

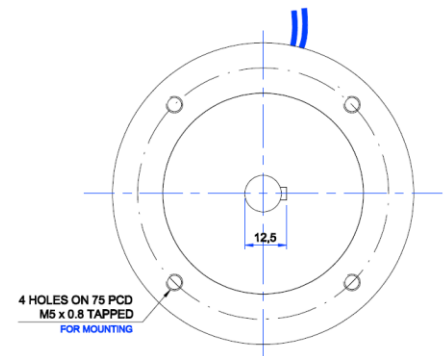
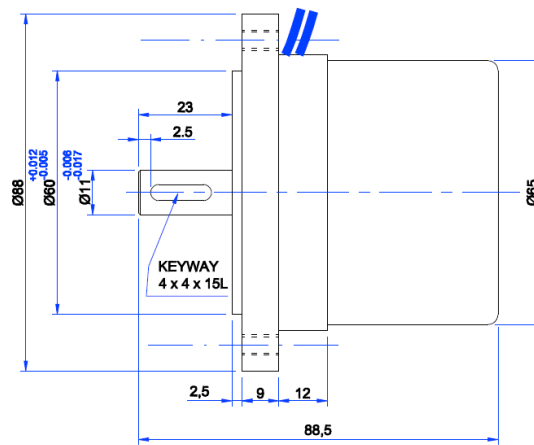
BLDC Motors Frame 23-2 Drawing 3464

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
60	12	1500	0.4	0.2	900	1500	5	<5000	65	80	11	27
60	12	3000	0.2	0.2	900	3000	5	<5000	65	80	11	27
60	24	1500	0.4	0.3	900	1500	2.5	<5000	65	80	11	27
60	24	3000	0.2	0.3	900	3000	2.5	<5000	65	80	11	27
60	48	1500	0.4	0.2	900	1500	1.25	<5000	65	80	11	27
60	48	3000	0.2	0.2	900	3000	1.25	<5000	65	80	11	27

CUSTOMIZE

Standard Drawing

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes



Test Curve

TEST DATA-23 FR -2

22 September 2020

STATOR 23-2 72T25G

CONNECTION STR

DIRECTION CWLW

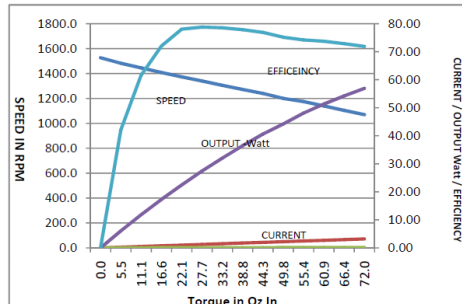
CONTROLLER -ULTRAWAT 24VDC 8 AMP

PULLEY RADIUS-1.57"

MOTOR SR.NO:-TC/BLDC-06-20.1K487

Resistance-Line to Line- 1.70Ω

WEIGHT	TORQUE	TORQUE	SPEED	CURRENT	OUTPUT	EFF
K.G	OZ IN	LB IN	r.p.m	A mp	watts	%
0.000	0.0	0	1527	0.20	0.00	0.00
0.100	5.5	0.35	1482	0.60	6.06	42.12
0.200	11.1	0.69	1445	0.80	11.83	61.60
0.300	16.6	1.04	1408	1.00	17.29	72.03
0.400	22.1	1.38	1373	1.20	22.48	78.04
0.500	27.7	1.73	1340	1.45	27.42	78.79
0.600	33.2	2.08	1305	1.70	32.04	78.54
0.700	38.8	2.42	1272	1.95	36.44	77.86
0.800	44.3	2.77	1240	2.20	40.60	76.89
0.900	49.8	3.11	1200	2.45	44.20	75.17
1.000	55.4	3.46	1175	2.70	48.09	74.21
1.100	60.9	3.81	1140	2.90	51.32	73.73
1.200	66.4	4.15	1104	3.10	54.22	72.87
1.300	72.0	4.50	1070	3.30	56.93	71.88



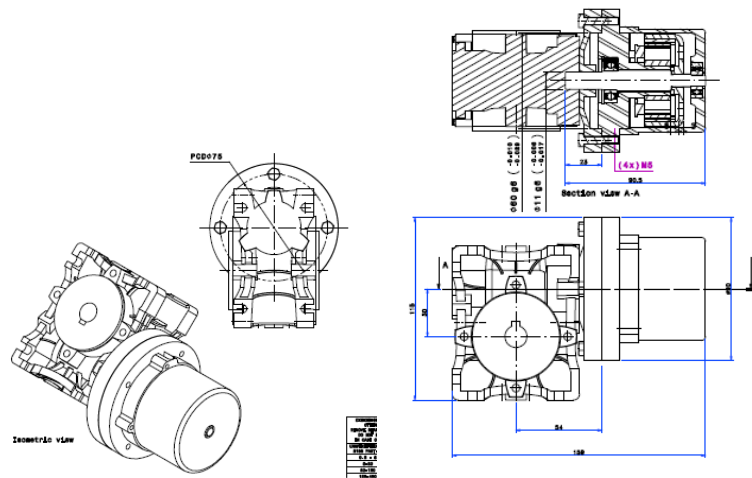
BLDC Motors Frame 23-2 with Worm Gear Box Drawing **3516**

Gear Ratio	7.5	10	15	20	25	30	40	50	60	80
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5

CUSTOMIZE

Customize Needs	Yes / No
Shaft	Yes

Standard Drawing

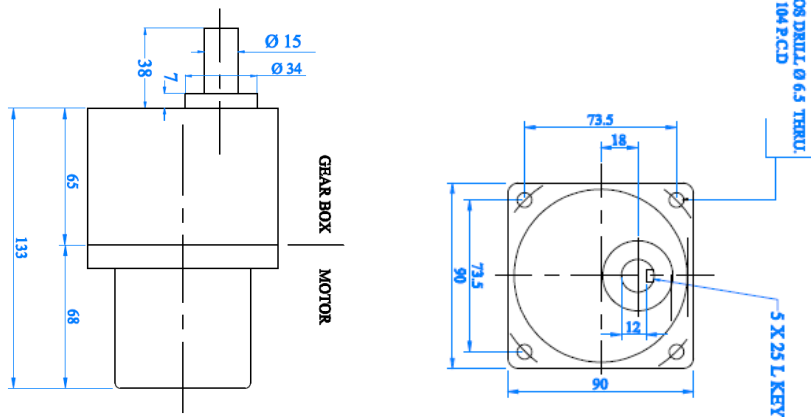


BLDC Motors Frame 23-2 with Inline Gear Box 80 * 80 Drawing **3470**

Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75	18.75	18.75	18.75	25	20
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5	37.5	37.5	37.5	50	40

Gear Ratio	90	100	120	150	180
Output Speed with 1500RPM	16.66	15	12.5	10	8.33
Output Speed with 3000RPM	33.33	30	25	20	16.66

