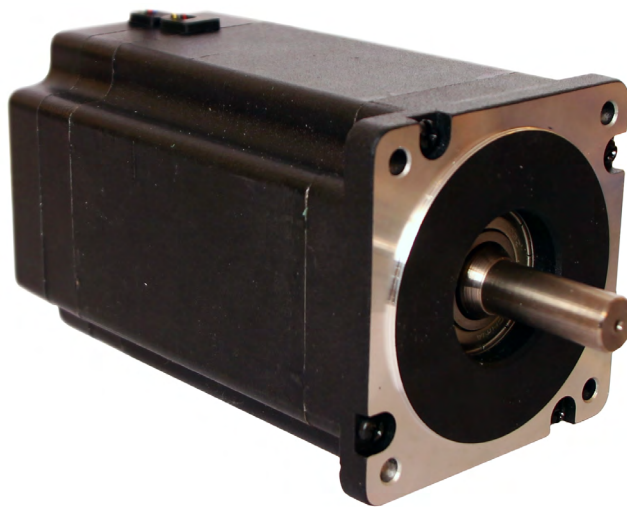


Brushless DC motors 1W - 1300W General catalogue



BR2245 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

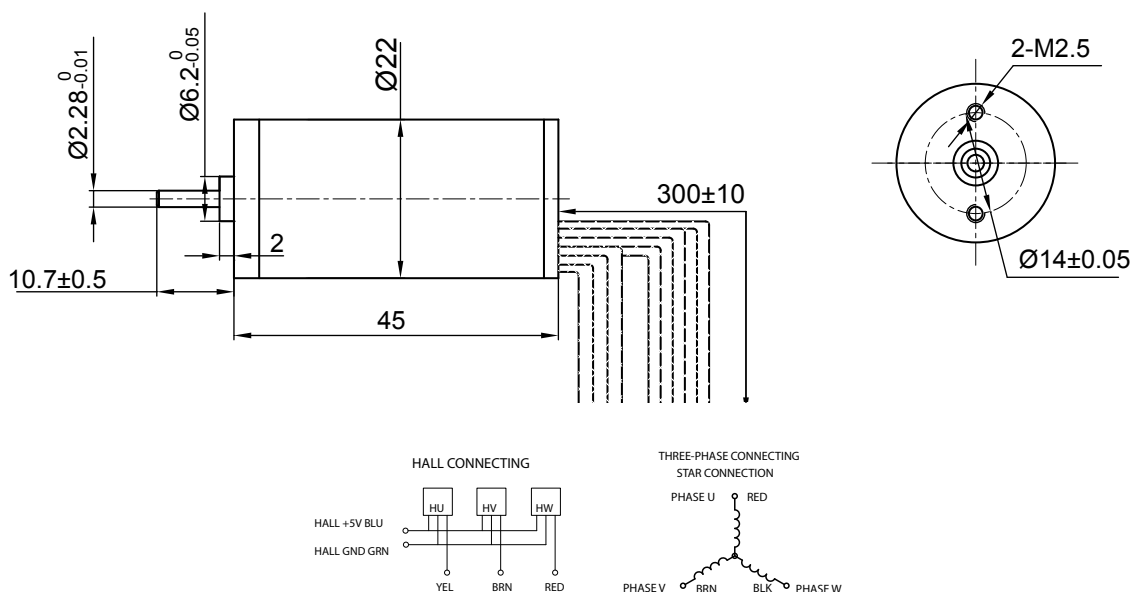
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR2245-12	BR2245-24		Units	B2245
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	4.3	3.8	Max. permissible winding temperature	°C	120
No load speed	rpm	7500	7000	Max. permissible speed	rpm	15000
No load current	mA	40	30	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	4800	4800	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	9.6	9.6	Radial play	mm@g	0.02@460
Nominal current (max. continuous current)	A	1.1	0.7	Max. axial load (dynamic)	N	4.4
Stall torque	mNm	20	21	Max. force for press fits (static)	N	4.4
Max. Efficiency	%	50	50	Max. force for press fits (static, shaft supported)	N	4.4
Terminal resistance phase to phase	Ω	5.25	23	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	1.6	6.2	Number of pole pairs		8
Torque constant	mNm / A	15.84	30.2	Number of phases		3
Rotor inertia	gcm ²	0.66	0.66	Weight of motor	g	70

APPEARANCE SIZE



BR2268 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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FEATURES

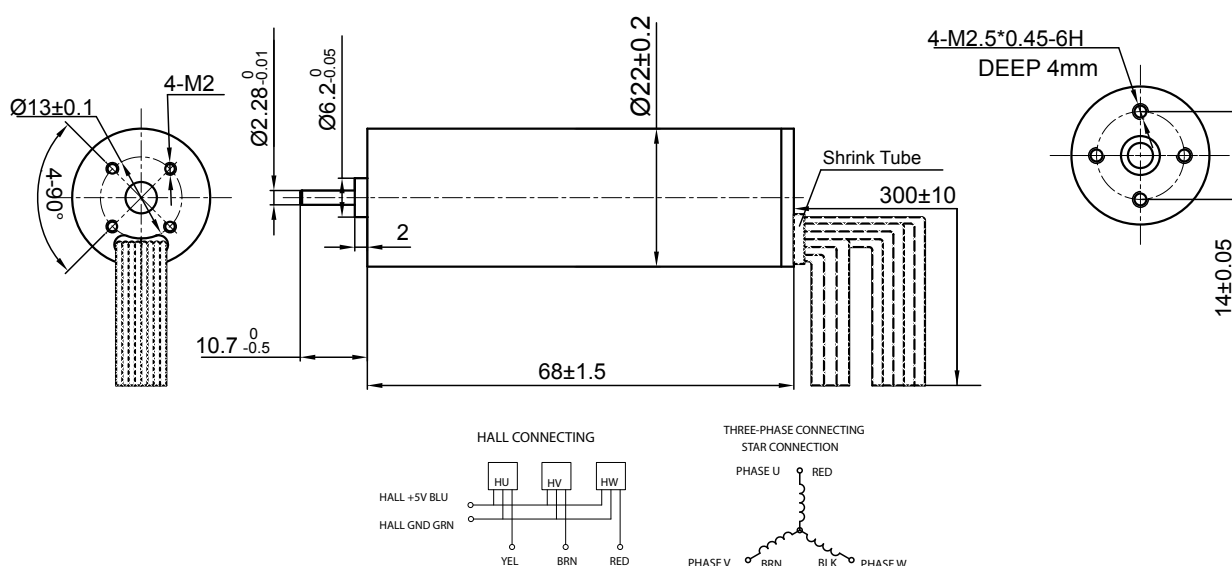
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR2268-12	BR2268-24		Units	BR2268
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	7	7	Max. permissible winding temperature	°C	120
No load speed	rpm	6000	6000	Max. permissible speed	rpm	15000
No load current	mA	40	40	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	3500	3500	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	24	24	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	1.3	0.65	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	48	50	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	56	56	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	2.86	11.8	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	1.05	4.2	Number of pole pairs		8
Torque constant	mNm / A	18.22	35.5	Number of phases		3
Rotor inertia	gcm ²	1.32	1.32	Weight of motor	g	120

APPEARANCE SIZE



BR2826 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

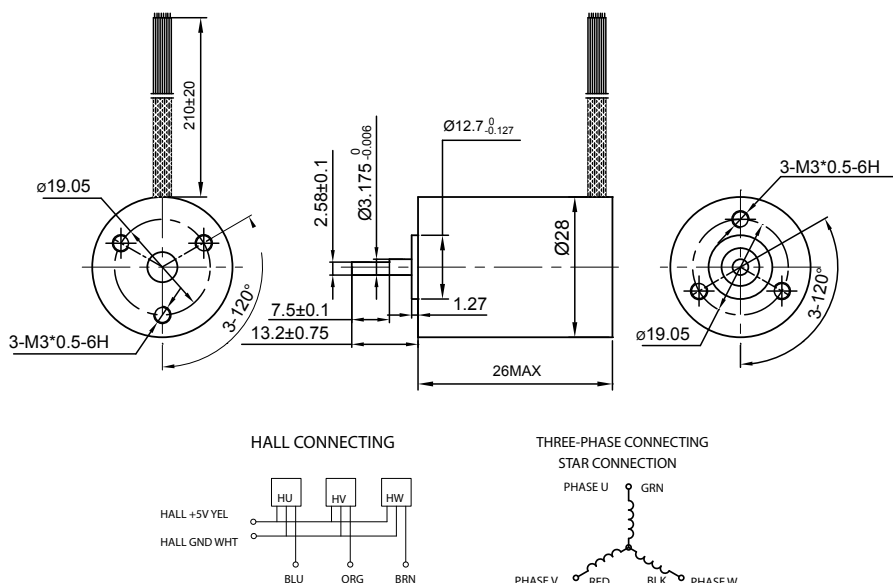
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR2826-12	BR2826-24		Units	BR2826
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	5	5	Max. permissible winding temperature	°C	120
No load speed	rpm	10000	9600	Max. permissible speed	rpm	15000
No load current	mA	30	30	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	8000	8000	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	8	8	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	1.25	1.5	Max. axial load (dynamic)	N	4.4
Stall torque	mNm	21	21	Max. force for press fits (static)	N	4.4
Max. Efficiency	%	50	52	Max. force for press fits (static, shaft supported)	N	4.4
Terminal resistance phase to phase	Ω	5.4	8	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	1.68	2	Number of pole pairs		4
Torque constant	mNm / A	10.2	13.7	Number of phases		3
Rotor inertia	gcm ²	2.35	2.35	Weight of motor	g	60

APPEARANCE SIZE



BR2838 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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FEATURES

