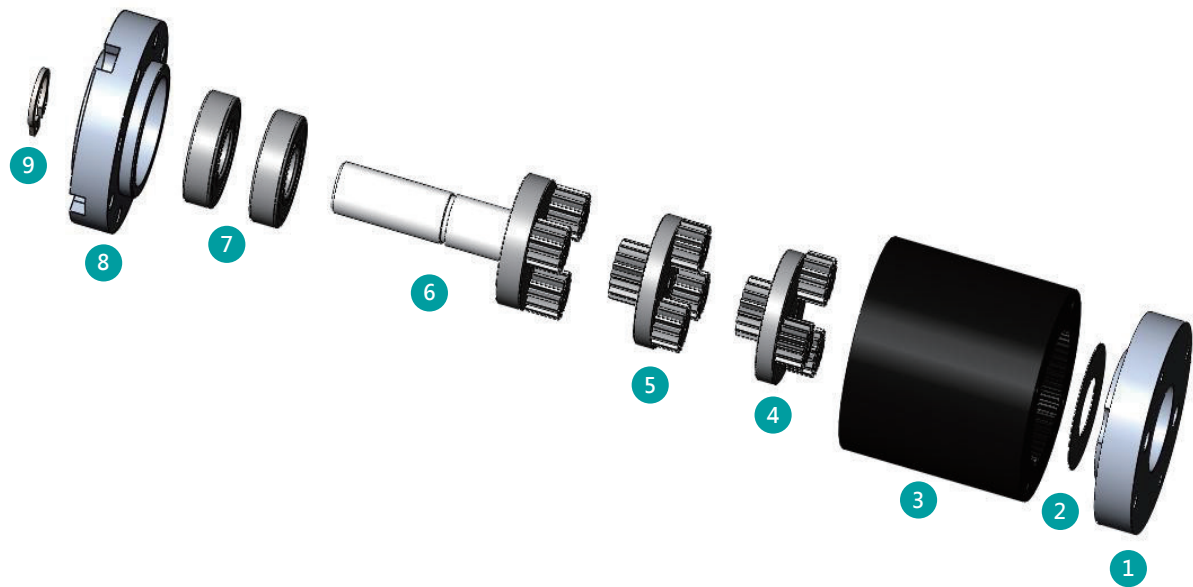
4. Getriebeverhaeltnis: echtes Verhaeltnis; keine 0-Auffuellung auf vier Stellen

Abtriebswelle: K: geraendelt; D: D-Schnitt; S: D-Schnitt; J: Stufenwelle; T: Gewinde; P: Riemenscheibe; G: Zahnrad

5. Zahnrad; W: Schnecke; E: Exzenter; C: Buchse/Verbinder; N: glatte Welle

6. Kundenspezifische Nr.

Explosionszeichnung Getriebemotor



1 Motoranschlussplatte

2 Scheibe

3 Innenzahnring

4 Planetenrad

5 Planetentraeger

6 Getriebe-Abtriebswelle

7 Waelzlager

8 Getriebe-Frontdeckel

9 C-Ring

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RP16

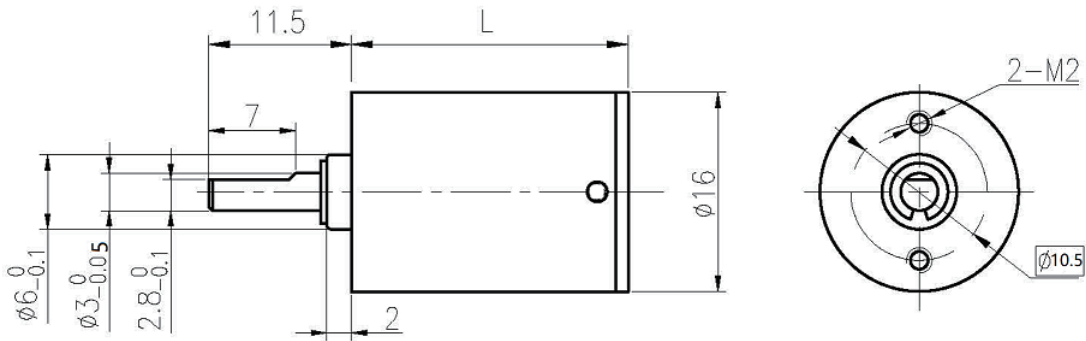
Φ16 Planetengetriebe, zul. Drehmoment: 0.03N.m~0.3N.m
16mm Planetary Gearbox, Permissible Load Range: 0.03N.m~0.3N.m

Innenzahnrad-Material	Pulvermetall
Ring material	Powder meta
Lagerart Abtriebswelle	Sinterlager
Bearing at output	Sleeve bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	≤5N
Max. Axiallast Max. shaft axial load	≤5N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.2 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	≤15N



Aussen- und Einbaumasse

Dimensions



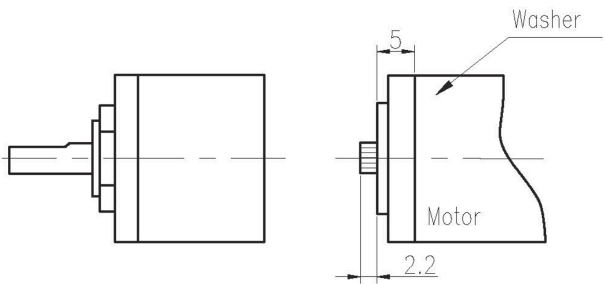
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	0.3	
Zaehne No. of teeth	12	15
Eingriffswinkel Pressure angle	20°	
Bohrung Hole diameter	Φ1.48 Φ1.98	
Untersetzung Reduction ratio	1/4.75 1/24 1/107 1/509	1/4 1/16 1/19 1/64 1/76 1/96 1/256 1/304 1/361 1/429

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/4 1/4.75 1/6	0.03 N.m Max.	0.09 N.m	90 %	12.3±0.5	18
1/16 1/19 1/24 1/29 1/36	0.12 N.m Max.	0.36 N.m	81 %	15.9±0.5	21
1/64 1/76 1/96 1/107 1/144 1/171 1/216	0.24 N.m Max.	0.72 N.m	73 %	19.5±0.5	23
1/256 1/304 1/361 1/429 1/509	0.3 N.m Max.	0.9 N.m	66 %	23.1±0.5	26

