

Severe Duty Motors

Model No: 365TSHFCD19034

Catalog No: W593B

Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 365TS Frame, TEFC

Product Information Packet: Model No: 365TSHFCD19034, Catalog No: W593B Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 365TS Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	75 Hp
Output KW	56.0 kW	Voltage	460 V
Speed	1780 r/min	Synchronous RPM	1800 r/min
Service Factor	1.15	Frame	365TS
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	95.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	85.0 A
Power Factor	87.5	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Listed
CSA	Y	CE	Y
IP Code	56	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

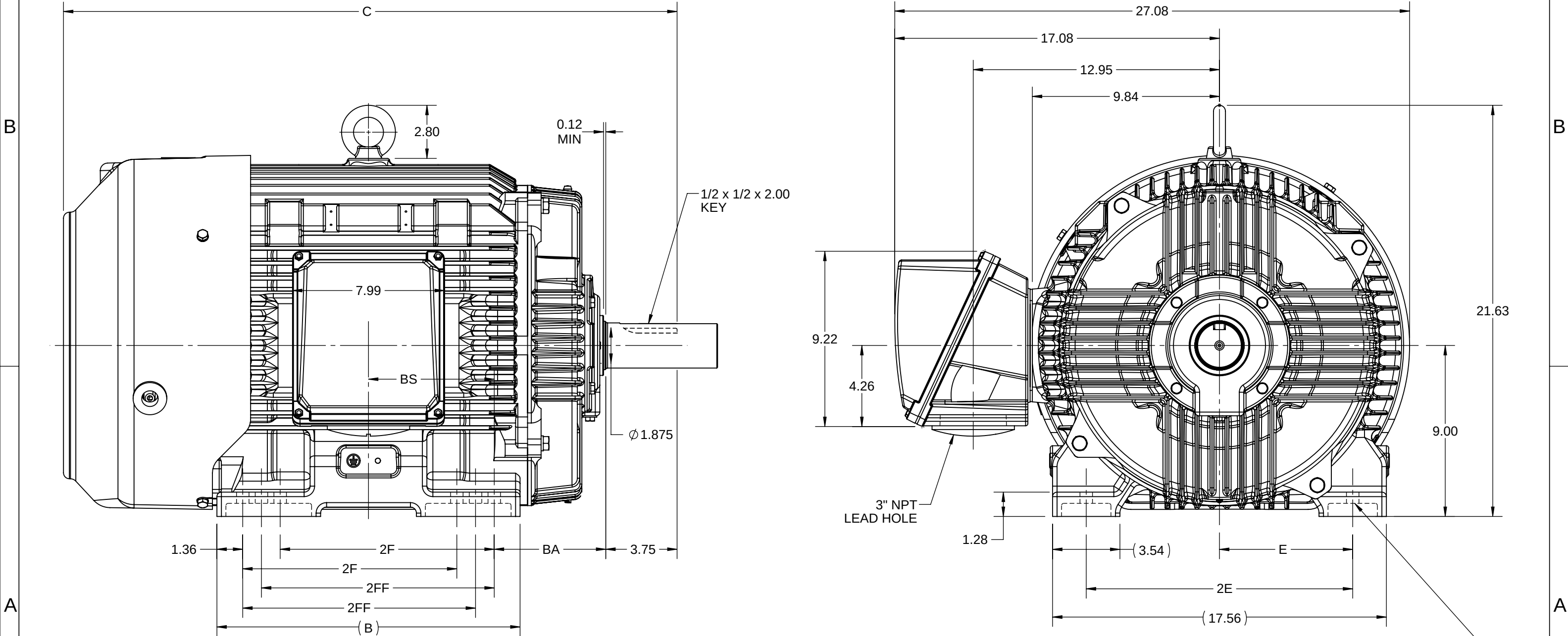
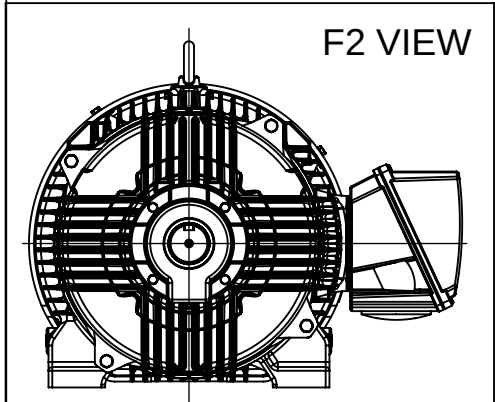
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.076 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	1.875 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2:1/Variable 10:1

Drawings

Connection Drawing	EE7300U	Outline Drawing	SS557663-200
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4					3						2	1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME		
100	14.96	33.27	7.00	14.00	-	11.25	5.88	6.12	F1 OR F2	364TS		
200	15.94	32.27			11.25	12.25		6.62		364/365TS		