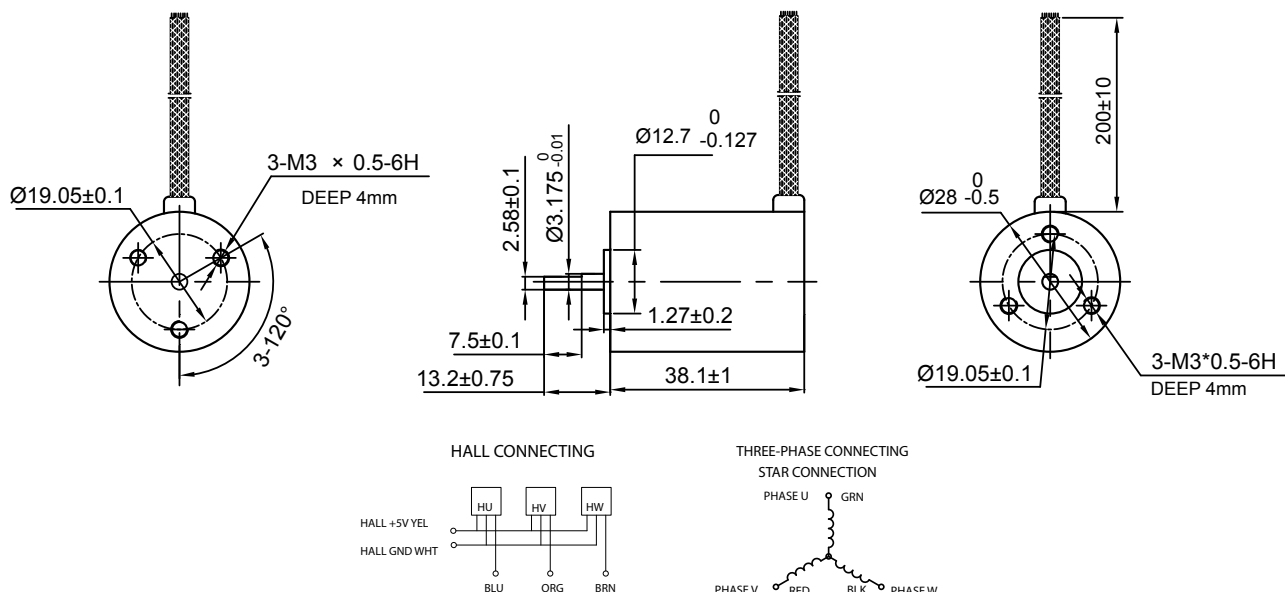
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR2838-12	BR2838-24		Units	BR2838
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	14	14	Max. permissible winding temperature	°C	120
No load speed	rpm	13000	13000	Max. permissible speed	rpm	15000
No load current	mA	30	40	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	10000	10000	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	17	17	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	2	2,5	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	45	45	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	60	64	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	1,1	4,2	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	0,4	1,69	Number of pole pairs		4
Torque constant	mNm / A	10	16	Number of phases		3
Rotor inertia	gcm ²	3,69	3,69	Weight of motor	g	82

APPEARANCE SIZE



BR2877 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

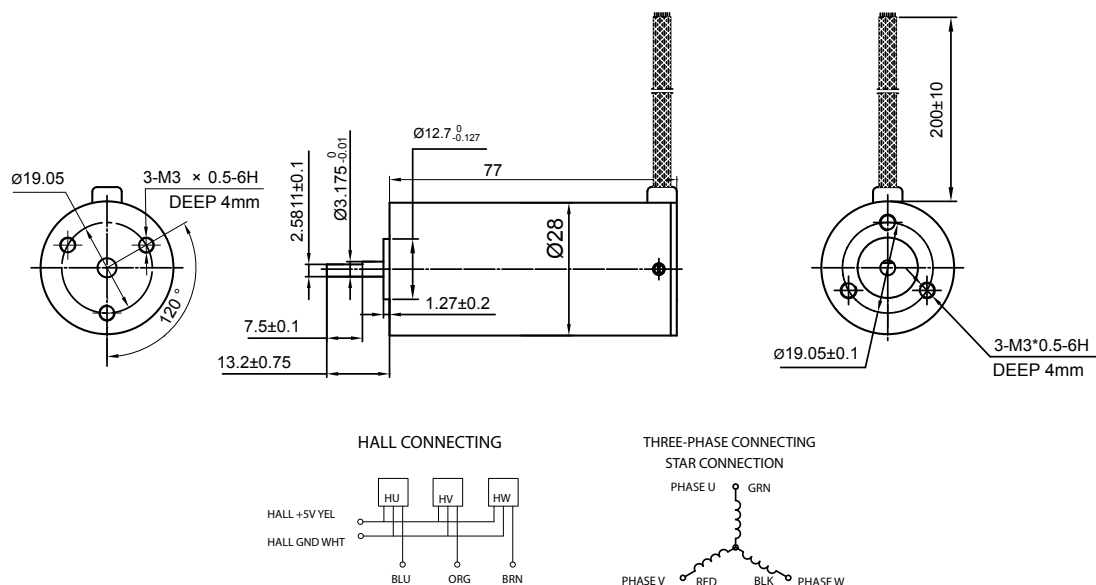
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR2877-12	BR2877-24		Units	BR2877
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	19	19	Max. permissible winding temperature	°C	120
No load speed	rpm	6000	6000	Max. permissible speed	rpm	15000
No load current	mA	40	40	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	3700	3700	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	60	60	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	2,7	4,2	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	150	150	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	65	68	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	1,24	4,2	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	0,64	2,2	Number of pole pairs		4
Torque constant	mNm / A	18,3	35,56	Number of phases		3
Rotor inertia	gcm ²	10,98	10,98	Weight of motor	g	200

APPEARANCE SIZE



BR3337 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

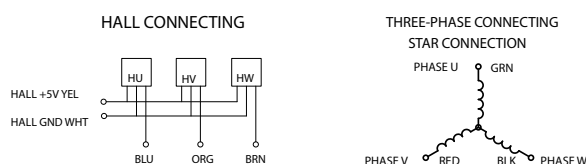
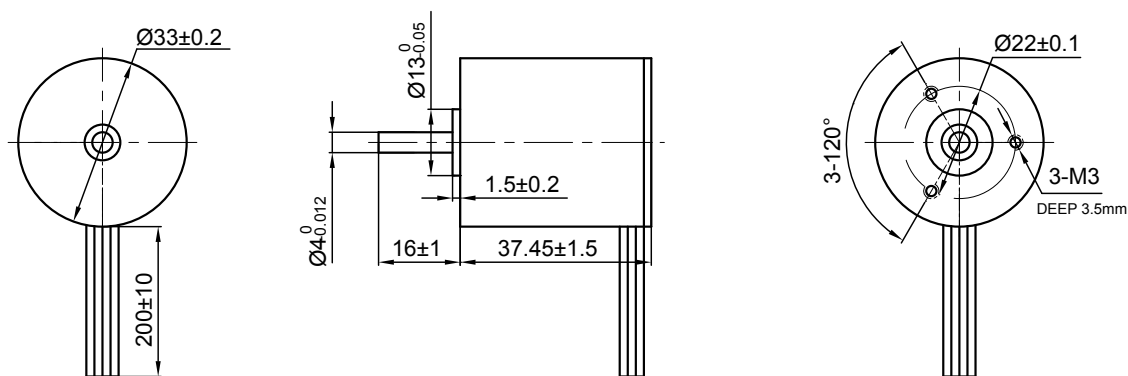
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR3337-12	BR3337-24		Units	BR3337
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	4	7	Max. permissible winding temperature	°C	120
No load speed	rpm	5000	4500	Max. permissible speed	rpm	15000
No load current	mA	30	30	Axial play at axial load < 3,5 N	mm	0.08
Nominal speed	rpm	3000	3000	Axial play at axial load > 3,5 N	mm	0.08
Nominal torque (max. continuous torque)	mNm	26,4	26,4	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	0,8	1,5	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	50	66	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	55	56	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	3,4	12,8	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	1,8	7	Number of pole pairs		4
Torque constant	mNm / A	23,05	46,09	Number of phases		3
Rotor inertia	gcm ²	7,95	7,95	Weight of motor	g	85

APPEARANCE SIZE



BR3380 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

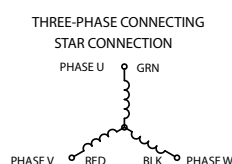
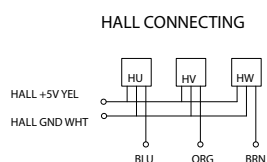
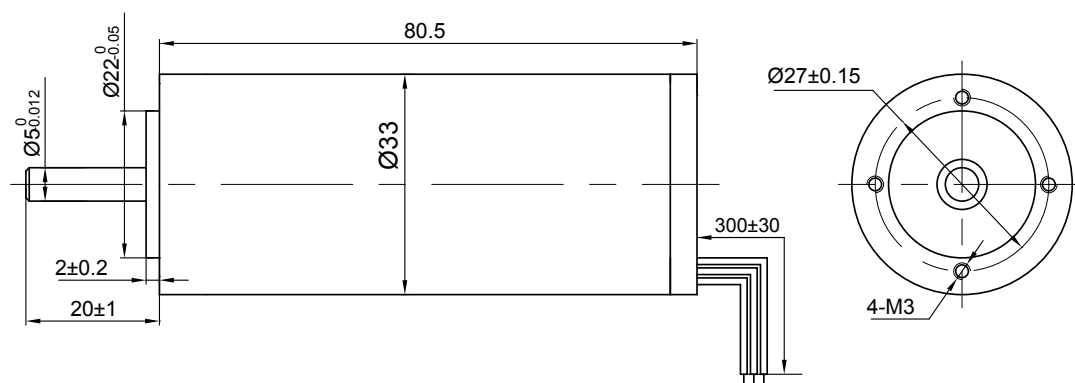
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR3380		Units	BR3380
Nominal voltage	V	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	41.5	Max. permissible winding temperature	°C	120
No load speed	rpm	11000	Max. permissible speed	rpm	15000
No load current	mA	50	Axial play at axial load < 3,5 N	mm	0,06
Nominal speed	rpm	10000	Axial play at axial load > 3,5 N	mm	0,06
Nominal torque (max. continuous torque)	mNm	48	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	11,5	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	350	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	75	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	1,43	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	0,88	Number of pole pairs		4
Torque constant	mNm / A	30,62	Number of phases		3
Rotor inertia	gcm ²	23,55	Weight of motor	g	200

