ABB BALDOR RELIANCE

Customer information packet

IDXM7562T

40HP, 1790RPM, 3PH, 60HZ, X364T, A36062M, TEFC
Class - CLI GP D
Division - Division I

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11/18/2026 12:17:30 AM

Specifications

Enclosure	TEFC
Frame	X364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	10:1
Current @ Voltage	48.200 A @ 460.0 V
	96.400 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Frame Prefix	X
Haz Area Temp Code	T2B
Heater Indicator	No Heater
High Voltage Full Load Amps	48.2 a
Insulation Class	F

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A36WG1487
Layout	616512-525
Eff. date	02-05-2019
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	03-11-2016

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.44 IN
Power Factor	82
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1790 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L
MOBIL POLYREX EM

000613006PC			
CLASS I GROUP	D X X	**NO.**	
CLASS II GROUP	X X X		
OPERATING TEMP CODE	T2B		

000613007HV											
CAT NO				**SPEC NO.**	P36G4724						
SER.NO.				**FRAME**	X364T						
	HP	**TYPE**	P								
BASE	40	1790	230/460	96.4/48.2	60	**SF**	1.00				
MAX	40	2680	230/460	91.0/45.5	90		**INSUL.CLASS**	F			
DRIVE END BEARING	65BC03J30X		**CONSTANT TORQUE**		**DUTY**	CONT		**AMB**	40		
OPP D.E. BEARING	65BC03J30X		10:1	**ENCL**	TEFC		**PHASE**	3			
DESIGN NO.	A36WG1487-R002		**FLUX AMPS**	38.8/19.4							
MAX SPEED/RPM	3600		**OVERTEMP PROT**	2	**WK2**	14.32		**POLES**	4	**WEIGHT**	

000901002AAA	
SUITABLE FOR OPERATION ON VPWM	INVERTER
EQUIPPED WITH IGBT DEVICES AND	CAPABLE OF
CARRIER FREQUENCY OF 2 KHZ OR	HIGHER

