

Explosion Proof Motors

Model No: 182TTGCD6569

Catalog No: C364B

Explosion Proof Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182TC Frame,
EPFC

Product Information Packet: Model No: 182TTGCD6569, Catalog No: C364B Explosion Proof Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182TC Frame, EPFC

Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1762 & 1468 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.00 & 1.00	Frame	182TC
Enclosure	Explosion Proof Fan cooled	Thermal Protection	Thermostat
Efficiency	89.5 & 85.5 %	Ambient Temperature	50 °C
Frequency	60 & 50 Hz	Current	8/4 & 6.8/3.4 A
Power Factor	78	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6206	UL	UL Listed And CSA Certified
CSA	Y	CE	N
IP Code	54	Number of Speeds	1
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C		

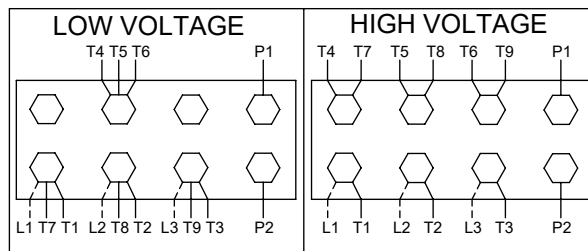
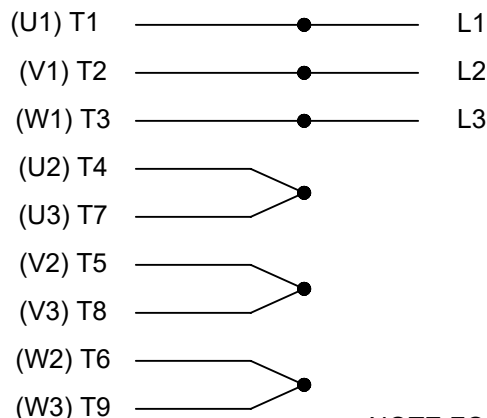
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	4.15 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1 Only	Inverter Load	Constant 10:1

Drawings

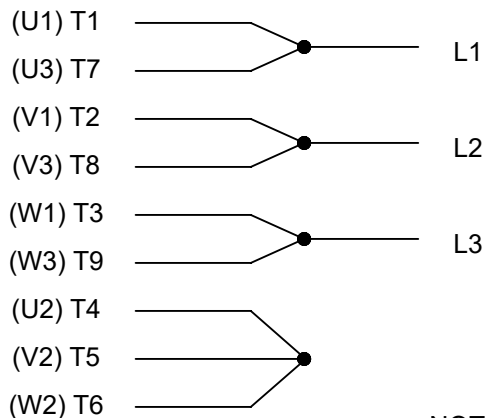
Connection Drawing	A-EE7308T	Outline Drawing	035673-800
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HIGH VOLTAGE