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <10000 rpm. Temp.: -15°C~+80°C
 Input & output same rotation direction Motor Max. input speed < 10000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RP22

Φ22 Planetengetriebe, zul. Drehmoment: 0.03N.m~0.3N.m

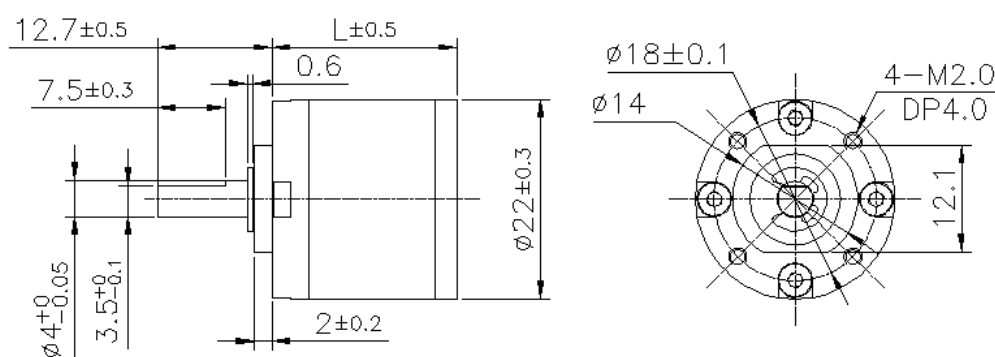
22mm Planetary Gearbox, Permissible Load Range: 0.03N.m~0.3N.m

Innenzahnrad-Material Ring material	Pulvermetall Powder meta
Lagerart Abtriebswelle Bearing at output	Sinterlager Sleeve bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	≤8N
Max. Axiallast Max. shaft axial load	≤6N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.2 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	≤50N



Aussen- und Einbaumasse

Dimensions



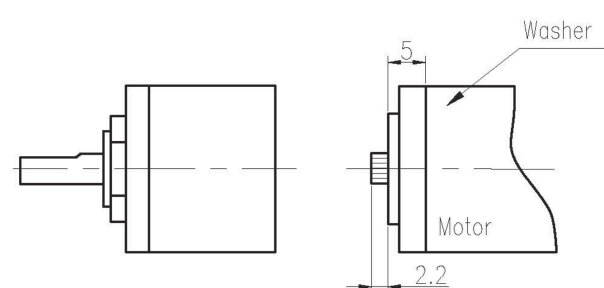
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	0.3	
Zahne No. of teeth	12	15
Eingriffswinkel Pressure angle	20°	
Bohrung Hole diameter	$\Phi 1.48$ $\Phi 1.98$	
Untersetzung Reduction ratio	1/4.75 1/24 1/107 1/509	1/4 1/16 1/19 1/64 1/76 1/90 1/256 1/304 1/361 1/429

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/4 1/4.75 1/6	0.03 N.m Max.	0.09 N.m	90 %	14.4 ± 0.5	25
1/16 1/19 1/24	0.12 N.m Max.	0.36 N.m	81 %	17.9 ± 0.5	31
1/64 1/76 1/96 1/107	0.24 N.m Max.	0.72 N.m	73 %	21.4 ± 0.5	35
1/256 1/304 1/361 1/428 1/509	0.30 N.m Max.	0.90 N.m	66 %	24.9 ± 0.5	59

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <8000 rpm. Temp.: -15°C~+80°C

Input & output same rotation direction Motor Max. input speed < 8000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

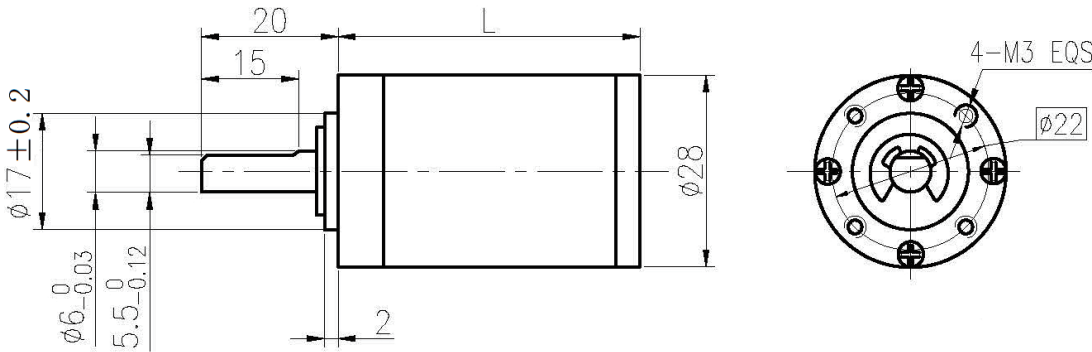
RP28

Φ28 Planetengetriebe, zul. Drehmoment: 0.1N.m~1.0N.m
28mm Planetary Gearbox, Permissible Load Range: 0.1N.m~1.0N.m

Innenzahnrad-Material Ring material	Pulvermetall Powder meta
Lagerart Abtriebswelle Bearing at output	Waelzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	50N
Max. Axiallast Max. shaft axial load	30N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	60N



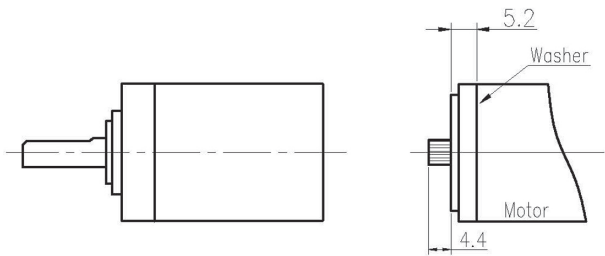
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	0.5	
Zaehne No. of teeth	11	17
Eingriffswinkel Pressure angle	20°	
Bohrung Hole diameter	Φ2.02 Φ2.32	
Untersetzung Reduction ratio	1/5 1/20 1/25 1/80 1/100 1/125	1/4 1/16 1/64 1/39

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/4 1/5	0.1 N.m Max.	0.3 N.m	90 %	23.3±0.5	65
1/16 1/20 1/25	0.4 N.m Max.	1.2 N.m	81 %	29 ±0.5	88
1/64 1/80 1/100 1/125	0.8N.m Max.	2.4 N.m	73 %	34.7±0.5	110
1/256 1/320 1/400 1/500 1/625	1.0 N.m Max.	3.0 N.m	66 %	40.4 ±0.5	141