APPEARANCE SIZE



BR4230 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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FEATURES

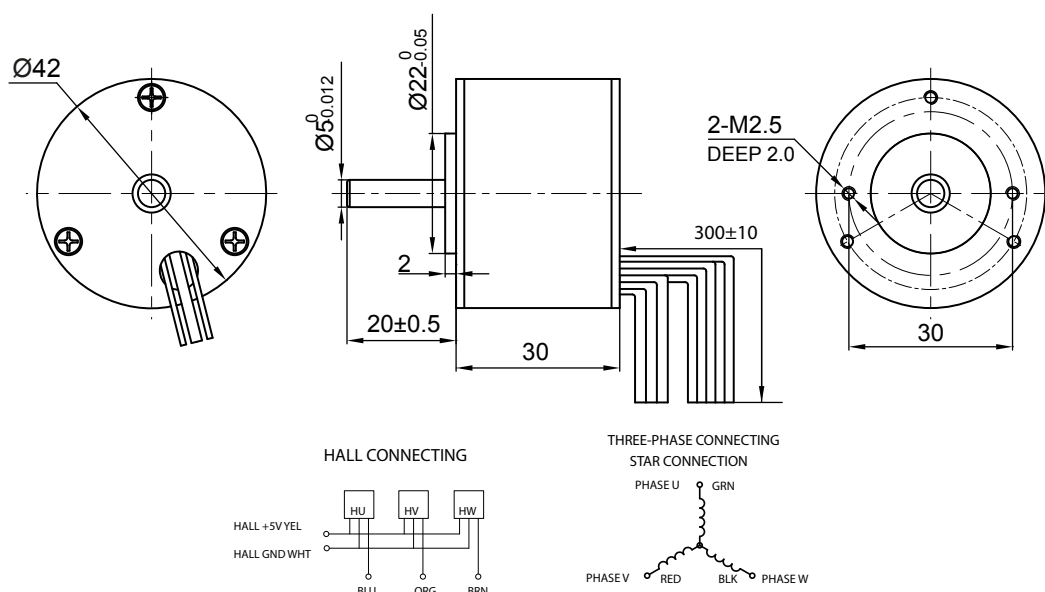
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR4230-12	BR4230-24		Units	BR4230
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	10	8.4	Max. permissible winding temperature	°C	120
No load speed	rpm	6600	5500	Max. permissible speed	rpm	15000
No load current	mA	40	40	Axial play at axial load < 3,5 N	mm	0,07
Nominal speed	rpm	5000	4000	Axial play at axial load > 3,5 N	mm	0,07
Nominal torque (max. continuous torque)	mNm	24	24	Radial play	mm@g	0.02@450
Nominal current (max. continuous current)	A	1,6	2	Max. axial load (dynamic)	N	4,4
Stall torque	mNm	60	60	Max. force for press fits (static)	N	4,4
Max. Efficiency	%	55	60	Max. force for press fits (static, shaft supported)	N	4,4
Terminal resistance phase to phase	Ω	1,08	5,9	Max. radial loading, 10 mm from flange	N	4
Terminal inductance phase to phase	mH	0,84	5,1	Number of pole pairs		8
Torque constant	mNm / A	16,12	48,7	Number of phases		3
Rotor inertia	gcm ²	24	24	Weight of motor	g	250

APPEARANCE SIZE



BR4260 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

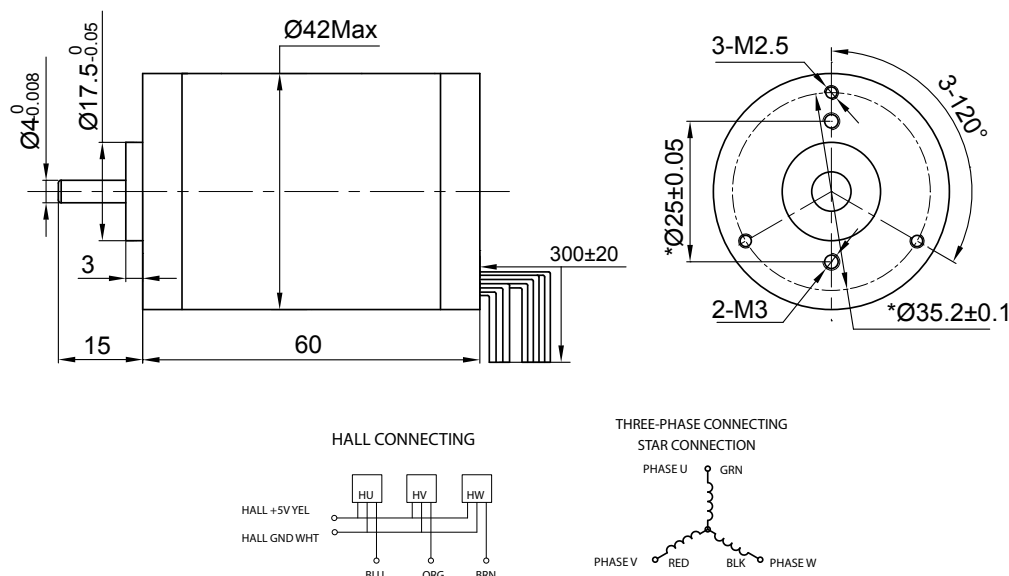


BRUSHLESS MOTOR DATA

	Units	BR4260-12	BR4260-24
Nominal voltage	V	12	24
Nominal power	W	25	25
No load speed	rpm	5800	5600
No load current	mA	50	50
Nominal speed	rpm	4200	4200
Nominal torque (max. continuous torque)	mNm	67	67
Nominal current (max. continuous current)	A	3,2	6,5
Stall torque	mNm	210	240
Max. Efficiency	%	65	72
Terminal resistance phase to phase	Ω	0,48	1,6
Terminal inductance phase to phase	mH	0,44	1,94
Torque constant	mNm / A	19,73	38,5
Rotor inertia	gcm ²	48	48

	Units	BR4260
Ambient temperature	°C	-15°C ----- +40°C
Max. permissible winding temperature	°C	120
Max. permissible speed	rpm	15000
Axial play at axial load < 3,5 N	mm	0,06
Axial play at axial load > 3,5 N	mm	0,06
Radial play	mm@g	0.02@450
Max. axial load (dynamic)	N	4,4
Max. force for press fits (static)	N	4,4
Max. force for press fits (static, shaft supported)	N	4,4
Max. radial loading, 10 mm from flange	N	4
Number of pole pairs		8
Number of phases		3
Weight of motor	g	400

APPEARANCE SIZE



BR4285 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

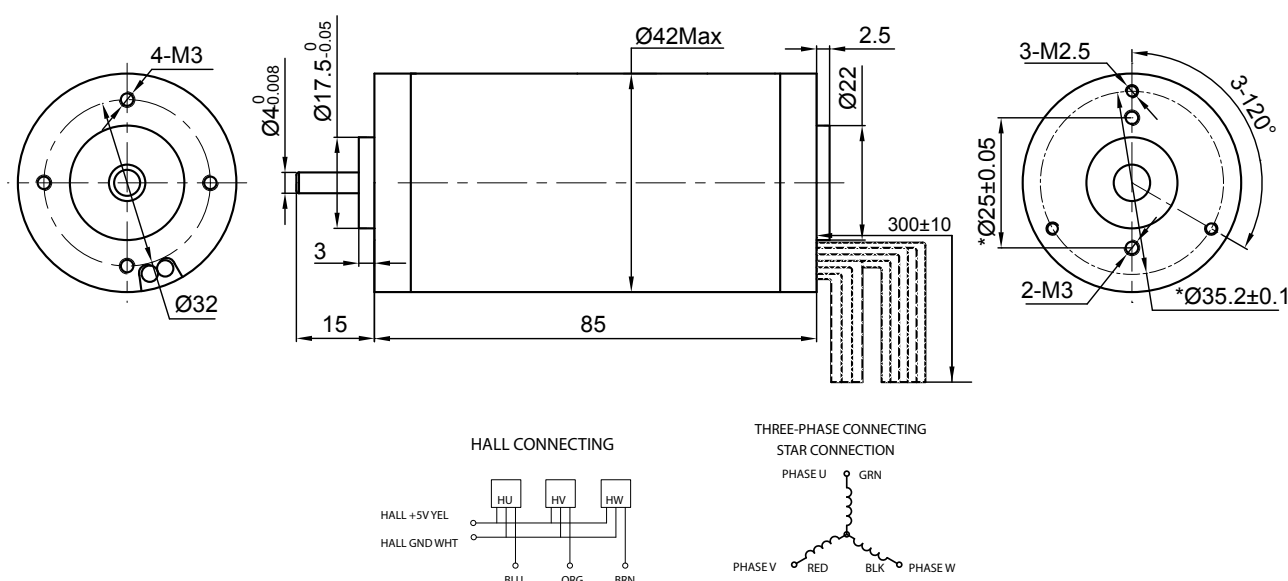


BRUSHLESS MOTOR DATA

	Units	BR4285-24
Nominal voltage	V	24
Nominal power	W	62
No load speed	rpm	6000
No load current	mA	65
Nominal speed	rpm	4000
Nominal torque (max. continuous torque)	mNm	180
Nominal current (max. continuous current)	A	12
Stall torque	mNm	450
Max. Efficiency	%	73
Terminal resistance phase to phase	Ω	0,71
Terminal inductance phase to phase	mH	0,86
Torque constant	mNm / A	38,6
Rotor inertia	gcm ²	84

