

Explosion Proof Motors

Model No: 215TTGCD6528

Catalog No: C367C

Explosion Proof Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215TC
Frame, EPFC

Product Information Packet: Model No: 215TTGCD6528, Catalog No: C367C Explosion Proof Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215TC Frame, EPFC

Nameplate Specifications

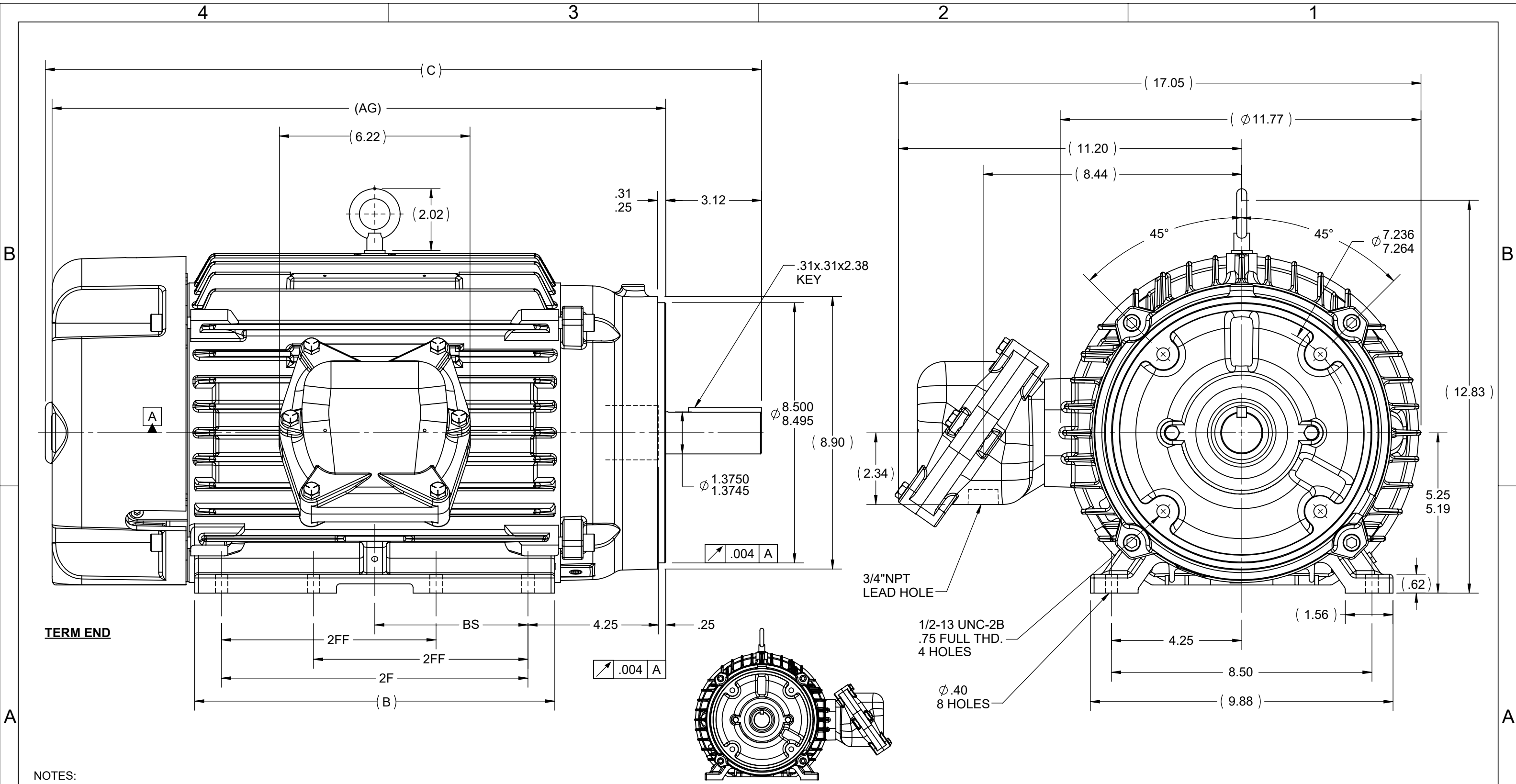
Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	1762 & 1465 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.00 & 1.00	Frame	215TC
Enclosure	Explosion Proof Fan cooled	Thermal Protection	Thermostat
Efficiency	91.7 & 91 %	Ambient Temperature	50 °C
Frequency	60 & 50 Hz	Current	25/12.5 & 23.2/11.6 A
Power Factor	81.3	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	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	1.155 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	1.375 in
Assembly/Box Mounting	F1 Only	Inverter Load	Constant 10:1

