

Source Engineering Inc.



# FRAMELESS SERVO MOTOR

Providing high-quality motor products for automated equipment manufacturers

# INTRODUCTION TO FRAMELESS SERVO MOTOR



Lighter



Smaller



Offer Faster



Higher Efficiency

Frameless servomotors, as their name suggests, lack housings and other peripheral components. They consist of a rotor and stator assembly that can be directly integrated into mechanisms, allowing for flexible adaptation to various housings, bearings, and feedback devices. This facilitates high integration of terminal products and reduces their size.

Compared to traditional servomotors, which have fixed stators, rotors, housings, and feedback devices, frameless servomotors are lighter, smaller, offer faster motion response, and have higher efficiency.



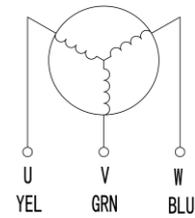
## Features of the frameless servo motor

These Motors' series of frameless servomotors employ a multi-slot, multi-pole design to achieve high torque density and low cogging torque output, making the structure more compact and operation smoother. They also use vacuum potting technology with high thermal conductivity encapsulation resin, enhancing heat dissipation and reducing temperature rise.

# 26mm Frameless BLDC Motor - SYNT Low Voltage Series



Winding Diagram

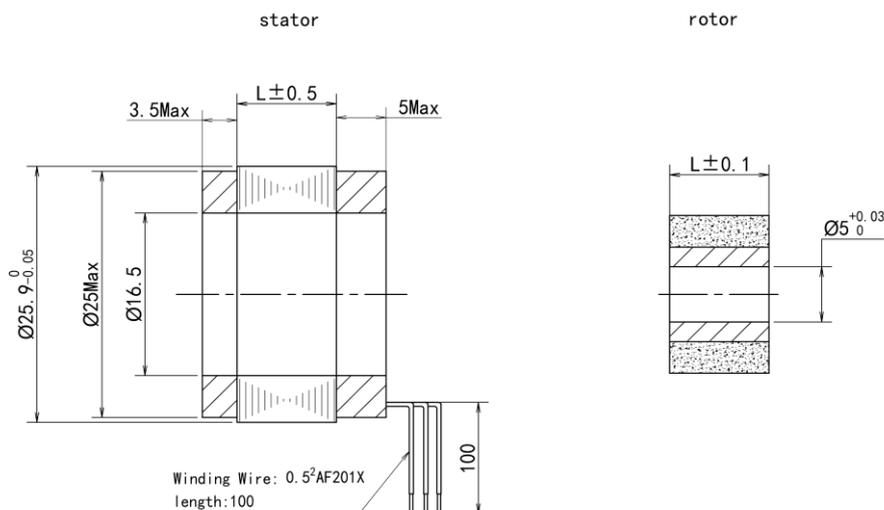


## Electrical Specifications:

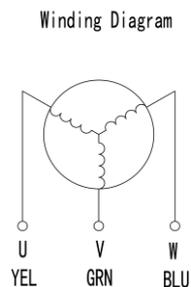
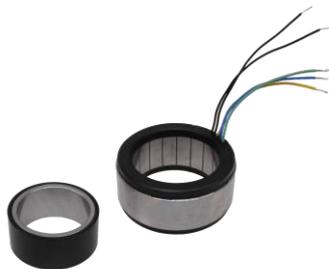
Motor Model	26SYNT242040	26SYNT244040
Number of Phase	3	
Number of Poles	10	
Rated Voltage(VDC)	24	
Rated Speed(Rpm)	4000	
Rated Torque(N.m)	0.05	0.1
Rated Power(W)	20	40
Rated Current(A)	1.3	2.5
Peak Current(A)	2.6	5
Peak Torque(N.M)	0.1	0.2
Rotor Inertia(kg.cm <sup>2</sup> )	0.0017	0.0034
Torque Constant(N.m/A)	0.045	0.045
Torque Constant(V/krpm)	2.72	2.72
Line-Line Resistance(Ω)	1.2	0.75
Line-Line Inductance(mH)	0.8	0.4
L Stator/Rotor Length(L-mm)	10/10	20/20
Weight(kg)	0.025	0.045

\*Note: We can manufacture products according to customer's requirements.

## Dimensions (Unit: mm)



# 33mm Frameless BLDC Motor - SYNT Low Voltage Series

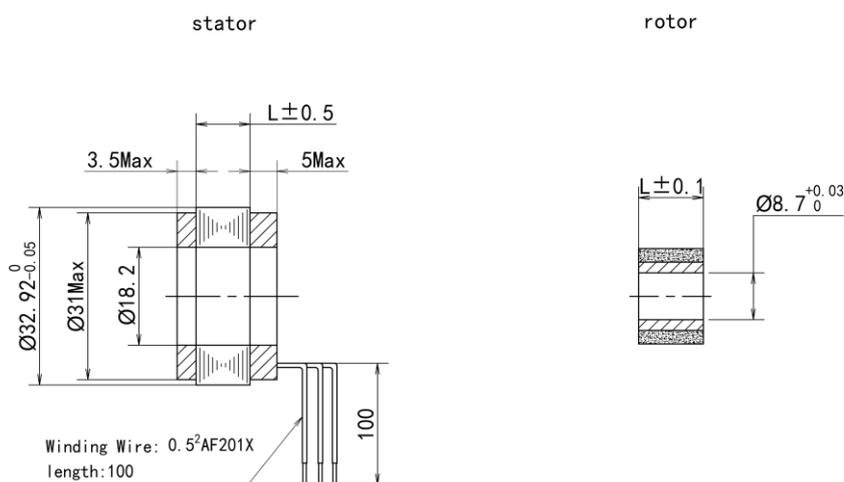


## Electrical Specifications:

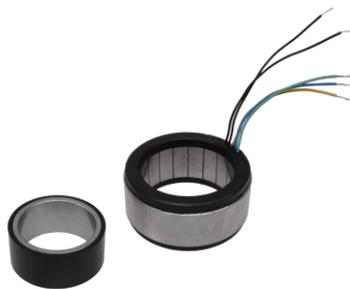
Motor Model	33SYNT483030	33SYNT486030
Number of Phase	3	
Number of Poles	10	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	4000	
Rated Torque(N.m)	0.09	0.18
Rated Power(W)	30	60
Rated Current(A)	0.9	1.8
Peak Current(A)	1.8	3.6
Peak Torque(N.M)	0.18	0.36
Rotor Inertia(kg.cm <sup>2</sup> )	0.002	0.004
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	6.04	6.04
Line-Line Resistance( $\Omega$ )	0.6	0.3
Line-Line Inductance(mH)	0.7	0.4
L Stator/Rotor Length(L-mm)	10/10	20/20
Weight(kg)	0.06	0.09

\*Note: We can manufacture products according to customer's requirements.

