



**MAGNETIC BRAKE SYSTEMS**  
*A DIVISION OF TECHNICAL FILM SYSTEMS, INC.*

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**DYNAMOMETER DATA SHEET**  
**(VERSION1.0)**



**DB6B-3.75-FM**  
**DB6B-3.75-BM**

**DB6M-3.75-FM**  
**DB6M-3.75-BM**

10/13/2023



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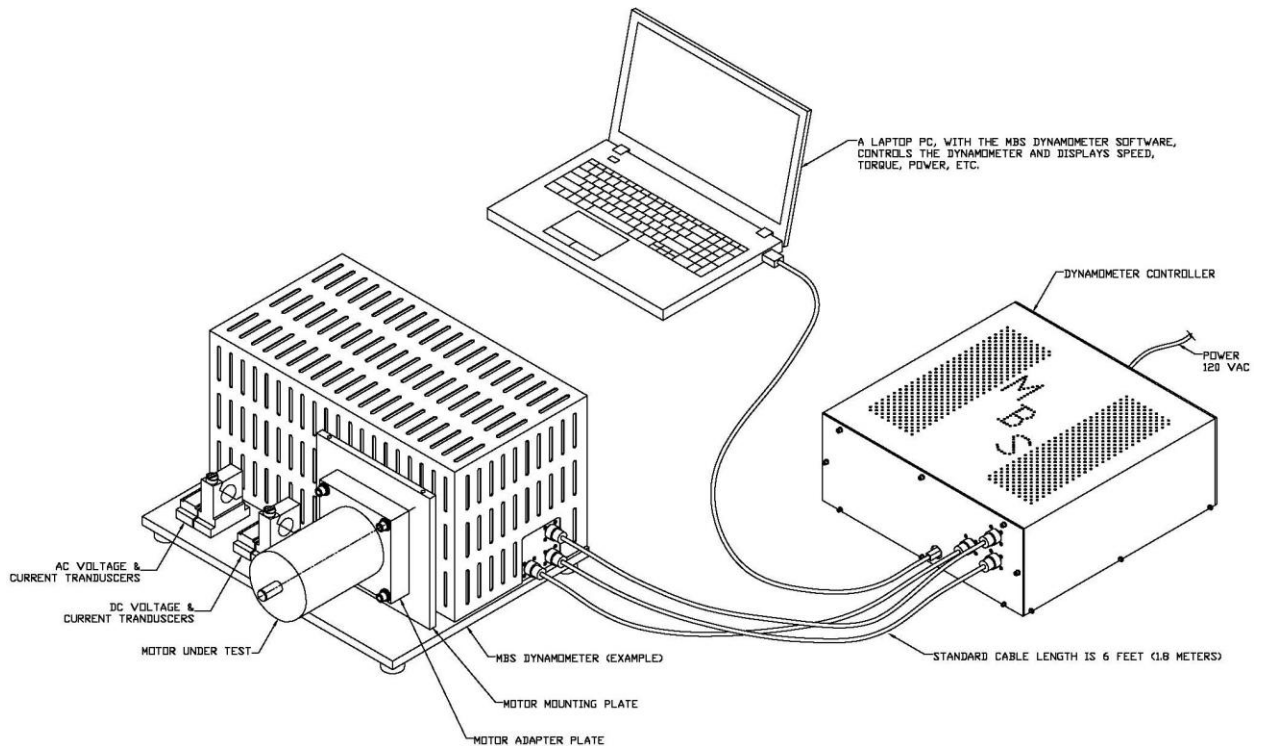
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## 1. OVERVIEW

This data sheet is a reference for the performance specifications of the dynamometer models listed on the cover page.

The MBS dynamometers may be used to test just about any type of motor (i.e. electric, hydraulic, pneumatic, reciprocating). Types of testing include: endurance testing, speed versus torque curves, measure stall torque, efficiency, temperature rise, performance verification, etc. MBS dynamometers are sold as complete systems (shown in image below) that include: the dynamometer, controller, computer with software, calibration weight, manual and all cables. MBS systems do not require annual fees, licenses or permits. The software is user friendly, easily configurable (i.e. changing units, display scale limits, data acquisition rate, etc.) and has some safety precautions build in to prevent damage to the motor under test and/or the system (i.e. brake temperature sensor, setting current limit, setting power limit, trigger input signals).



The nomenclature of the dynamometer model number is described at the end of this document. The power dissipation rating for this system is located on the bottom of the cover page. This data sheet may also be used to determine the best configuration for a system.

Dynamometers, or more specifically the size of the brakes for the dynamometers, are selected based on the required power dissipation and required torque.

A belt coupled system will provide a much broader range of torque/speed supplied to the motor under test, which makes a dynamometer more cost-effective and diverse than a direct drive system. The pulleys are mounted to the brake and an idler shaft which the motor is coupled to. The idler shaft strictly provides a torsional load to the motor.



There are two options in load cell configurations for this system.

First option: motor load cell is included (i.e. DB6M-3.75-FM or DB6M-3.75-BM). In this system, the operator may exchange the motor load cell as required in order to provide the highest accuracy of measurement for a specific torque range. Accuracy plots may be viewed in Section 3: Motor Torque and Speed. The brake may also have its own load cell; depends on the customer requirements. For single brake systems, the controller for the brake may use the motor load cell or brake load cell to control the torque of the brake.

The software allows the operator to switch between reading/recording the motor torque and brake torque. In some cases, such as when a motor is placed in an environmental test chamber (the dynamometer remains outside the test chamber), it may not be possible to measure the motor torque.

Second option: motor load cell is not included (i.e. Model DB6B-3.75-FM or DB6B-3.75-BM). For this system, the motor torque is calculated by measuring the brake torque and multiplying by the transmission. Though belt friction, bearing friction and any other minor losses may not be accounted for in the measurements, the bearing friction is usually negligible and a properly aligned belt may have an efficiency as high as 98%. When measuring the brake torque, the air drag from the brake is not measured; however, the dynamometer software compensates for the air drag.

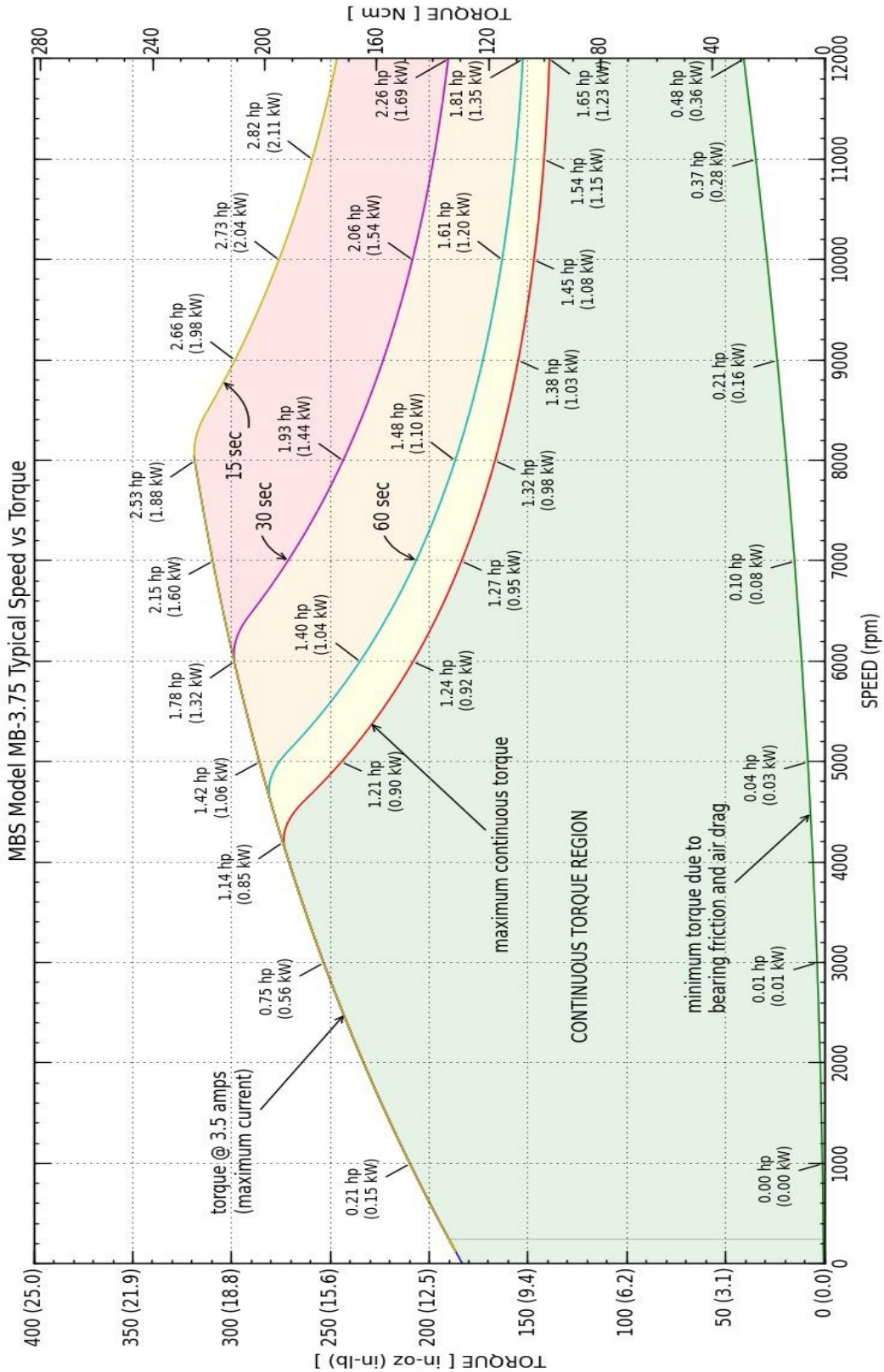
The motor torque, motor speed, voltage range, current range and power type(s) (i.e. DC, AC, AC-3ph) need to be specified when purchasing a dynamometer in order to select the types and limits for the measurement instruments. The following performance specifications for load cells, transducers, etc., are based on vendor specifications.