	Units	BR4285
Ambient temperature	°C	-15°C ----- +40°C
Max. permissible winding temperature	°C	120
Max. permissible speed	rpm	15000
Axial play at axial load < 3,5 N	mm	0,06
Axial play at axial load > 3,5 N	mm	0,06
Radial play	mm@g	0.02@450
Max. axial load (dynamic)	N	4,4
Max. force for press fits (static)	N	4,4
Max. force for press fits (static, shaft supported)	N	4,4
Max. radial loading, 10 mm from flange	N	4
Number of pole pairs		8
Number of phases		3
Weight of motor	g	700

APPEARANCE SIZE



BR4293 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

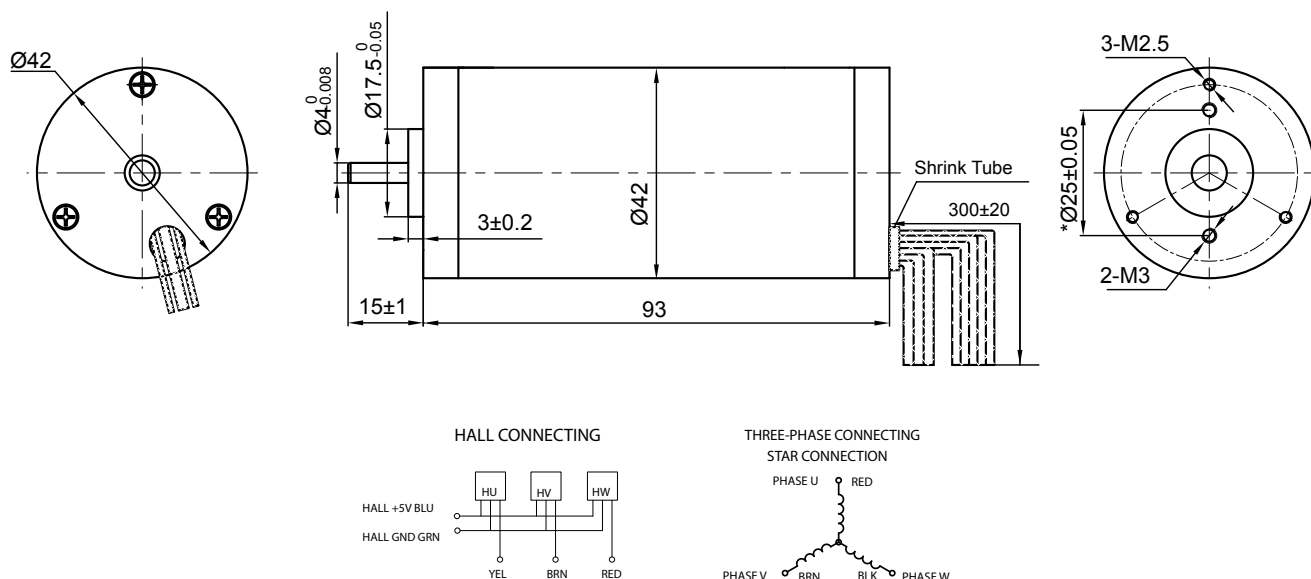


BRUSHLESS MOTOR DATA

	Units	BR4293-24
Nominal voltage	V	24
Nominal power	W	75
No load speed	rpm	8000
No load current	mA	85
Nominal speed	rpm	6300
Nominal torque (max. continuous torque)	mNm	138
Nominal current (max. continuous current)	A	20
Stall torque	mNm	500
Max. Efficiency	%	75
Terminal resistance phase to phase	Ω	0,325
Terminal inductance phase to phase	mH	0,36
Torque constant	mNm / A	28,7
Rotor inertia	gcm ²	94

	Units	BR4293
Ambient temperature	°C	-15°C ----- +40°C
Max. permissible winding temperature	°C	120
Max. permissible speed	rpm	15000
Axial play at axial load < 3,5 N	mm	0,06
Axial play at axial load > 3,5 N	mm	0,06
Radial play	mm@g	0.02@450
Max. axial load (dynamic)	N	4,4
Max. force for press fits (static)	N	4,4
Max. force for press fits (static, shaft supported)	N	4,4
Max. radial loading, 10 mm from flange	N	4
Number of pole pairs		8
Number of phases		3
Weight of motor	g	800

APPEARANCE SIZE



BR5743 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

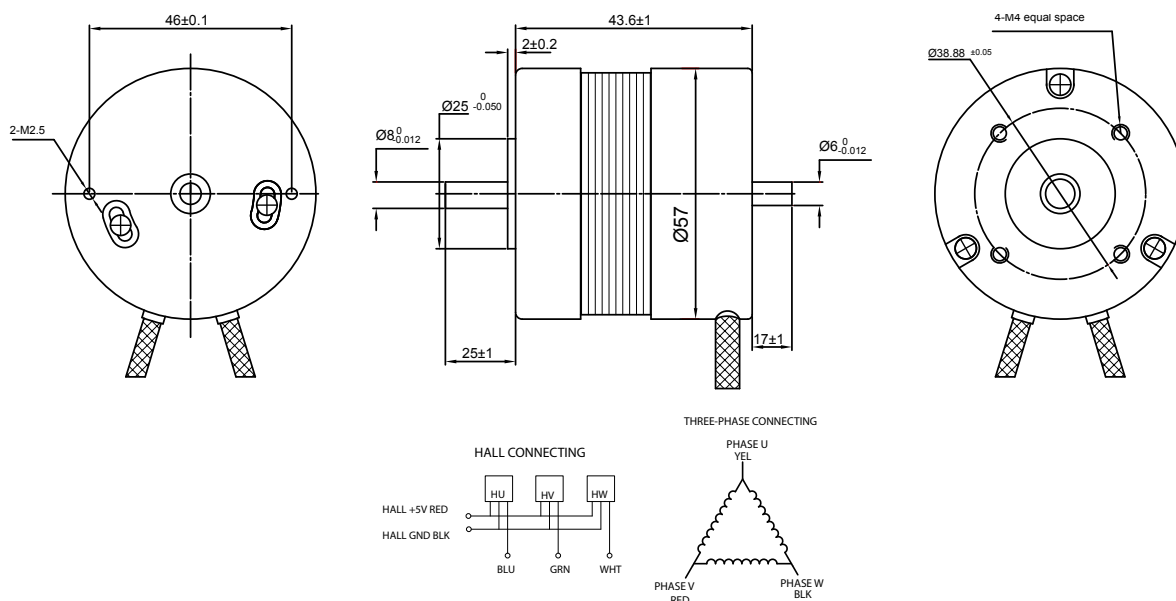
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

	Units	BR5743-12	BR5743-24		Units	BR5743
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	22	23	Max. permissible winding temperature	°C	130
No load speed	rpm	5800	5900	Max. permissible speed	rpm	13000
No load current	mA	600	400	Radial play	mm@g	0.025@460
Nominal speed	rpm	4000	4000	Max. axial load (dynamic)	N	15
Nominal torque (max. continuous torque)	mNm	55	55	Max. radial loading, 10 mm from flange	N	75
Nominal current (max. continuous current)	A	3.27	1.92	Number of pole pairs		2
Stall torque	mNm	165	165	Number of phases		3
Max. Efficiency	%	60	49	Weight of motor	g	250
Terminal resistance phase to phase	Ω	0.56	2.06			
Terminal inductance phase to phase	mH	1.09	4.1			
Torque constant	mNm / A	18	35			
Rotor inertia	gcm ²	30	30			

APPEARANCE SIZE



BR5753 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

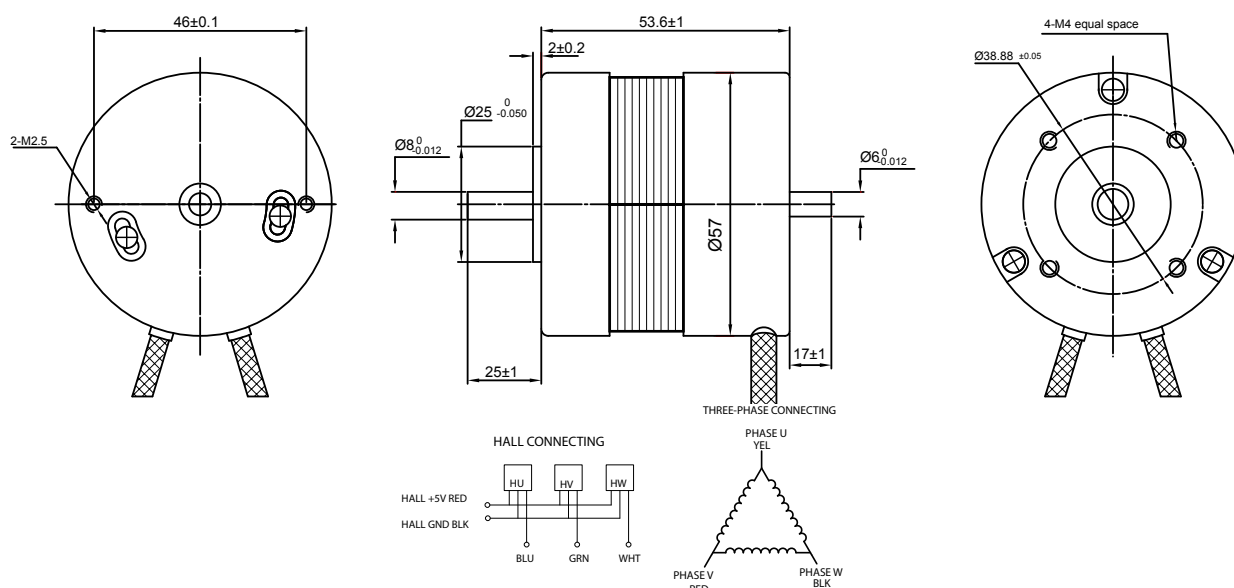


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BRUSHLESS MOTOR DATA

	Units	BR5753-12	BR5753-24		Units	BR5753
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	39	41	Max. permissible winding temperature	°C	120
No load speed	rpm	5600	5400	Max. permissible speed	rpm	13000
No load current	mA	600	500	Radial play	mm@g	0.025@460
Nominal speed	rpm	4000	4000	Max. axial load (dynamic)	N	15
Nominal torque (max. continuous torque)	mNm	100	110	Max. radial loading, 10 mm from flange	N	75
Nominal current (max. continuous current)	A	7.2	2.17	Number of pole pairs		2
Stall torque	mNm	300	330	Number of phases		3
Max. Efficiency	%	53	75	Weight of motor	g	500
Terminal resistance phase to phase	Ω	0.23	0.82			
Terminal inductance phase to phase	mH	0.45	2.3			
Torque constant	mNm / A	14	38.7			
Rotor inertia	gcm ²	75	75			