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <10000 rpm. Temp.: -15°C~+80°C
 Input & output same rotation direction Motor Max. input speed < 10000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

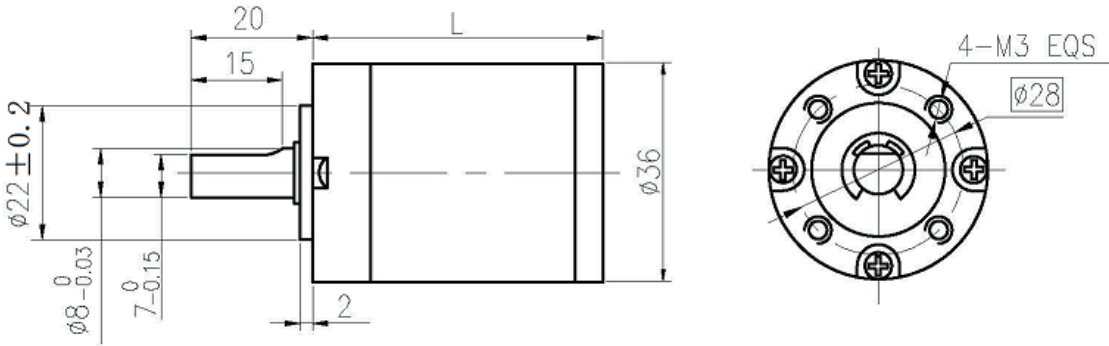
RP36

Φ36 Planetengetriebe, zul. Drehmoment: 0.5N.m~5.0N.m
36mm Planetary Gearbox, Permissible Load Range: 0.5N.m~5.0N.m

Innenzahnrad-Material Ring material	Pulvermetall Powder meta
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	100N
Max. Axiallast Max. shaft axial load	50N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.07 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	120N



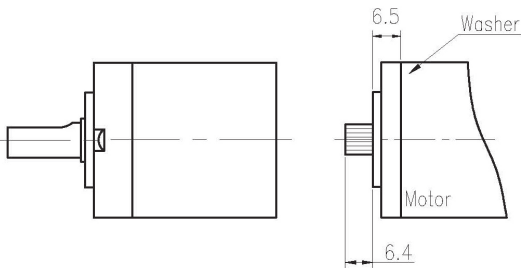
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	0.5	
Zahne No. of teeth	11	17
Eingriffswinkel Pressure angle	20°	
Bohrung Hole diameter	Φ3.16	Φ3.48
Untersetzung Reduction ratio	1/5.18 1/19 1/27 1/100 1/139 1/369 1/516 1/721	1/3.7 1/14 1/51 1/71 1/189 1/263

Montage Motorwellenritzel Motor Installation



Startzahnradhoehe: 1~2-stufig 6.4, 3~4-stufig 4.4

Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.7 1/5.2	0.5N.m Max.	1.5N.m	90 %	26.5±0.5	195
1/14 1/19 1/27	2.0N.m Max.	6 N.m	81 %	32.7±0.5	230
1/51 1/71 1/100 1/139	4.0N.m Max.	10 N.m	73 %	39±0.5	250
1/189 1/263 1/369 1/516 1/721	5.0N.m Max.	12 N.m	66 %	45±0.5	278

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <5000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 5000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RO37

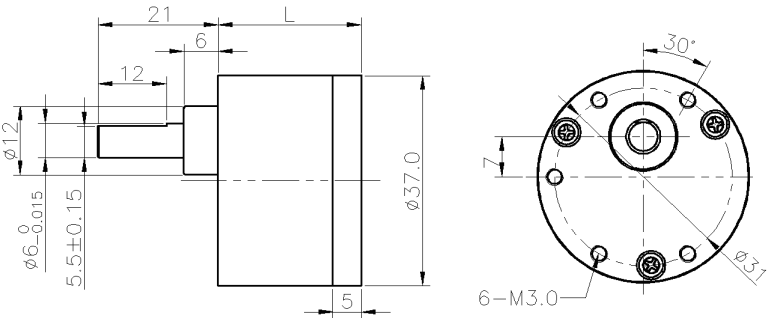
Φ37 Verstaerktes Getriebe, zul. Drehmoment: 0.1 N.m~1.0N.m
37mm OD Standard Gearbox, Permissible Load Range: 0.1 N.m ~1.0N.m

Innenzahnrad-Material Ring material	Metall meta
Lagerart Abtriebswelle Bearing at output	Sinterlager Sleeve bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	10 N
Max. Axiallast Max. shaft axial load	7 N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.05 mm
Axialspiel Axial play of shaft	≤0.35 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	200N



Aussen- und Einbaumasse

Dimensions



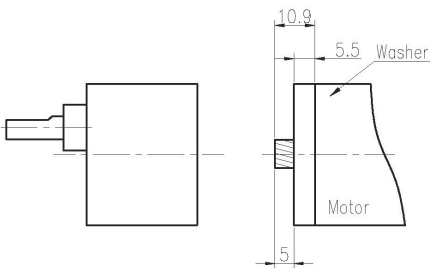
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	0.5
Zaehne No. of teeth	10
Eingriffswinkel Pressure angle	20°
Schraegungswinkel Helix angle	15° (rechts)
Bohrung Hole diameter	Φ3.16
Untersetzung Reduction ratio	Fuer alle Serien Practicable

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	Drehrichtung Ein-/Ausgang Englisch	L (mm)	Gewicht (g) Weight(g)
1/10	0.1N.m Max.	0.3 N.m	81 %	gleich	20±0.5	95
1/30 1/33.3	0.4N.m Max.	1.2 N.m	73 %	gegenlaeufig	22.5±0.5	105
1/50 1/60 1/90 1/100	1.0N.m Max.	3.0 N.m	66 %	gleich	25.0±0.5	112
1/120 1/150 1/166.6 1/180 1/200 1/240 1/300	1.0N.m Max.	3.0 N.m	59 %	gegenlaeufig	27.5±0.5	122

Empf. max. Motordrehzahl: <5000 rpm. Betriebstemperatur: -15°C~+70°C
Motor Max. input speed < 5000rpm Operating temperature range: -15°C ~+70°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