A certified calibration weight comes with each system. The zero torque and gain are adjusted by the operator as part of the calibration procedure. Calibration takes a couple of minutes and may be performed as often as desired. Customers may use calibrated weights to simulate a specific load to check for torque accuracy.



MAGNETIC BRAKE SYSTEMS

## 2. SPEED vs. TORQUE CURVE – MB-3.75 BRAKE





### 3. MOTOR TORQUE & SPEED

Systems that measure motor torque allow for three options for the load cell arm length: 2-inches, 3-inches, & 4-inches. Possible speed/torque combinations based on different pulley ratios:

#### 3.1 Pulley Ratio's (English Units)

Motor_Spd (RPM)	Motor Torque (in-oz.)	Power (HP)	Pulley Ratio (motor/brake)	Brake Torque (in-oz.)	Brake_Spd (RPM)	Time (sec)
0	720	0	4:1	180	0	cont.
1,000	1,100	1.09	4:1	275	4,000	cont.
1,500	840	1.25	4:1	210	6,000	cont.
1,500	1,200	1.78	4:1	300	6,000	30
3,000	560	1.65	4:1	140	12,000	cont.
3,000	760	2.26	4:1	190	12,000	30

Table 1: Speed, Torque & Power (English Units) 1:4 ratio

Motor_Spd (RPM)	Motor Torque (in-oz.)	Power (HP)	Pulley Ratio (motor/brake)	Brake Torque (in-oz.)	Brake_Spd (RPM)	Time (sec)
0	180	0	1:1	180	0	cont.
4,000	275	1.09	1:1	275	4,000	cont.
6,000	210	1.25	1:1	210	6,000	cont.
6,000	300	1.78	1:1	300	6,000	30
12,000	140	1.65	1:1	140	12,000	cont.
12,000	190	2.26	1:1	190	12,000	30

Table 2: Speed, Torque & Power (English Units) 1:1 ratio

Motor_Spd (RPM)	Motor Torque (in-oz.)	Power (HP)	Pulley Ratio (motor/brake)	Brake Torque (in-oz.)	Brake_Spd (RPM)	Time (sec)
0	45	0	1:4	180	0	cont.
17,000*	68.75	1.14	1:4	275	4,250	cont.

Table 3: Speed, Torque & Power (English Units) 4:1 ratio

The table is based on the performance graph for the MB-3.75 Brake, shown in Section 2.

\* Maximum speed is limited to the physical speed limits of the pulleys and belt.

\*\* See Table 7 for load cell specifications based on the number shown.

\*\*\* Torque required to overcome the air drag of brake at speed; does not account for bearing friction or belt losses.



### 3.2 Pulley Ratio's (SI Units)

Motor_Spd (RPM)	Motor Torque (Ncm)	Power (watts)	Pulley Ratio (motor/brake)	Brake Torque (Ncm)	Brake_Spd (RPM)	Time (sec)
0	102	0	4:1	25.4	0	cont.
2,125	169	373	4:1	42.4	8,500	cont.
3,750	189	746	4:1	47.3	15,000	cont.

Table 4: Speed, Torque & Power (SI Units) 4:1 Pulley Ratio

Motor_Spd (RPM)	Motor Torque (Ncm)	Power (watts)	Pulley Ratio (motor/brake)	Brake Torque (Ncm)	Brake_Spd (RPM)	Time (sec)
0	25.4	0	1:1	25.4	0	cont.
8,500	42.4	373	1:1	42.4	8,500	cont.
15,000*	47.3	746	1:1	47.3	15,000	cont.

Table 5: Speed, Torque & Power (SI Units) 1:1 Pulley Ratio

Motor_Spd (RPM)	Motor Torque (Ncm)	Power (watts)	Pulley Ratio (motor/brake)	Brake Torque (Ncm)	Brake_Spd (RPM)	Time (sec)
0	6.36	0	1:4	25.4	0	cont.
25,000*	8.74	224	1:4.28	35.0	5,833	cont.
25,000*	9.71	224	1:4	38.8	6,250	cont.

Table 6: Speed, Torque & Power (SI Units) 1:4 Pulley Ratio

The table is based on the performance graph for the MB-3.75 Brake, shown in Section 2.

\* Maximum speed is limited to the physical speed limits of the pulleys and belt.

\*\* See Table 7 for load cell specifications based on the number shown.

\*\*\* Torque required to overcome the air drag of brake at speed; does not account for bearing friction or belt losses.





### 3.3 Load Cell Sizes

The load cell(s) for the system may be specified by their load rating (column 2 or 3). Sections 5.1 & 5.2 has the data for the listed load cells.

Load Cell Ref. #	Load Rating (lbs.)	Load Rating (Kg.)	Arm (inches [cm])	Max Torque (in-lbs.)	Max Torque (in-oz.)	Max Torque (Ncm)
1	2.2	1	2 [5.08]	4.4	70.5	50
1	2.2	1	3 [7.62]	6.6	106	75
1	2.2	1	4 [10.16]	8.8	141	100
2	4.4	2	2 [5.08]	8.8	141	100
2	4.4	2	3 [7.62]	13.2	212	150
2	4.4	2	4 [10.16]	17.6	282	200
3	11	5	2 [5.08]	22	353	250
3	11	5	3 [7.62]	33	529	375
3	11	5	4 [10.16]	44	706	500
4	13	6	2 [5.08]	26.5	423	300
4	13	6	3 [7.62]	39.7	635	450
4	13	6	4 [10.16]	52.9	847	600

Table 7: Load Cell Reference

The following sections, 4 & 5, are the specifications for the different types of load cells.

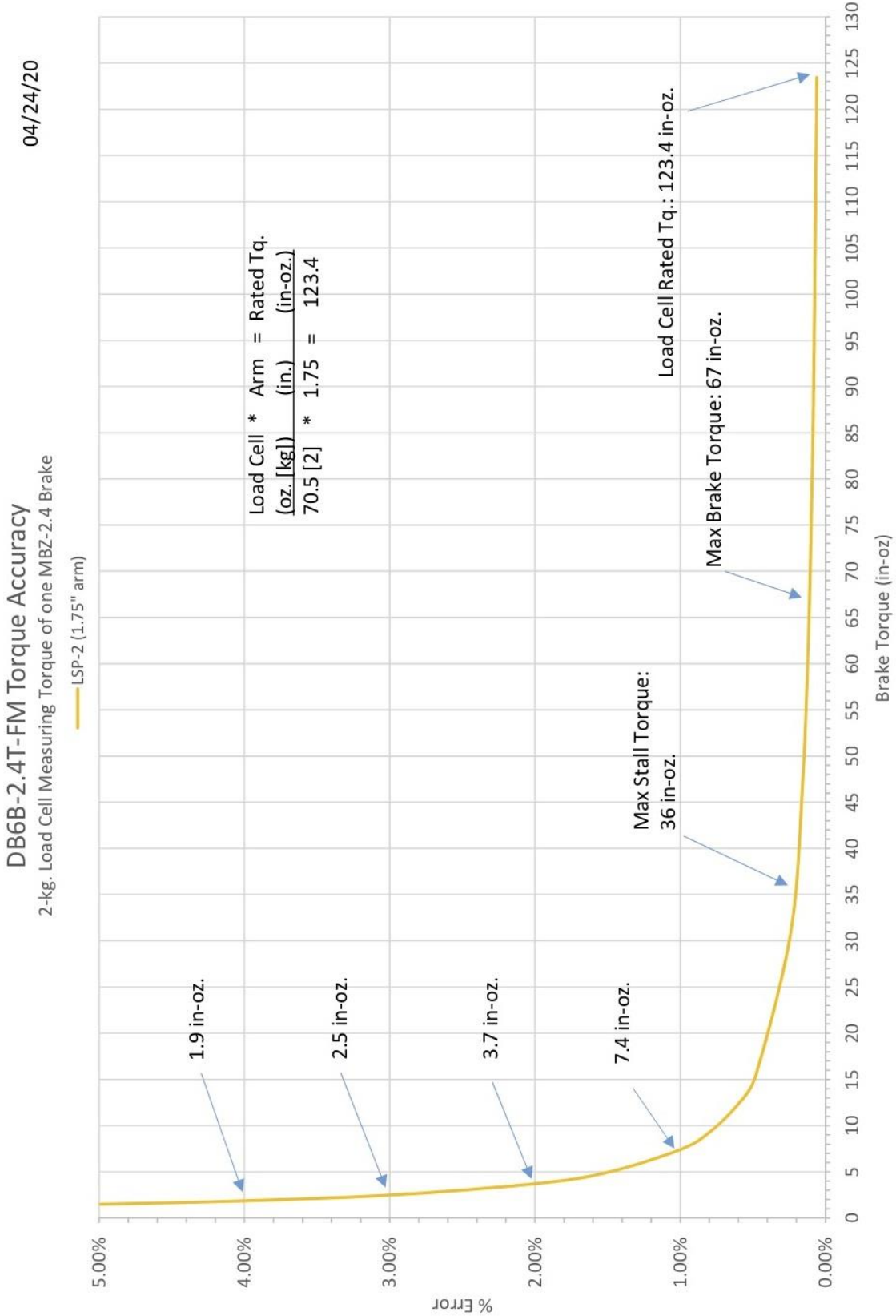
#### 4. LOAD CELLS (DB6B-3.75-FM, MEASURING BRAKE TORQUE)

Load Cell Load Rating.....	70.5 oz. (2 kg)
Arm Length .....	1.75 inches (4.445 cm)
Rated torque of Load Cell .....	123.4 in-oz. (87.2 Ncm)
Safe Overload torque of Load Cell .....	185.2 in-oz. (130.8 Ncm)
Max Brake Torque.....	67 in-oz. (47.3 Ncm)
Max Torque to Load Cell .....	67 in-oz. (47.3 Ncm)
Non-Linearity.....	0.02% of Rated Output (R.O.)
Hysteresis.....	0.02% of R.O.
Non-Repeatability.....	0.02% of R.O.
Zero Balance.....	±5% of R.O.
Compensated Temperature Range .....	14°F to 104°F
Safe Temperature Range.....	14°F to 140°F
Temperature Effect on Output.....	0.002% of Load/°F
Temperature Effect on Zero.....	0.002% of Load/°F
Safe Overload .....	150% of R.O.*

\* Hard stops are in place to help prevent damage from over-load.