APPEARANCE SIZE



BR5773 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

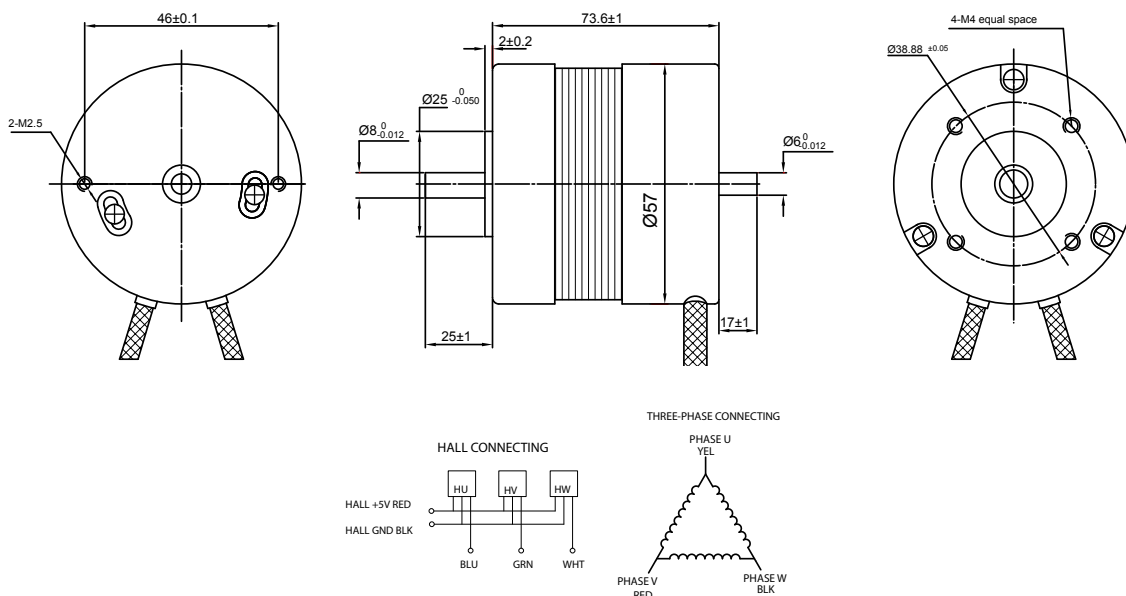


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BRUSHLESS MOTOR DATA

	Units	BR5773-12	BR5773-24		Units	BR5773
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	94	81	Max. permissible winding temperature	°C	130
No load speed	rpm	6100	5300	Max. permissible speed	rpm	13000
No load current	mA	1200	550	Radial play	mm@g	0.025@460
Nominal speed	rpm	4000	4000	Max. axial load (dynamic)	N	15
Nominal torque (max. continuous torque)	mNm	220	220	Max. radial loading, 10 mm from flange	N	75
Nominal current (max. continuous current)	A	12.43	3.67	Number of pole pairs		2
Stall torque	mNm	660	660	Number of phases		3
Max. Efficiency	%	70	75	Weight of motor	g	750
Terminal resistance phase to phase	Ω	0.085	0.35			
Terminal inductance phase to phase	mH	0.2	1			
Torque constant	mNm / A	19.4	43			
Rotor inertia	gcm ²	119	119			

APPEARANCE SIZE



BR5793 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

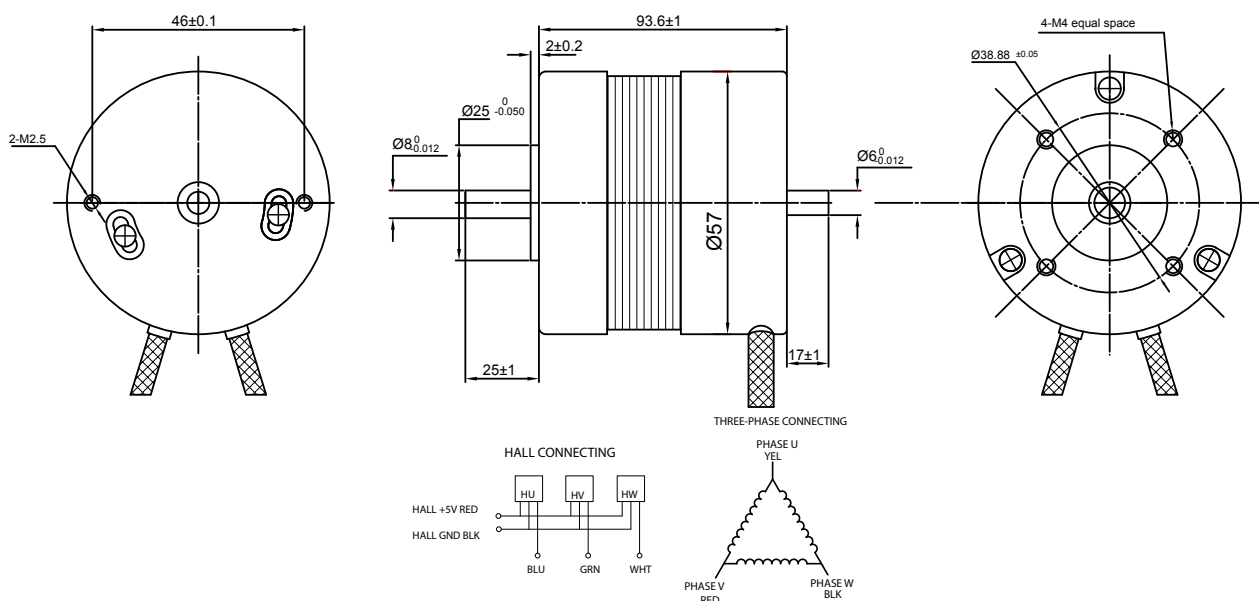


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BRUSHLESS MOTOR DATA

	Units	BR5793-12	BR5793-24		Units	BR5793
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	127	120	Max. permissible winding temperature	°C	130
No load speed	rpm	5500	5200	Max. permissible speed	rpm	13000
No load current	mA	1200	700	Radial play	mm@g	0.025@460
Nominal speed	rpm	4000	4000	Max. axial load (dynamic)	N	15
Nominal torque (max. continuous torque)	mNm	330	330	Max. radial loading, 10 mm from flange	N	75
Nominal current (max. continuous current)	A	19	8.43	Number of pole pairs		2
Stall torque	mNm	990	990	Number of phases		3
Max. Efficiency	%	60	70	Weight of motor	g	1000
Terminal resistance phase to phase	Ω	0.064	0.19			
Terminal inductance phase to phase	mH	0.15	0.61			
Torque constant	mNm / A	24	39.7			
Rotor inertia	gcm ²	173	173			

APPEARANCE SIZE



BR57115 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



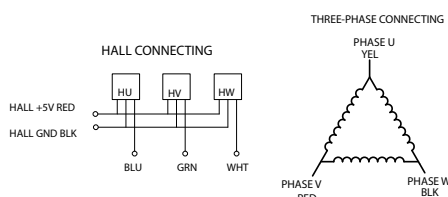
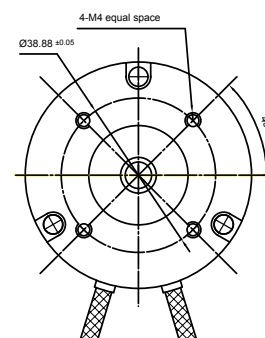
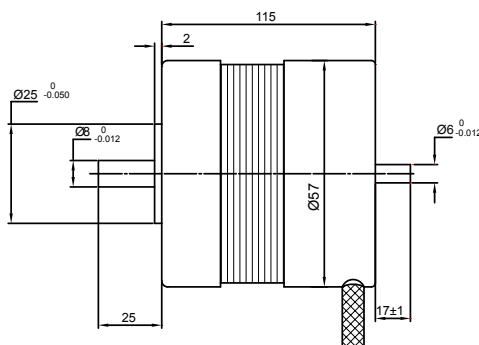
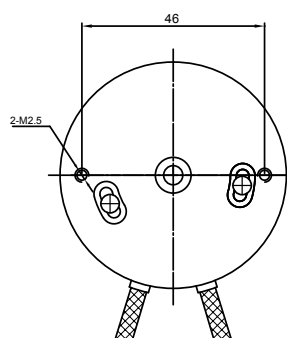
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BRUSHLESS MOTOR DATA

	Units	BR57115-24
Nominal voltage	V	24
Nominal power	W	172
No load speed	rpm	5600
No load current	mA	400
Nominal speed	rpm	4000
Nominal torque (max. continuous torque)	mNm	440
Nominal current (max. continuous current)	A	11
Stall torque	mNm	1320
Max. Efficiency	%	70
Terminal resistance phase to phase	Ω	0.16
Terminal inductance phase to phase	mH	0.44
Torque constant	mNm / A	39
Rotor inertia	gcm ²	230

	Units	BR57115
Ambient temperature	°C	-15°C ----- +40°C
Max. permissible winding temperature	°C	130
Max. permissible speed	rpm	10000
Radial play	mm@g	0.025@460
Max. axial load (dynamic)	N	15
Max. radial loading, 10 mm from flange	N	75
Number of pole pairs		2
Number of phases		3
Weight of motor	g	1250

APPEARANCE SIZE



B4240 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

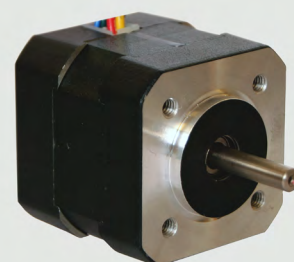
All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