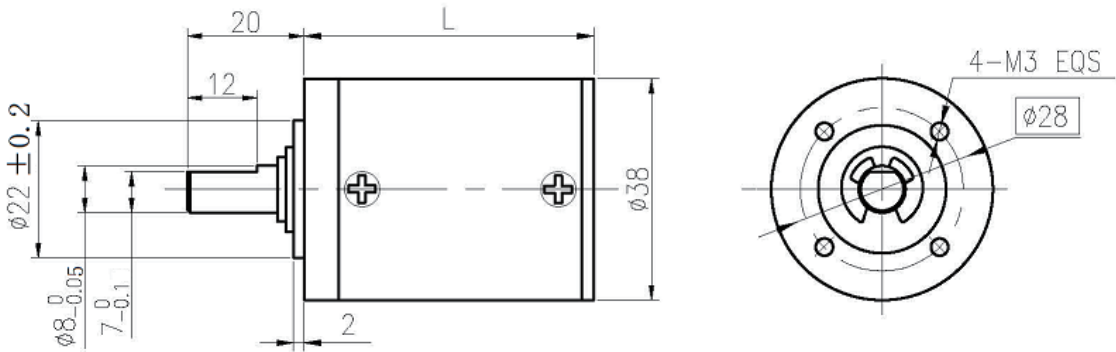
RP38

Φ38 Planetengetriebe, zul. Drehmoment: 0.8N.m~8N.m
 38mm Planetary Gearbox, Permissible Load Range: 0.8N.m~8N.m

Innenzahnrad-Material Ring material	Metall Metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	150N
Max. Axiallast Max. shaft axial load	80N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.06 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	120N



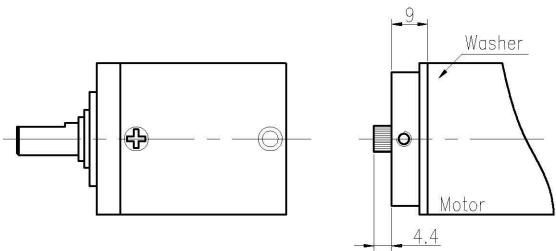
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	0.6	
Zahne No. of teeth	11	17
Eingriffswinkel Pressure angle	20°	
Bohrung Hole diameter	Φ3.16 Φ3.98 Φ4.48	
Untersetzung Reduction ratio	1/6 1/24 1/36 1/96 1/144 1/256 1/384 1/576 1/864 1/1296	1/4 1/16 1/64 1/216

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/4 1/6	0.8 N.m Max.	2.4 N.m	90 %	30.0	
1/16 1/24 1/36	3.0 N.m Max.	9 N.m	81 %	39.5	
1/64 1/96 1/144 1/216	6.0 N.m Max.	18 N.m	73 %	49.2	
1/256 1/384 1/576 1/864 1/1296	8.0 N.m Max.	24 N.m	66 %	58.7	

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <8000 rpm. Temp.: -15°C~+80°C
 Input & output same rotation direction Motor Max. input speed < 8000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

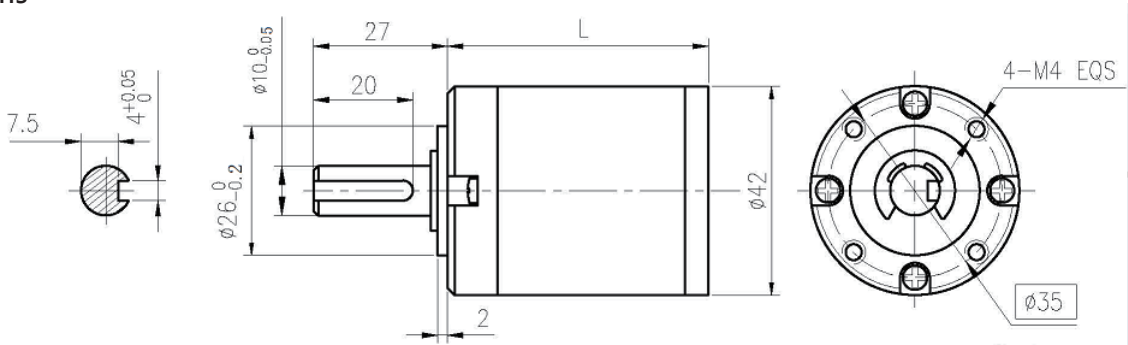
RP42

Φ42 Planetengetriebe, zul. Drehmoment: 1.5N.m~15N.m
42mm Planetary Gearbox, Permissible Load Range: 1.5N.m~15N.m

Innenzahnrad-Material Ring material	Pulvermetall Powder meta
Lagerart Abtriebswelle Bearing at output	Waelzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	200N
Max. Axiallast Max. shaft axial load	100N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.06 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	150N



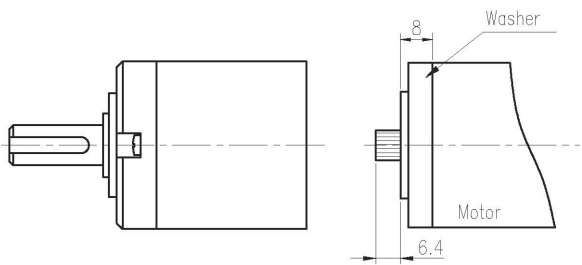
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	0.6					
Zaehne No. of teeth	11			17		
Eingriffswinkel Pressure angle	20°					
Bohrung Hole diameter	Φ3.98					
Untersetzung Reduction ratio	1/5.2	1/19	1/27	1/71	1/100	1/3.7 1/14 1/50 1/189 1/262

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.7 1/5.2	1.5 N.m Max.	3 N.m	90 %	34	244
1/14 1/19 1/27	4 N.m Max.	12 N.m	81 %	44.2	314
1/50 1/71 1/100 1/139	10 N.m Max.	25 N.m	73 %	54.4	433
1/189 1/262 1/369 1/516 1/721	15 N.m Max.	38 N.m	66 %	64.6	519