Drawings

Connection Drawing	A-EE7308T	Outline Drawing	037702-1212
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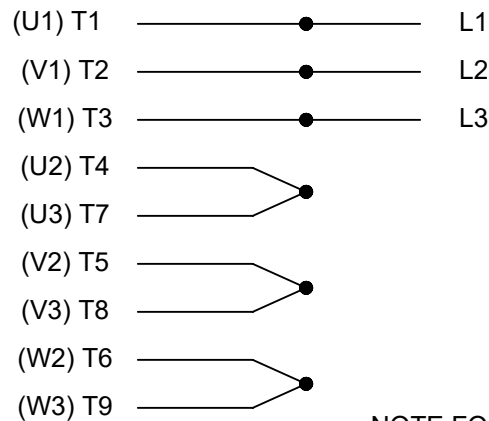
NOTES:

- CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
- CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. THIS MODIFICATION CAN BE PERFORMED ONLY BY THE ORIGINAL EQUIPMENT MANUFACTURER, OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. CATEGORY PTKQ, TITLED "MOTOR AND GENERATORS,. REBUILT FOR USE IN HAZARDOUS LOCATION".
- NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1212	215	23.38	11.76	10	7	5	20.03
912	213/215	20.38	8.63	7	5.5	3.5	17.03
DASH	FRAME	C	B	2F	2FF	BS	AG

DRAWING REVISION G		REVISION BY SB		REV DATE/© DATE 09/05/2025		TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7' 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY PN		marathon™								
REQUEST NUMBER CR-0023556		APPROVED BY SBD		DATE 09/05/2025						DATE 9/2/2010										
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED								APPROVED BY		DESCRIPTION OUTLINE 210 FR. - EPFC										
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												THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER 037702			SHEET 1 OF 1

LOW 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

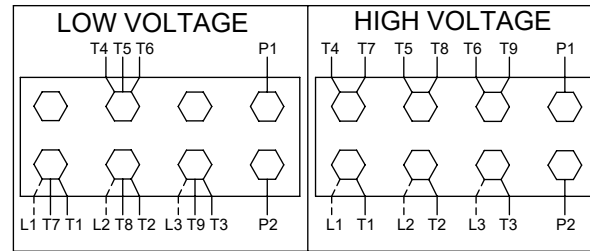
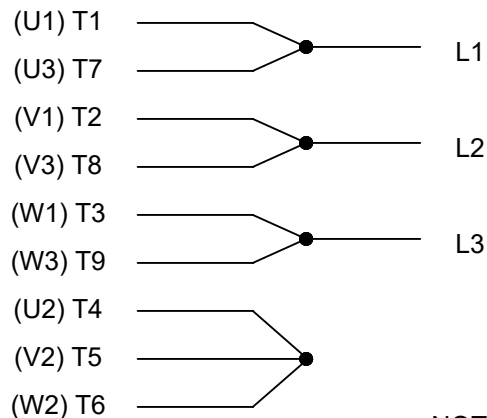


Diagram illustrating the terminal end of a cable, showing the internal wiring and color coding for the conductors.

Thermoprotectors: Two thermoprotectors (PROT.) are shown, connected in series.