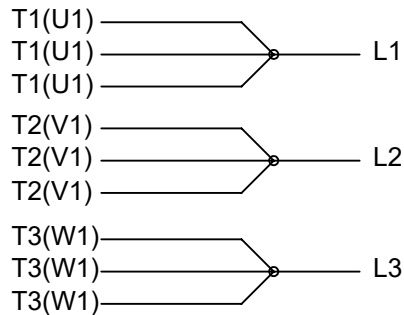


DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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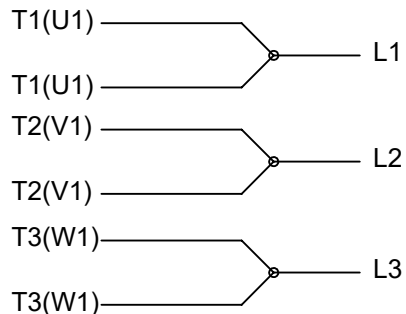
PRIMARY DIMENSIONS ARE INCH
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DRAWN BY BISWA	marathon™		
DATE 12/24/2018			
APPROVED BY SBD	DESCRIPTION OUTLINE		
DATE 12/24/2018	364/365TS FR-NEMA-SD & IEEE841		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS557663	SHEET 1 OF 1

IF MOTOR HAS 9 LEADS

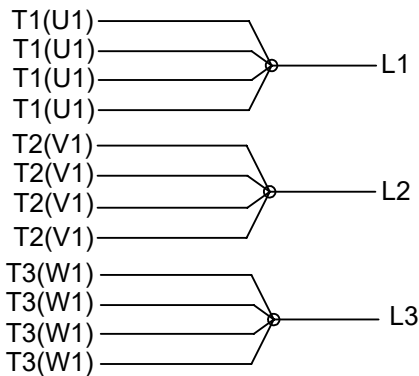
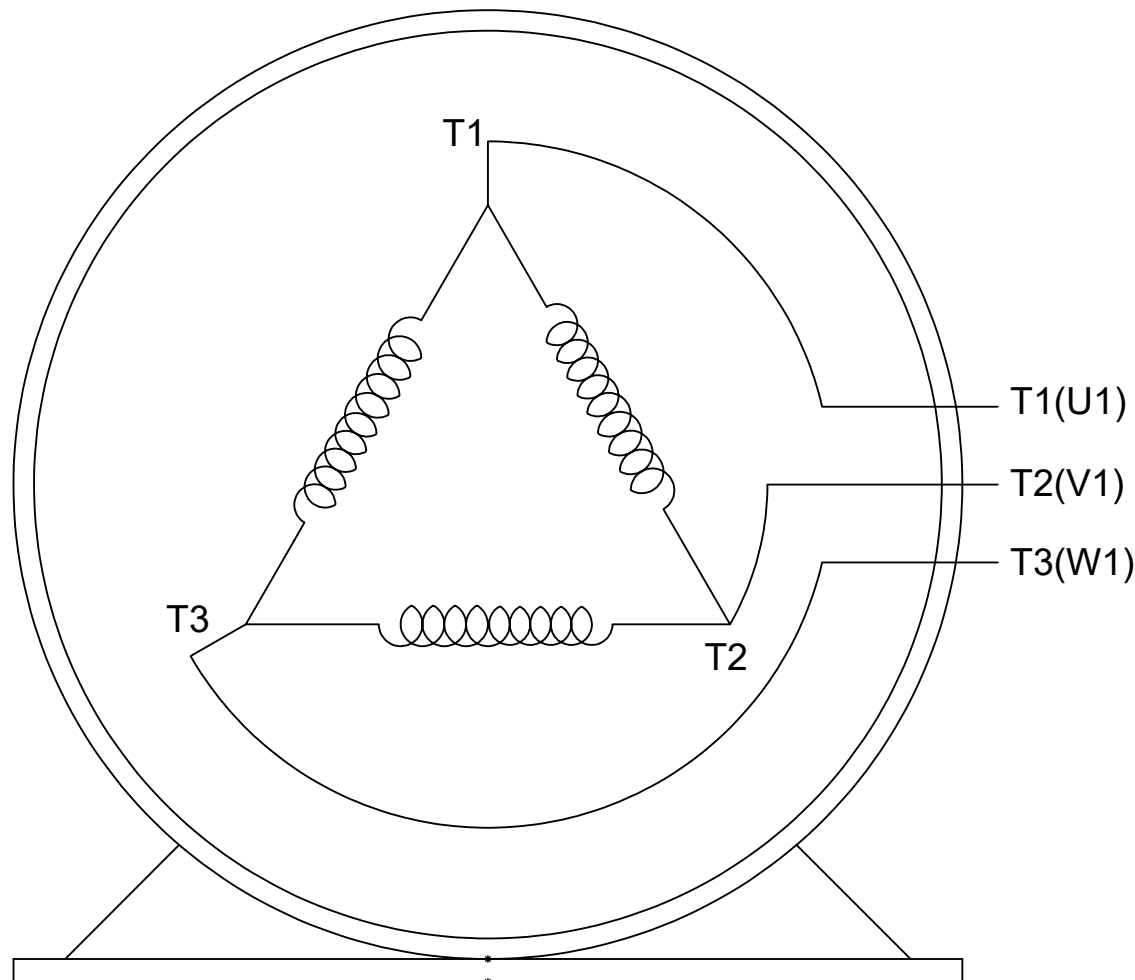