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RP45

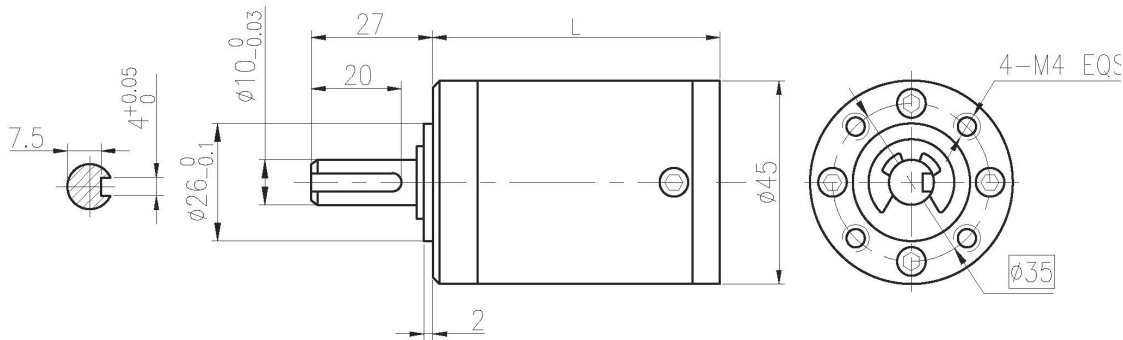
Φ45 Planetengetriebe, zul. Drehmoment: 0.1N.m~10N.m
45mm Planetary Gearbox, Permissible Load Range: 0.1N.m~10N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	200N
Max. Axiallast Max. shaft axial load	100N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.06 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	≤150N



Aussen- und Einbaumasse

Dimensions



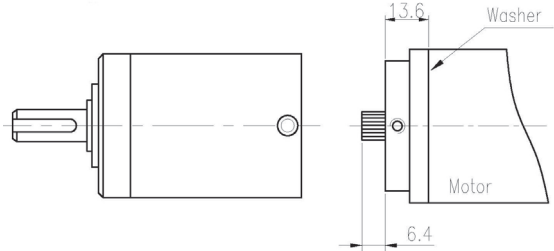
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	0.6					
Zahne No. of teeth	11			17		
Eingriffswinkel Pressure angle	20°					
Bohrung Hole diameter	Φ3.16 Φ3.98 Φ4.48					
Untersetzung Reduction ratio	1/5.2	1/19	1/27	1/71	1/100	1/3.7 1/14 1/51 1/189
	1/139	1/264	1/369	1/516	1/721	

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.7 1/5.2	1.0 N.m Max	3.0 N.m	90 %	41.3±0.5	417
1/14 1/19 1/27	4.0 N.m Max	12 N.m	81 %	51.6±0.5	449
1/51 1/71 1/100 1/139	8.0 N.m Max	25 N.m	73 %	64.4±0.5	569
1/189 1/264 1/369 1/516 1/721	10 N.m Max	30 N.m	66 %	74.7±0.5	672

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <5000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 5000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

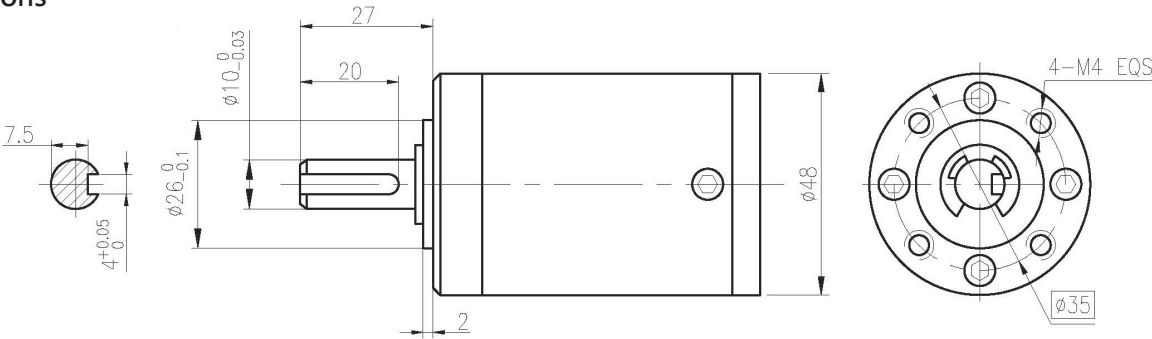
RP48

Φ42 Planetengetriebe, zul. Drehmoment: 2N.m~20N.m
42mm Planetary Gearbox, Permissible Load Range: 2N.m~20N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	200N
Max. Axiallast Max. shaft axial load	100N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.06 mm
Axialspiel Axial play of shaft	≤0.3 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	≤150N



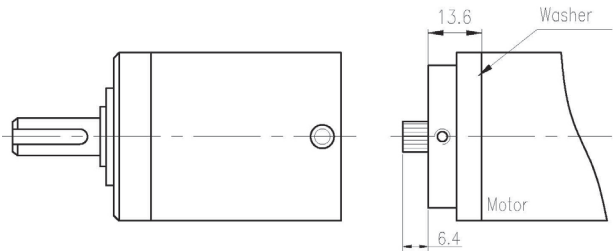
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	0.5		
Zahne No. of teeth	16	18	22
Eingriffswinkel Pressure angle	20°		
Bohrung Hole diameter	Φ3.98 Φ4.48 Φ4.98		
Untersetzung Reduction ratio	1/22 1/83 1/106 1/316 1/403 1/515 1/1206 1/1540 1/1966 1/2510	1/4.44	1/17 1/65 1/247 1/944

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/4.44	2 N.m Max.	6 N.m	90 %	37.8±0.5	310
1/17 1/22	8 N.m Max.	25 N.m	81 %	48.4±0.5	450
1/65 1/83 1/106	16 N.m Max.	50 N.m	73 %	58.8±0.5	580
1/247 1/316 1/403 1/515	20 N.m Max	60 N.m	66 %	71.2±0.5	688
1/945 1/1206 1/1540 1/1966 1/2510	20 N.m Max	60 N.m	59 %	81.6±0.5	798

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <4000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 4000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

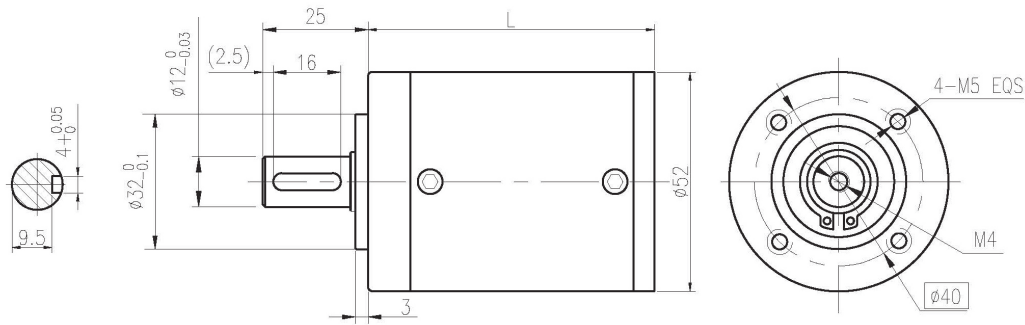
RP52

Φ52 Planetengetriebe, zul. Drehmoment: 3N.m~30N.m
52mm Planetary Gearbox, Permissible Load Range: 3N.m~30N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	300N
Max. Axiallast Max. shaft axial load	200N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.4 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	300N