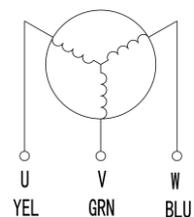
## Dimensions (Unit: mm)



# 39mm Frameless BLDC Motor - SYNT Low Voltage Series



Winding Diagram

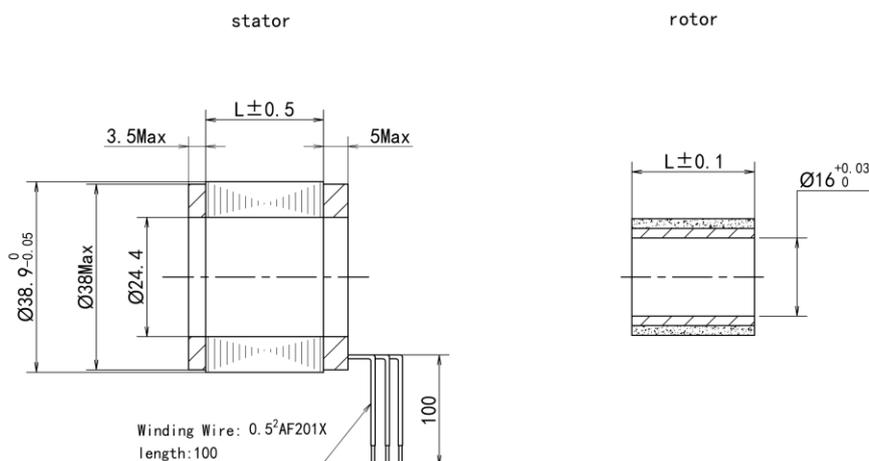


## Electrical Specifications:

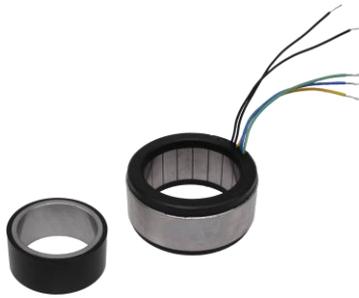
Motor Model	39SYTT243030	39SYTT486030	39SYTT481230
Number of Phase	3		
Number of Poles	10		
Rated Voltage(VDC)	24	48	
Rated Speed(Rpm)	3000		
Rated Torque(N.m)	0.1	0.2	0.4
Rated Power(W)	30	60	120
Rated Current(A)	1.9	1.3	1.5
Peak Current(A)	3.8	2.6	3
Peak Torque(N.M)	0.2	0.24	0.32
Rotor Inertia(kg.cm <sup>2</sup> )	0.009	0.018	0.036
Torque Constant(N.m/A)	0.053	0.1	0.11
Torque Constant(V/krpm)	3.2	6	6.6
Line-Line Resistance( $\Omega$ )	3.3	2.5	1.5
Line-Line Inductance(mH)	3.4	3.0	1.66
L Stator/Rotor Length(L-mm)	6/6.6	12/13	24/25
Weight(kg)	0.05	0.075	0.14

\*Note: We can manufacture products according to customer's requirements.

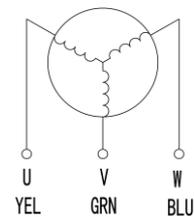
## Dimensions (Unit: mm)



# 46mm Frameless BLDC Motor - SYNT Low Voltage Series



Winding Diagram

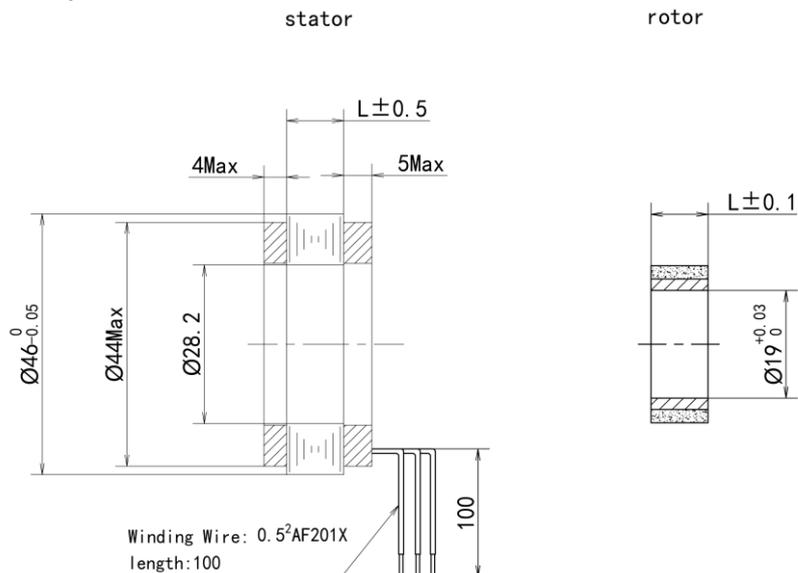


## Electrical Specifications:

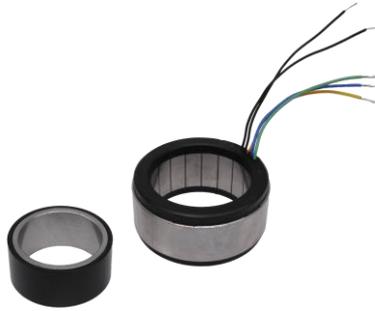
Motor Model	46SYTT482530	46SYTT484030	46SYTT485030
Number of Phase	3		
Number of Poles	10		
Rated Voltage(VDC)	48		
Rated Speed(Rpm)	3000		
Rated Torque(N.m)	0.08	0.12	0.16
Rated Power(W)	25	40	50
Rated Current(A)	1	1.3	1.5
Peak Current(A)	2	2.6	3
Peak Torque(N.M)	0.16	0.24	0.32
Rotor Inertia(kg.cm <sup>2</sup> )	0.01	0.012	0.015
Torque Constant(N.m/A)	0.102	0.13	0.113
Torque Constant(V/krpm)	6.91	8.48	7.98
Line-Line Resistance(Ω)	6.2	5.6	5.1
Line-Line Inductance(mH)	3.3	3.7	3.5
L Stator/Rotor Length(L-mm)	6/6	8/8	10/10
Weight(kg)	0.07	0.09	0.12

\*Note: We can manufacture products according to customer's requirements.

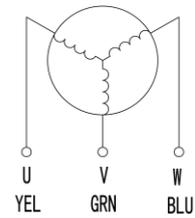
## Dimensions (Unit: mm)