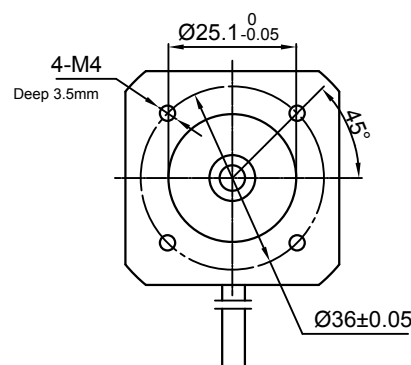
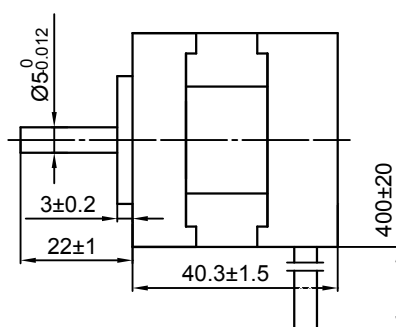
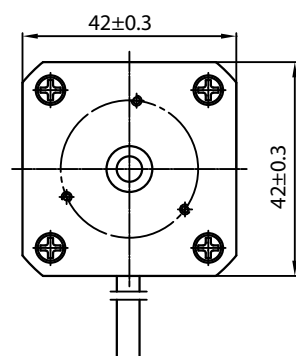
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



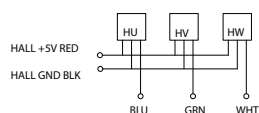
BRUSHLESS MOTOR DATA

	Units	B4240-12	B4240-24		Units	B4240
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	26	26	Max. permissible winding temperature	°C	120
No load speed	rpm	6800	6500	Max. permissible speed	rpm	20000
No load current	mA	600	500	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	4000	4000	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque (max. continuous torque)	mNm	75	75	Radial play	mm@g	0.025@460
Nominal current (max. continuous current)	A	3,9	2	Max. axial load (dynamic)	N	10
Stall torque	mNm	200	240	Max. force for press fits (static)	N	200
Starting current	A	8,4	6,8	Max. force for press fits (static, shaft supported)	N	200
Max. Efficiency	%	59,1	64,5	Max. radial loading, 10 mm from flange	N	28
Terminal resistance phase to phase	Ω	0,42	1,5	Number of pole pairs		4
Terminal inductance phase to phase	mH	0,53	2,1	Number of phases		3
Torque constant	mNm / A	0,15	35	Weight of motor	g	300
Speed constant	rpm / V	791	408			
Mechanical time constant	ms	9	9,01			
Rotor inertia	gcm ²	24	24			

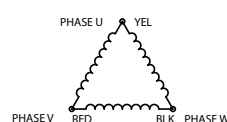
APPEARANCE SIZE



HALL CONNECTING



THREE-PHASE CONNECTING DELTA CONNECTION



B4260 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

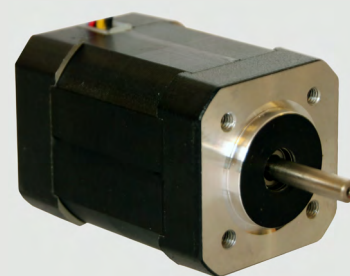
All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

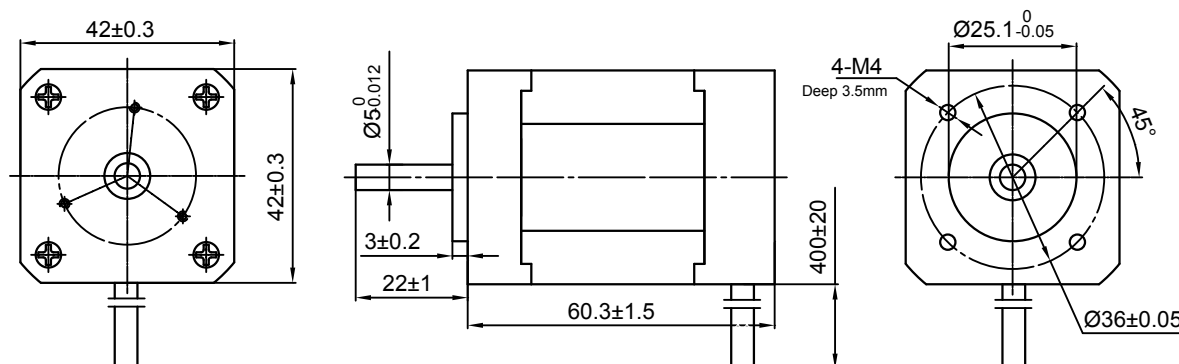
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



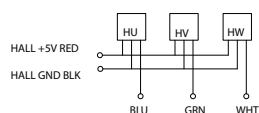
BRUSHLESS MOTOR DATA

	Units	B4260-12	B4260-24		Units	B4260
Nominal voltage	V	12	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	52	52	Max. permissible winding temperature	°C	120
No load speed	rpm	6200	6000	Max. permissible speed	rpm	20000
No load current	mA	600	500	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	4000	4000	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque (max. continuous torque)	mNm	150	150	Radial play	mm@g	0.025@460
Nominal current (max. continuous current)	A	6,2	3,2	Max. axial load (dynamic)	N	10
Stall torque	mNm	350	380	Max. force for press fits (static)	N	200
Starting current	A	16,8	12,8	Max. force for press fits (static, shaft supported)	N	200
Max. Efficiency	%	67,8	72,3	Max. radial loading, 10 mm from flange	N	28
Terminal resistance phase to phase	Ω	0,2	0,8	Number of pole pairs		4
Terminal inductance phase to phase	mH	0,24	1,2	Number of phases		3
Torque constant	mNm / A	0,16	35,5	Weight of motor	g	450
Speed constant	rpm / V	855	369			
Mechanical time constant	ms	7,8	7,85			
Rotor inertia	gcm ²	48	48			

APPEARANCE SIZE

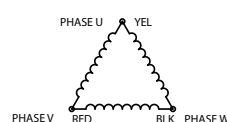


HALL CONNECTING



THREE-PHASE CONNECTING

DELTA CONNECTION



B4280 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

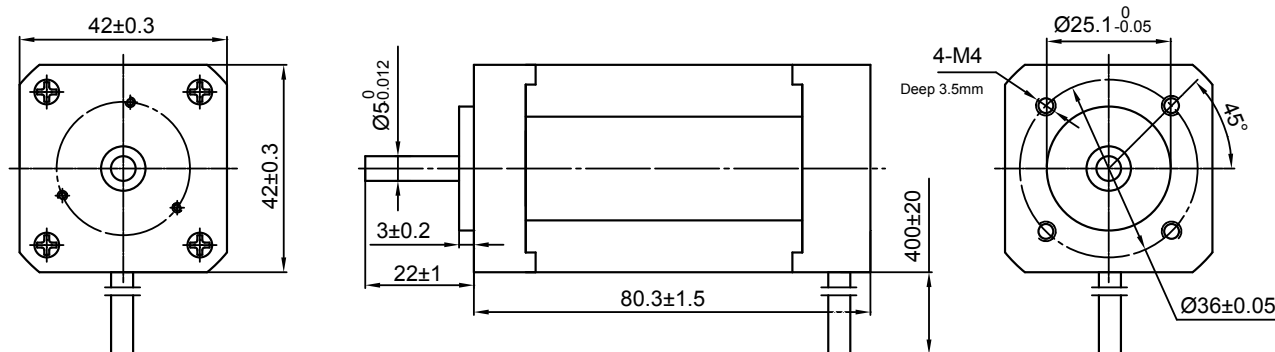
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
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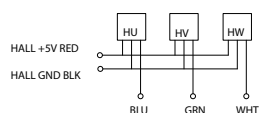
BRUSHLESS MOTOR DATA

	Units	B4280-24		Units	B4280
Nominal voltage	V	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	78	Max. permissible winding temperature	°C	120
No load speed	rpm	6100	Max. permissible speed	rpm	20000
No load current	mA	500	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	4000	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque (max. continuous torque)	mNm	220	Max. axial load (dynamic)	N	10
Nominal current (max. continuous current)	A	4,7	Max. force for press fits (static)	N	200
Stall torque	mNm	560	Max. force for press fits (static, shaft supported)	N	200
Starting current	A	19,8	Max. radial loading, 10 mm from flange	N	28
Max. Efficiency	%	76,8	Number of pole pairs		4
Terminal resistance phase to phase	Ω	0,43	Number of phases		3
Terminal inductance phase to phase	mH	0,71	Weight of motor	g	0,65
Torque constant	mNm / A	38			
Speed constant	rpm / V	365			
Mechanical time constant	ms	6,87			
Rotor inertia	gcm ²	72			

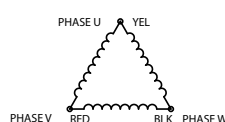
APPEARANCE SIZE



HALL CONNECTING



THREE-PHASE CONNECTING DELTA CONNECTION



B42100 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies. All motors include hall-effect sensors for phase shift commutation. Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc. Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

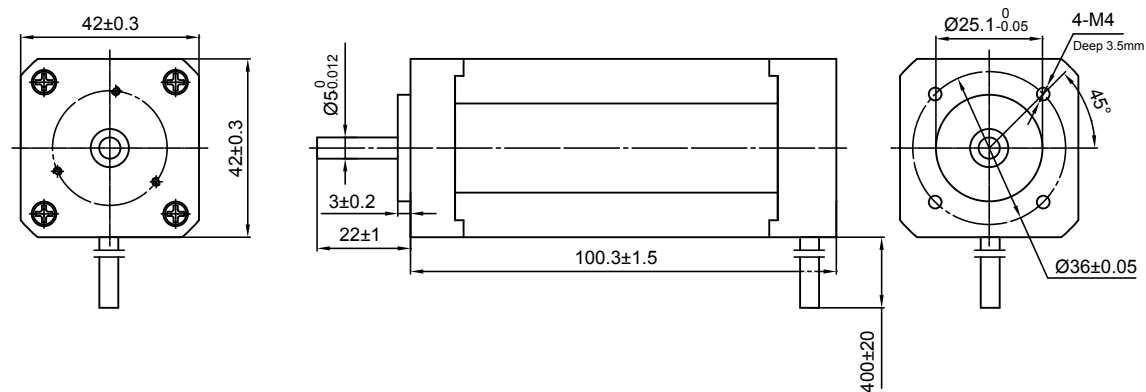
- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
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- Customisations are welcome