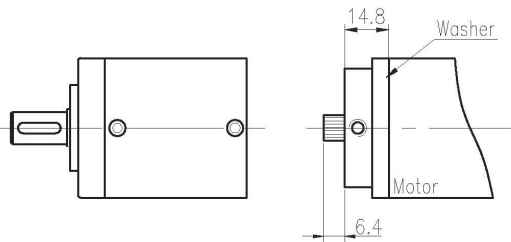
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	1.0		
Zahne No. of teeth	12	15	9
Eingriffswinkel Pressure angle	20°		
Bohrung Hole diameter	Φ6H7		
Untersetzung Reduction ratio	1/4.25 1/15 1/18 1/23 1/52 1/61 1/72 1/96 1/121 1/220 1/260 1/307	1/3.6 1/13 1/43 1/154 1/187	1/5.33 1/28

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.6 1/4.25 1/5.33	3 N.m Max.	9 N.m	90 %	45.7±0.5	442
1/13 1/15 1/18 1/23 1/28	12 N.m Max.	36 N.m	81 %	57.2±0.5	574
1/43 1/52 1/61 1/72 1/96 1/121	24 N.m Max.	72 N.m	73 %	68.5±0.5	702
1/154 1/187 1/220 1/260 1/307	30 N.m Max.	90 N.m	66 %	79.8±0.5	837

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <6000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 6000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RP56

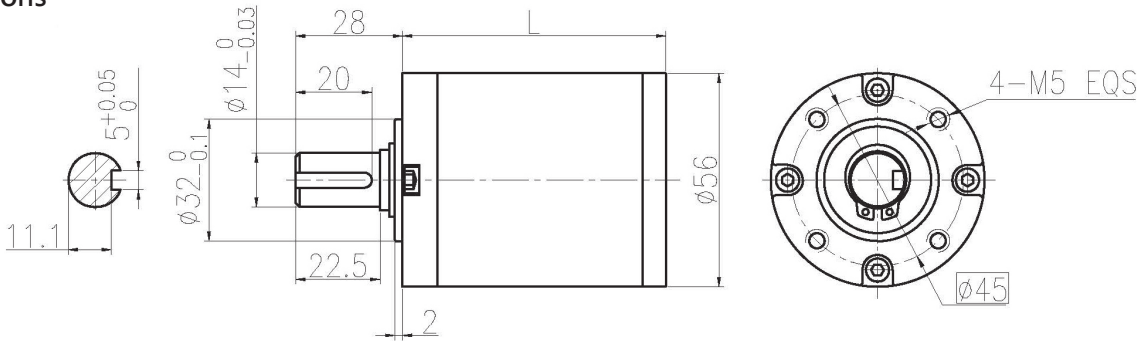
Φ60 Planetengetriebe, zul. Drehmoment: 4N.m~45N.m
60mm Planetary Gearbox, Permissible Load Range: 4N.m~45N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	400N
Max. Axiallast Max. shaft axial load	120N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.4 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	300N



Aussen- und Einbaumasse

Dimensions



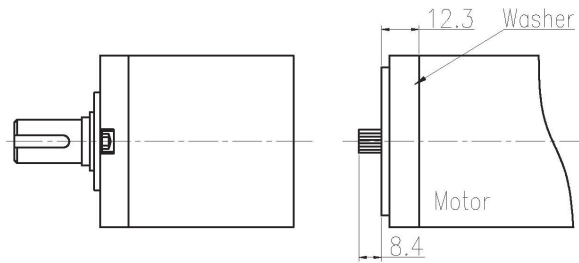
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	1.0		
Zahne No. of teeth	12	15	9
Eingriffswinkel Pressure angle	20°		
Bohrung Hole diameter	Φ6H7		
Untersetzung Reduction ratio	1/4.25 1/15 1/18 1/23 1/52 1/61 1/72 1/96 1/121 1/220 1/260 1/307	1/3.6 1/13 1/43 1/154 1/187	1/5.33 1/28

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.6 1/4.25 1/5.33	4 N.m Max.	12 N.m	90 %	40.3±0.5	510
1/13 1/15 1/18 1/23 1/28	18 N.m Max.	50 N.m	81 %	53.8±0.5	720
1/43 1/52 1/61 1/72 1/96 1/121	36 N.m Max.	100 N.m	73 %	67.2±0.5	930
1/154 1/187 1/220 1/260 1/307	45 N.m Max.	110 N.m	66 %	80.6±0.5	1150

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <6000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 6000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

RP62

Φ62 Planetengetriebe, zul. Drehmoment: 3N.m~30N.m

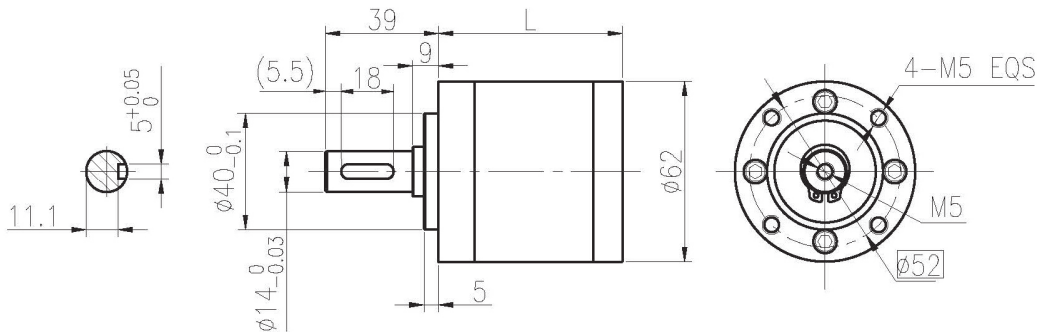
62mm Planetary Gearbox, Permissible Load Range: 3N.m~30N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	300N
Max. Axiallast Max. shaft axial load	200N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.4 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	300N