Standard Drawing



CUSTOMIZE

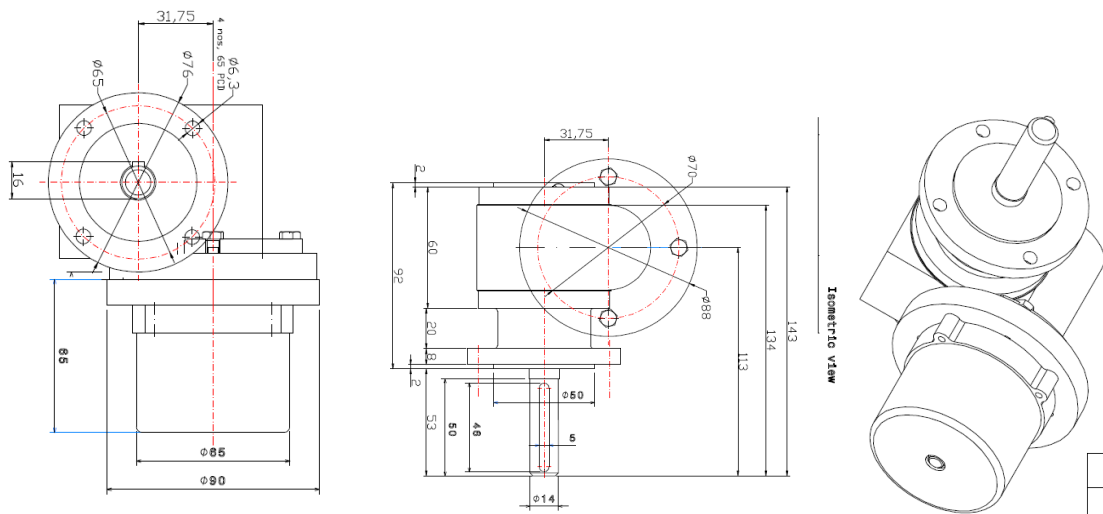
Customize Needs	Yes / No
Shaft	No

BLDC Motors Frame 23-2 with MMC worm Gear Box Drawing **3545**

Gear Ratio	10	16	24	48
Output Speed with 1500RPM	150	93.75	62.5	31.25
Output Speed with 3000RPM	300	187.5	125	62.5

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No



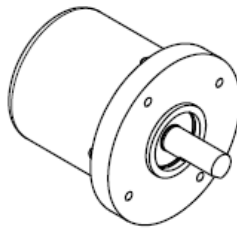
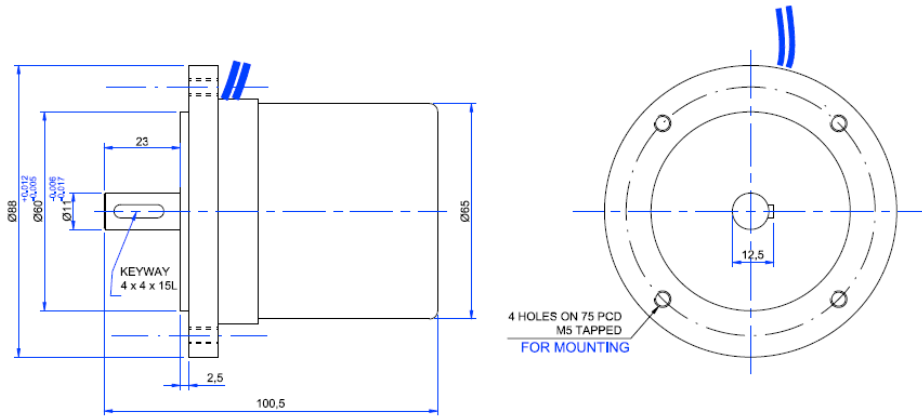
BLDC Motor 23-3 Frame Brushless motor Drawing 3465

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
100	24	1500	0.4	0.2	1000	1500	4.16	<5000	65	60	11	27
100	24	3000	0.2	0.2	1000	3000	4.16	<5000	65	60	11	27
150	48	1500	0.4	0.2	1000	1500	6.25	<5000	65	60	11	27
150	48	3000	0.2	0.2	1000	3000	6.25	<5000	65	60	11	27

CUSTOMIZE

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes

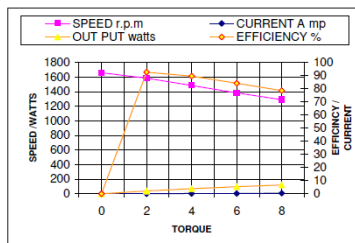
Standard Drawing



Test Curve

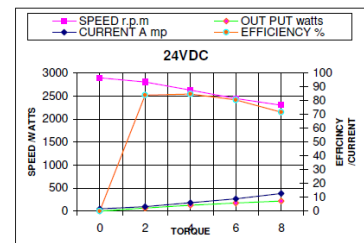
DIRECTION.... CCWLE EXTERNAL CONTROLLER EC#1079D
DATE: 12/5/2007

24VDC				
TORQUE	SPEED	CURRENT	OUT PUT	EFFICIENCY
l.b.in	r.p.m	A mp	watts	%
0	1660	0.00	0.00	0.00
2	1598	1.69	37.56	92.61
4	1484	3.26	70.20	89.73
6	1385	4.86	98.28	84.26
8	1289	6.46	121.96	78.66



DIRECTION.... CCWLE EXTERNAL CONTROLLER EC#1079D
DATE: 12/5/2007

24VDC				
TORQUE	SPEED	CURRENT	OUT PUT	EFFICIENCY
l.b.in	r.p.m	A mp	watts	%
0	2899	1.69	0.00	0.00
2	2803	3.29	66.30	83.97
4	2632	6.12	124.51	84.77
6	2448	8.99	173.71	80.51
8	2301	12.67	217.71	71.60



Part Code 23TC365100WORM

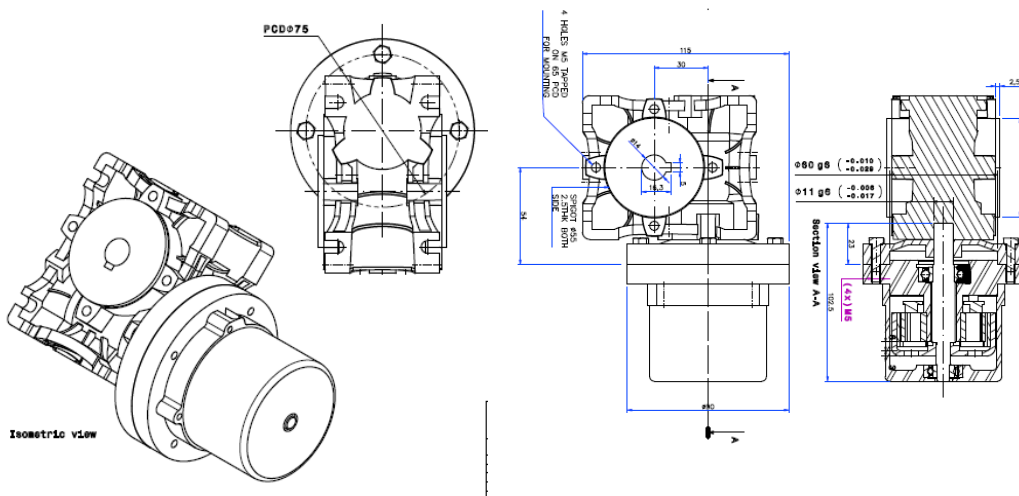
BLDC Motor Frame 23-3 with Worm Gear Box Drawing No **3517**

Gear Ratio	7.5	10	15	20	25	30	40	50	60	80
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5

CUSTOMIZE

Customize Needs	Yes / No
Shaft	Yes

Standard Drawing



Part Code 23TC365100RTGB

Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75	18.75	18.75	18.75	25	20
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5	37.5	37.5	37.5	50	40

CUSTOMIZE

Standard Drawing



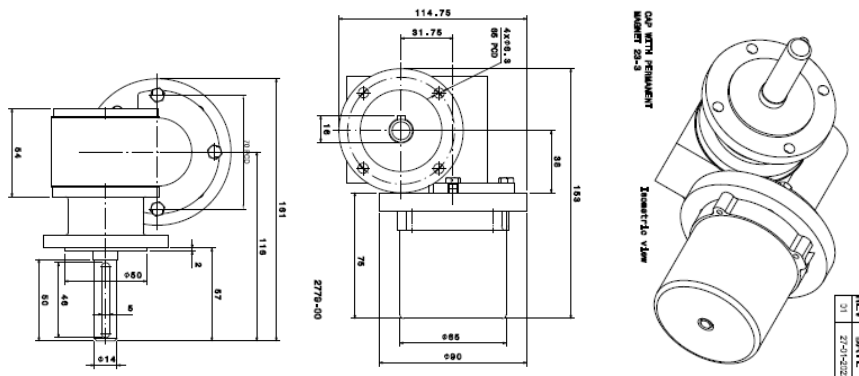
BLDC Motor Frame 23-3 with MMC worm Gear Box Drawing No **3494**