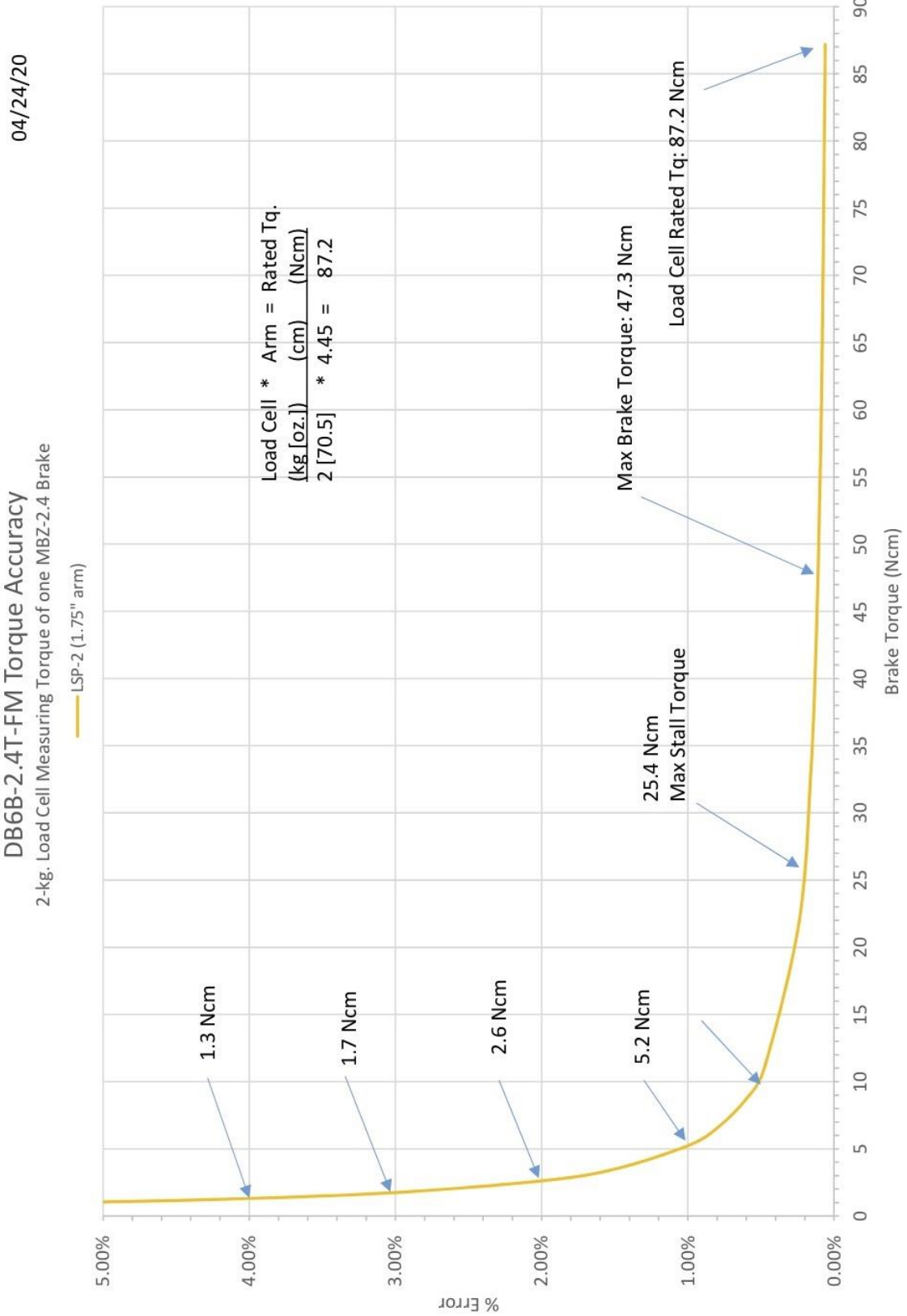


### 4.1 Brake Load Cell Accuracy Plot (in-oz.) – Linear





### 4.2 Brake Load Cell Accuracy Plot (N-cm) – Linear





## 5. LOAD CELLS (DB6M-3.75T-FM, MEASURING MOTOR TORQUE):

For section 5.1 & 5.2, reference Table 7, in section 3.3 Load Cell Sizes.

### 5.1 Load Cell #'s 1 through 3.

Load Cell Load Rating .....	35.3 oz. (1 kg)
Safe Overload.....	150% of R.O.*
Non-Linearity .....	0.02% of Rated Output (R.O.)
Hysteresis.....	0.02% of R.O.
Non-Repeatability.....	0.02% of R.O.
Zero Balance .....	±5% of R.O.
Compensated Temperature Range.....	14°F to 104°F
Safe Temperature Range .....	14°F to 140°F
Temperature Effect on Output .....	0.002% of Load/°F
Temperature Effect on Zero.....	0.002% of Load/°F

### 5.2 Load Cell #4.

Load Cell Load Rating .....	212 oz. (6 kg)
Safe Overload.....	150% of R.O.*
Non-Linearity .....	0.02% of Rated Output (R.O.)
Hysteresis.....	0.02% of R.O.
Non-Repeatability .....	0.02% of R.O.
Zero Balance .....	±1% mV/V
Compensated Temperature Range.....	14°F to 104°F
Safe Temperature Range .....	14°F to 140°F
Temperature Effect on Output .....	0.002% of Load/°F
Temperature Effect on Zero.....	0.002% of Load/°F

\* Hard stops are in place to help prevent damage from over-load.

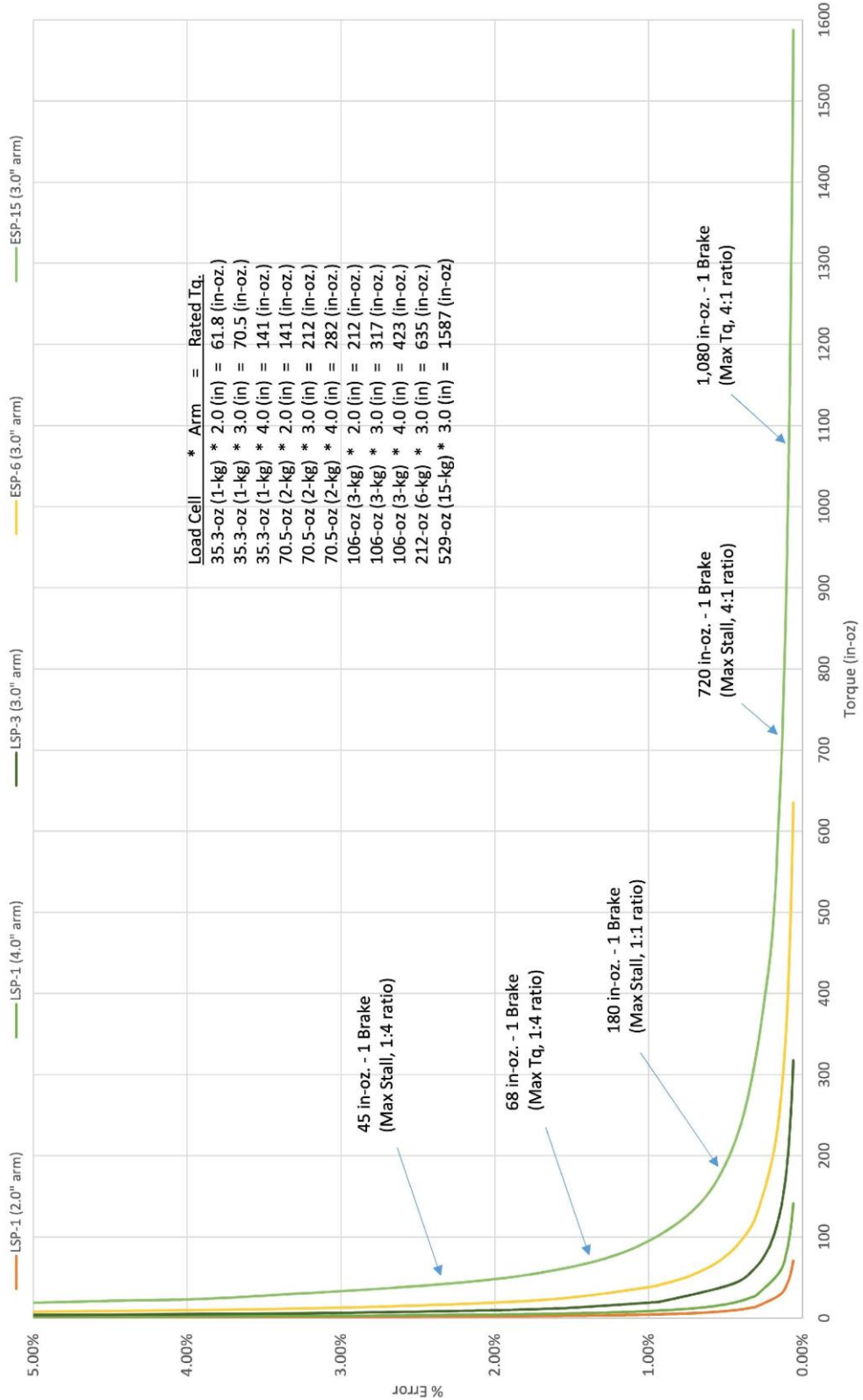
The Torque Accuracy plots to follow show the percentage error as a function of measured torque. These plots show the range that the load cell selected will accurately measure. Plots are shown on a linear scale and, for clarity, on a logarithmic scale. The maximum torque to the motor is based on the pulley ratio selected for belt coupled systems. The accuracy plots are based on published data from the load cell vendor.



### 5.3 Load Cell Accuracy Plot (in-oz.) - Linear

DB6M-3.75 Torque Accuracy  
 Various, Load Cells measuring Motor Torque w/ variable arm

9/5/19



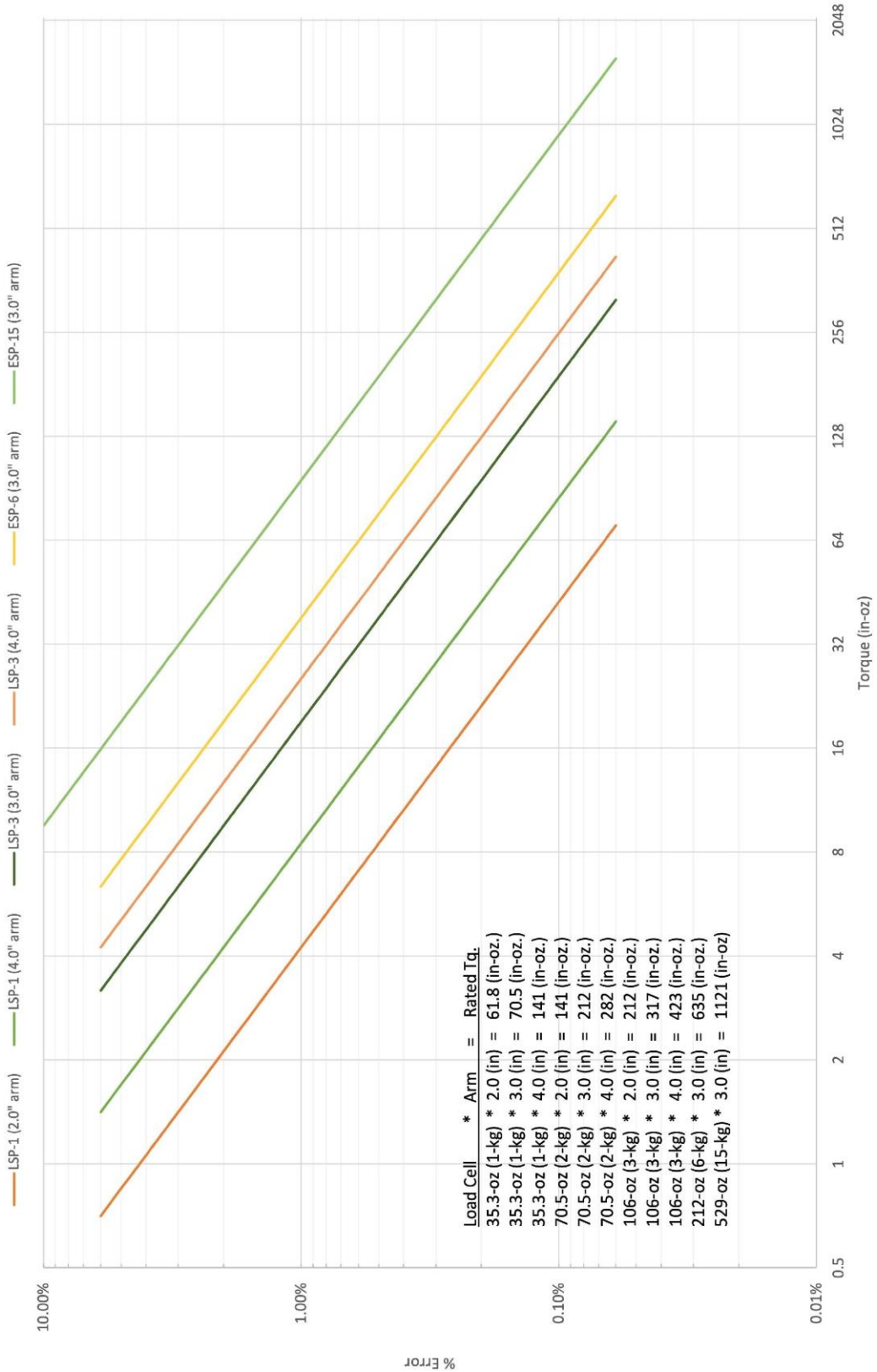


### 5.4 Load Cell Accuracy Plot (in-oz.) – Logarithmic

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#### DB6M-3.75 Torque Accuracy

Various Load Cells measuring Motor Torque w/ variable arm



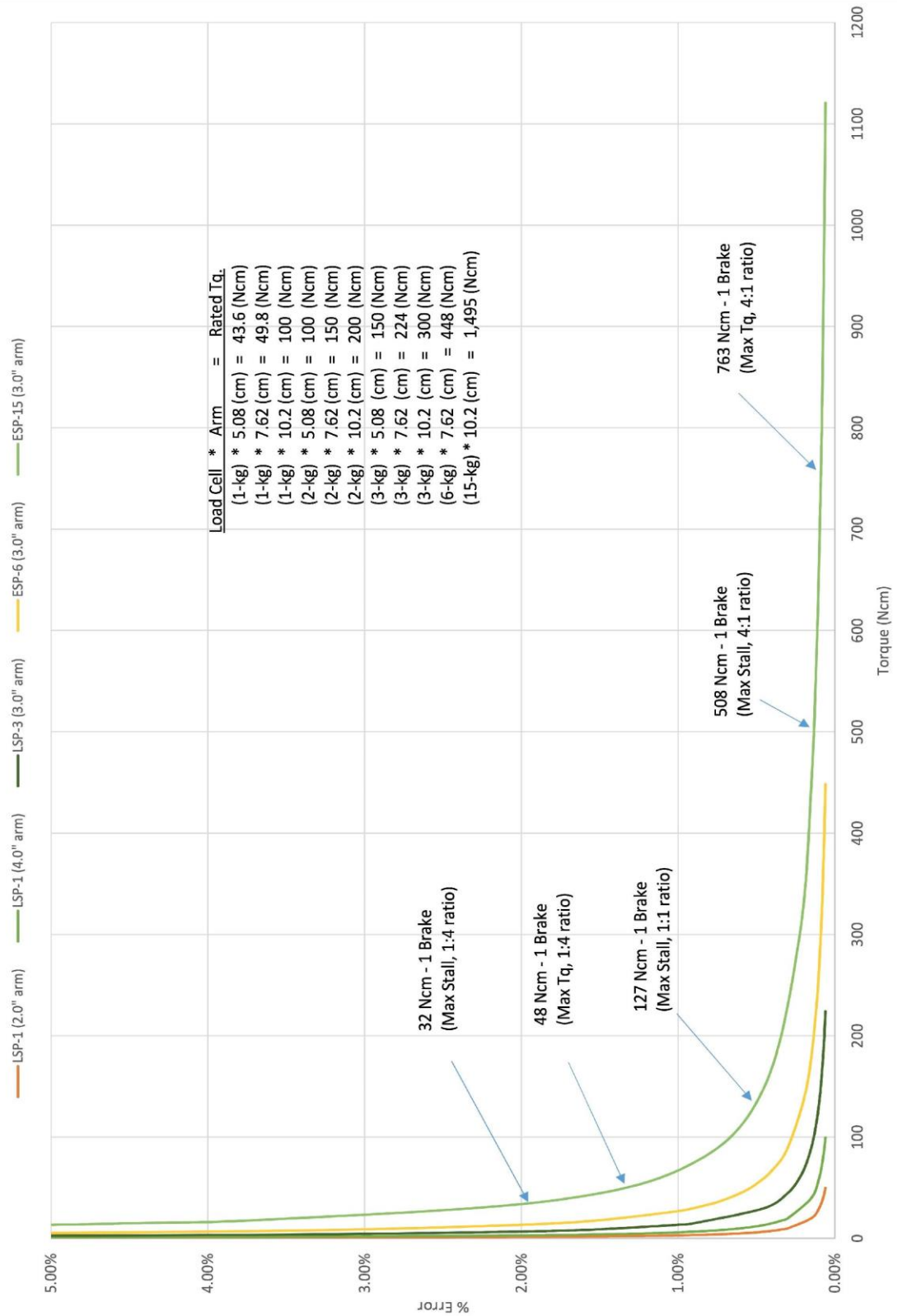


### 5.5 Load Cell Accuracy Plot (Ncm) – Linear

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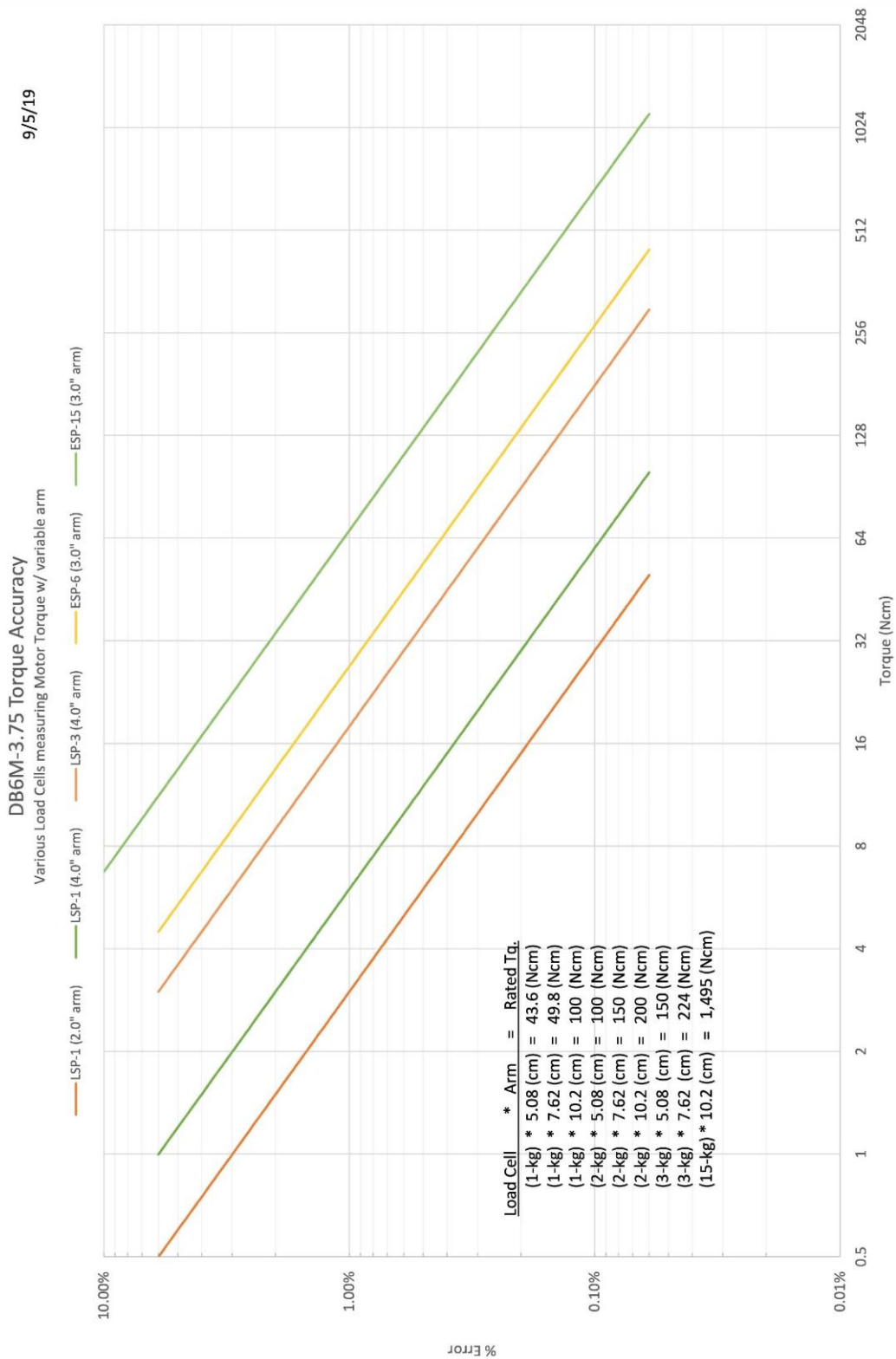
#### DB6M-3.75 Torque Accuracy