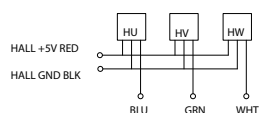
BRUSHLESS MOTOR DATA

	Units	B42100-24		Units	B42100
Nominal voltage	V	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	105	Max. permissible winding temperature	°C	120
No load speed	rpm	6300	Max. permissible speed	rpm	20000
No load current	mA	500	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	4000	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque (max. continuous torque)	mNm	300	Max. axial load (dynamic)	N	10
Nominal current (max. continuous current)	A	6,5	Max. force for press fits (static)	N	200
Stall torque	mNm	750	Max. force for press fits (static, shaft supported)	N	200
Starting current	A	25,4	Max. radial loading, 10 mm from flange	N	28
Max. Efficiency	%	77,4	Number of pole pairs		4
Terminal resistance phase to phase	Ω	0,3	Number of phases		3
Terminal inductance phase to phase	mH	0,49	Weight of motor	g	800
Torque constant	mNm / A	35,5			
Speed constant	rpm / V	382			
Mechanical time constant	ms	7,53			
Rotor inertia	gcm ²	96			

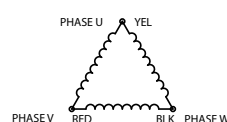
APPEARANCE SIZE



HALL CONNECTING



THREE-PHASE CONNECTING DELTA CONNECTION



B5755 BRUSHLESS DC MOTOR

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

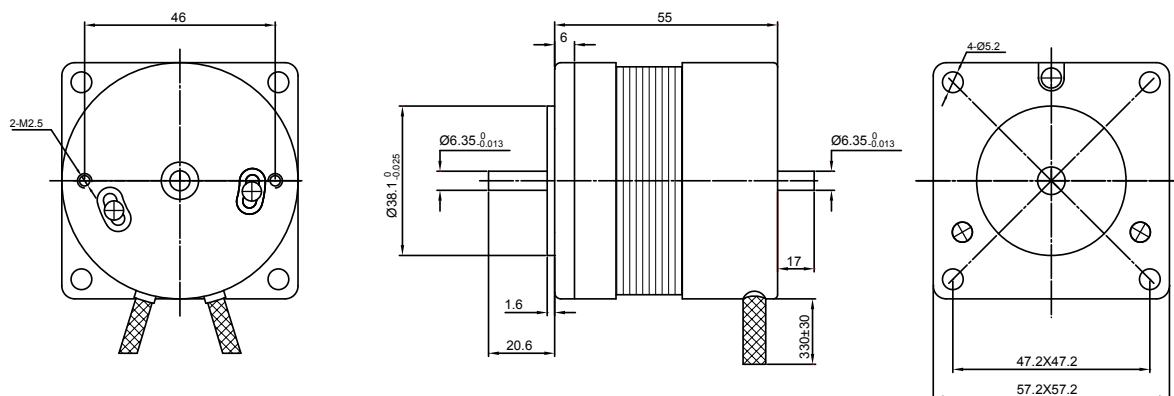


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BRUSHLESS MOTOR DATA

	Units	B5755-24		Units	B5755
Nominal voltage	V	24	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	52	Max. permissible winding temperature	°C	130
No load speed	rpm	5400	Max. permissible speed	rpm	13000
No load current	mA	500	Radial play	mm@g	0.025@460
Nominal speed	rpm	4000	Max. axial load (dynamic)	N	15
Nominal torque (max. continuous torque)	mNm	110	Max. radial loading, 10 mm from flange	N	15
Nominal current (max. continuous current)	A	2.17	Number of pole pairs		2
Stall torque	mNm	330	Number of phases		3
Max. Efficiency	%	75	Weight of motor	g	500
Terminal resistance phase to phase	Ω	0.82			
Terminal inductance phase to phase	mH	2.3			
Torque constant	mNm / A	38.7			
Rotor inertia	gcm ²	75			

APPEARANCE SIZE



B8672 BRUSHLESS DC MOTORS

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

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Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

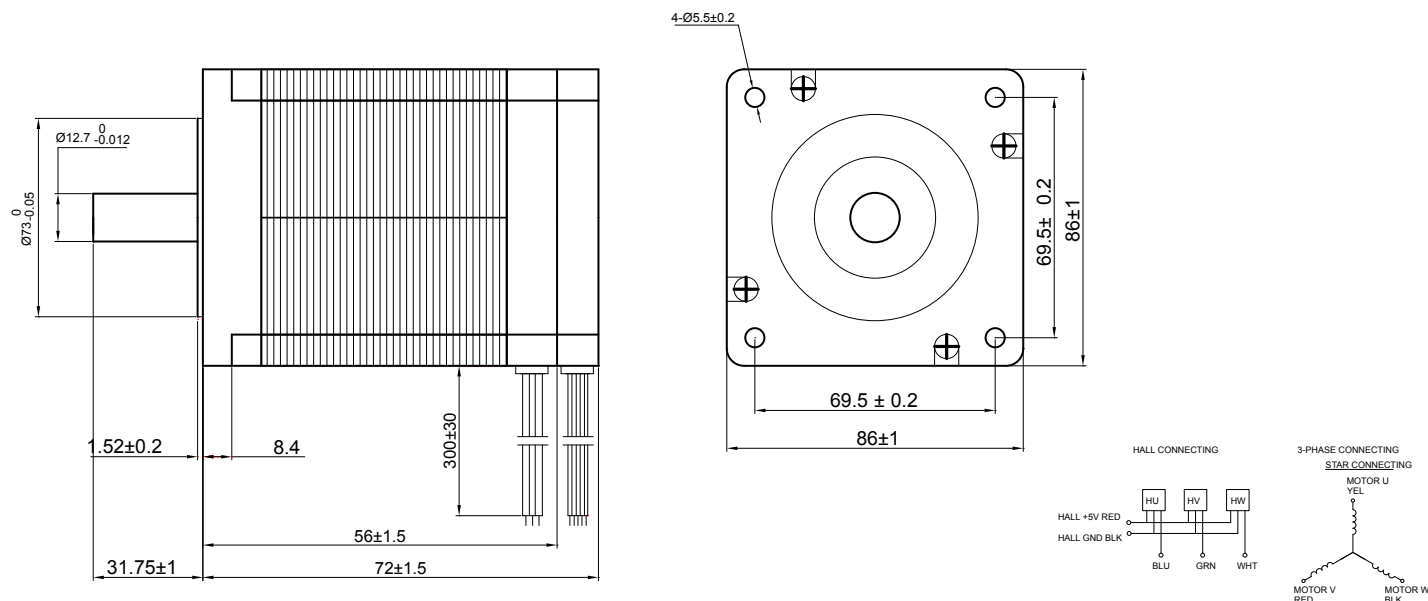


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BRUSHLESS MOTOR DATA

	Units	B8672-12	B8672-24	B8672-48		Units	B8672		
Nominal voltage	V	12	24	48	Nominal voltage	V	12	24	48
Nominal power	W	117	112	117	Ambient temperature	°C	-15°C ----- +40°C		
No load speed	rpm	4500	3500	3700	Max. permissible winding temperature	°C	140	140	120
No load current	mA	5500	1400	600	Max. permissible speed	rpm	5000		
Nominal speed	rpm	3201	2994	3102	Axial play at axial load < 3,5 N	mm	0,1		
Nominal torque (max. continuous torque)	Nm	0.349	0.357	0.359	Axial play at axial load > 3,5 N	mm	0,6		
Nominal current (max. continuous current)	A	14.95	47	19.4	Radial play	mm@g	0,02		
Stall torque	Nm	1.2	2.45	2.2	Max. axial load (dynamic)	N	60		
Starting current	A	49.5	47	19.4	Max. force for press fits (static)	N	560		
Max. Efficiency	%	66.6	63.2	74.3	Max. force for press fits (static, shaft supported)	N	2000		
Terminal resistance phase to phase	Ω	0.066	0.21	0.98	Max. radial loading, 10 mm from flange	N	220		
Terminal inductance phase to phase	mH	0.12	0.51	2.58	Number of pole pairs		4		
Torque constant	Nm / A	0.0248	0.053	0.114	Number of phases		3		
Speed constant	rpm / V	375	146	77	Weight of motor	g	1600		
Speed / torque gradient	rpm / Nm	3750	1428	1682					
Mechanical time constant	ms	16	6.1	7.2					
Rotor inertia	gcm ²	400	400	400					