# 49mm Frameless BLDC Motor - SYNT Low Voltage Series



Winding Diagram

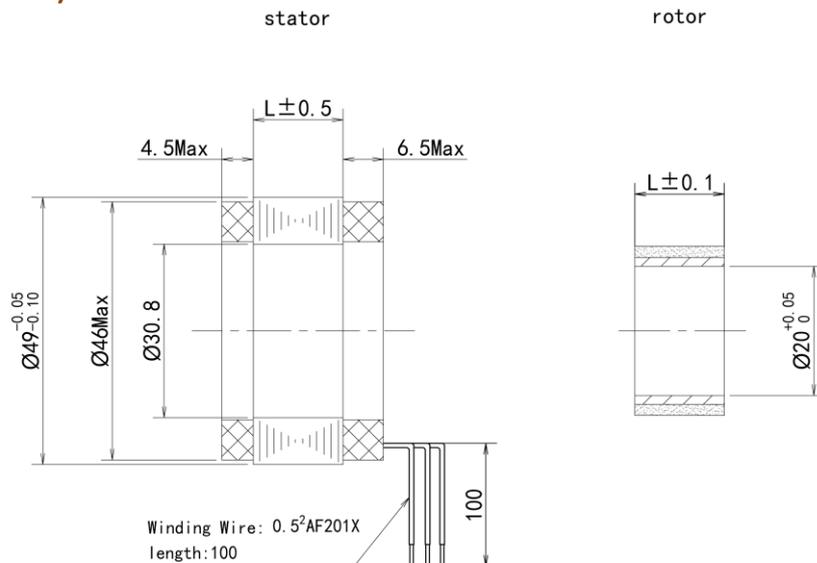


## Electrical Specifications:

Motor Model	49SYTT481030	49SYTT481430	49SYTT482630
Number of Phase	3		
Number of Poles	10		
Rated Voltage(VDC)	48		
Rated Speed(Rpm)	3000		
Rated Torque(N.m)	0.32	0.45	0.83
Rated Power(W)	100	141	260
Rated Current(A)	2.9	4.1	7.5
Peak Current(A)	5.8	8.2	15
Peak Torque(N.M)	0.64	0.9	1.66
Rotor Inertia(kg.cm <sup>2</sup> )	0.05	0.06	0.09
Torque Constant(N.m/A)	0.1	0.1	0.1
Torque Constant(V/krpm)	8.5	8.4	8.2
Line-Line Resistance( $\Omega$ )	2.5	1.6	0.8
Line-Line Inductance(mH)	3.7	2.8	0.9
L Stator/Rotor Length(L-mm)	10/10	14/15	27/28
Weight(kg)	0.4	0.45	0.8

\*Note: We can manufacture products according to customer's requirements.

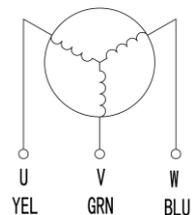
## Dimensions (Unit: mm)



# 58mm Frameless BLDC Motor - SYNT Low Voltage Series



Winding Diagram

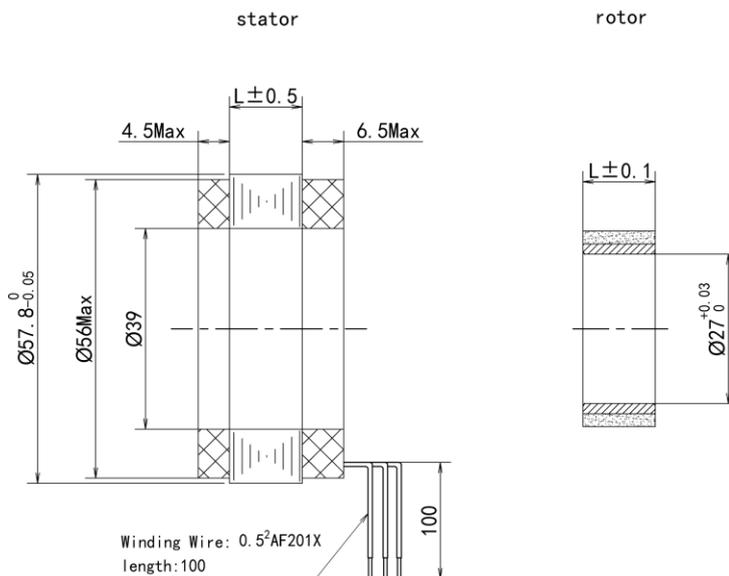


## Electrical Specifications:

Motor Model	58SYEH481030	58SYEH482030
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	0.32	0.64
Rated Power(W)	100	200
Rated Current(A)	2.9	5.6
Peak Current(A)	5.8	11.2
Peak Torque(N.M)	0.64	1.28
Rotor Inertia(kg.cm <sup>2</sup> )	0.1	0.15
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	8.5	8.5
Line-Line Resistance( $\Omega$ )	2.2	0.9
Line-Line Inductance(mH)	2.2	1
Stator/Rotor Length(L-mm)	7/8	15/16
Weight(kg)	0.4	0.55

\*Note: We can manufacture products according to customer's requirements.

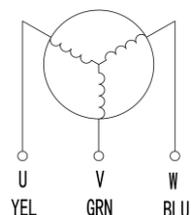
## Dimensions (Unit: mm)



# 60mm BLDC Frameless Servo Motor - SYEH Low Voltage Series



Winding Diagram

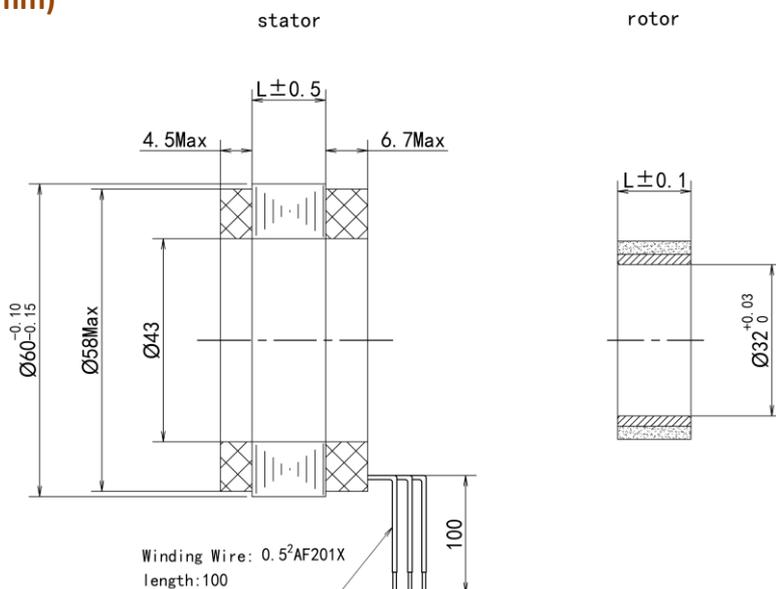


## Electrical Specifications:

Motor Model	60SYEH481530	60SYEH482230	60SYEH484530
Number of Phase	3		
Number of Poles	16		
Rated Voltage(VDC)	48		
Rated Speed(Rpm)	3000		
Rated Torque(N.m)	0.5	0.7	1.44
Rated Power(W)	157	220	452
Rated Current(A)	4.4	6.2	13
Peak Current(A)	8.8	12.4	26
Peak Torque(N.M)	1.0	1.4	2.88
Rotor Inertia(kg.cm <sup>2</sup> )	0.17	0.19	0.24
Torque Constant(N.m/A)	0.1	0.1	0.1
Torque Constant(V/krpm)	8.1	8.1	7.9
Line-Line Resistance( $\Omega$ )	1.77	1.1	0.6
Line-Line Inductance(mH)	2.2	1.3	0.8
L Stator/Rotor Length(L-mm)	9/9	13/14	26/27
Weight(kg)	0.45	0.55	1.0

\*Note: We can manufacture products according to customer's requirements.