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



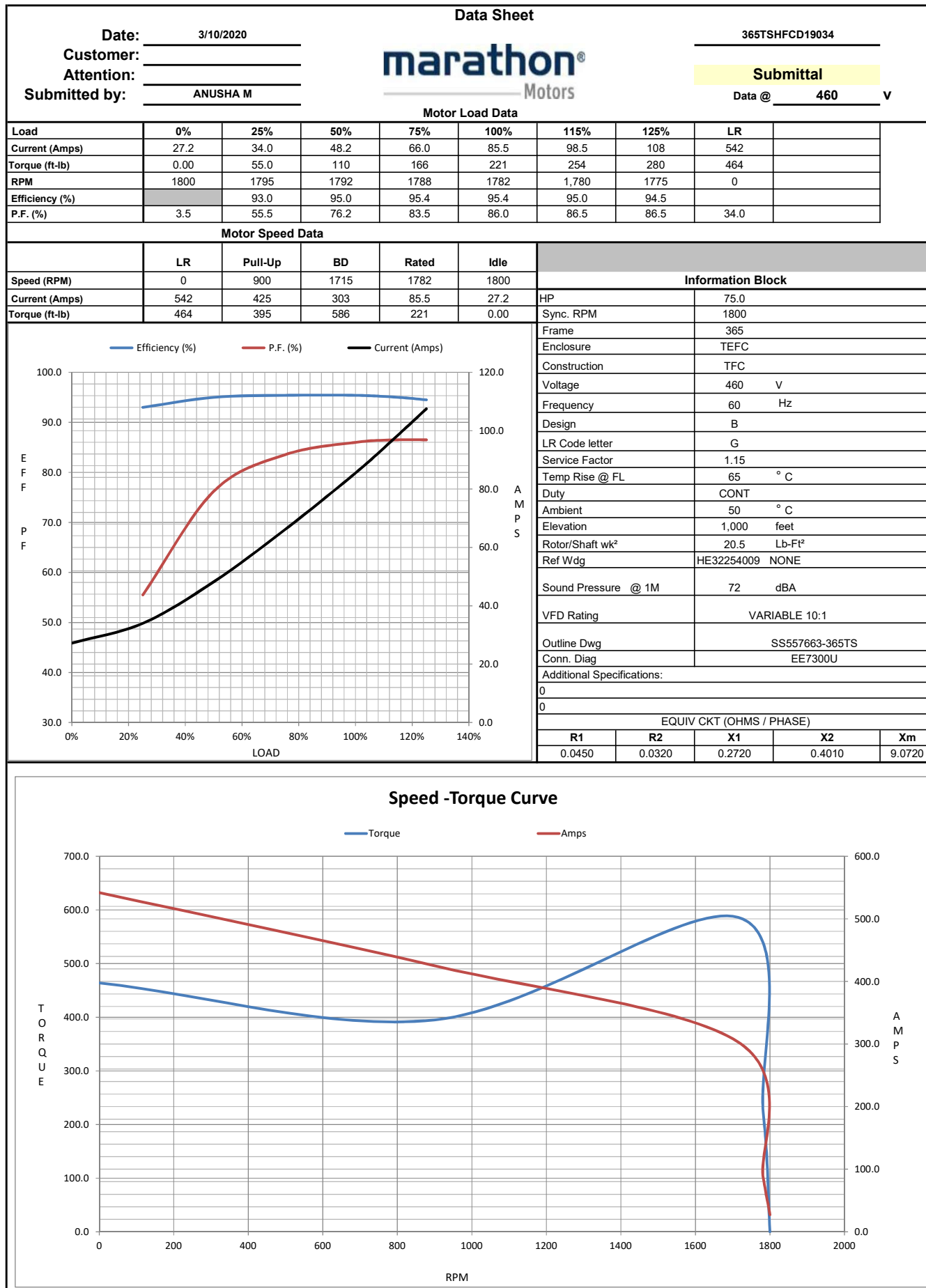
VIEW OF TERMINAL END

DRAWING REVISION M	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
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DRAWN BY DRS	DATE 09-27-1996
APPROVED BY GK	DATE 09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø SINGLE VOLTAGE		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1





DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300U
 OUTLINE: SS557663-365TS
 WINDING: HE32254009 NONE 1

REFERENCE MODEL #: 365TSHFCD19034
 CAT #: W593B

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
75	56	1800	1782	365TS	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	60	460	85.5	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	76.2	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	86.0	3/4 LD PF	83.5	1/2 LD PF	95.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
221 LB-FT	542	464 LB-FT 210%	586 LB-FT 265%	65

SOUND PRESSURE @	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
72 dBA	81 dBA	20.5 LB-FT²	400 LB-FT²	20 SEC.	2	545 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6313	6213						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.045	0.032	0.272	0.401	9.072	0.080	ODE

* N O T E S *			If Inverter equals NONE, contact factory for further information INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE PPR

PREPARED BY: ANUSHA M DATE: 3/18/2020	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE HZ:
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FORM: 3531 REV_4 2/27/06

** Subject to change without notice.