Gear Ratio	10	16	24	48
Output Speed with 1500RPM	150	93.75	62.5	31.25
Output Speed with 3000RPM	300	187.5	125	62.5

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No

Standard Drawing



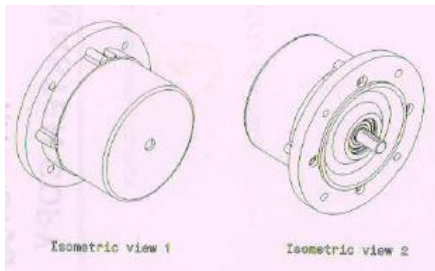
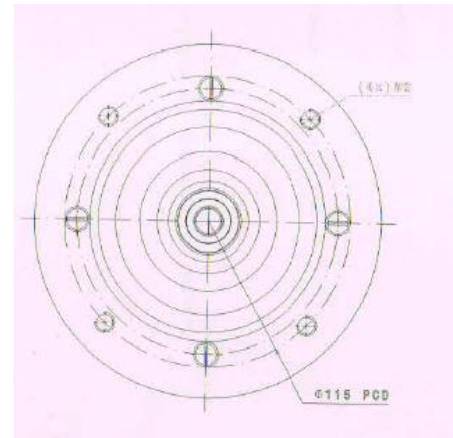
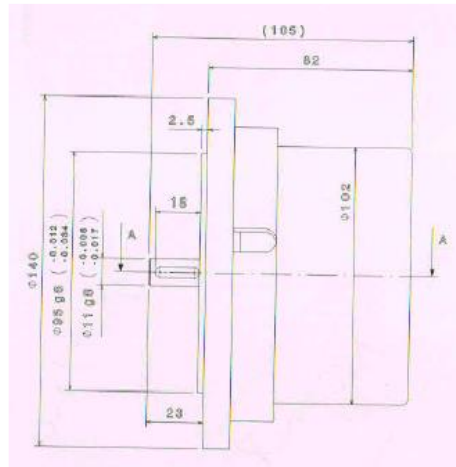
BLDC Motor Frame 34-2 Drawing **3607**

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
150	24	1500	1	0.6	2200	1500	6	<5000	140	105	11	23

CUSTOMIZE

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes

Standard Drawing



BLDC Motor Frame 34-2 with Helical Inline Gear Box 104 * 104 Drawing No **3422**

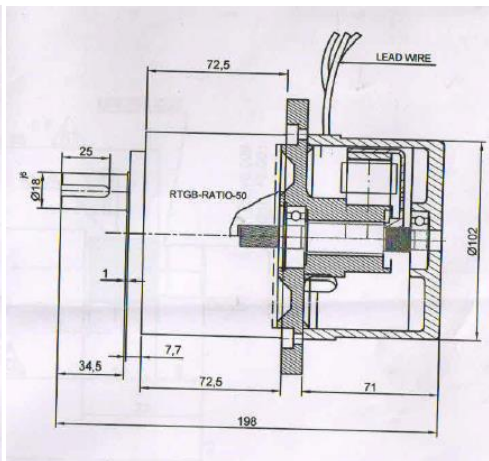
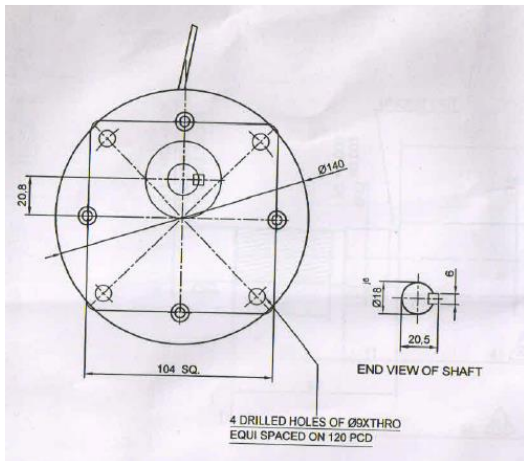
Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75	18.75	18.75	18.75	25	20
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5	37.5	37.5	37.5	50	40
Gear Ratio	90	100	120	150	180										
Output Speed with 1500RPM	16.66	15	12.5	10	8.33										
Output Speed with 3000RPM	33.33	30	25	20	16.66										

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No

Standard

Drawing



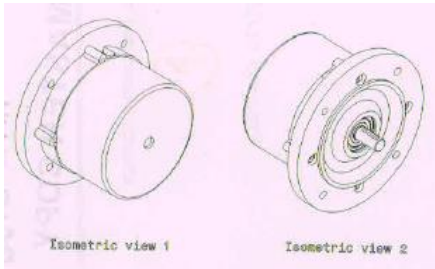
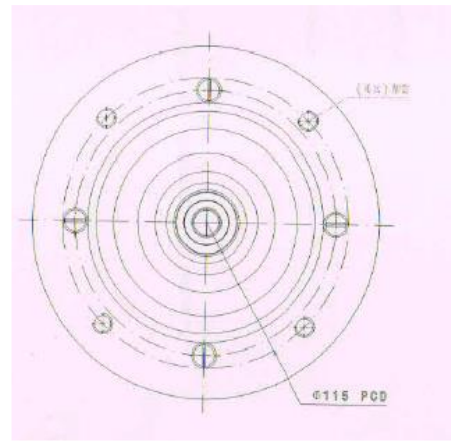
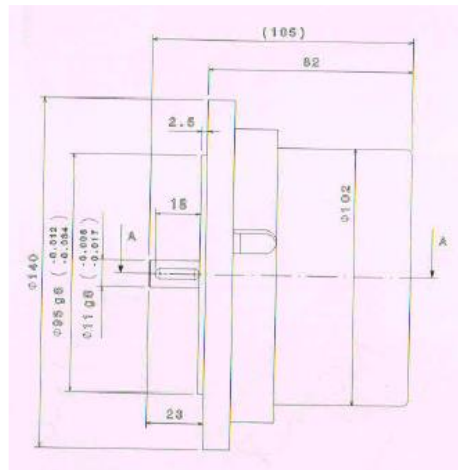
BLDC Motor Frame 36-2 Drawing 2830

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
200	24	1500	1.33	0.2	1000	1500	8.3	<5000	140	105	11	23
200	24	3000	0.6	0.3	1000	3000	8.3	<5000	140	105	11	23
200	48	1500	1.33	0.2	1000	1500	8.3	<5000	140	105	11	23
200	48	3000	0.6	0.3	1000	3000	8.3	<5000	140	105	11	23