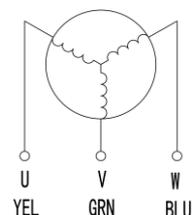
## Dimensions (Unit: mm)



# 69mm Frameless Servo Motor - SYEH Low Voltage Series



Winding Diagram

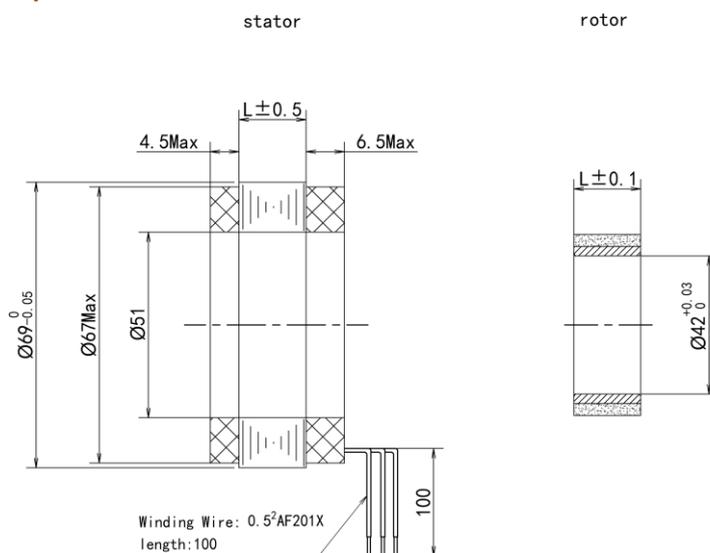


## Electrical Specifications:

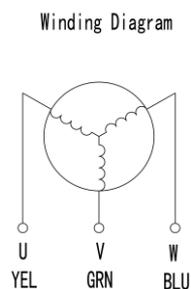
Motor Model	69SYEH482030	69SYEH484430
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	0.64	1.4
Rated Power(W)	201	440
Rated Current(A)	6	13
Peak Current(A)	12	26
Peak Torque(N.M)	1.28	2.8
Rotor Inertia(kg.cm <sup>2</sup> )	0.19	0.24
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	8.2	8.1
Line-Line Resistance( $\Omega$ )	1.5	0.9
Line-Line Inductance(mH)	1.1	0.7
L Stator/Rotor Length(L-mm)	12.5/12.5	22/23
Weight(kg)	0.6	0.9

\*Note: We can manufacture products according to customer's requirements.

## Dimensions (Unit: mm)



# 76mm Frameless Servo Motor - SYEH Low Voltage Series

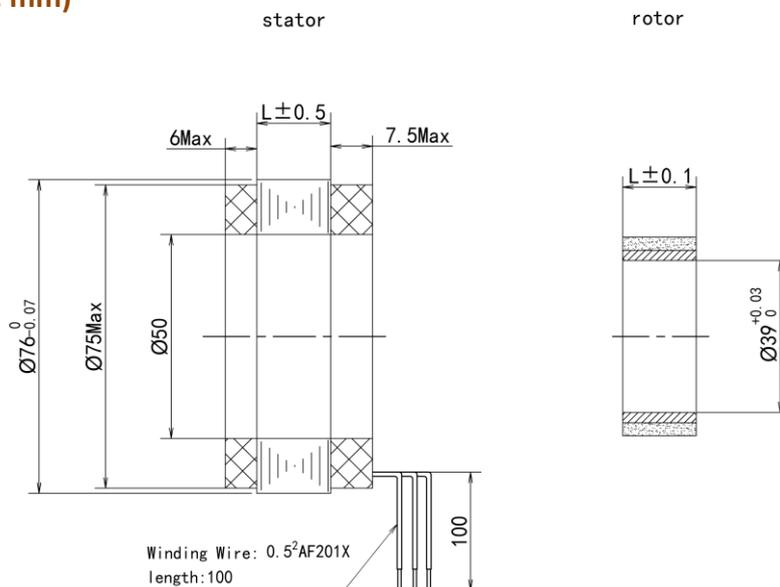


## Electrical Specifications:

Motor Model	76SYEH483030	76SYEH486730
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	1.0	2.16
Rated Power(W)	314	678
Rated Current(A)	9	19
Peak Current(A)	18	38
Peak Torque(N.M)	2.0	4.32
Rotor Inertia(kg.cm <sup>2</sup> )	0.38	0.65
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	9.5	9.1
Line-Line Resistance( $\Omega$ )	0.4	0.2
Line-Line Inductance(mH)	0.9	0.3
L Stator/Rotor Length(L-mm)	12/13	26/27
Weight(kg)	0.8	1.2

\*Note: We can manufacture products according to customer's requirements.

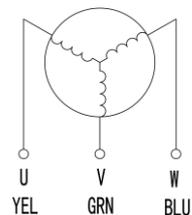
## Dimensions (Unit: mm)



# 85mm Frameless Servo Motor - SFEC Low Voltage Series



Winding Diagram

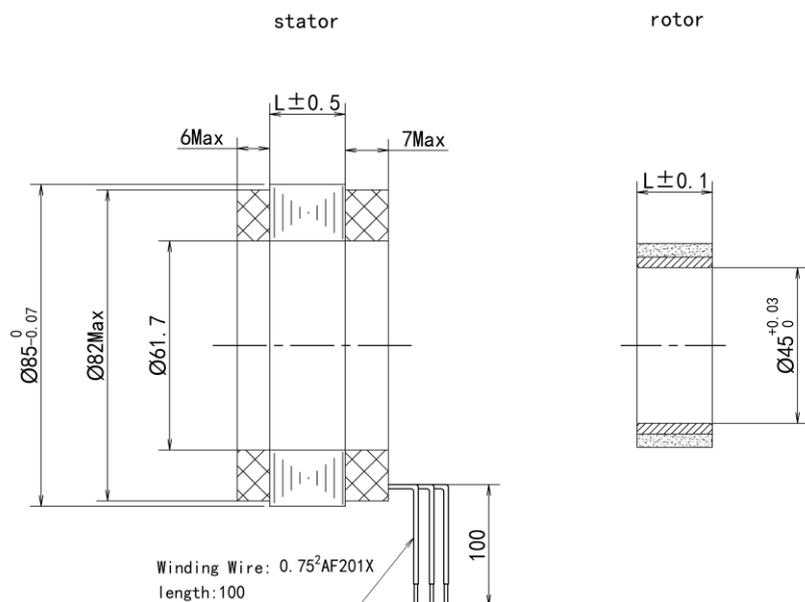


## ■ Electrical Specifications:

Motor Model	85SFEC484530	85SFEC489130
Number of Phase	3	
Number of Poles	20	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	1.44	2.9
Rated Power(W)	452	910
Rated Current(A)	12.5	26
Peak Current(A)	37.5	78
Peak Torque(N.M)	4.32	8.7
Rotor Inertia(kg.cm <sup>2</sup> )	0.2	0.5
Torque Constant(N.m/A)	0.11	0.11
Torque Constant(V/krpm)	8.5	8.5
Line-Line Resistance( $\Omega$ )	3	0.4
Line-Line Inductance(mH)	1.5	1
L Stator/Rotor Length(L-mm)	12/13	24/25
Weight(kg)	0.9	1.3

\*Note: We can manufacture products according to customer's requirements

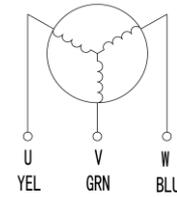
## ■ Dimensions (Unit: mm)