DUTY MASTER ALTERNATING CURRENT MOTORS

616512-525

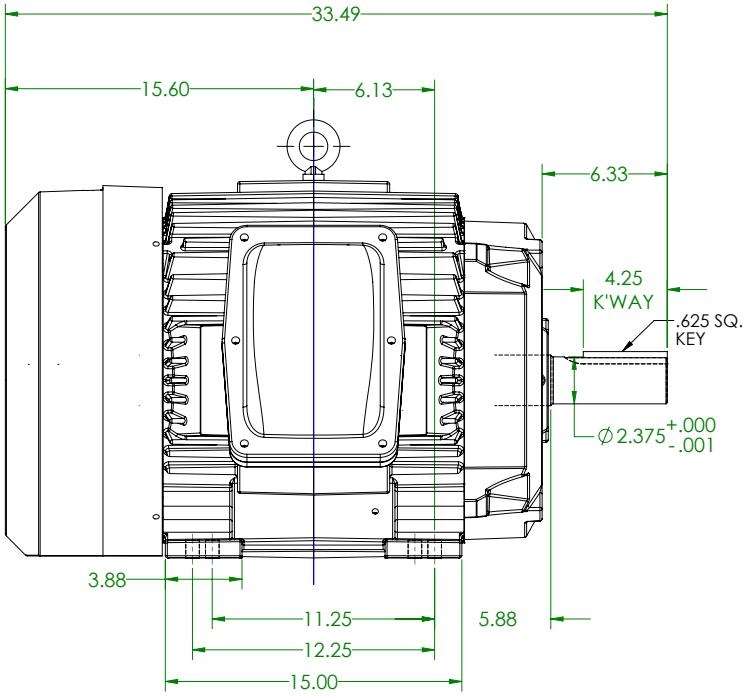
SQUIRREL-CAGE INDUCTION

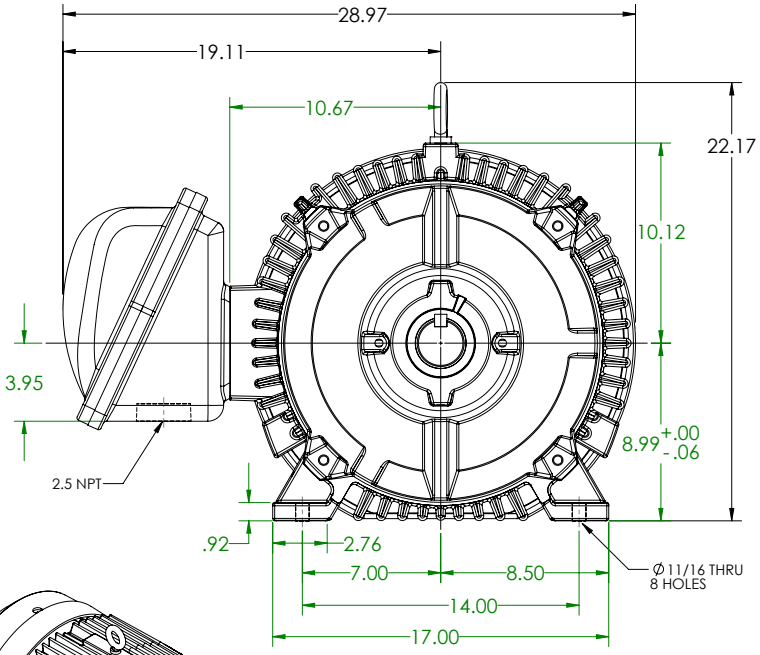
ENCLOSURE: TOTALLY ENCLOSED

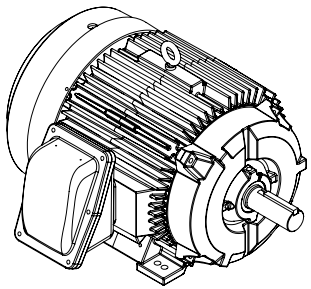
FRAME 365T
INCLUDES 364T FRAME MOUNTING HOLES

COOLING: FAN-COOLED

MOUNTING: FOOT







DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 1

616512-525

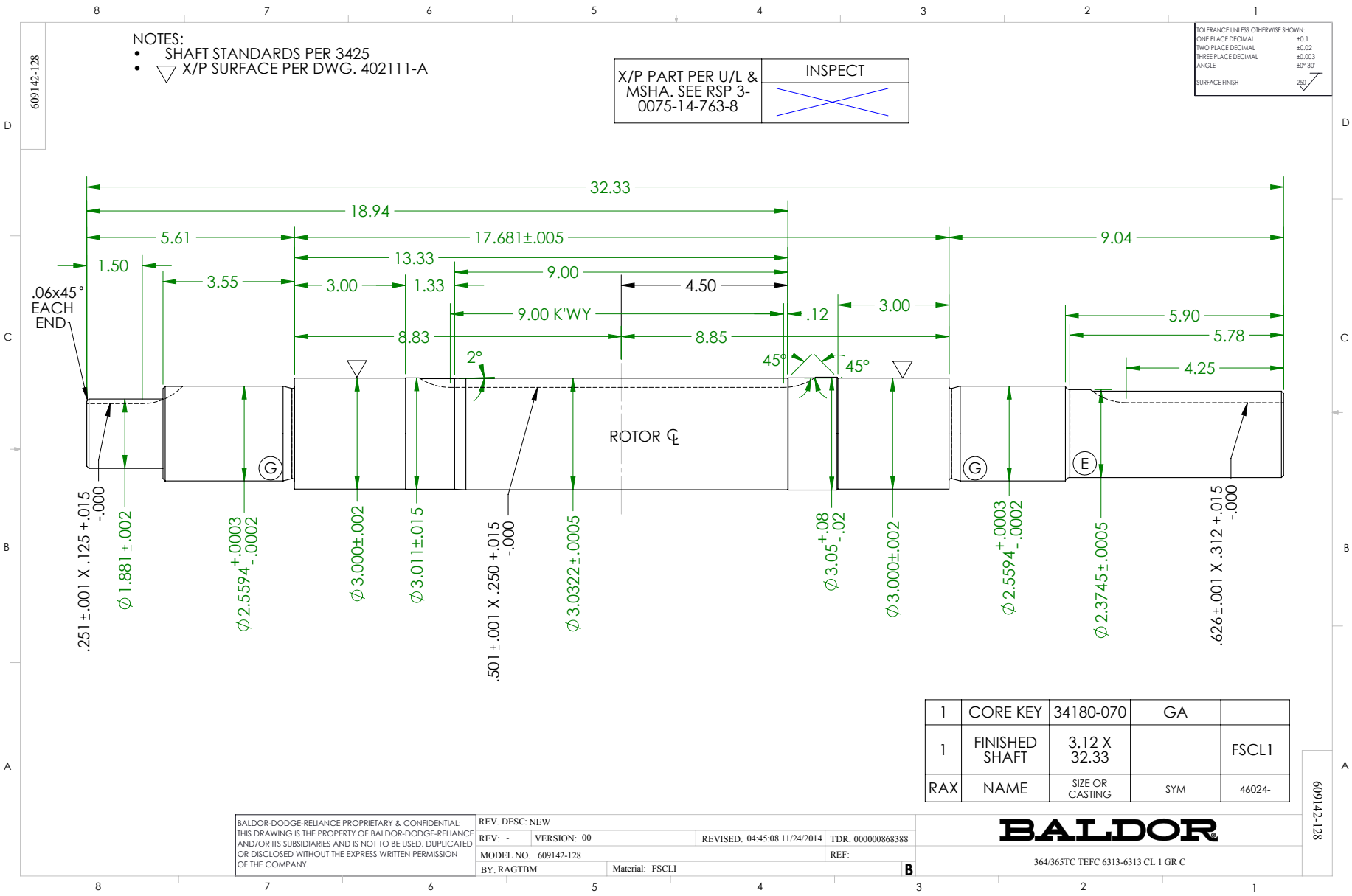
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .001" T.I.R.