Aussen- und Einbaumasse

Dimensions



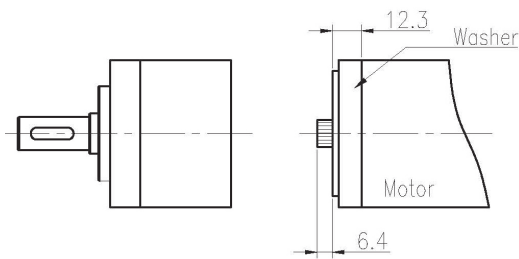
Motorwellen-Ritzeltyp

Pinion Specifications

Modul Module	1.0					
Zahne No. of teeth	12			15		9
Eingriffswinkel Pressure angle	20°					
Bohrung Hole diameter	Φ6H7					
Untersetzung Reduction ratio	1/4.25	1/15	1/18	1/23	1/61	1/3.6 1/13
	1/72	1/96	1/121	1/220	1/260	1/43 1/52
					1/307	1/154 1/187
						1/5.33 1/28

Montage Motorwellenritzel

Motor Installation



Standard-Untersetzung

Gearbox Specifications

Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.6 1/4.25 1/5.33	3 N.m Max.	9 N.m	90 %	37.8±0.5	489
1/13 1/15 1/18 1/23 1/28	12 N.m Max.	36 N.m	81 %	49.5±0.5	681
1/43 1/52 1/61 1/72 1/96 1/121	24 N.m Max.	72 N.m	73 %	60.8±0.5	871
1/154 1/187 1/220 1/260 1/307	30 N.m Max.	90 N.m	66 %	71.9±0.5	1066

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <6000 rpm. Temp.: -15°C~+80°C

Input & output same rotation direction Motor Max. input speed < 6000rpm Operating temperature range: -15°C ~+80°C

Getriebemotor

Planetengetriebe (Innenzahnrad: Pulvermetall) Planetary Gearbox (Ring Gear Material: Powder Metal)

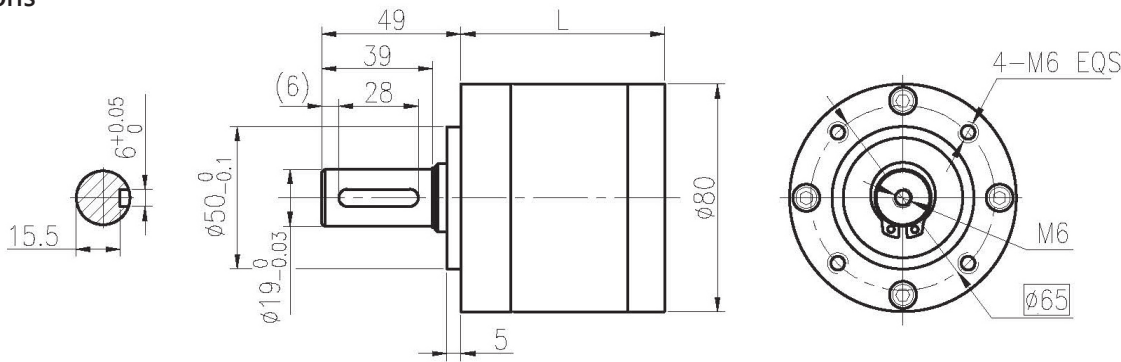
RP80

Φ80 Planetengetriebe, zul. Drehmoment: 8N.m~80N.m
80mm Planetary Gearbox, Permissible Load Range: 8N.m~80N.m

Innenzahnrad-Material Ring material	Metall metal
Lagerart Abtriebswelle Bearing at output	Wälzlager Ball bearings
Max. Radiallast (6 mm ab Flansch) Max. Radial load (6mm from flange)	600N
Max. Axiallast Max. shaft axial load	200N
Radialspiel (Messpunkt nahe Flansch) Radial play of shaft (near to flange)	≤0.08 mm
Axialspiel Axial play of shaft	≤0.4 mm
Spiel (ohne Last) Backlash at no-load	≤2.5°
Max. Einpresskraft Abtriebswelle Shaft press fit force, max	1000N



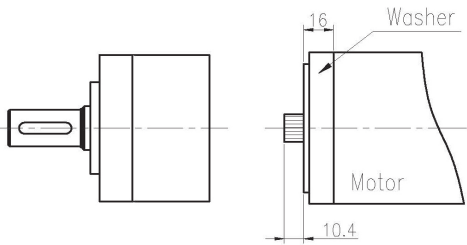
Aussen- und Einbaumasse Dimensions



Motorwellen-Ritzeltyp Pinion Specifications

Modul Module	1.0		
Zahne No. of teeth	10	13	22
Eingriffswinkel Pressure angle	20°		
Bohrung Hole diameter	10-Zahne-Ritzelwelle	Φ7H7	Φ8H7
Untersetzung Reduction ratio	1/6.60 1/23 1/26 1/37 1/92 1/138	1/5.31 1/19 1/30 1/74 1/111	1/3.55 1/13 1/50

Montage Motorwellenritzel Motor Installation



Standard-Untersetzung Gearbox Specifications

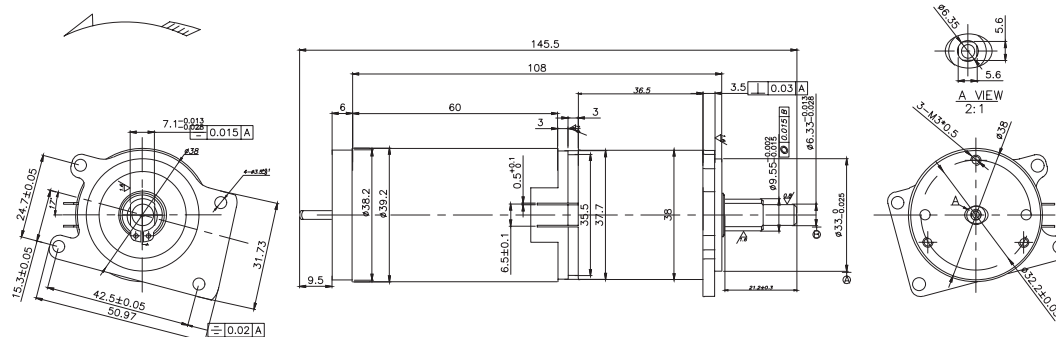
Untersetzung Reduction ratio	Zulaessige Nennlast Rated tolerance torque	Zulaessige Spitzenlast Max momentary tolerance torque	Wirkungsgrad Efficiency	L (mm)	Gewicht (g) Weight(g)
1/3.55 1/5.31 1/6.60	8 N.m Max.	12 N.m	90 %	55.7±0.8	1100
1/13 1/19 1/23	30 N.m Max.	45 N.m	81 %	72.2±0.8	1500
1/26 1/30 1/37	60 N.m Max.	90 N.m	81 %	72.2±0.8	1500
1/50 1/74 1/92 1/111 1/138	80 N.m Max.	120 N.m	73 %	88.5±0.8	1880