# 91mm Frameless Servo Motor -SSEH Low Voltage Series



Winding Diagram

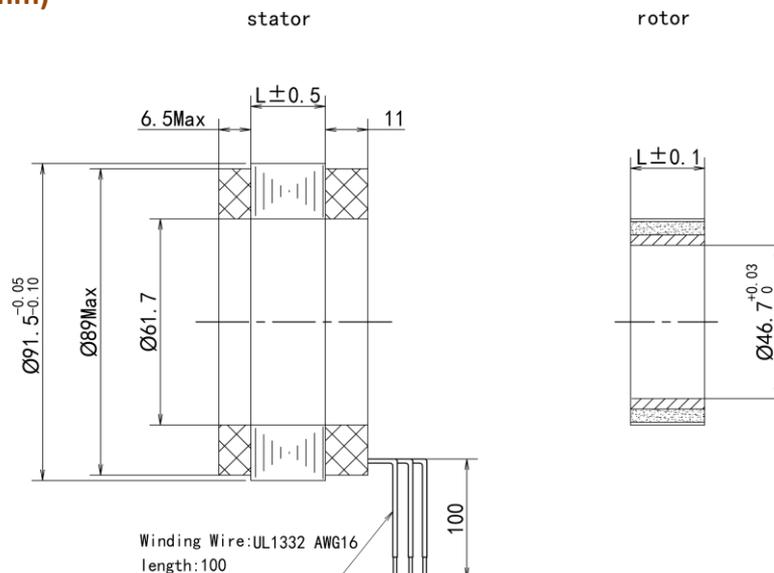


## ■ Electrical Specifications:

Motor Model	91SSEH486330S	91SSEH481230S
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	2	4
Rated Power(W)	630	1200
Rated Current(A)	17	34
Peak Current(A)	34	68
Peak Torque(N.M)	4	8
Rotor Inertia(kg.cm <sup>2</sup> )	0.5	0.8
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	8.5	8.5
Line-Line Resistance( $\Omega$ )	0.14	0.04
Line-Line Inductance(mH)	0.45	0.2
L Stator/Rotor Length(L-mm)	15/15.5	30/32
Weight(kg)	0.95	1.5

\*Note: We can manufacture products according to customer's requirements.

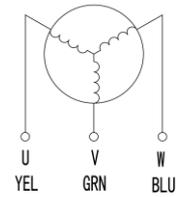
## ■ Dimensions (Unit: mm)



# 94mm Frameless Servo Motor - SSEH Low Voltage Series



Winding Diagram

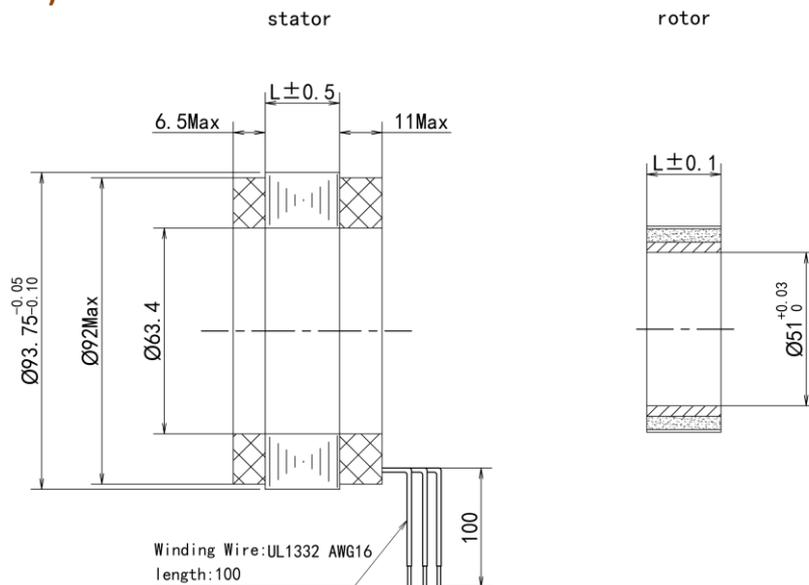


## Electrical Specifications:

Motor Model	94SSEH486330S	94SSEH481230S
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	2	4
Rated Power(W)	630	1200
Rated Current(A)	17	34
Peak Current(A)	34	68
Peak Torque(N.M)	4	8
Rotor Inertia(kg.cm <sup>2</sup> )	0.5	0.8
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	8.5	8.5
Line-Line Resistance(Ω)	0.14	0.04
Line-Line Inductance(mH)	0.45	0.2
L Stator/Rotor Length(L-mm)	12/13	23/24
Weight(kg)	0.8	1.3

\*Note: We can manufacture products according to customer's requirements.

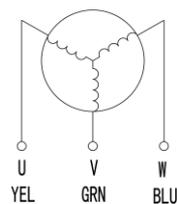
## Dimensions (Unit: mm)



# 105mm Frameless Servo Motor - SFEC Low Voltage Series



Winding Diagram

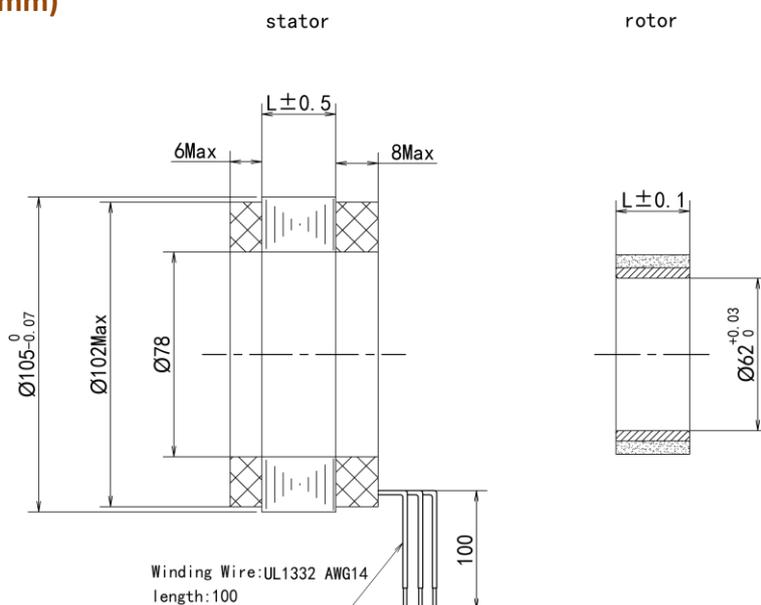


## Electrical Specifications:

Motor Model	105SFEC488320	105SFEC481220
Number of Phase	3	
Number of Poles	20	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	2000	
Rated Torque(N.m)	4	6
Rated Power(W)	837	1256
Rated Current(A)	23	35
Peak Current(A)	69	105
Peak Torque(N.M)	12	18
Rotor Inertia(kg.cm <sup>2</sup> )	0.8	1.1
Torque Constant(N.m/A)	0.17	0.17
Torque Constant(V/krpm)	13	12
Line-Line Resistance(Ω)	0.35	0.2
Line-Line Inductance(mH)	0.15	0.08
L Stator/Rotor Length(L-mm)	16/17	22/23
Weight(kg)	1.1	1.5

\*Note: We can manufacture products according to customer's requirements.