REV. DESC: NEW ISSUE			
REV: -	VERSION: 00	REVISED: 04:28:17 03/10/2016	TDR: 000000970300
MODEL NO. 616512-525			
BY: RAGGDM			C

BALDOR

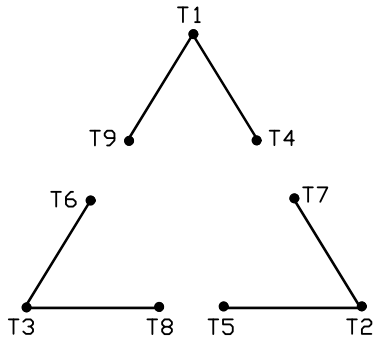
E365T 6313 FCXP W/BOLT ON CONDUIT BOX -- CLASS 1 GR D

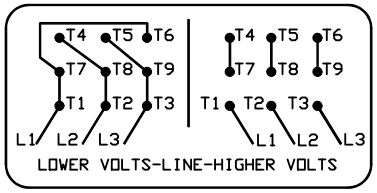
616512-525


609142-128
NOTES:
• SHAFT STANDARDS PER 3425
• ▽ X/P SURFACE PER DWG. 402111-A
X/P PART PER U/L & MSHA. SEE RSP 3-0075-14-763-8
INSPECT
TOLERANCE UNLESS OTHERWISE SHOWN:
ONE PLACE DECIMAL ±0.1
TWO PLACE DECIMAL ±0.02
THREE PLACE DECIMAL ±0.003
ANGLE ±0°-30'
SURFACE FINISH 250
32.33
18.94
5.61
17.681±.005
9.04
1.50
13.33
3.55
3.00
1.33
9.00
4.50
.06x45° EACH END
9.00 K'WY
.12
3.00
5.90
8.83
8.85
5.78
2°
45°
45°
4.25
ROTOR ℄
G
G
E
.251±.001 X .125 +.015 -.000
Ø1.881±.002
Ø2.5594 +.0003 -.0002
Ø3.000±.002
Ø3.011±.015
.501±.001 X .250 +.015 -.000
Ø3.0322±.0005
Ø3.05 +.08 -.02
Ø3.000±.002
Ø2.5594 +.0003 -.0002
Ø2.3745±.0005
.626±.001 X .312 +.015 -.000
1 CORE KEY 34180-070 GA
1 FINISHED SHAFT 3.12 X 32.33 FSCL1
RAX NAME SIZE OR CASTING SYM 46024-
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REV. DESC: NEW
REV: - VERSION: 00 REVISED: 04:45:08 11/24/2014 TDR: 000000868388
MODEL NO. 609142-128 REF:
BY: RAGTBM Material: FSCLI B
BALDOR
364/365TC TEFC 6313-6313 CL 1 GR C
609142-128

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002