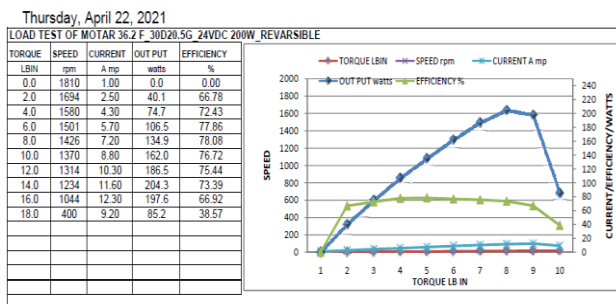
CUSTOMIZE

Standard Drawing

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes



Test Curve



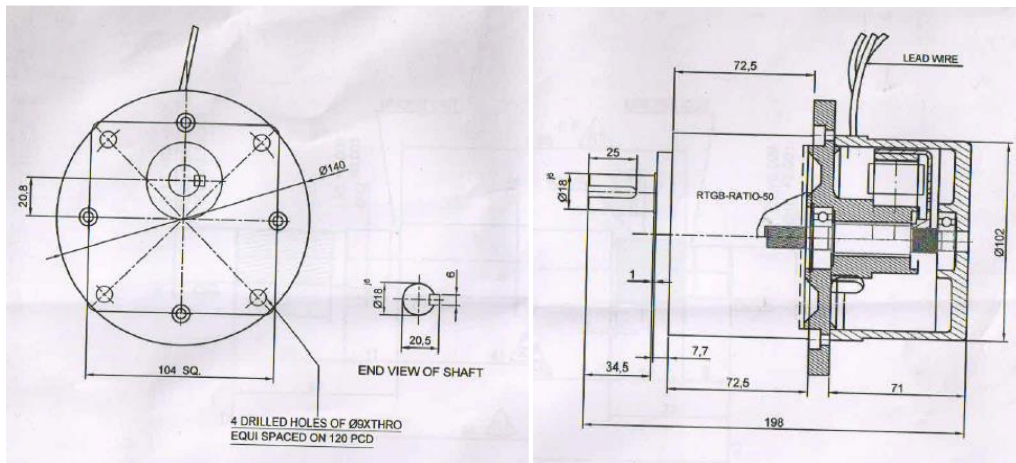
BLDC Motor Frame 36-2 with Helical Inline Gear Box 104 * 104 Drawing No **3422**

Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75	18.75	18.75	18.75	25	20
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5	37.5	37.5	37.5	50	40
Gear Ratio	90	100	120	150	180										
Output Speed with 1500RPM	16.66	15	12.5	10	8.33										
Output Speed with 3000RPM	33.33	30	25	20	16.66										

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No

Standard Drawing



BLDC Motor Frame 36-II Drawing N41110C

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
200	24	1500	1.3	0.7	1500	1500	8	<5000	129	80	11	23
200	36	1500	1.3	1.0	1500	1500	5	<5000	129	80	11	23
200	48	1500	1.3	0.8	1500	1500	4	<5000	129	80	11	23

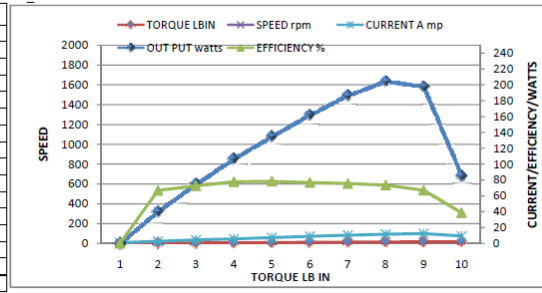
CUSTOMIZE

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes

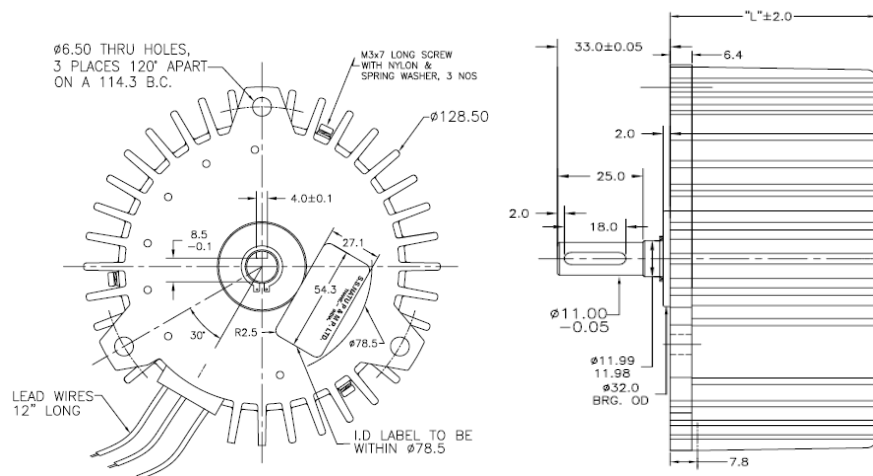
Thursday, April 22, 2021

LOAD TEST OF MOTOR 36.2 F 30D20.5G 24VDC 200W_REVERSIBLE

TORQUE LBIN	SPEED rpm	CURRENT A mp	OUT PUT watts	EFFICIENCY %
0.0	1810	1.00	0.0	0.00
2.0	1694	2.50	40.1	66.78
4.0	1580	4.30	74.7	72.43
6.0	1501	5.70	106.5	77.86
8.0	1426	7.20	134.9	78.08
10.0	1370	8.80	162.0	76.72
12.0	1314	10.30	186.5	75.44
14.0	1234	11.60	204.3	73.39
16.0	1044	12.30	197.6	66.92
18.0	400	9.20	85.2	38.57



Standard Drawing



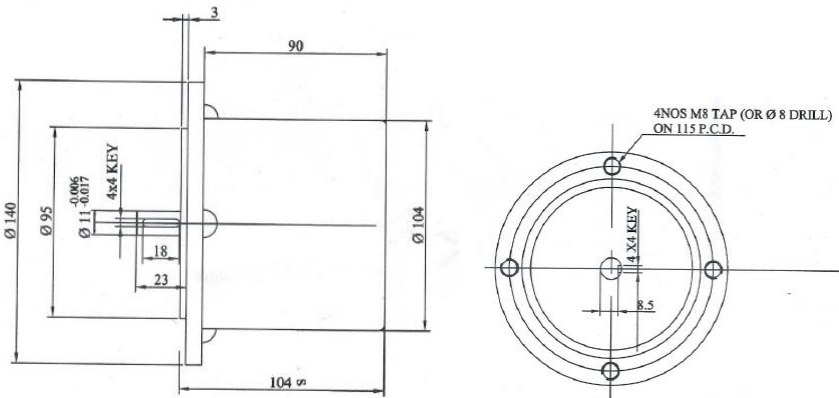
BLDC Motor Frame 36-3 Drawing 2864

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
400	24	1500	2.6	2.6	2600	1500	16	<5000	140	104	11	23
400	48	1500	2.6	1.3	2700	1500	8	<5000	140	104	11	23
400	24	3000	1.3	2.6	2700	3000	16	<5000	140	104	11	23
400	48	3000	1.3	1.3	2700	3000	8	<5000	140	104	11	23

CUSTOMIZE

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes

Standard Drawing

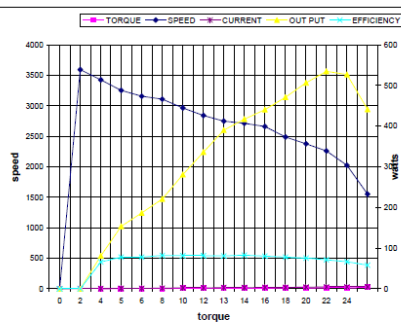


Test Curve

Test Voltage : 24 V DC

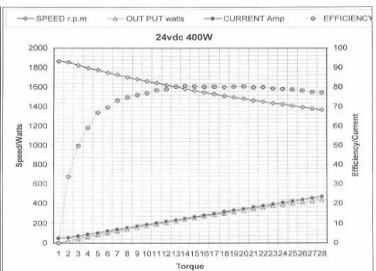
Rotation : CW

TORQUE l.b.in	SPEED r.p.m	CURRENT Amp	OUT PUT watts	EFFICIENCY %
0	3591	2.90	0.000	0.00
2	3423	5.10	80.966	66.15
4	3252	8.20	153.842	78.17
5	3158	10.00	186.744	77.81
6	3108	11.20	220.545	82.05
8	2965	14.30	280.530	81.74
10	2842	17.20	336.116	81.42
12	2748	20.00	389.999	81.25
13	2711	21.00	416.810	82.70
14	2660	22.80	440.428	80.49
16	2488	25.10	470.799	78.15
18	2378	28.00	506.232	75.33
20	2259	31.30	534.332	71.13
22	2024	33.00	526.621	66.49
24	1553	31.50	440.806	58.31



