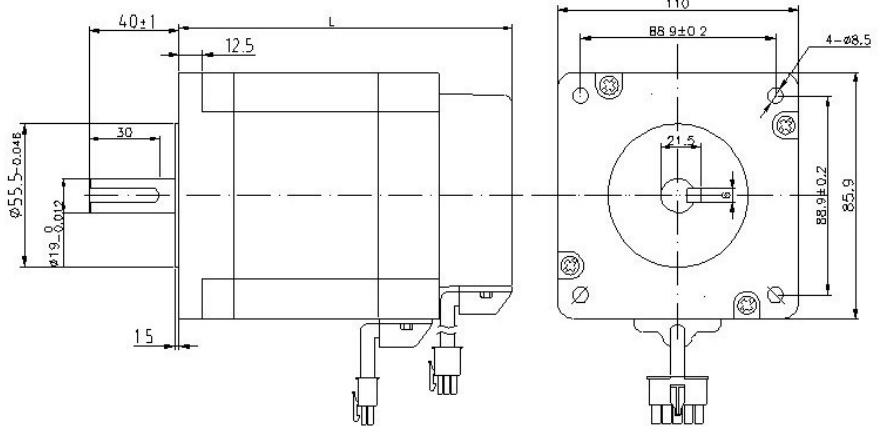


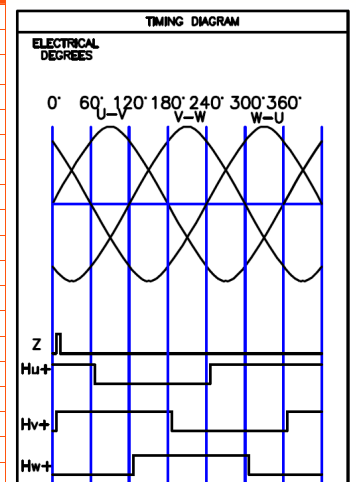


Illustrative Photo



Motor Parameters

Part No	BLM	110140	110200	Remarks
Nominal power	W	940	1885	
Nominal voltage	V	48	310	More voltage option
Nominal speed	rpm	3000	3000	More speed options
Nominal torque	mNm	3000	6000	
Nominal current	A	26	8	
Weight	g	4500	7000	
Motor Length (L)	mm	138	198	
No load speed	rpm	3600	3600	
No load current	mA			
Stall torque	mNm			
Starting current	mA			
Terminal resistance	ohm			
Terminal Inductance	mH			
Efficiency	%			
Torque Constant	mNm/A			
Back EMF Constant	mV/rpm			
No of Poles		8	8	



Phase diagram seen from output shaft

Planetary Gear Box Parameters (P8)

Part No: -nnP6		-4P8	-9P8	-15P8	-25P8	-36P8	-60P8	-100P8
Gear Ratio		4	9	15	25	36	60	100
Rated Torque	Nm	85	110	110	110	120	120	120
Peak Torque	Nm	170	220	220	220	240	240	240
Length (L)	mm	64	83	83	83	102	102	102
No. of Stage		1	2	2	2	3	3	3
Efficiency	%	96	94	94	94	90	90	90



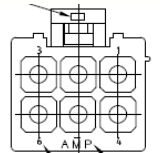
Hall Sensor: SS41 Honeywell
<http://www.inovamicro.com/support/SS41.pdf>

Encoder Parameters

Part No: -OEenn		-OE500	-OE1000	-OE2500
Resolution	PPR	500	1000	2500
Power Supply	V	5	5	5
Max Frequency	KHz	125	125	125
Index Pulse		Yes	Yes	Yes

Motor Connector (AMP 172168-1)

Pin	1	2	3	4	5	6
Color	YL	GN	-	BU	BK	-
Signal	U	V	-	W	SHD	-



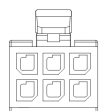
Motor Connectors (AMP 172168-1)
http://www.inovamicro.com/support/172168_1.pdf

Hall Sensor Connector (AMP 794617-6)

Pin	1	2	3	4	5	6
Color	GB	YL	BK	YB	GN	WH
Signal	0V	U	SHD	5V	V	W

Encoder Connector (AMP 794617-6)

Pin	1	2	3	4	5	6
Color	BK	GY	BK	RD	BN	OR
Signal	0V	A	SHD	5V	B	I



Sensor Connectors (AMP 794617-6)
<http://www.inovamicro.com/support/micromatenlock.pdf>

Order Information

Model No	-Voltage	-Gearbox	-Feedback Device	-Brake	- Customized Code
BLM-110140	-48	-4P8	-OE1000	-B	

Please find the ordering options from the Part No in the parameter tables above. For customizations, please contact sales@inovamicro.com

Driver Electronics

Part Number	
iMOTO-2	http://www.inovamicro.com/imoto.html
iMOTO-4	http://www.inovamicro.com/imoto.html