Conductors and Connections:

- T1:** Connected to P1 (TB1), color: RED OR PURPLE.
- T4:** Connected to T1 (U1), color: BLACK.
- T7:** Connected to T4 (U2), color: BLACK.
- T9:** Connected to T9 (W3), color: YELLOW.
- T8:** Connected to T7 (U3), color: BROWN.
- T6:** Connected to T8 (V3), color: ORANGE.
- T5:** Connected to T6 (W2), color: BLACK.
- T3:** Connected to T5 (V2), color: BLACK.
- T2:** Connected to T2 (V1), color: RED.
- T12:** Connected to T3 (W1), color: BLUE.
- T11:** Connected to T2 (TB2), color: PURPLE OR RED.

VIEW OF TERMINAL END

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

DRAWING REVISION U		REVISION BY SB	REV DATE/© DATE 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY SMC		marathon™		
REQUEST NUMBER CR-0023654		APPROVED BY SBD	DATE 08/01/2025		DATE 05-13-1992				
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED					APPROVED BY TB		DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - DUAL VOLTAGE MOTOR		
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					REFERENCE EE7308/EE7300		MATERIAL		PROCESS/FINISH
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308T		SHEET 1 OF 1

Data Sheet

Date: 7/28/2022

Customer: _____

Attention: _____

Submitted by: _____



215TTGCD6528

132019.001 FAN

Submittal

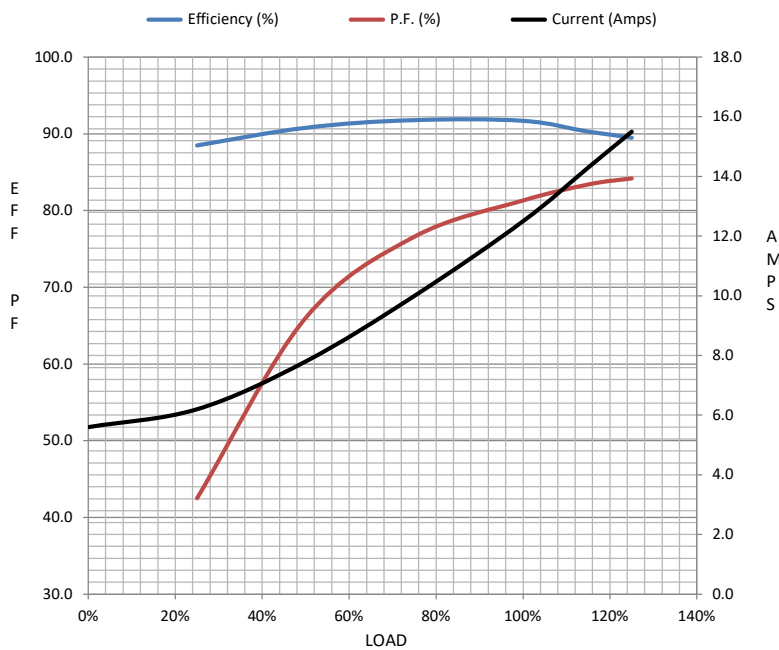
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.6	6.2	7.8	10.0	12.5	14.3	15.5	79.0	
Torque (ft-lb)	0.00	7.3	14.7	22.2	29.8	34.4	37.4	59.0	
RPM	1800	1792	1782	1772	1762	1,756	1752	0	
Efficiency (%)		88.5	90.8	91.8	91.7	90.3	89.5		
P.F. (%)	9.0	42.5	66.0	76.6	81.3	83.4	84.2	44.0	