APPEARANCE SIZE



B8686 BRUSHLESS DC MOTORS

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

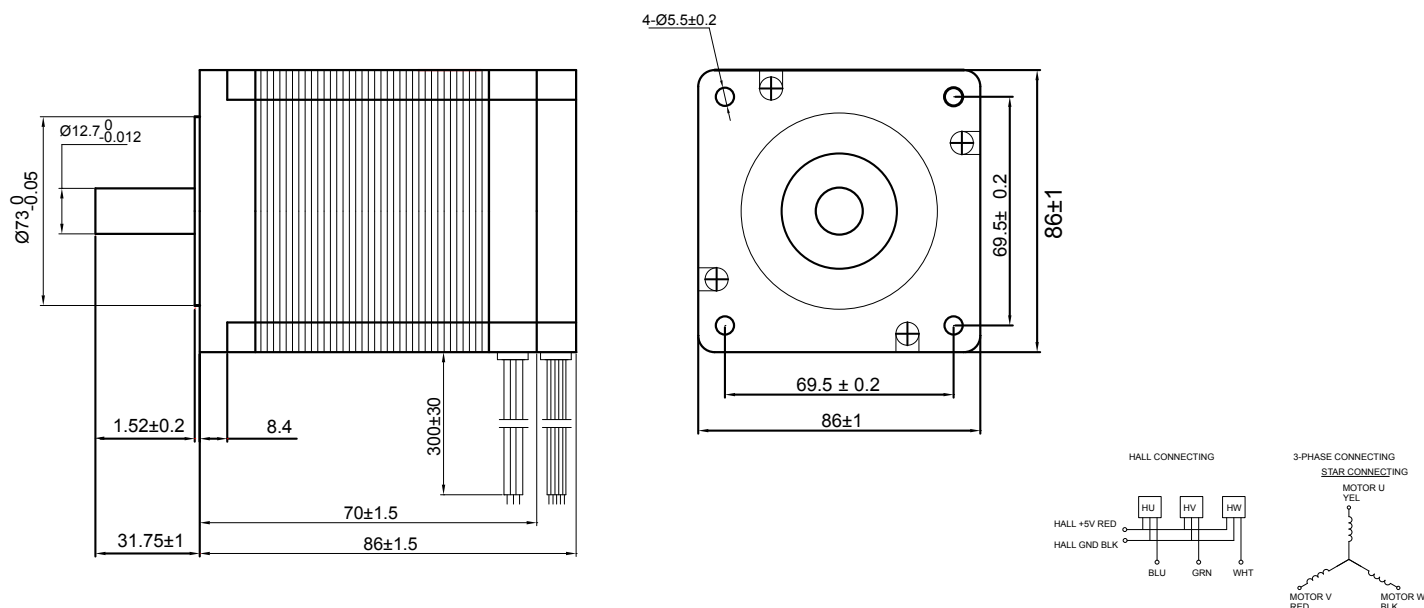


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BRUSHLESS MOTOR DATA

	Units	B8686-12	B8686-24	B8686-48		Units	B8686		
Nominal voltage	V	12	24	48	Nominal voltage	V	12	24	48
Nominal power	W	116	225	228	Ambient temperature	°C	-15°C ----- +40°C		
No load speed	rpm	2600	3900	3750	Max. permissible winding temperature	°C	140	140	120
No load current	mA	1800	1400	950	Max. permissible speed	rpm	5000		
Nominal speed	rpm	1817	3062	3107	Axial play at axial load < 3,5 N	mm	0,1		
Nominal torque (max. continuous torque)	Nm	0.609	0.703	0.702	Axial play at axial load > 3,5 N	mm	0,6		
Nominal current (max. continuous current)	A	14.43	13.76	6.61	Radial play	mm@g	0,02		
Stall torque	Nm	2	3.2	4	Max. axial load (dynamic)	N	60		
Starting current	A	51	56	34	Max. force for press fits (static)	N	560		
Max. Efficiency	%	75	70	73	Max. force for press fits (static, shaft supported)	N	2000		
Terminal resistance phase to phase	Ω	0.056	0.091	0.34	Max. radial loading, 10 mm from flange	N	220		
Terminal inductance phase to phase	mH	0.127	0.23	1	Number of pole pairs		4		
Torque constant	Nm / A	0.04	0.059	0.12	Number of phases		3		
Speed constant	rpm / V	217	162	78	Weight of motor	g	2120		
Speed / torque gradient	rpm / Nm	1300	1218	948					
Mechanical time constant	ms	11.1	12.7	8					
Rotor inertia	gcm ²	800	800	800					

APPEARANCE SIZE



B86112 BRUSHLESS DC MOTORS

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome

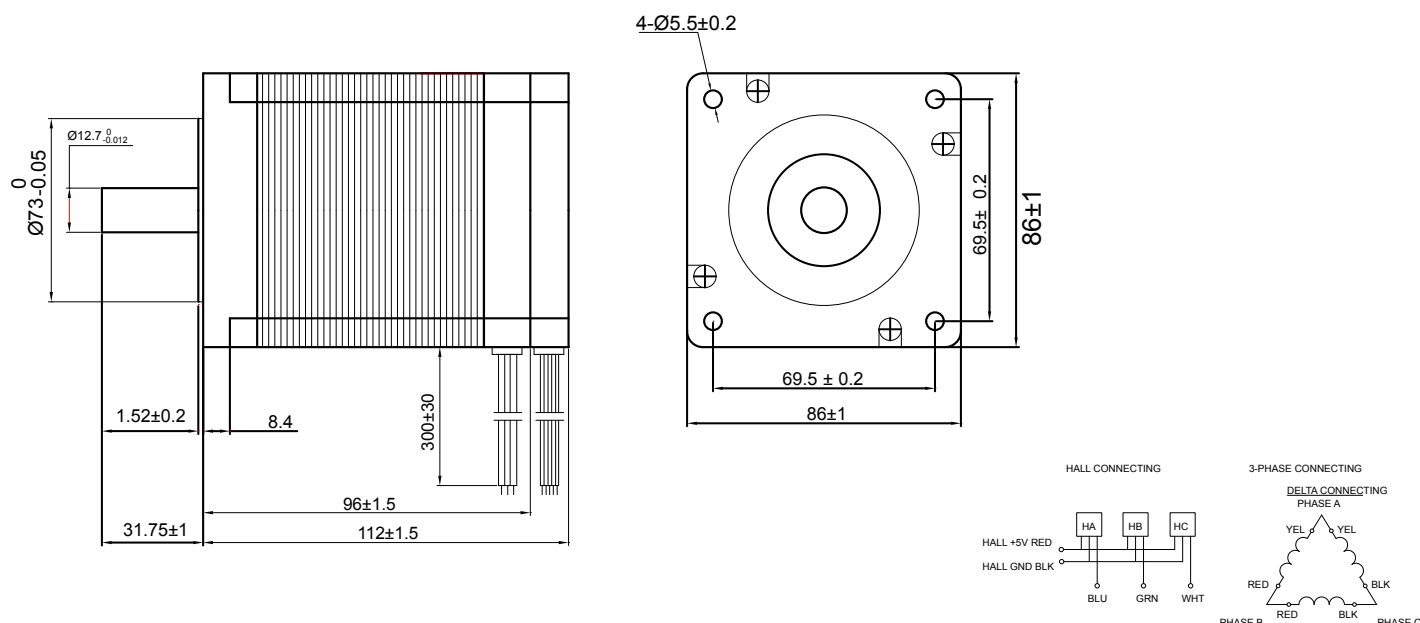


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BRUSHLESS MOTOR DATA

	Units	B86112-24	B86112-48		Units	B86112
Nominal voltage	V	24	48	Nominal voltage	W	24 48
Nominal power	W	393	436	Ambient temperature	°C	-15°C ----- +40°C
No load speed	rpm	3870	3600	Max. permissible winding temperature	°C	140 120
No load current	mA	2400	1200	Max. permissible speed	rpm	5000
Nominal speed	rpm	3126	2975	Axial play at axial load < 3,5 N	mm	0,1
Nominal torque (max. continuous torque)	Nm	1.2	1.4	Axial play at axial load > 3,5 N	mm	0,6
Nominal current (max. continuous current)	A	23	11.8	Radial play	mm@g	0,02
Stall torque	Nm	6.2	8	Max. axial load (dynamic)	N	60
Starting current	A	108	62	Max. force for press fits (static)	N	560
Max. Efficiency	%	74.1	77.6	Max. force for press fits (static, shaft supported)	N	2000
Terminal resistance phase to phase	Ω	0.04	0.16	Max. radial loading, 10 mm from flange	N	220
Terminal inductance phase to phase	mH	0.096	0.5	Number of pole pairs		4
Torque constant	Nm / A	0.0586	0.13	Number of phases		3
Speed constant	rpm / V	160	75	Weight of motor	g	3150
Speed / torque gradient	rpm / Nm	624	450			
Mechanical time constant	ms	10.6	7.7			
Rotor inertia	gcm ²	1600	1600			

APPEARANCE SIZE



B86139 BRUSHLESS DC MOTORS

Transmotec brushless dc motors covers a large range of miniature sized motors to heavy duty models. The designs include both round and square shaped motor bodies.

All motors include hall-effect sensors for phase shift commutation.

Standard motors are kept in stock for quick delivery and customized motors are offered upon request. Customizations and configurations are typically different windings, cable and connections, shaft outputs, assembly to gear heads and encoders etc.

Additional motor data is available from our web site data base as well as CAD drawings. For further information and requests, you are welcome to contact our professional sales and engineering staff.

FEATURES

- Large range of miniature motors to heavy duty models
- Round and square shaped motor bodies
- Integral hall-effect sensors
- Quick delivery from stock
- Customisations are welcome



BRUSHLESS MOTOR DATA

B86139-48			B86139		
Nominal voltage	V	48	Ambient temperature	°C	-15°C ----- +40°C
Nominal power	W	657	Max. permissible winding temperature	°C	120
No load speed	rpm	3600	Max. permissible speed	rpm	5000
No load current	mA	1900	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	2990	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque (max. continuous torque)	mNm	2,098	Radial play	mm@g	0,02
Nominal current (max. continuous current)	A	16,5	Max. axial load (dynamic)	N	60
Stall torque	mNm	18500	Max. force for press fits (static)	N	560
Starting current	A	138	Max. force for press fits (static, shaft supported)	N	2000
Max. Efficiency	%	84	Max. radial loading, 10 mm from flange	N	220
Terminal resistance phase to phase	Ω	0,07	Number of pole pairs		4
Terminal inductance phase to phase	mH	0,103	Number of phases		3
Torque constant	mNm / A	112	Weight of motor	g	4100
Speed constant	rpm / V	110			
Speed / torque gradient	rpm / mNm	0,21			
Mechanical time constant	ms	4,83			
Rotor inertia	gcm ²	2400			

APPEARANCE SIZE

