



Options



Gearboxes



Drive

Characteristics

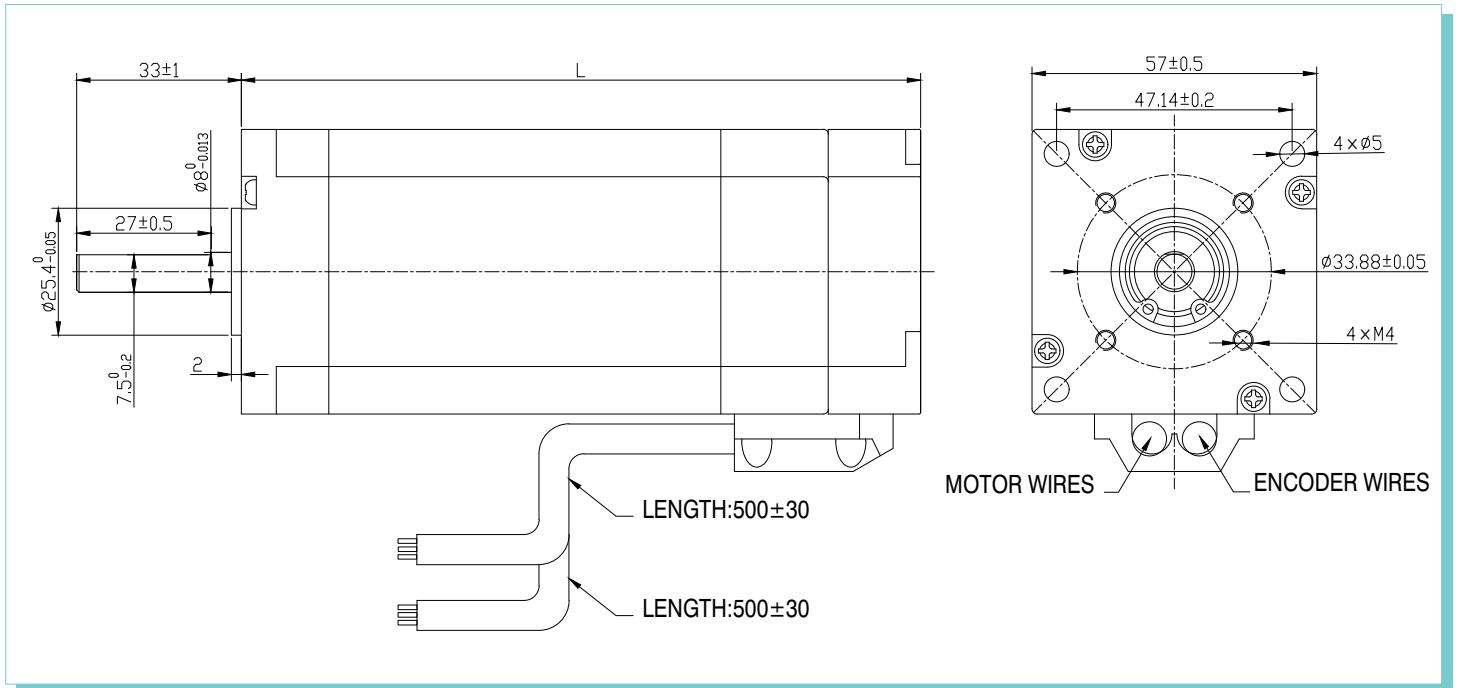
Number of pole	8
Number of phase	3
Hall effect angle	120°
Shaft run out	0,025 mm
Encoder Type*	Optical - Incremental 1000 CPR / 2 Channels
Insulation Class	B
Max radial force (20mm from flange)	115N
Max axial force	45N
Dielectric Strength (for 1 min)	500 VDC
Insulation Resistance (min. 500 VDC)	100 Mohm

Model

	Rated Voltage V	Rated Speed RPM	Rated Torque Nm	Max Peak Torque Nm	Torque Constant Nm/A	Line to Line Resistance Ω	Line to Line Inductance mH	Max Peak Current A	No-Load Current mA	Rotor Inertia g-cm ²	Weight Kg	Lenght mm
BL57096-090E.000	36	3.000	0,30	0,90	0,076	1,20	1,20	12,3	400	210	0,80	96
BL57116-135E.000	36	3.000	0,45	1,35	0,076	0,80	0,80	18,2	550	320	1	116
BL57136-180E.000	36	3.000	0,60	1,80	0,077	0,50	0,60	23,8	620	430	1,20	136

Product Combination

Family Name	Code	Communication Bus	Page
Gemini	B400B30T001-S200	Ethernet ModBus TCP	6
Gemini	B400B30E001-S402	Ethercat	6
Gemini	B400B30C001-S402	Can Open	6
Gemini	B400B30M001-S200	ModBus 485	6



Connection

No.	Lead Color	Wire Gauge	Function	Description
1	Red/White	AWG26	GND	Ground
2	Red		VCC: +5VDC	Positive supply voltage
3	Blue		EA-	Encoder
4	Blue/Black		EA+	
5	Black		EB-	
6	Black/White		EB+	
7	Brown	AWG18	HALL A	Hall Sensor
8	Orange		HALL B	
9	Yellow		HALL C	
1	Yellow	AWG18	Phase U	Motor Phase
2	Red		Phase V	
3	Black		Phase W	

* 3 Channel encoder or other encoder type possible (On request)