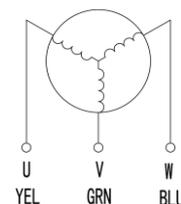
## Dimensions (Unit: mm)



# 115mm Frameless Servo Motor - SSEC Low Voltage Series



Winding Diagram

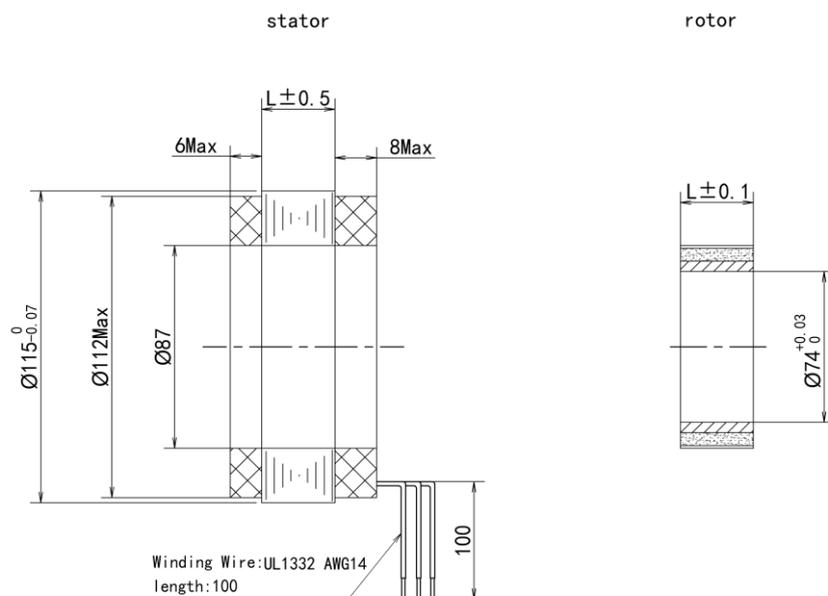


## Electrical Specifications:

Motor Model	115SSEC488320	115SSEC481320
Number of Phase	3	
Number of Poles	20	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	2000	
Rated Torque(N.m)	4	6.6
Rated Power(W)	837	1382
Rated Current(A)	23	39
Peak Current(A)	69	117
Peak Torque(N.M)	12	19.8
Rotor Inertia(kg.cm <sup>2</sup> )	1.1	1.6
Torque Constant(N.m/A)	0.17	0.17
Torque Constant(V/krpm)	10.5	10
Line-Line Resistance(Ω)	0.09	0.04
Line-Line Inductance(mH)	0.4	0.02
L Stator/Rotor Length(L-mm)	13/14	22/23
Weight(kg)	1.0	1.6

\*Note: We can manufacture products according to customer's requirements.

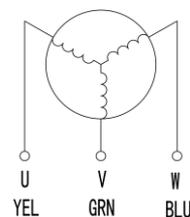
## Dimensions (Unit: mm)



# 140mm Frameless Servo Motor - SSEH Low Voltage Series



Winding Diagram

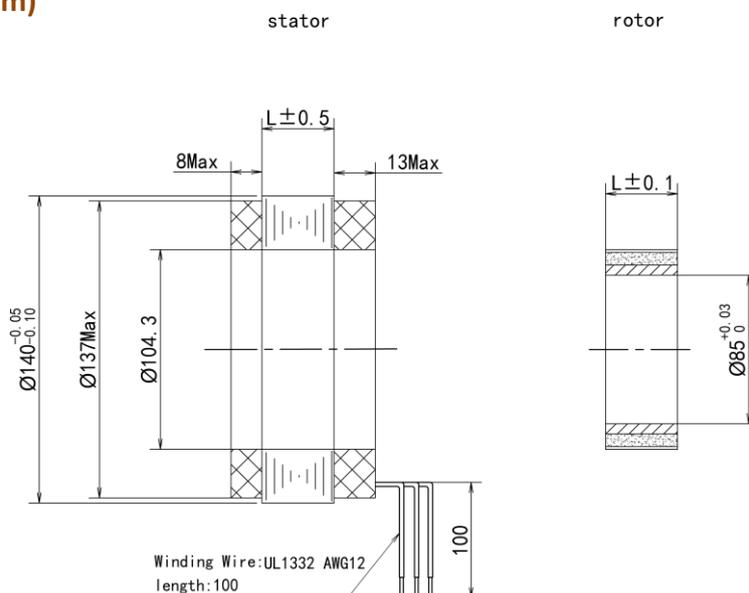


## Electrical Specifications:

Motor Model	140SSEH489430S	140SSEH482430S
Number of Phase	3	
Number of Poles	16	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	3.0	7.6
Rated Power(W)	942	2400
Rated Current(A)	27	66
Peak Current(A)	81	198
Peak Torque(N.M)	9.0	22.8
Rotor Inertia(kg.cm <sup>2</sup> )	8.5	19
Torque Constant(N.m/A)	0.1	0.1
Torque Constant(V/krpm)	8.1	8.5
Line-Line Resistance(Ω)	0.012	0.007
Line-Line Inductance(mH)	0.03	0.025
L Stator/Rotor Length(L-mm)	20/21	50/51
Weight(kg)	1.9	2.9

\*Note: We can manufacture products according to customer's requirements.

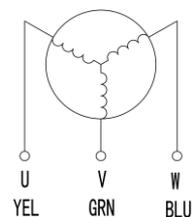
## Dimensions (Unit: mm)



# 160mm Frameless Servo Motor -SSEH Low Voltage Series



Winding Diagram

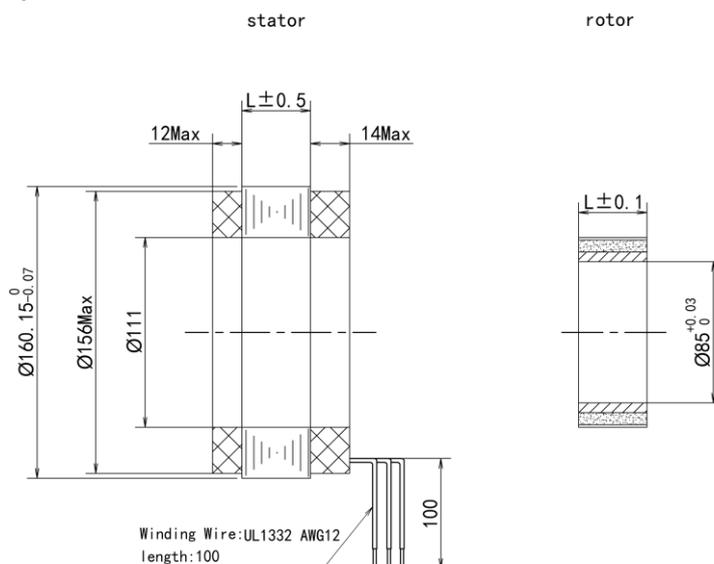


## ■ Electrical Specifications:

Motor Model	160SSEH482020S
Number of Phase	3
Number of Poles	16
Rated Voltage(VDC)	48
Rated Speed(Rpm)	2000
Rated Torque(N.m)	10.5
Rated Power(W)	2200
Rated Current(A)	57
Peak Current(A)	171
Peak Torque(N.M)	31.5
Rotor Inertia(kg.cm <sup>2</sup> )	0.6
Torque Constant(N.m/A)	0.18
Torque Constant(V/krpm)	13.8
Line-Line Resistance( $\Omega$ )	0.019
Line-Line Inductance(mH)	0.17
L Stator/Rotor Length(L-mm)	34/35
Weight(kg)	1.6

\*Note: We can manufacture products according to customer's requirements.