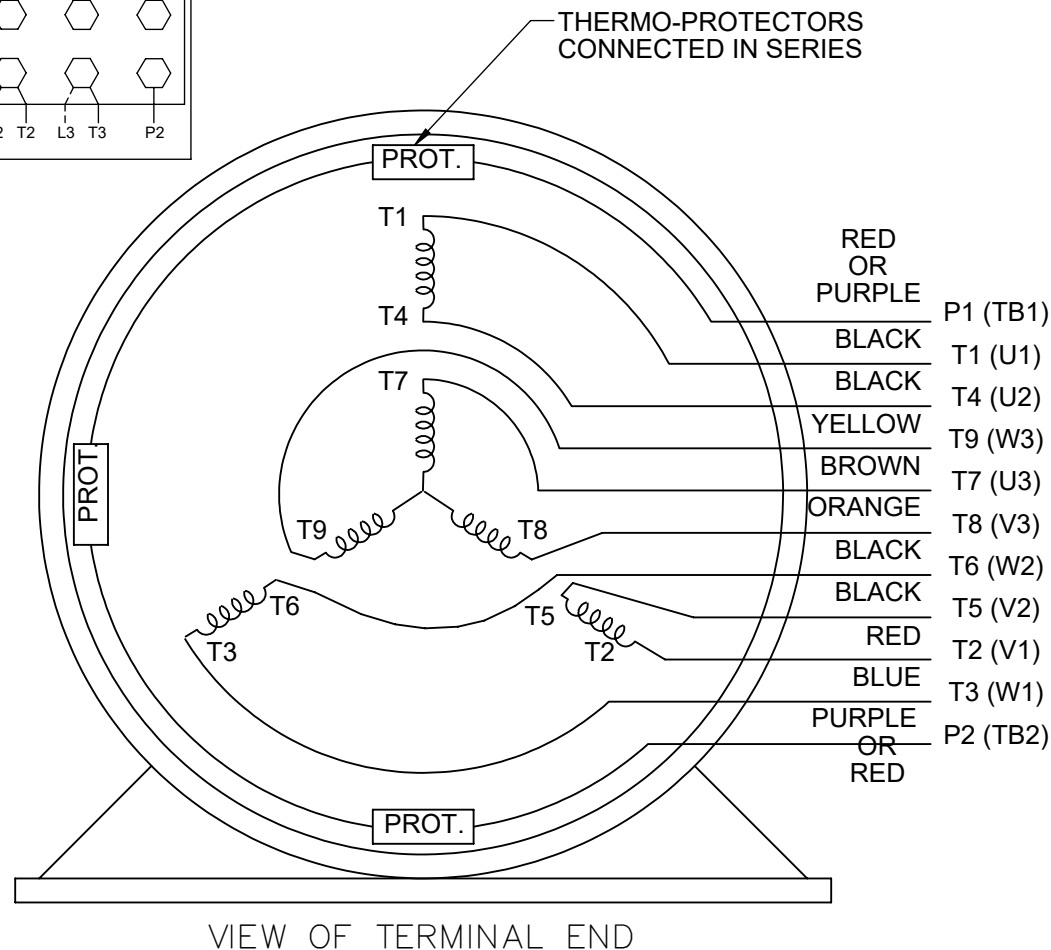


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR



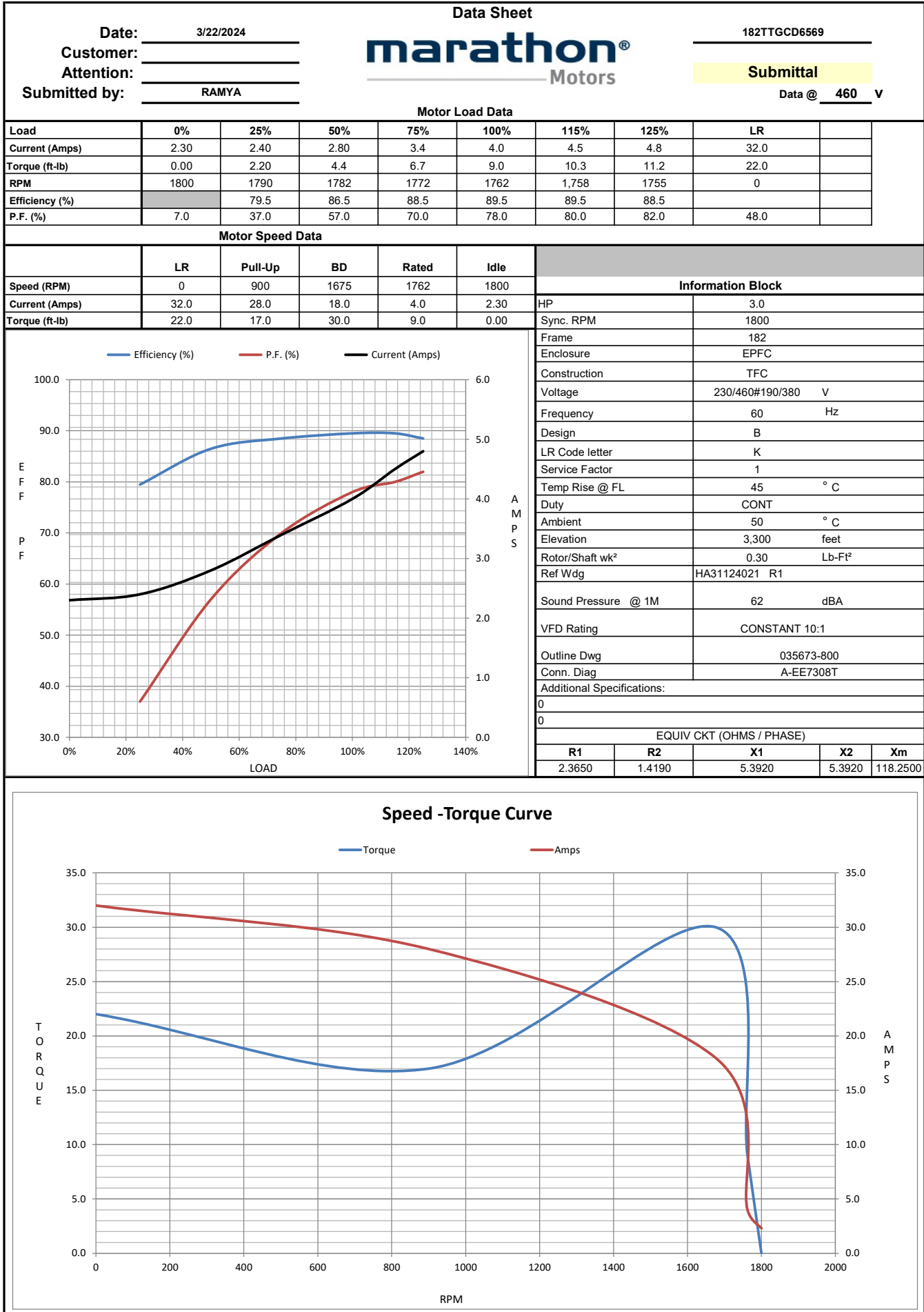
NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR IMG PLANT

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

DRAWN BY SMC	DATE 05-13-1992
APPROVED BY TB	DATE 05-13-1992
REFERENCE EE7308/EE7300	THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - DUAL VOLTAGE MOTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308T	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: A-EE7308T
OUTLINE: 035673-800
WINDING: HA31124021 NONE 3
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 182TTGCD6569
CAT #: C364B
CUSTOMER PART #: _____
MOUNTING: F1 ONLY
FAN: 504205B

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	1800	1762	182TC	EPFC	TFB	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	1.00	50	3300

F.L. EFF	89.5	3/4 LD EFF	88.5	1/2 LD EFF	86.5	GTD EFF	ELECT. TYPE
F.L. PF	78.0	3/4 LD PF	70.0	1/2 LD PF	57.0	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	20.0 LB-FT 222%	29.0 LB-FT 322%	60

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR
62 dBA	71 dBA	0.30 LB-FT²	25 LB-FT²	32 SEC.	2	145 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C	NO	NONE	BLUE - RAL 5003 (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	
BALL BALL							
6207 6206							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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
2.365	1.419	5.392	5.392	118.25	0.080	ODE

* N O T E S *		INVERTER TORQUE: NONE
		INV. HP SPEED RANGE: NONE
		ENCODER: NONE
	NONE	NONE PPR
	NONE	

PREPARED BY: _____	BRAKE: NONE
DATE: 11/18/2022	NONE FT-LB: NA
	VOLTAGE: NONE HZ: _____
FORM: 3531 REV 4 2/27/06	UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS