

Brake Motors

Model No: 182TTDBD6341

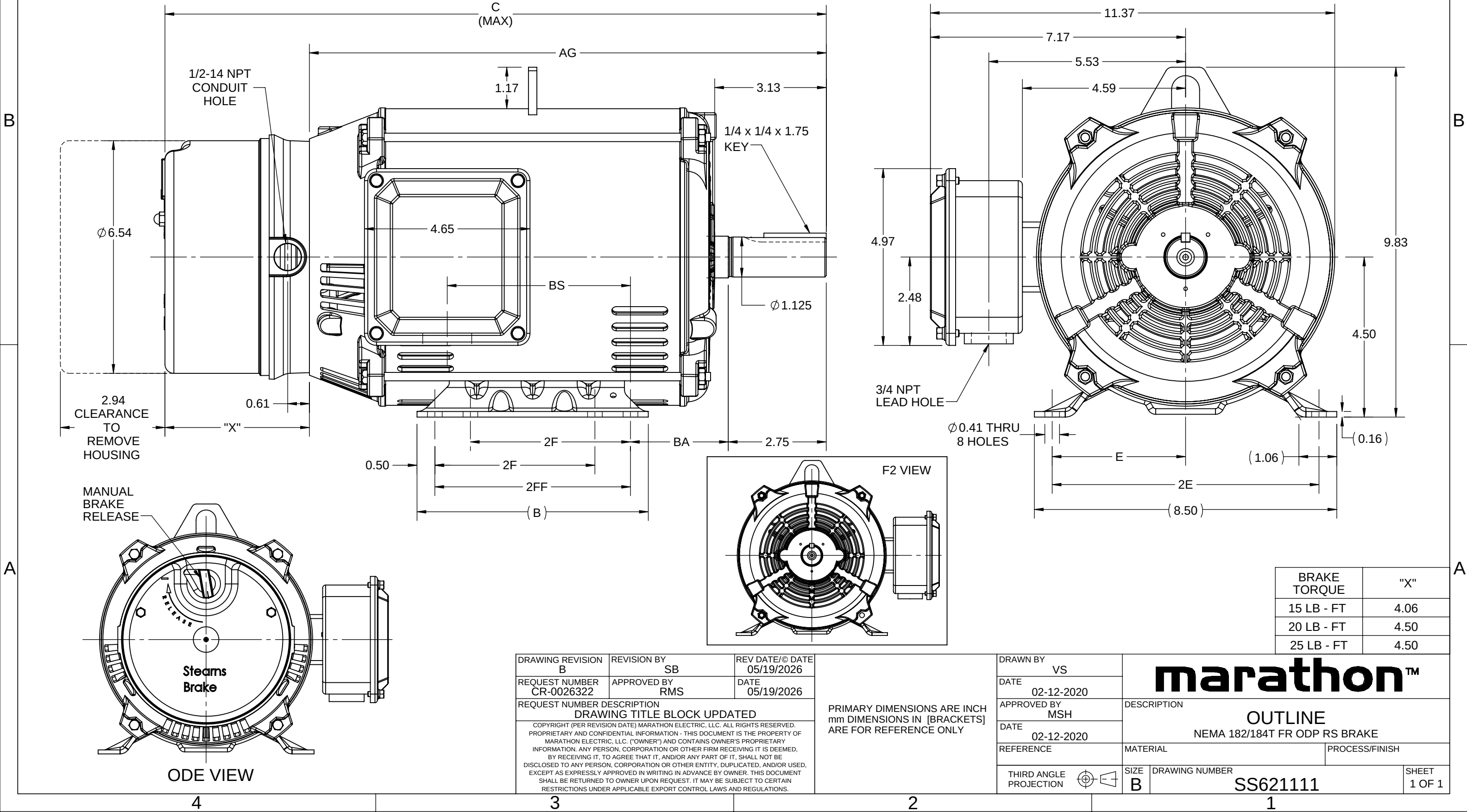
Catalog No: K566

Brake Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182T Frame, DP

Product Information Packet: Model No: 182TTDBD6341, Catalog No: K566 Brake Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182T Frame, DP

Nameplate Specifications			
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1770 & 1475 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	182T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	89.5 & 88.5 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	8/4 & 6.8/3.4 A
Power Factor	78.5	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6307	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	1
Technical Specifications			
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	4.12 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 Capable		
Drawings			
Connection Drawing	EE7308	Outline Drawing	SS621111-100

4				3				2			1
DASH NO.	B	C	E	2E	2F	2FF	AG	BA	BS	MOUNTING	FRAME
100	6.50	18.03	3.75	7.50	4.50	5.50	13.53	2.75	4.15	F1 OR F2	182T
200		19.03					14.53		5.15		184T



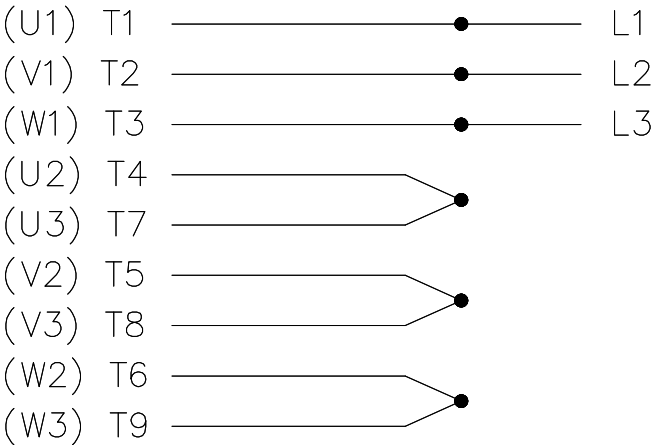
DRAWING REVISION B	REVISION BY SB	REV DATE/© DATE 05/19/2026
REQUEST NUMBER CR-0026322	APPROVED BY RMS	DATE 05/19/2026
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

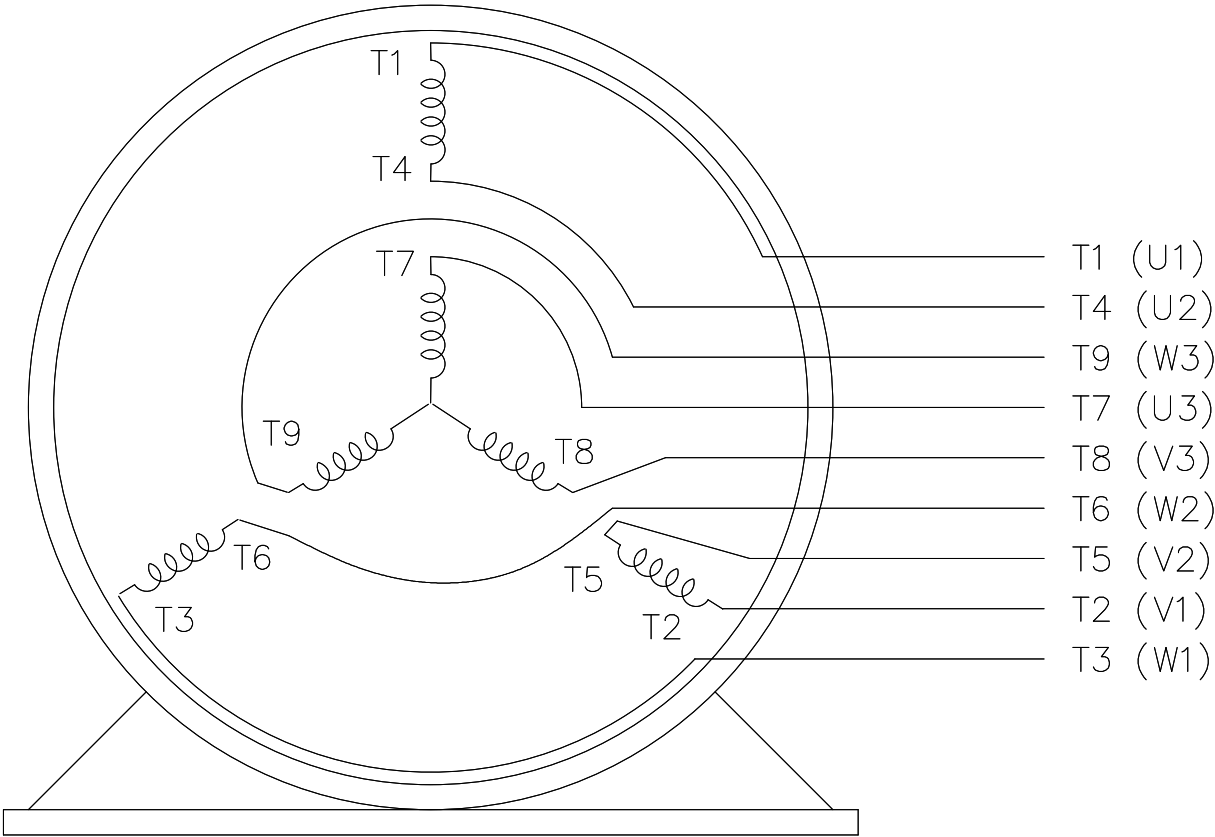
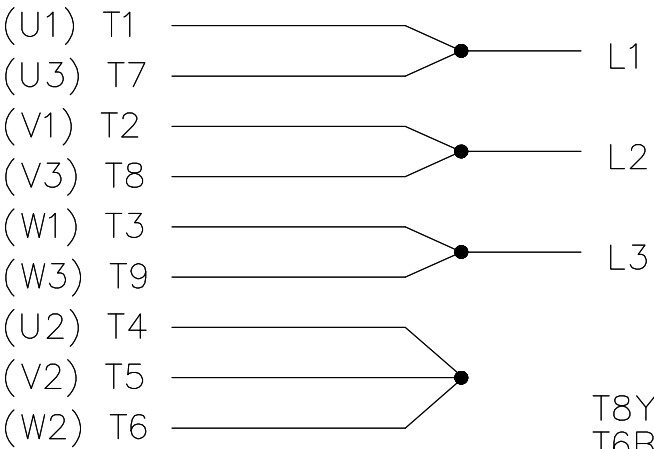
DRAWN BY VS	marathon™		
DATE 02-12-2020			
APPROVED BY MSH	DESCRIPTION OUTLINE NEMA 182/184T FR ODP RS BRAKE		
DATE 02-12-2020			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS621111	SHEET 1 OF 1