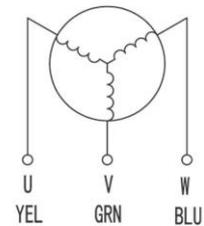
## ■ Dimensions (Unit: mm)



# 52mm Outer Rotor Frameless BLDC Motor – EYDN Series



Winding Diagram

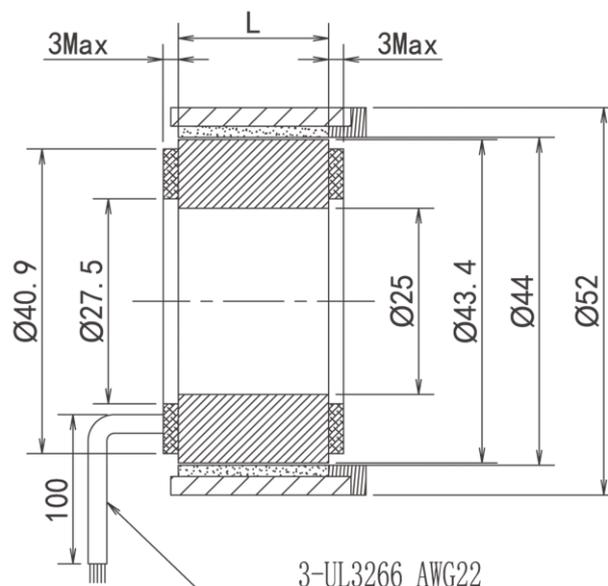


## Electrical Specifications:

Motor Model	52EYDN481030	52EYDN482030	52EYDN483130
Number of Phase	3		
Number of Poles	28		
Rated Voltage(VDC)	48		
Rated Speed(Rpm)	3000		
Rated Torque(N.m)	0.33	0.66	0.99
Rated Power(W)	103	207	311
Rated Current(A)	3.0	6.0	9.0
Peak Current(A)	6.0	12	18
Peak Torque(N.M)	0.66	1.32	1.98
Rotor Inertia(kg.cm <sup>2</sup> )	0.13	0.23	0.33
Torque Constant(N.m/A)	0.11	0.11	0.11
Torque Constant(V/krpm)	12	12	12
Line-Line Resistance( $\Omega$ )	1.0	0.8	0.6
Line-Line Inductance(mH)	1.3	0.9	0.4
Length(mm)	10	20	30
Weight(kg)	0.2	0.3	0.4

\*Note: We can manufacture products according to customer's requirements.

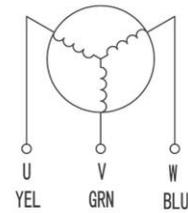
## Dimensions (Unit: mm)



# 62mm Outer Rotor Frameless BLDC Motor – EYDN Series



Winding Diagram

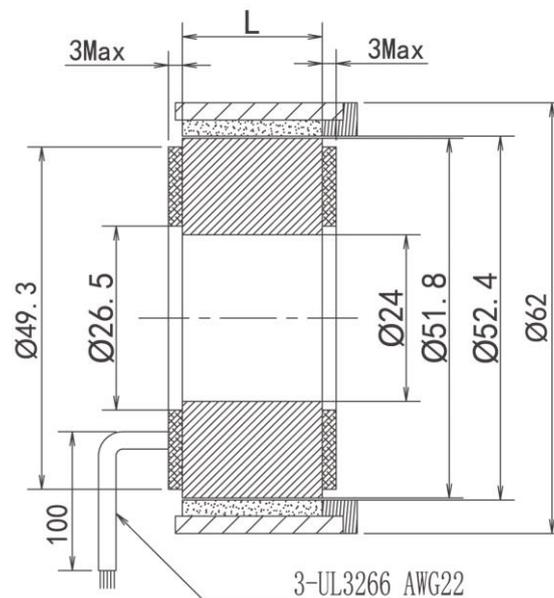


## Electrical Specifications:

Motor Model	62EYDN481530	62EYDN483130	62EYDN483120
Number of Phase	3		
Number of Poles	28		
Rated Voltage(VDC)	48		
Rated Speed(Rpm)	3000	2000	
Rated Torque(N.m)	0.5	1.0	1.5
Rated Power(W)	157	314	314
Rated Current(A)	4.5	9.0	9.2
Peak Current(A)	9.0	18	18.4
Peak Torque(N.M)	1.0	2.0	3.0
Rotor Inertia(kg.cm <sup>2</sup> )	0.23	0.43	0.53
Torque Constant(N.m/A)	0.11	0.11	0.16
Torque Constant(V/krpm)	10	10	20
Line-Line Resistance( $\Omega$ )	1.2	0.9	0.6
Line-Line Inductance(mH)	1.3	0.8	0.4
L Length(mm)	10	20	30
Weight(kg)	0.3	0.4	0.5

\*Note: We can manufacture products according to customer's requirements.

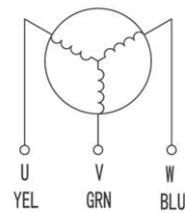
## Dimensions (mm)



# 67mm Outer Rotor Frameless BLDC Motor – EYDN Series



Winding Diagram

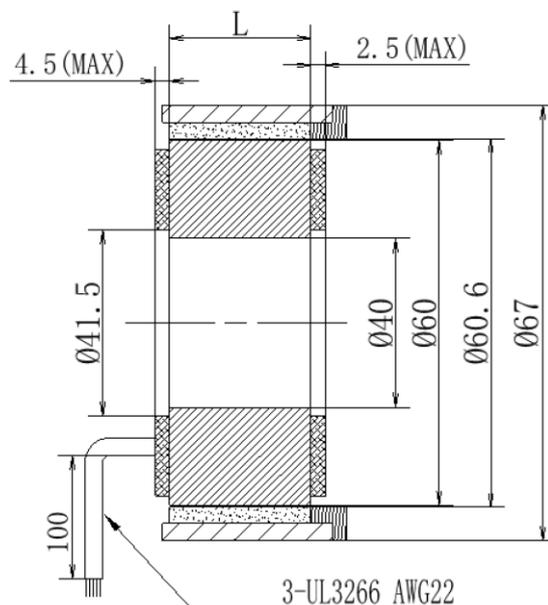


## Electrical Specifications:

Motor Model	67ESDN482020
Number of Phase	3
Number of Poles	42
Rated Voltage(VDC)	48
Rated Speed(Rpm)	2000
Rated Torque(N.m)	1
Rated Power(W)	202
Rated Current(A)	6
Peak Current(A)	12
Peak Torque(N.M)	2
Rotor Inertia(kg.cm <sup>2</sup> )	0.3
Torque Constant(N.m/A)	0.16
Torque Constant(V/krpm)	11
Line-Line Resistance( $\Omega$ )	0.7
Line-Line Inductance(mH)	0.5
L Length(mm)	11.8
Weight(kg)	0.4

\*Note: We can manufacture products according to customer's requirements.