BMC 63 JHVDC 36-31415T188

TORQUE l.b.in	SPEED r.p.m	CURRENT Amp	OUT PUT watts	EFFICIENCY %
0	1895	2.44	0.0	0.00
1	1854	2.70	21.9	23.84
2	1829	3.81	43.2	49.84
3	1797	4.49	63.8	69.26
4	1776	5.23	84.1	87.02
5	1748	6.18	103.4	89.87
6	1727	6.87	122.6	73.27
7	1703	7.87	141.1	74.74
8	1682	8.72	159.2	75.08
9	1660	9.56	176.8	77.04
10	1644	10.33	194.5	78.40
11	1620	11.13	210.6	78.94
12	1606	11.84	226.1	80.29
13	1583	12.58	243.6	80.66
14	1568	13.43	269.4	80.49
15	1548	14.26	274.6	80.37
16	1530	15.03	289.6	80.31
17	1512	15.83	304.1	80.04
18	1498	16.55	319.1	80.34
19	1482	17.26	333.2	80.43
20	1465	18.09	346.8	79.89
21	1451	18.78	360.7	80.04
22	1437	19.64	374.0	79.35
23	1426	20.44	388.2	79.15
24	1410	21.19	400.4	78.72
25	1395	21.96	412.6	78.29
26	1380	22.83	424.6	77.46
27	1367	23.55	436.7	77.28



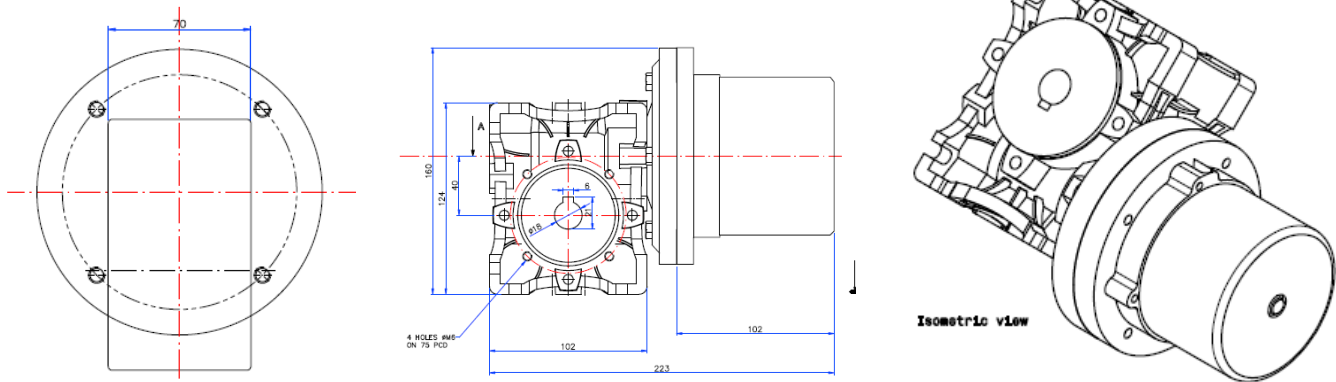
BLDC Motor Frame 36-3 with Worm Gear Box Drawing No 3614

Gear Ratio	7.5	10	15	20	25	30	40	50	60	80
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No

Standard Drawing



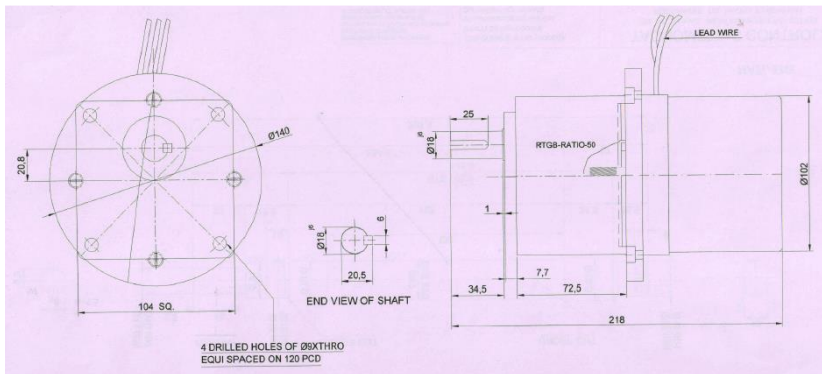
BLDC Motor Frame 36-3 with Helical Inline Gear Box 104 * 104 Drawing No **3373A**

Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75
Output Speed with 1500RPM	200	150	100	75	60	50	37.5	30	25	18.75	18.75	18.75	18.75	25	20
Output Speed with 3000RPM	400	300	200	150	120	100	75	60	50	37.5	37.5	37.5	37.5	50	40
Gear Ratio	90	100	120	150	180										
Output Speed with 1500RPM	16.66	15	12.5	10	8.33										
Output Speed with 3000RPM	33.33	30	25	20	16.66										

CUSTOMIZE

Customize Needs	Yes / No
Shaft	No

Standard Drawing

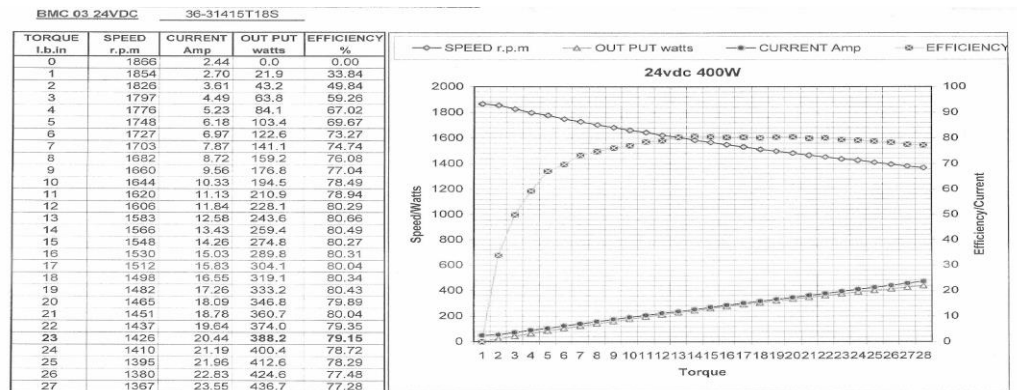


BLDC Motor Frame 36-III Drawing N41110C

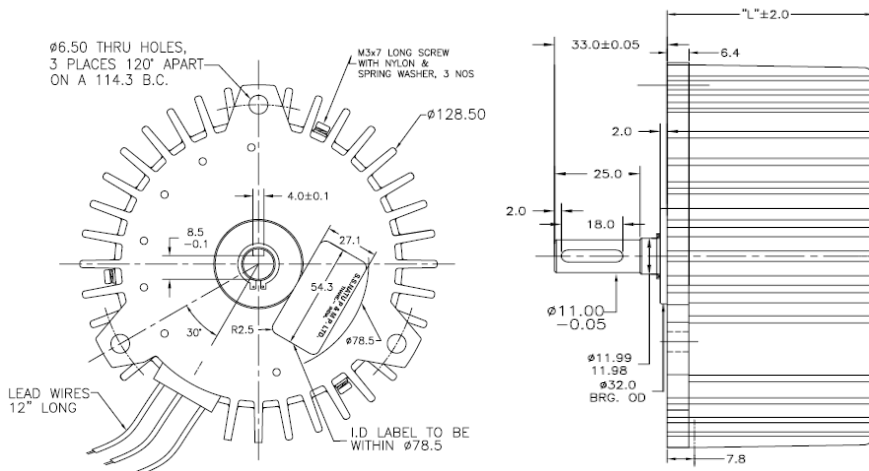
Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
400	24	1500	2.6	0.4	1800	1500	16	<5000	129	80	11	23
400	24	3000	1.3	1.0	1800	3000	16	<5000	129	80	11	23
400	36	1500	2.6	1.1	1800	1500	11	<5000	129	80	11	23
400	48	1500	2.6	1.5	1800	1500	8	<5000	129	80	11	23
400	48	3000	1.3	0.6	1800	3000	8	<5000	129	80	11	23