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

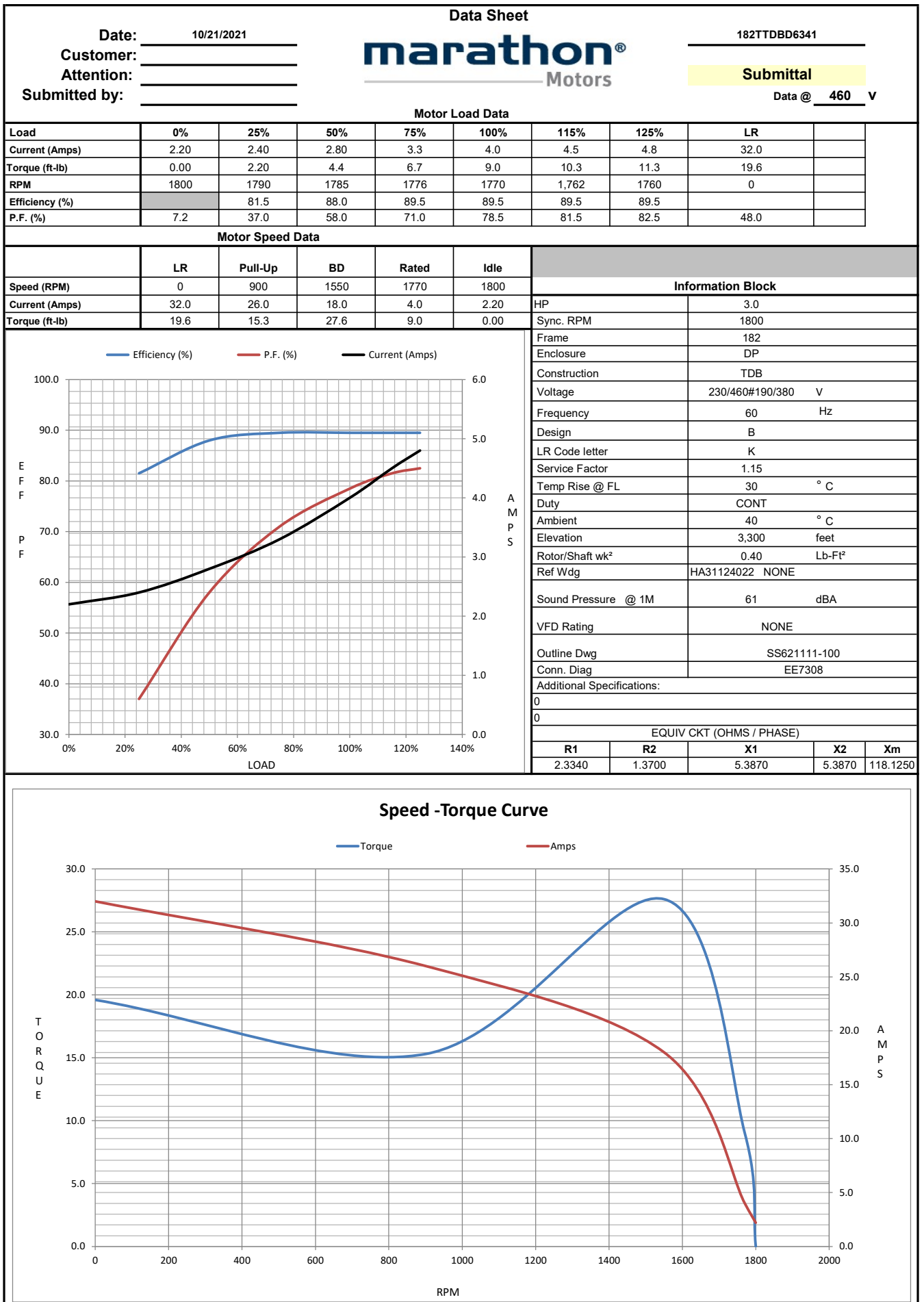
L1 WHITE
L2 RED
L3 BLACK

DRAWING REVISION J	REVISION BY SB	REV DATE/ © DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY RM
DATE 11/20/1990
APPROVED BY SAS
DATE 04/24/2003
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø - DUAL VOLTAGE MOTOR		
MATERIAL		PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308	SHEET 1 OF 1





P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308
OUTLINE: SS621111-100
WINDING: HA31124022 NONE 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 182TTDBD6341
CAT #: K566
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
3	2.2	1800	1770	182T	DP	TDB	K	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	8/4&6.8/3.4	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF		89.5	3/4 LD EFF	89.5	1/2 LD EFF	88.0	GTD EFF	ELECT. TYPE	
F.L. PF		78.5	3/4 LD PF	71.0	1/2 LD PF	58.0	88.5	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (° C)	
9.0	LB-FT	32.0		19.6	LB-FT	218%	27.6	LB-FT	307%
SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
61	dBA	70	dBA	0.40	LB-FT²	20	SEC.	2	70 LB.
*** SUPPLEMENTAL INFORMATION ***									
DE BRACKET TYPE		ODE BRACKET TYPE		MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS
STANDARD		BRAKE		RIGID	HORIZONTAL	NO	NONE	YES	NONE
PAINT		BLUE (ENAMEL)							
BEARINGS		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE	
DE		ODE		POLYREX EM		T		NONE	
BALL		BALL		NONE		NONE		1045 HOT ROLLED (C-204)	
6206		6307		ROLLED STEEL					
THERMOSTATS		PROTECTORS		WDG RTD's		BRG RTD's		THERMISTORS	
NONE		NOT		NONE		NONE		NONE	
CONTROL		FALSE							
SPACE		HEATERS							
NONE		NA							
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)	
2.334		1.37		5.387		5.387		118.125	
VIBRATION (in/sec)		0.150							
FLOAT		ODE							
* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE							
		ENCODER: NONE NONE NONE							
		BRAKE: STEARNS 56,000 NEMA 2 FT-LB: 15 VOLTAGE: 230/460							
PREPARED BY:		H2:							
DATE: 10/21/2021		UL: V - LI ME-INS. CONST UL REC							

FORM: 3531 REV. 4 2/27/06