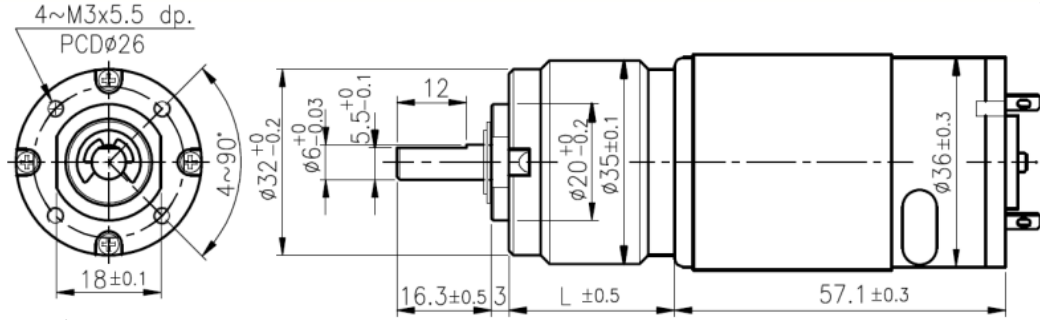
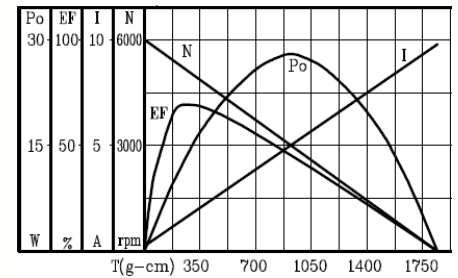
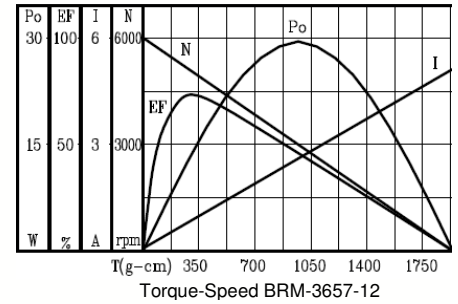




Illustrative Photo



Motor Parameters				
Part No	BRM	3657	3657	Remarks
Nominal power	W	12.8	12.7	
Nominal voltage	V	12	24	
Nominal speed	rpm	4930	5150	
Nominal torque	mNm	24	23	
Nominal current	A	1.6	0.75	
Weight	g	220	220	
Motor Length (L)	mm	57	57	
No load speed	rpm	6000	6000	
No load current	mA	250	130	
Stall torque	mNm			
Starting current	mA			
Terminal resistance	ohm			
Terminal Inductance	mH			
Efficiency	%			
Torque Constant	mNm/A			
Back EMF Constant	mV/rpm			

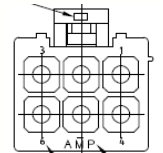


Planetary Gear Box Parameters								
Part No: -nnP		-5P	-14P	-27P	-51P	-100P	-189P	-516P
Gear Ratio		5	14	27	51	100	189	516
Rated Torque	Nm	0.1	0.24	0.47	0.76	1	1.2	1.2
Peak Torque	Nm	0.2	0.48	0.94	1.52	2	2.4	2.4
Length (L)	mm	22.1	28.5	28.5	34.9	34.9	41.3	41.3
No. of Stage		1	2	2	3	3	4	4
Efficiency	%							

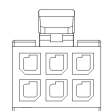
Encoder Parameters				
Part No: -OEenn		-OE200	-OE400	-OE512
Resolution	PPR	200	400	512
Power Supply	V	5	5	5
Max Frequency	KHz	125	125	125
Index Pulse				

Encoder Connector (AMP 794617-6) Optional						
Pin	1	2	3	4	5	6
Color	BK	GY	BK	RD	BN	OR
Signal	0V	A	SHD	5V	B	I

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



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

Order Information					
Model No	-Voltage	-Gearbox	-Feedback Device	-Brake	- Customized Code
BRM-3657	-24	-14P	-OE512		

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-1	<a href="http://www.inovamicro.com/imoto.html">http://www.inovamicro.com/imoto.html</a>
iMOTO-0	<a href="http://www.inovamicro.com/imoto.html">http://www.inovamicro.com/imoto.html</a>