CUSTOMIZE

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes



Standard Drawing



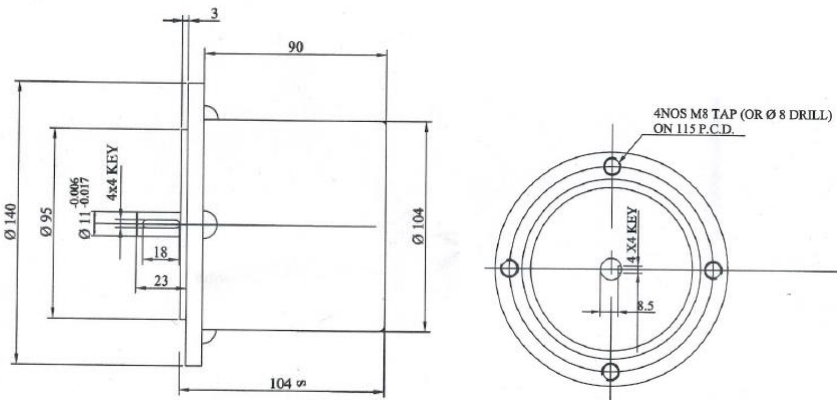
BLDC Motor Frame 36-3 Drawing 2864

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
600	24	3000	2	0.7	2700	3000	25	<5000	140	104	11	23
600	48	3000	2	1.5	2700	3000	12.5	<5000	140	104	11	23

CUSTOMIZE

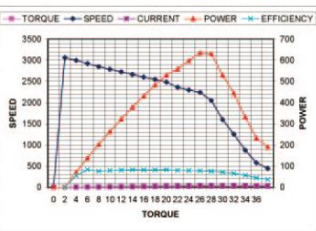
Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm, Helical)	Yes
Break	Yes
Back End Shaft	Yes

Standard Drawing



TEST VOLTAGE : 24 V DC

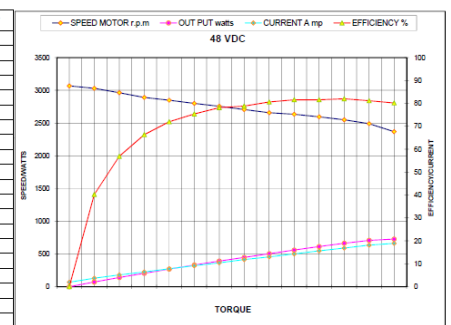
TORQUE	SPEED	CURRENT	OUT PUT	EFFICIENCY
0	3062	2.70	0.000	0.00
2	3050	5.40	76.960	54.75
4	3025	8.00	153.92	83.50
6	2855	11.00	202.560	76.74
8	2782	13.80	284.160	76.76
10	2720	16.50	322.800	81.41
12	2687	19.00	378.500	83.01
14	2605	21.80	431.320	82.44
16	2550	24.30	482.510	82.74
18	2487	26.60	529.430	82.93
20	2384	28.90	559.180	80.62
22	2351	31.40	585.650	78.44
24	2241	34.00	630.080	77.65
26	2052	34.50	630.880	76.21
28	1600	35.80	525.830	71.45
30	1254	28.3	444.922	65.51
32	877	24.30	331.806	56.91
34	578	21.80	232.418	44.22
36	447	21.40	190.318	37.06

16-1 MOTOR PERFORMANCE CURVE
EXTERNAL CONTROLLER, BMC 03

TORQUE	SPEED MOTOR	CURRENT	OUT PUT	EFFICIENCY
0	3062	1.98	0.0	0.00
2	3031	3.71	71.7	40.26
4	2964	5.13	140.2	55.94
6	2891	6.44	205.1	66.36
8	2849	7.60	269.6	72.00
10	2800	8.15	331.1	75.40
12	2787	10.43	391.3	78.16
14	2707	11.84	448.2	78.87
16	2659	13.00	503.2	80.63
18	2625	14.32	560.9	81.61
20	2595	15.67	613.9	81.61
22	2550	16.55	663.5	82.03
24	2491	18.14	707.0	81.20
26	2369	18.92	728.5	80.21

48 VDC

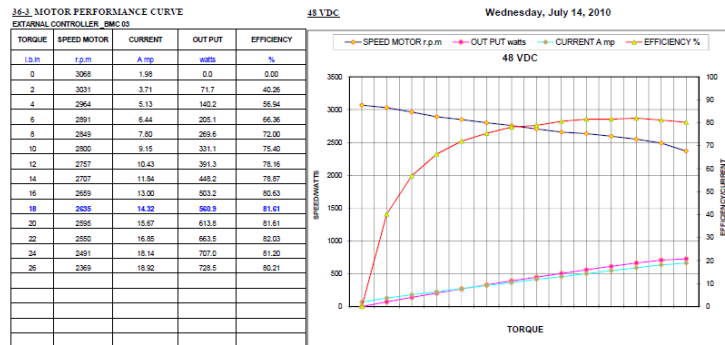
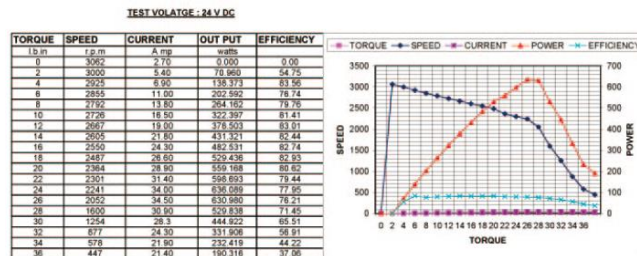
Wednesday, July 14, 2010



Part Code 36TC3129600

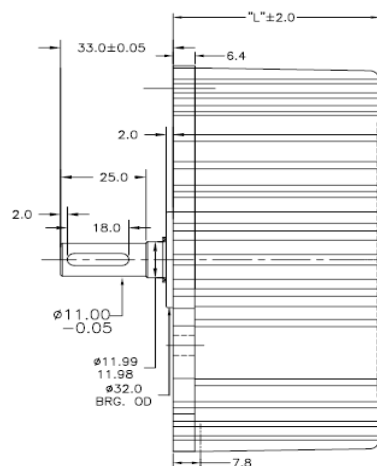
Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
600	24	3000	2	0.7	2400	3000	25	<5000	129	80	11	23
600	48	3000	2	1.5	2400	3000	12.5	<5000	129	80	11	23

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes



Technical drawing of a circular component with 12 teeth and 3 thru holes. The drawing includes the following dimensions and features:

- Outer Diameter:** $\varnothing 128.50$
- Inner Diameter:** $\varnothing 78.5$
- Teeth:** 12 teeth, each with a width of 4.0 ± 0.1 .
- Through Holes:** 3 holes, each with a diameter of $\varnothing 6.50$, spaced 120° apart on a 114.3 B.C. (Basic Circle).
- Assembly Instructions:** M3x1 LONG SCREW WITH NYLON & SPRING WASHER, 3 NOS.
- Lead Wires:** LEAD WIRES 12" LONG.
- Label:** I.D LABEL TO BE WITHIN $\varnothing 78.5$.
- Other Dimensions:**
 - 8.5 (tooth height)
 - -0.1 (tooth thickness at base)
 - 30° (tooth angle)
 - $R2.5$ (fillet radius)
 - 27.1 (tooth width at base)
 - 54.3 (tooth width at top)
 - 114.3 (B.C. diameter)