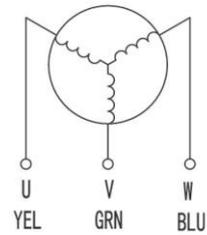
## Dimensions (Unit: mm)



# 72mm Outer Rotor Frameless BLDC Motor – ESDN Series



Winding Diagram

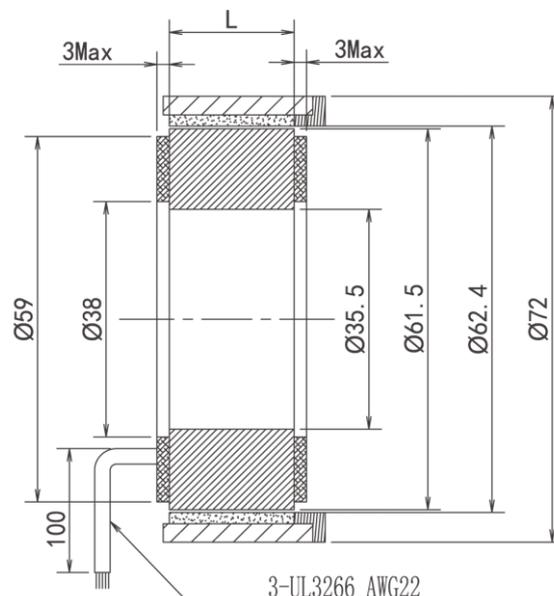


## Electrical Specifications:

Motor Model	72ESDN482020	72ESDN484120
Number of Phase	3	
Number of Poles	28	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	2000	
Rated Torque(N.m)	1.0	2.0
Rated Power(W)	209	419
Rated Current(A)	6.0	12
Peak Current(A)	12	24
Peak Torque(N.M)	2.0	4.0
Rotor Inertia(kg.cm <sup>2</sup> )	0.25	0.55
Torque Constant(N.m/A)	0.16	0.16
Torque Constant(V/krpm)	14	14
Line-Line Resistance( $\Omega$ )	1.2	0.5
Line-Line Inductance(mH)	1.2	0.4
L Length(mm)	10	20
Weight(kg)	0.4	0.6

\*Note: We can manufacture products according to customer's requirements.

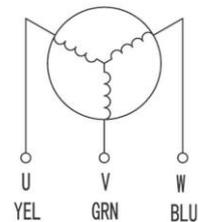
## Dimensions (mm)



# 76mm Outer Rotor Frameless BLDC Motor – EYDN Series



Winding Diagram

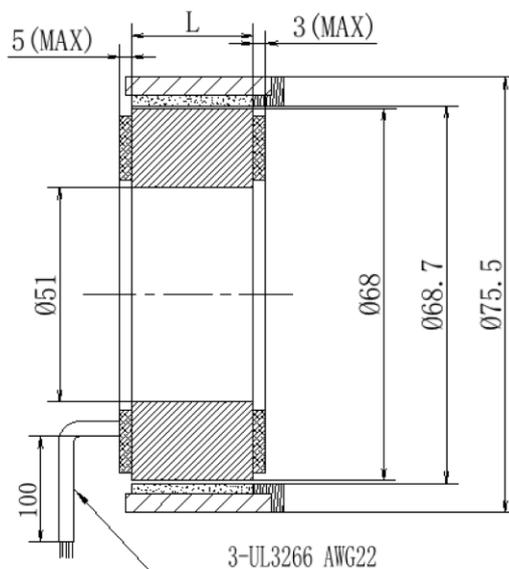


## Electrical Specifications:

Motor Model	76ESDN483520
Number of Phase	3
Number of Poles	42
Rated Voltage(VDC)	48
Rated Speed(Rpm)	2000
Rated Torque(N.m)	1.7
Rated Power(W)	356
Rated Current(A)	11
Peak Current(A)	22
Peak Torque(N.M)	3.4
Rotor Inertia(kg.cm <sup>2</sup> )	0.5
Torque Constant(N.m/A)	0.14
Torque Constant(V/krpm)	11
Line-Line Resistance( $\Omega$ )	0.29
Line-Line Inductance(mH)	0.15
L Length(mm)	14.4
Weight(kg)	0.4

\*Note: We can manufacture products according to customer's requirements.

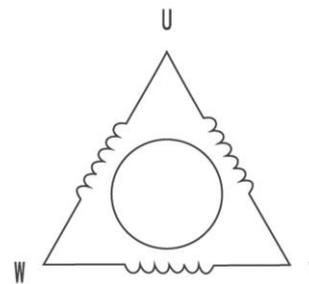
## Dimensions (mm)



# 88mm Outer Rotor Frameless BLDC Motor – ESXP Series



Winding Diagram

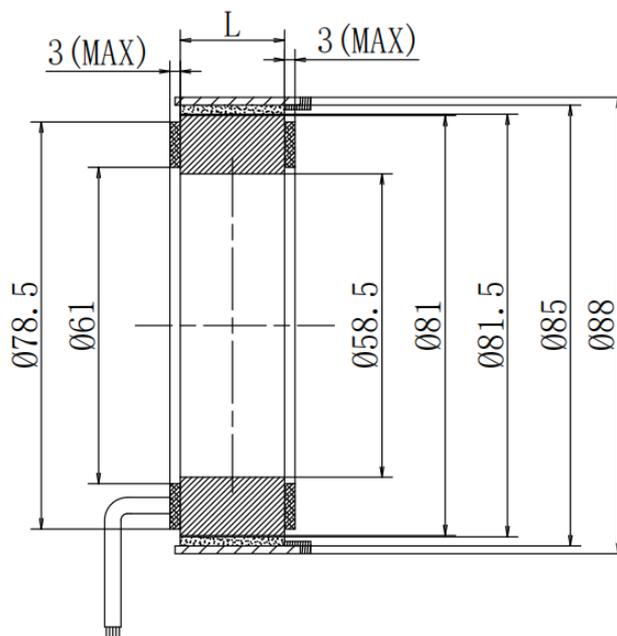


## Electrical Specifications:

Motor Model	88ESXP485030S
Number of Phase	3
Number of Poles	42
Rated Voltage(VDC)	48
Rated Speed(Rpm)	3000
Rated Torque(N.m)	1.7
Rated Power(W)	534
Rated Current(A)	15
Peak Current(A)	30
Peak Torque(N.M)	3.4
Rotor Inertia(kg.cm <sup>2</sup> )	0.9
Torque Constant(N.m/A)	0.11
Torque Constant(V/krpm)	9
Line-Line Resistance( $\Omega$ )	0.14
Line-Line Inductance(mH)	0.1
L Length(mm)	15
Weight(kg)	0.4

\*Note: We can manufacture products according to customer's requirements.

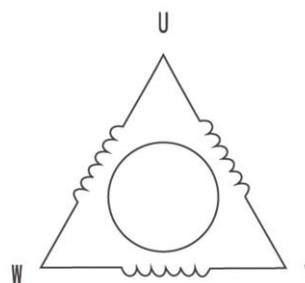
## Dimensions (mm)



# 110mm Outer Rotor Frameless BLDC Motor – ESXP Series



Winding Diagram



## Electrical Specifications:

Motor Model	110ESXP489430S	110ESXP481530S
Number of Phase	3	
Number of Poles	42	
Rated Voltage(VDC)	48	
Rated Speed(Rpm)	3000	
Rated Torque(N.m)	3.0	5.0
Rated Power(W)	942	1570
Rated Current(A)	25	41.6
Peak Current(A)	50	83.2
Peak Torque(N.M)	6.0	10.0
Rotor Inertia(kg.cm <sup>2</sup> )	1.2	1.9
Torque Constant(N.m/A)	0.12	0.12
Torque Constant(V/krpm)	5	8
Line-Line Resistance( $\Omega$ )	0.2	0.2
Line-Line Inductance(mH)	0.15	0.15
L Length(mm)	15	30
Weight(kg)	0.4	0.6

\*Note: We can manufacture products according to customer's requirements.

## Dimensions (mm)