Drehrichtung Ein-/Ausgang: gleich. Max. Motordrehzahl: <4000 rpm. Temp.: -15°C~+80°C
Input & output same rotation direction Motor Max. input speed < 4000rpm Operating temperature range: -15°C ~+80°C

RP38RC-39605DC

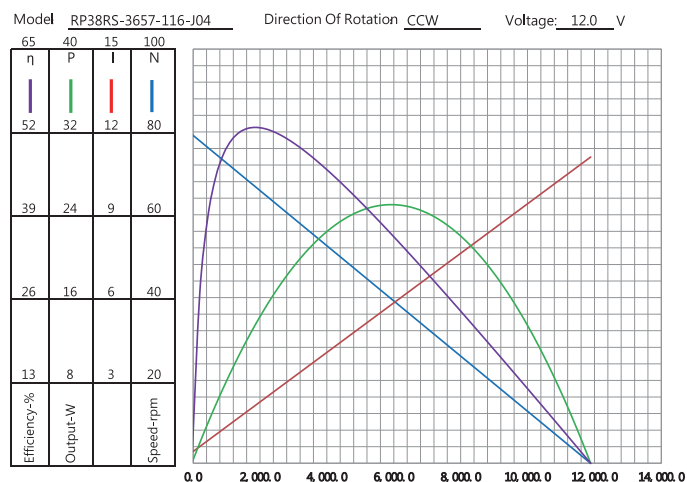
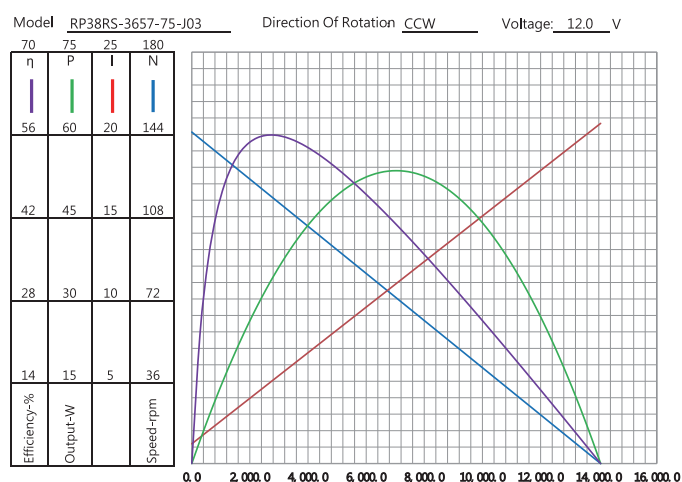
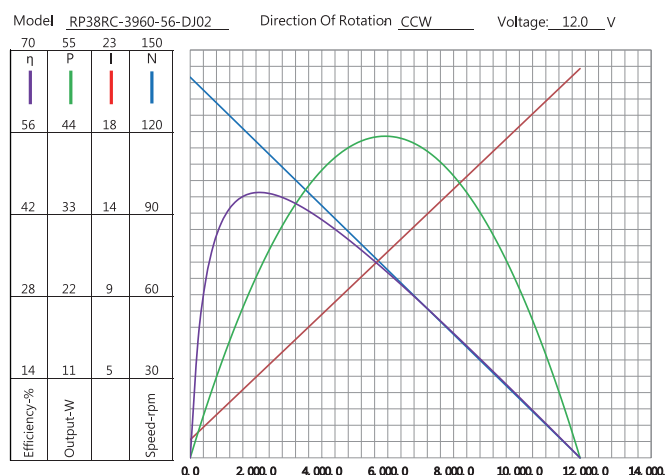
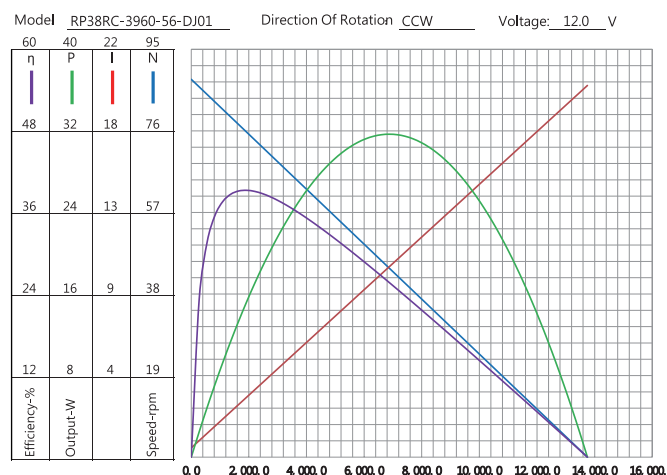
Einsatz:

Elektrische Servolenkung (EPS)



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			rpm	A	rpm	A	g.cm	mN-m	W	%	g.cm	mN-m
RP38RC-3960-56-DJ01	9.0-15.0	12.0V CONSTANT	88	0.5	70	4.3	28675	2811.27	21.8	57	185200	18156.86
RP38RC-3960-56-DJ02	9.0-15.0	12.0V CONSTANT	140	0.6	100	5.5	24175	2370.10	28.7	45.5	140000	13725.49
RP38RS-3657-75-J03	9.0-15.0	12.0V CONSTANT	145	1.2	117	4.96	27700	2715.69	33.85	56.76	42200	4137.25
RP38RS-3657-116-J04	9.0-15.0	12.0V CONSTANT	80	0.4	67	2.15	19900	1950.98	14.06	54.22	127200	12470.59

Wellenlaenge, Leistung und EMV nach Wunsch. Details beim Vertrieb.





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