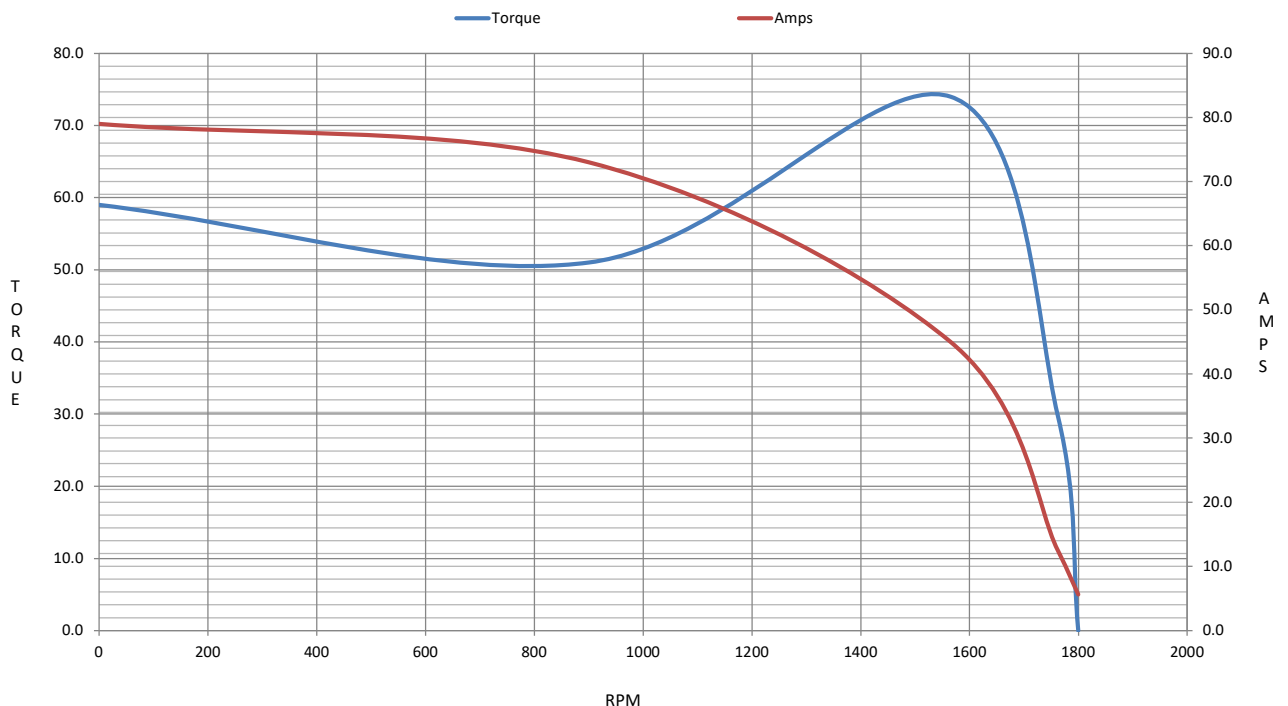
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1565	1762	1800	HP	10.0
Current (Amps)	79.0	73.0	45.0	12.5	5.6	Sync. RPM	1800
Torque (ft-lb)	59.0	51.0	74.0	29.8	0.00		



Frame	215			
Enclosure	EPFC			
Construction	TFC			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	1.13 Lb-Ft²			
Ref Wdg	HA31324013 R1			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	037702-1212			
Conn. Diag	A-EE7308T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.7410	0.4660	2.1470	2.5790	46.7750

Speed -Torque Curve





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: 037702-1212
WINDING: HA31324013 R1 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 215TTGCD6528
CAT #: C367C
CUSTOMER PART #:
MOUNTING: F1 ONLY
FAN: 504205B

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	1800	1762	215TC	EPFC	TFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	25/12.5&23.2/11.6	ACROSS THE LINE	CONT	F	1.0	50	3300

F.L. EFF	91.7	3/4 LD EFF	91.8	1/2 LD EFF	90.8	GTD EFF		ELECT. TYPE	
F.L. PF	81.3	3/4 LD PF	76.6	1/2 LD PF	66.0		91.0	SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
29.8 LB-FT	79.0	59.0 LB-FT 198%	74.0 LB-FT 248%	60

SOUND PRESSURE @	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR
62 dBA	71 dBA	1.13 LB-FT²	85 LB-FT²	25 SEC.	2	210 LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP 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 BALL BALL 6309 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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
0.741	0.466	2.147	2.579	46.775	0.080	ODE

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

PREPARED BY:	DATE: 8/1/2022	BRAKE: NONE	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	