Various Load Cells measuring Motor Torque w/ variable arm





## 5.6 Load Cell Accuracy Plot (Ncm.) – Logarithmic







## 6. SPEED

A standard brake has five magnets (alternative quantity are optional) which trigger a hall effect sensor. The speed is averaged over one revolution of the brake. A 48-MHZ clock is used to measure the time between magnets.

Parameter	Conditions	Min.	Typ.	Max.	Units
Clock Error	~25°C		±30		PPM
	-10°C to 60°C		±50		PPM
	-40°C to 85°C		±100		PPM
Brake Speed	5 magnets	12		180*	KPM
	30 magnets	2		30*	KPM

\* Theoretical speed; actual maximum speed is limited to the speed of the brake.

## 7. SAMPLING

Sampling is the frequency of measuring and recording data; this rate is adjustable by the operator.

Parameter	Conditions	Min.	Typ.	Max.	Units
Sampling Rate	2.3 GHz Proc.	20	50	-	ms

i.e. 50 ms = 20 samples (or readings) per second.

## 8. LAPTOP COMPUTER

Parameter	Conditions	Min.	Typ.	Max.	Units
Processor		2.3	GHz		
Memory		8	GB		
Display	LED LCD		15.6		inches

## 9. POWER REQUIREMENTS

The MBS Dynamometer requires two 115 or 230 VAC power outlets: one for the laptop computer and one for the controller. The brakes in the dynamometer structure receive power from the controller. The AC power supplies the power supplies and cooling fan in the controller; everything else is 24 VDC (or less) in the system.

Item	Voltage	Type	Current (amps)	Freq. (Hz)	# Plugs
Controller	115/230	VAC	1.1/0.6	50/60	1
Laptop	110-240	VAC	1.2	50/60	1
Dynamometer	24	VDC	6.0	-	none



## 10. DC VOLTAGE TRANSDUCERS

### 10.1 Input

Range.....	0 VDC to: 1, 5, 10, 50, 150, 200 up to 600 VDC
Overload.....	2x voltage range selected
Frequency Range.....	DC only

### 10.2 Output

Basic Accuracy.....	1.0%
Linearity.....	10% to 100% F.S.
Calibration.....	True RMS sensing
Thermal Drift.....	500 PPM/°C
Response Time.....	250 ms

### 10.3 Environmental and Physical Characteristics

Operating Temperature.....	0°C to +50°C
Insulation Category.....	CAT II
Vibration Tested to .....	IEC 60068-2-6, 1995
Pollution Degree.....	2
Altitude.....	2000-meter max.
Insulation Voltage.....	2500 VDC
MTBF.....	Greater than 100K hours
Relative Humidity.....	5% to 95%, non-condensing
Weight.....	0.5 lbs.

## 11. AC VOLTAGE TRANSDUCERS – SINGLE PHASE

### 11.1 Input

Range.....	0 VAC to: 50, 150, 250, 500, 600 VAC
Overload.....	2x voltage range selected
Frequency Range.....	20 Hz to 5 kHz

### 11.2 Output

Basic Accuracy.....	0.5%
Linearity.....	10% to 100% F.S.
Calibration.....	True RMS sensing
Thermal Drift.....	500 PPM/°C
Response Time.....	250 ms

### 11.3 Environmental and Physical Characteristics

Operating Temperature.....	0°C to +60°C
Insulation Category.....	CAT II
Vibration Tested to .....	IEC 60068-2-6, 1995
Pollution Degree.....	2
Altitude.....	2000-meter max.
Insulation Voltage.....	2500 VDC
MTBF.....	Greater than 100K hours
Relative Humidity.....	5% to 95%, non-condensing
Weight.....	0.5 lbs.



## 12. DC CURRENT TRANSDUCERS (Split Core)

### 12.1 Input

Range.....0 ADC to: 2, 5, 10, 20, 30, 50, 75, 100, 150 up to 600 ADC  
 Overload.....4x current range selected  
 Frequency Range..... DC only

### 12.2 Output

Basic Accuracy..... 1.0%  
 Linearity..... 10% to 100% F.S.  
 Thermal Drift..... 500 PPM/°C  
 Response Time..... 250 ms

### 12.3 Environmental and Physical Characteristics

Operating Temperature..... 0°C to +50°C  
 Insulation Category..... CAT II  
 Vibration Tested to ..... IEC 60068-2-6, 1995  
 Pollution Degree..... 2  
 Altitude..... 2000-meter max.  
 Insulation Voltage..... 2500 VDC  
 MTBF..... Greater than 100K hours  
 Relative Humidity..... 5% to 95%, non-condensing  
 Weight..... 0.5 lbs.

## 13. AC CURRENT TRANSDUCERS – SINGLE PHASE (Split Core)

### 13.1 Input

Range..... 0 AAC to: 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150 up to 600 AAC  
 Overload..... 4x current range selected  
 Frequency Range..... 20 Hz to 5 kHz

### 13.2 Output

Basic Accuracy..... 0.5%  
 Linearity..... 10% to 100% F.S.  
 Calibration..... True RMS sensing  
 Thermal Drift..... 500 PPM/°C  
 Response Time..... 250 ms

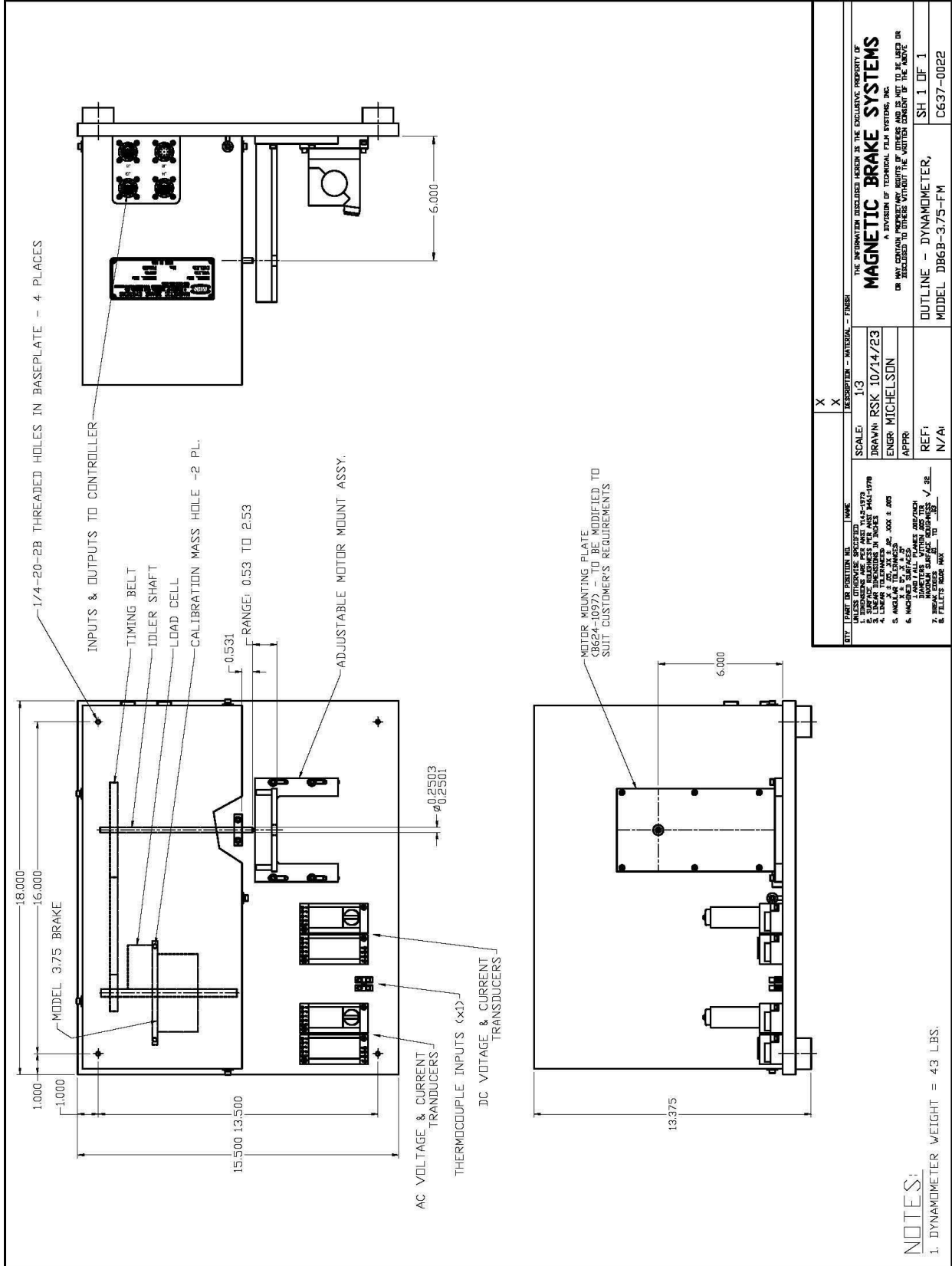
### 13.3 Environmental and Physical Characteristics

Operating Temperature..... 0°C to +60°C  
 Insulation Category..... CAT II  
 Vibration Tested to ..... IEC 60068-2-6, 1995  
 Pollution Degree..... 2  
 Altitude..... 2000-meter max.  
 Insulation Voltage..... 2500 VDC  
 MTBF..... Greater than 100K hours  
 Relative Humidity..... 5% to 95%, non-condensing  
 Weight..... 0.5 lbs.



MAGNETIC BRAKE SYSTEMS

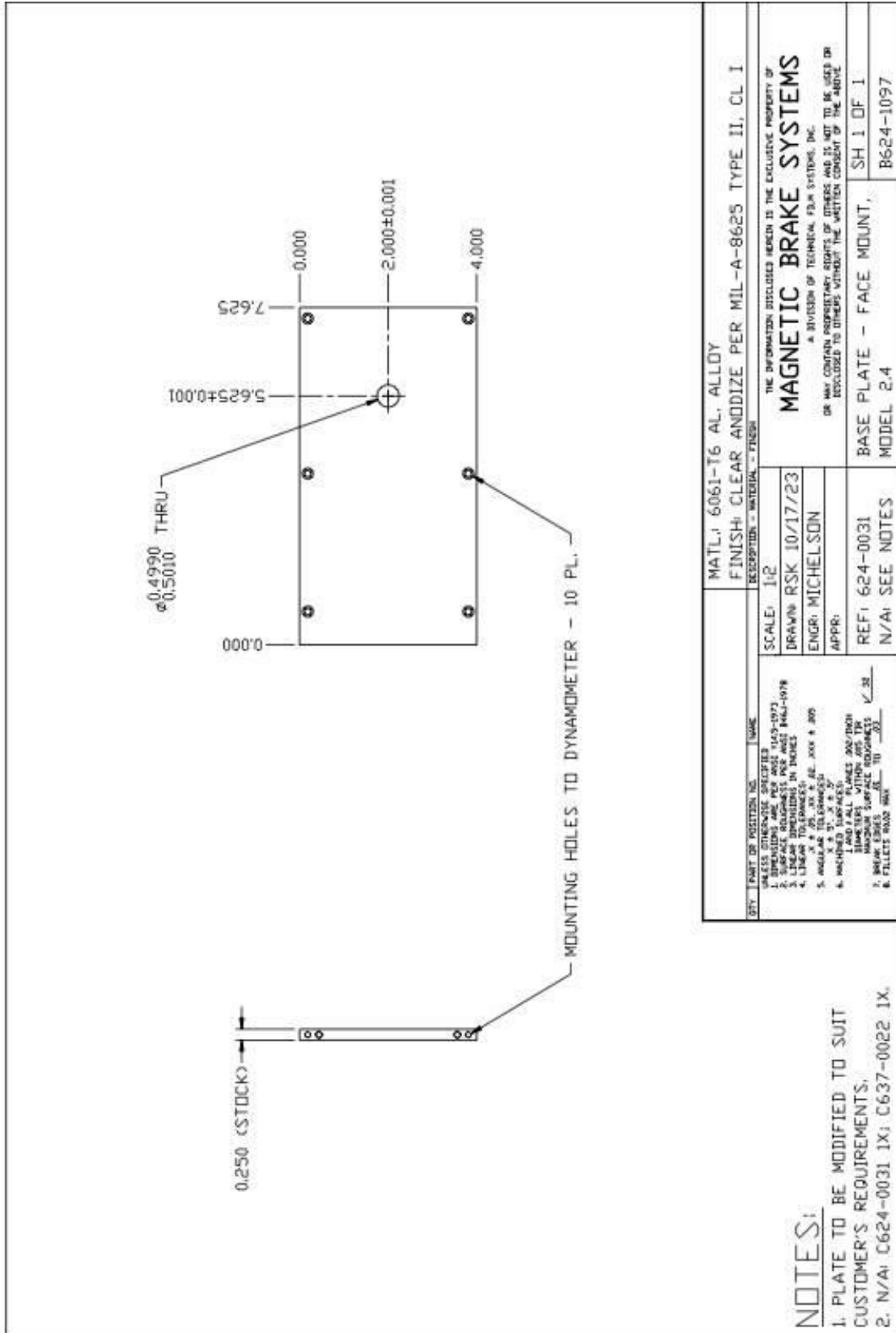
# 14. DYNAMOMETER LAYOUT – LOAD CELL ON BRAKE





MAGNETIC BRAKE SYSTEMS

15. MOTOR MOUNTING PLATE – FACE MOUNT (DB6B)



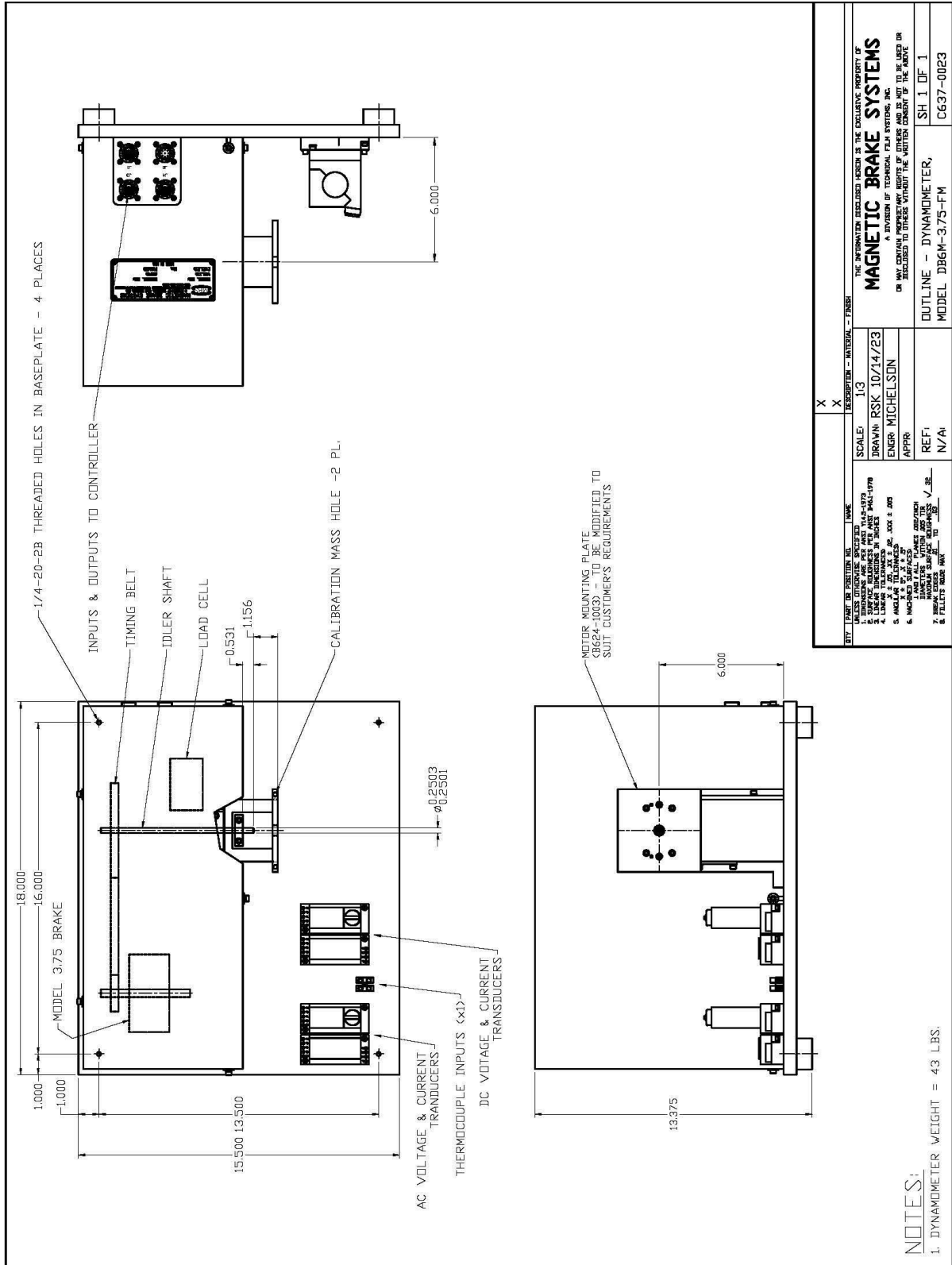
MATL: 6061-T6 AL, ALLOY FINISH: CLEAR ANODIZE PER MIL-A-8625 TYPE II, CL I DESCRIPTION: MOUNTING PLATE - FACE MOUNT		THE INFORMATION DISCLOSED HEREIN IS THE EXCLUSIVE PROPERTY OF <b>MAGNETIC BRAKE SYSTEMS</b> A DIVISION OF TECHNICAL FILM SYSTEMS, INC. OR MAY CONTAIN PROPRIETARY RIGHTS OF OTHERS AND IS NOT TO BE USED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE ABOVE.	
QTY: 1000 PART OR DESIGN NO: 624-0031 NAME: MOUNTING PLATE - FACE MOUNT	SCALE: 1:1 DRAWN: RSK 10/17/23 ENGR: MICHELSON APPR:	1. DIMENSIONS ARE PER ASST 1145-1973 2. SURFACE ROUGHNESS PER ASST 1441-1978 3. LINEAR DIMENSIONS IN INCHES 4. ANGULAR DIMENSIONS IN DEGREES 5. UNLESS OTHERWISE SPECIFIED 6. UNFINISHED SURFACES	SH 1 OF 1 B624-1097
REF: 624-0031 N/A: SEE NOTES		BASE PLATE - FACE MOUNT MODEL 2.4	

- NOTES:**
1. PLATE TO BE MODIFIED TO SUIT CUSTOMER'S REQUIREMENTS.
  2. N/A: C624-0031 1X; C637-0022 1X.



MAGNETIC BRAKE SYSTEMS

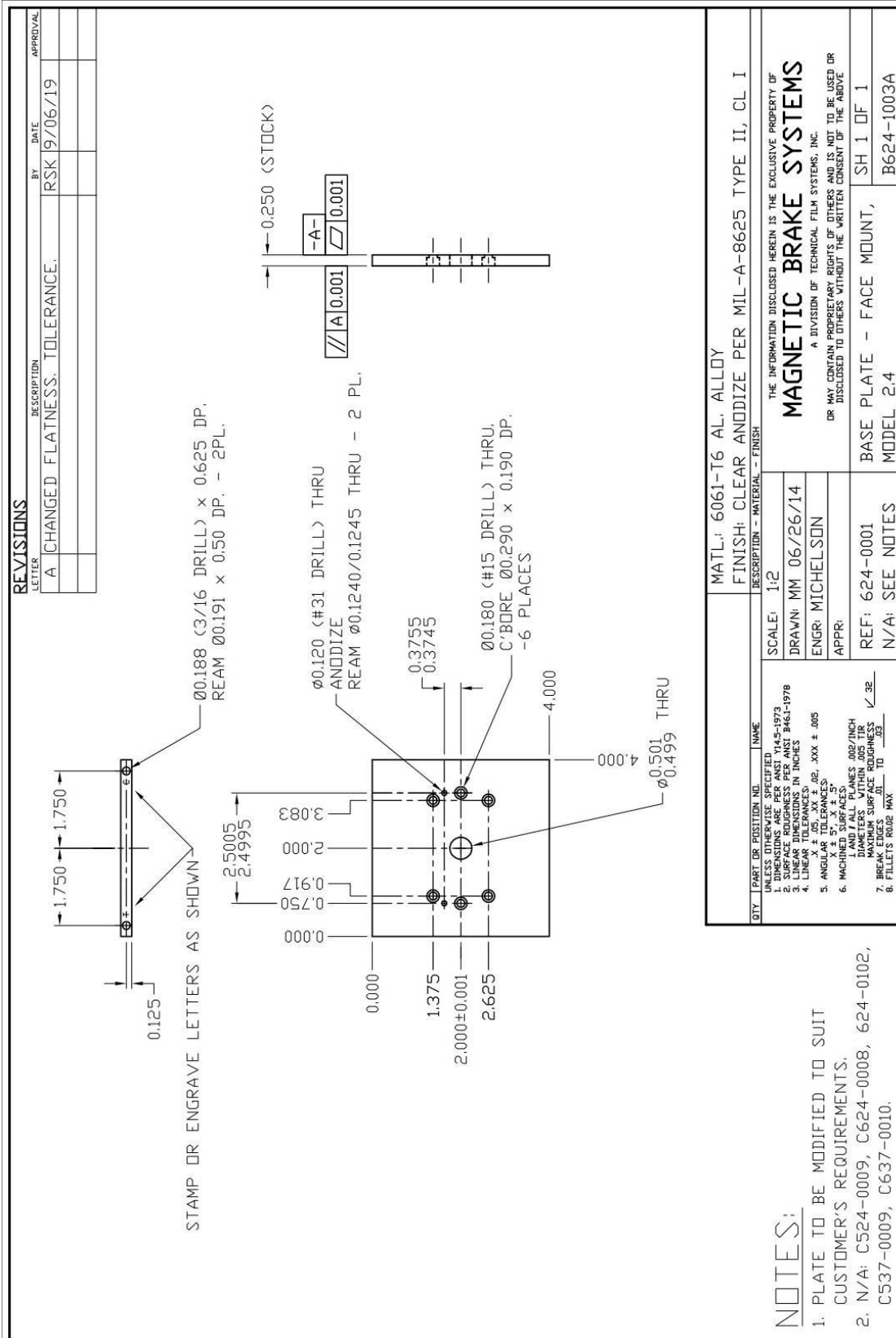
# 16. DYNAMOMETER LAYOUT – L.C. ON MOTOR (OPTION 1 FACE MOUNT)





MAGNETIC BRAKE SYSTEMS

# 17. MOTOR MOUNTING PLATE – FACE MOUNT (DB6M)



### NOTES:

1. PLATE TO BE MODIFIED TO SUIT CUSTOMER'S REQUIREMENTS.
2. N/A: C524-0009, C624-0008, 624-0102, C537-0009, C637-0010.

QTY	PART OR POSITION NO.	NAME	DESCRIPTION - MATERIAL - FINISH
		MATL: 6061-T6 AL. ALLOY FINISH: CLEAR ANODIZE PER MIL-A-8625 TYPE II, CL I	
	SCALE: 1:2		
	DRAWN: MM 06/26/14		
	ENGR: MICHELSON		
	APPR:		
	REF: 624-0001		
	N/A: SEE NOTES		
		BASE PLATE - FACE MOUNT, MODEL 2.4	
		SH 1 OF 1	
		B624-1003A	

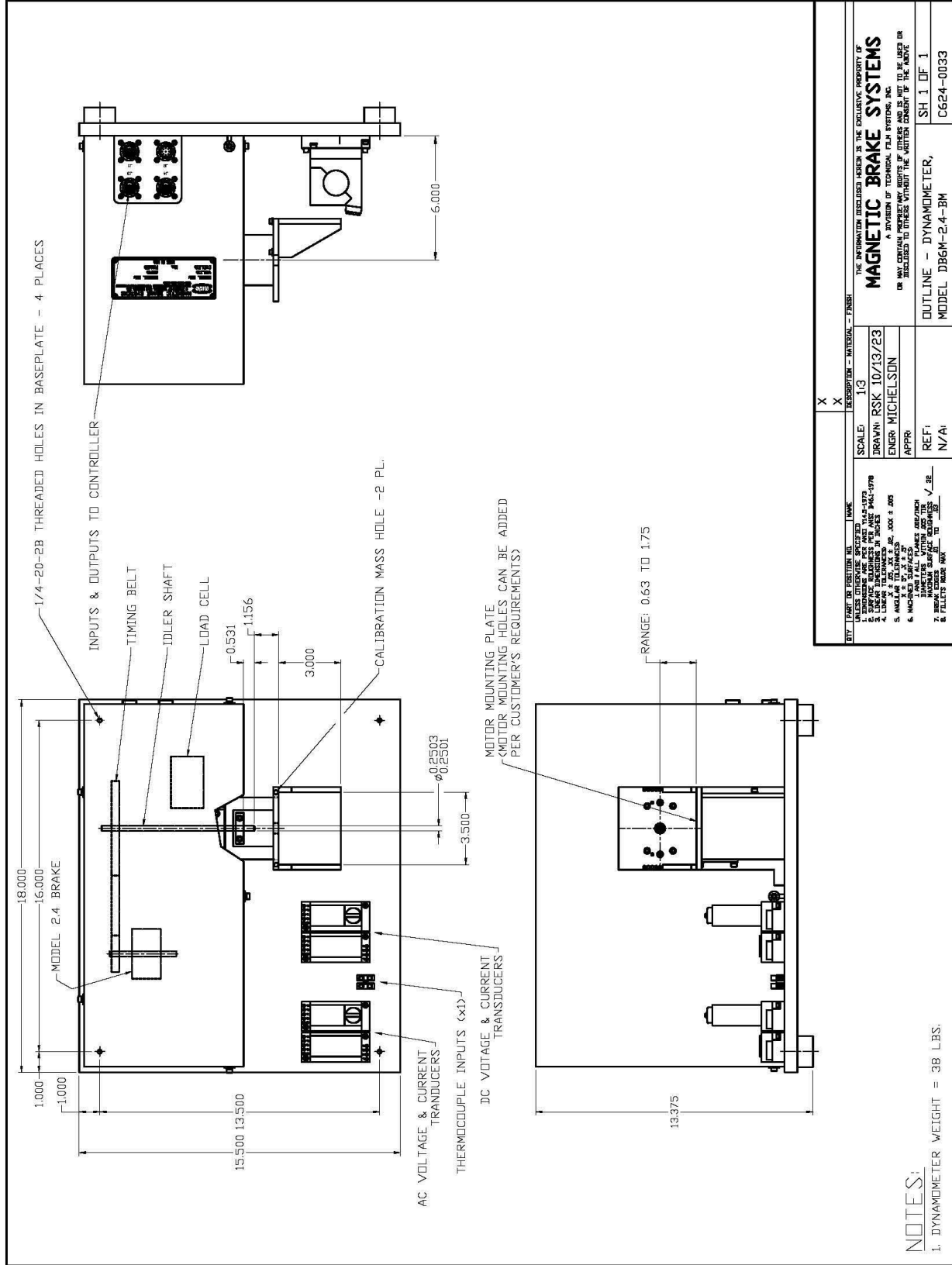
UNLESS OTHERWISE SPECIFIED  
1. DIMENSIONS ARE PER ANSI Y14.5-1973  
2. SURFACE ROUGHNESS PER ANSI B461-1978  
3. ANGLES UNLESS OTHERWISE SPECIFIED  
4. LINEAR TOLERANCES:  
X ± .05, .XX ± .02, .XXX ± .005  
X ± .01, .XX ± .005, .XXX ± .001  
5. ANGLED SURFACES:  
X ± .01, .XX ± .005, .XXX ± .001  
6. MACHINED SURFACES:  
LAND / ALL PLANES .002 / INCH  
MAXIMUM SURFACE ROUGHNESS ✓ 32  
7. BREAK EDGES .01 TO .03  
8. FILLETS R0.02 MAX

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MAGNETIC BRAKE SYSTEMS

# 18. DYNAMOMETER LAYOUT – L. C. ON MOTOR (OPTION 2 BASE MOUNT)



CITY		STATE		COUNTRY	
X		X		X	
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SCALE: 1:3		DRAWN: RSK 10/13/23		DATE: 10/13/23	
ENGINEER: MICHELSON		APPROVED:		REF: N/A	
MODEL: DB6M-2.4-BM		OUTLINE: DYNAMOMETER,		SH 1 OF 1	
C624-0033					

NOTES:  
1. DYNAMOMETER WEIGHT = 38 LBS.