Tachometric Controls

Part Code 58TC11811HP

BLDC Motor Frame 58-1 Drawing N54260C

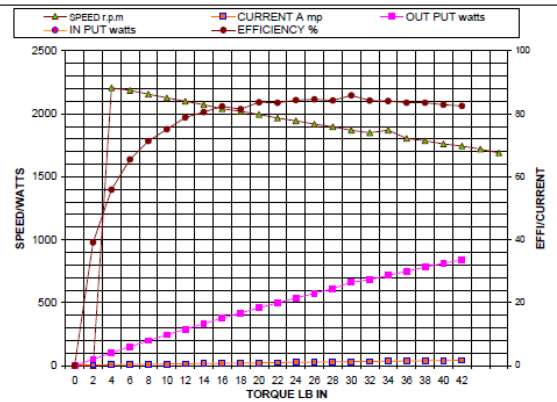
Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
750	24	2100	2.7	4.1	4500	2100	31	<5000	181	89	19	60
750	48	2700	2.7	2.1	4500	2700	15	<5000	181	89	19	60

CUSTOMIZE

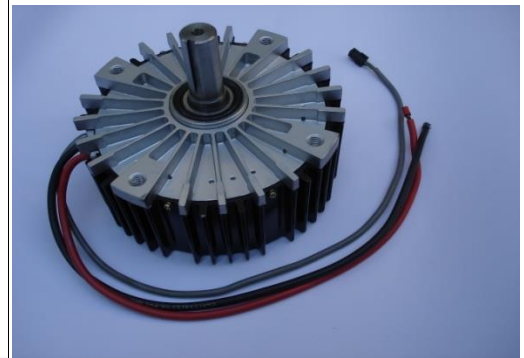
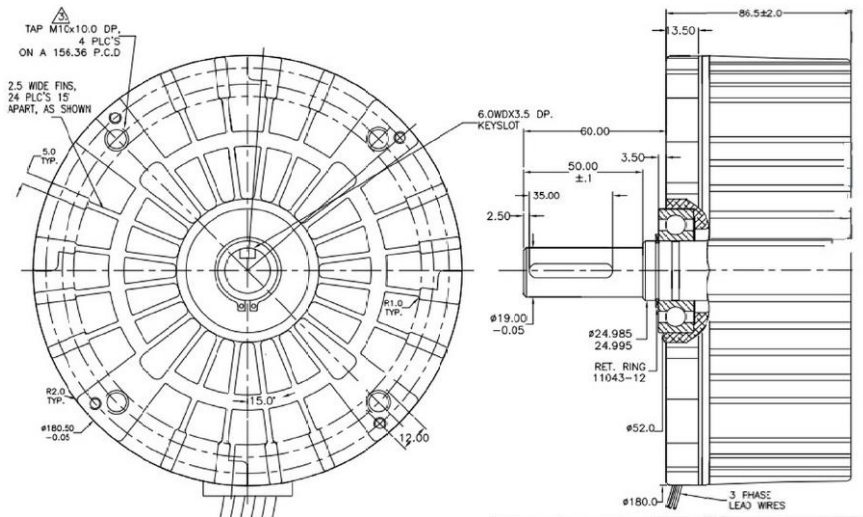
Test Curve

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes

CCW CONT-BMC 09A 24VDC						
TORQUE	SPEED	CURRENT	IN PUT	OUT PUT	EFFICIENCY	
LB IN	r.p.m	Amps	watts	watts	%	
0.0	2208	4.80	110.40	0.00	0.00	
2.0	2188	5.50	132.00	51.71	39.17	
4.0	2156	7.80	182.40	101.99	55.92	
6.0	2127	9.60	230.40	150.93	65.51	
8.0	2100	11.6	278.40	198.69	71.37	
10.0	2072	13.6	326.40	245.05	75.08	
12.0	2040	15.3	367.20	289.52	78.84	
14.0	2020	17.3	415.20	334.48	80.55	
16.0	1995	19.1	458.40	377.51	82.35	
18.0	1968	21.4	513.60	418.52	81.49	
20.0	1944	22.9	549.60	459.82	83.67	
22.0	1918	24.9	597.60	499.04	83.51	
24.0	1897	26.6	638.40	538.45	84.34	
26.0	1869	28.3	679.20	574.71	84.62	
28.0	1850	30.3	727.20	612.63	84.24	
30.0	1870	32.2	772.80	653.48	85.85	
32.0	1805	33.8	811.20	683.11	84.21	
34.0	1798	35.6	854.40	718.17	84.08	
36.0	1761	37.4	897.60	749.77	83.53	
38.0	1744	39.1	938.40	783.78	83.52	
40.0	1720	40.9	981.60	813.68	82.89	
42.0	1660	42.4	1017.60	839.46	82.49	



Standard Drawing



BLDC Motor Frame 58-1 Drawing N54260C

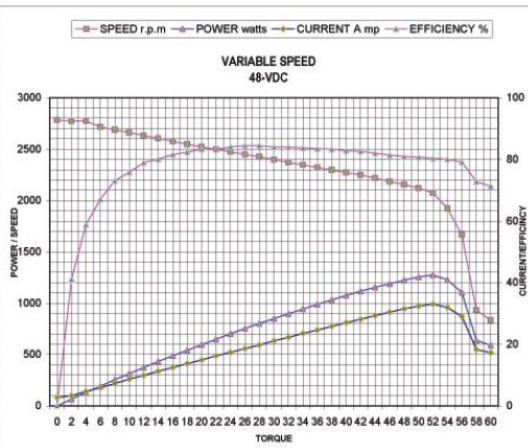
Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
1000	48	2600	3.8	2.4	4500	2100	20	<5000	181	89	19	60
1200	48	2600	4.6	2.9	4500	2700	25	<5000	181	89	19	60