MAGNETIC BRAKE SYSTEMS

# 19. MOTOR MOUNTING PLATE – BASE MOUNT (DB6M)

**REVISIONS**

LETTER	DESCRIPTION	BY	DATE	APPROVAL
A	X	X	XX/XX/XX	

3/16" INCREMENTS

1/8" DOWEL PINS - 2PL.

HEIGHT ADJUSTABLE BASE MOUNT

2	624-1031	GUSSET - 2.4	X
1	624-1030	PLATE - BASE, MOTOR, 2.4	X
1	624-1029	BASE PLATE-FACE MOUNT, 2.4	X

SCALE: 1:1.5  
 DRAWN: RSK 9/06/19  
 ENGR: MICHELSDIN  
 APPR: N/A  
 REF: 624-0016

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SH 1 DF 1  
 C624-0125

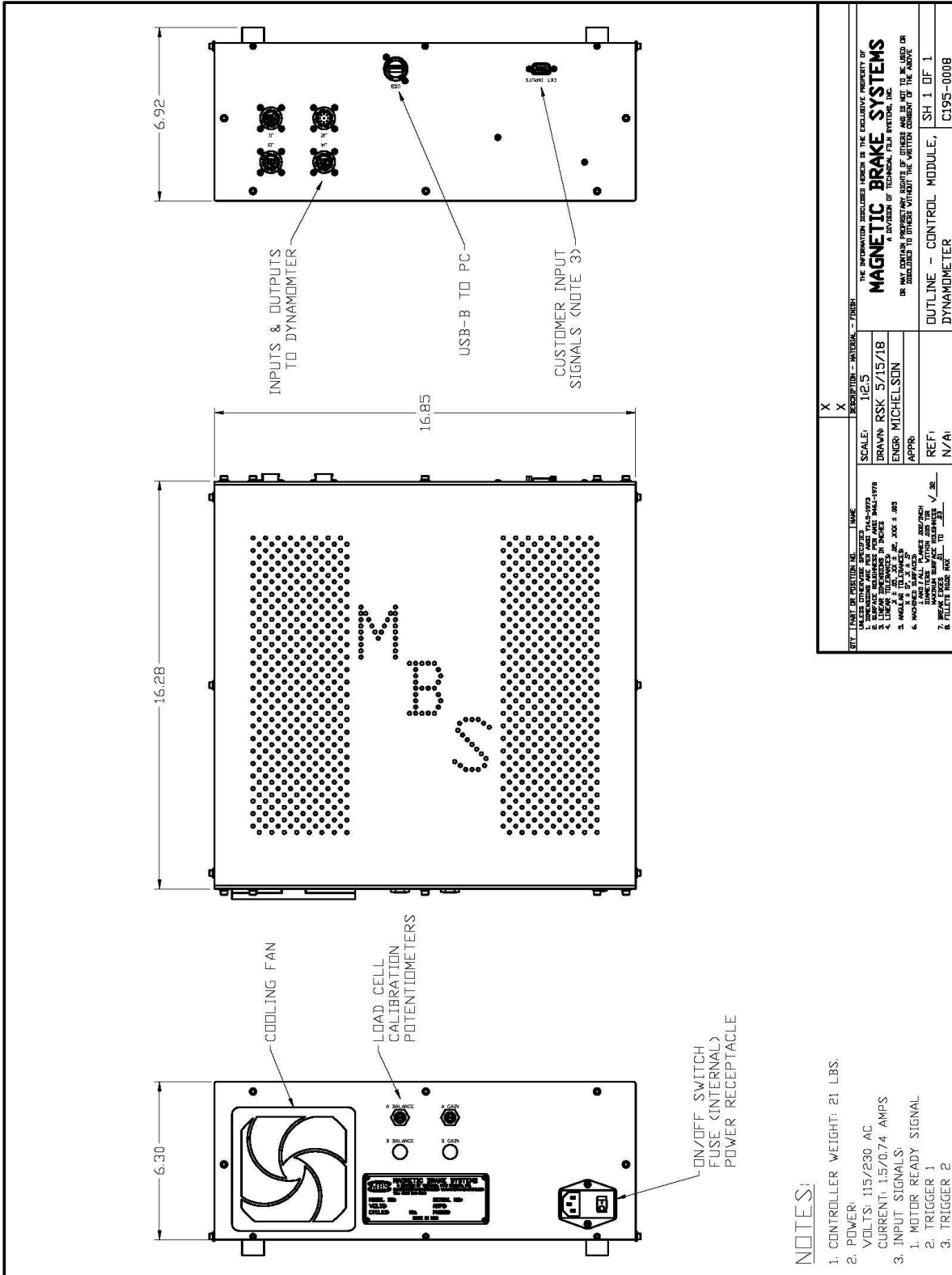
**NOTES:**

- REFER TO DRAWING 624-1003A FOR 624-1029 MOUNTING HOLE DIMENSIONS.



MAGNETIC BRAKE SYSTEMS

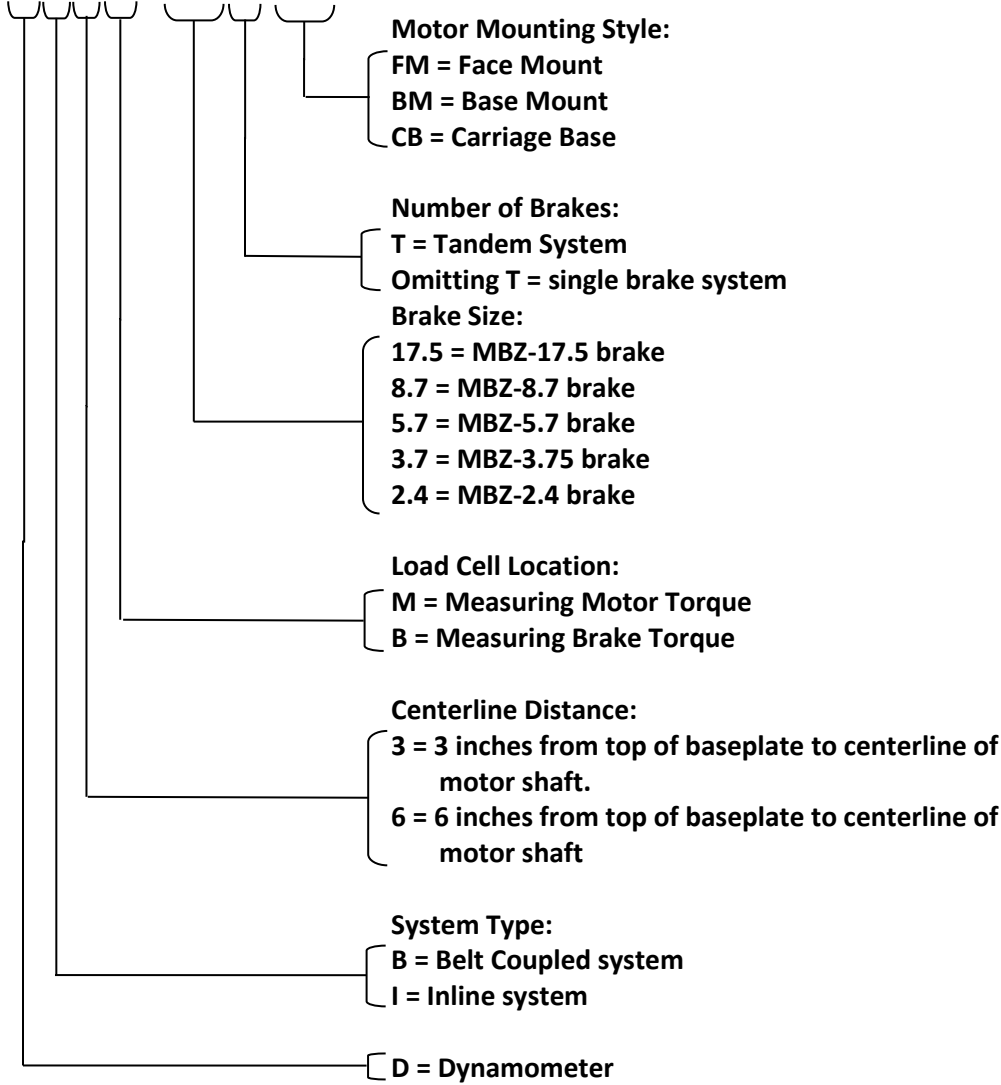
## 20. DYNAMOMETER CONTROLLER



REF. TABLE FOR SPECIFICATION NO. 1125 UNLESS OTHERWISE SPECIFIED 1. DIMENSIONS ARE IN INCHES 2. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS 3. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED 4. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO DIMENSION LINES 5. DIMENSIONS ARE TO DIMENSION LINES UNLESS OTHERWISE SPECIFIED 6. DIMENSIONS ARE TO DIMENSION LINES UNLESS OTHERWISE SPECIFIED 7. DIMENSIONS ARE TO DIMENSION LINES UNLESS OTHERWISE SPECIFIED 8. DIMENSIONS ARE TO DIMENSION LINES UNLESS OTHERWISE SPECIFIED		X X X
SCALE: 1:2.5 DRAWN: RSK 5/15/18 ENGINEER: MITCHELSON APPR:		THE INFORMATION DISCLOSED HEREIN IS THE EXCLUSIVE PROPERTY OF <b>MAGNETIC BRAKE SYSTEMS</b> A DIVISION OF TECHNICAL DATA SYSTEMS, INC. OR MAY CONSTITUTE PROPRIETARY RIGHTS OF OTHERS AND IS NOT TO BE USED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF THE ABOVE
REF1: N/A REF2: N/A		OUTLINE - CONTROL MODULE, DYNAMOMETER SH 1 OF 1 C19S-0008

## 21. NOMENCLATURE OF DYNAMOMETER MODEL NUMBER

### DB6M-8.7T-FM



The load cell(s) size(s) and type(s) of voltage & Current transducers are to be specified individually.