CUSTOMIZE

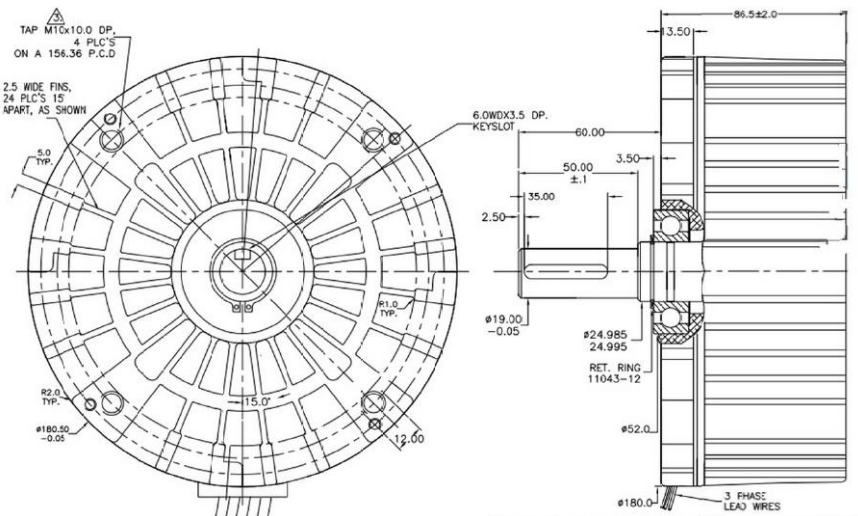
Test Curve

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes

TORQUE	SPEED	CURRENT	POWER	EFFICIENCY
Lb.in	r.p.m	A.m.p	watts	%
0	2762	2.75	0.0	0.00
2	2772	3.33	85.6	41.02
4	2774	4.65	131.2	58.79
6	2717	5.99	192.8	67.06
8	2689	7.25	254.4	73.11
10	2660	8.65	314.6	75.77
12	2631	9.85	373.4	78.88
14	2603	11.22	431.0	80.03
16	2576	12.45	487.5	81.57
18	2548	13.72	542.4	82.36
20	2522	14.92	596.5	83.30
22	2496	16.26	649.4	83.21
24	2473	17.39	701.9	84.09
26	2448	18.56	752.7	84.49
28	2424	19.80	802.7	84.46
30	2397	21.09	850.5	84.01
32	2372	22.27	897.7	83.68
34	2346	23.47	943.3	83.74
36	2320	24.65	987.8	83.48
38	2297	25.82	1032.3	83.29
40	2272	27.02	1074.9	82.87
42	2248	28.15	1116.6	82.84
44	2218	29.30	1154.2	82.07
46	2184	30.39	1188.2	81.45
48	2155	31.50	1223.4	80.81
50	2122	32.36	1254.6	80.79
52	2073	33.08	1274.6	80.29
54	1922	31.95	1227.5	80.04
56	1665	29.02	1102.7	79.16
58	932	18.28	639.3	72.86
60	832	17.25	580.4	71.30



Standard Drawing



BLDC Motor Frame 58-2 Drawing N54800C

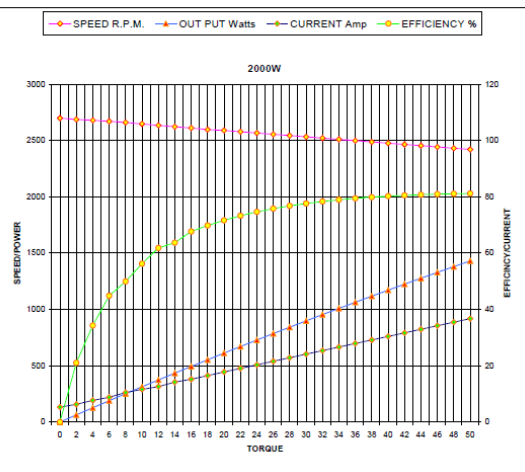
Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
1500	48	2600	5.7	3.1	4500	2100	31	<5000	181	112	19	60
2000	48	2600	7.6	3.5	4500	2700	41	<5000	181	112	19	60

CUSTOMIZE

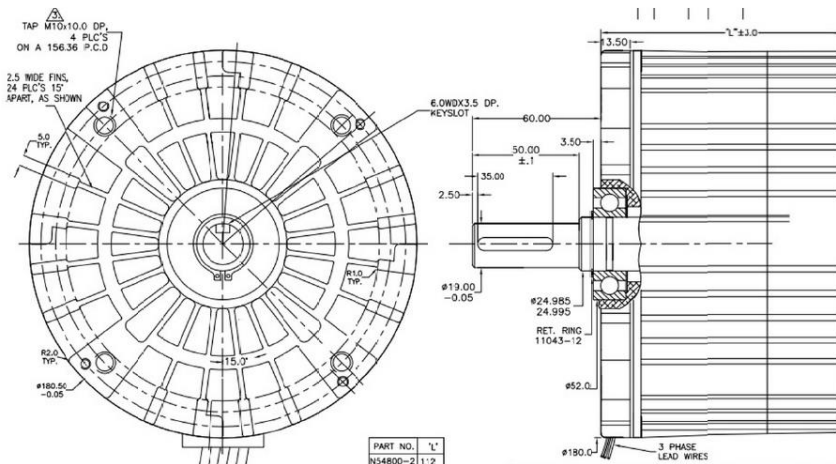
Test Curve

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes

TORQUE lb. in	SPEED R.P.M.	CURRENT Amp	OUT PUT Watts	EFFICIENCY %
0	3205.00	6.00	0.00	0.00
2	3185.00	6.90	75.64	22.84
4	3163.00	8.30	150.58	37.80
6	3167.00	10.00	224.73	46.82
8	3152.00	11.30	298.22	54.98
10	3133.00	12.90	370.53	59.84
12	3116.00	14.50	442.23	63.54
14	3095.00	15.90	506.97	68.54
16	3080.00	17.60	579.04	69.54
18	3060.00	18.90	648.22	71.45
20	3045.00	20.70	715.52	72.01
22	3025.00	22.00	781.61	74.02
24	3004.00	23.80	848.69	74.29
26	2990.00	25.00	913.26	76.11
28	2970.00	26.90	978.23	75.80
30	2948.00	28.00	1042.76	77.59
32	2939.00	28.40	1105.02	81.06
34	2919.80	30.81	1174.08	79.38
36	2902.31	32.30	1235.69	75.70
38	2884.52	33.79	1296.48	75.95
40	2867.32	35.27	1356.44	80.12
42	2849.83	36.75	1415.58	80.24
44	2832.34	38.24	1473.88	80.30
46	2814.85	39.73	1531.36	80.31
48	2797.35	41.21	1578.08	75.78
50	2779.86	42.70	1633.49	75.70
52	2762.37	44.18	1688.83	80.11
54	2744.88	45.67	1753.00	79.97
56	2727.38	47.15	1806.34	79.81
58	2709.89	48.64	1858.85	79.62
60	2692.40	50.12	1910.54	79.41
62	2674.90	51.61	1961.40	79.19
64	2657.41	53.09	2011.43	78.93



Standard Drawing



Tachometric Controls

Part Code 58TC21813KW

BLDC Motor Frame 58-3 Drawing N54800C

Wattage	Voltage VDC	No Load RPM	Torque in NM	No Load Current	Approx Weight in GM	Rated Speed	Rated Current	Life (Hrs)	Motor		Shaft	
									Dia	Length	Dia	Length
3000	48	2600	11.5	5.6	6500	2600	62	<5000	181	131	19	60

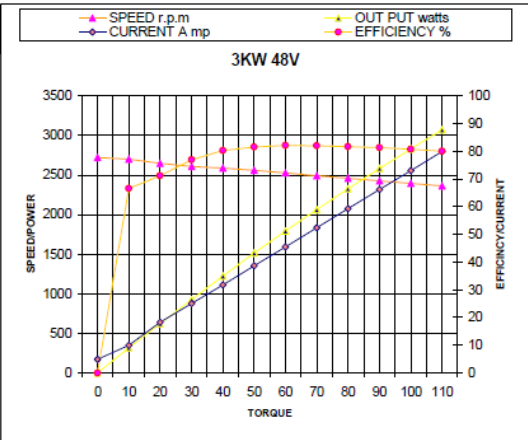
CUSTOMIZE

Test Curve

Customize Needs	Yes / No
H	Yes
Shaft	Yes
Speed	Yes
Voltage	Yes
Power	Yes
Wires	Yes
Drive	Yes
Internal Drive	Yes
Hall / No Hall	Yes
Gear Box (Planetary, Worm)	Yes
Break	Yes
Back End Shaft	Yes

58-3 5/6T 15X2 swg

TORQUE	SPEED	CURRENT	OUT PUT	EFFICIENCY
l.b.in	r.p.m	A mp	watts	%
0	2722	4.92	0.00	0.00
10	2701	10.00	319.44	66.55
20	2650	18.35	626.82	71.16
30	2610	25.07	926.03	76.95
40	2589	31.79	1224.78	80.26
50	2561	38.67	1514.41	81.59
60	2530	45.55	1795.30	82.11
70	2492	52.43	2063.38	81.98
80	2460	59.31	2327.20	81.74
90	2427	66.20	2583.29	81.30
100	2394	73.08	2831.64	80.73
110	2362	79.96	3072.25	80.05



R.I

Standard Drawing

