

ABB BALDOR RELIANCE III

Customer information packet

IDXM7562T

40HP, 1790RPM, 3PH, 60HZ, X364T, A36062M, TEFC

Class - CLI GP D

Division - Division I

Specifications

Enclosure	TEFC
Frame	X364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I 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

SQUIRREL-CAGE INDUCTION

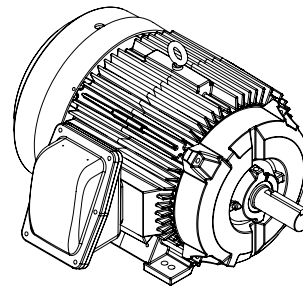
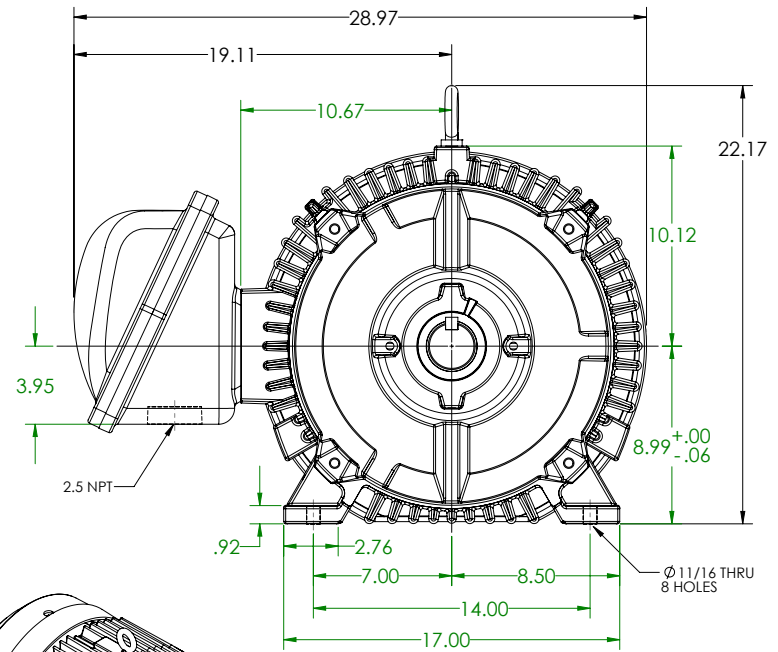
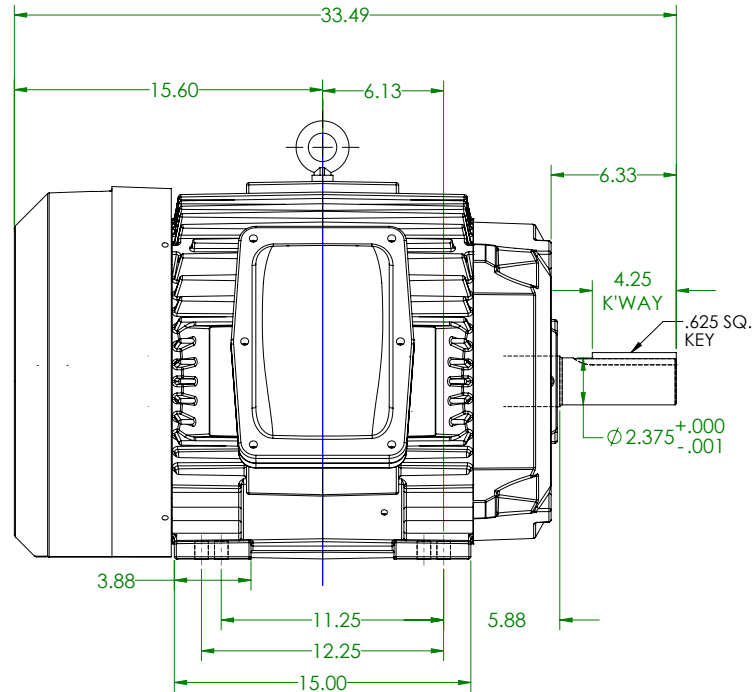
ENCLOSURE: TOTALLY ENCLOSED

FRAME 365T

COOLING: FAN-COOLED

MOUNTING: FOOT

INCLUDES 364T FRAME MOUNTING HOLES



DIMENSIONS ARE IN INCHES

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

SHEET NUMBER
1 OF 1

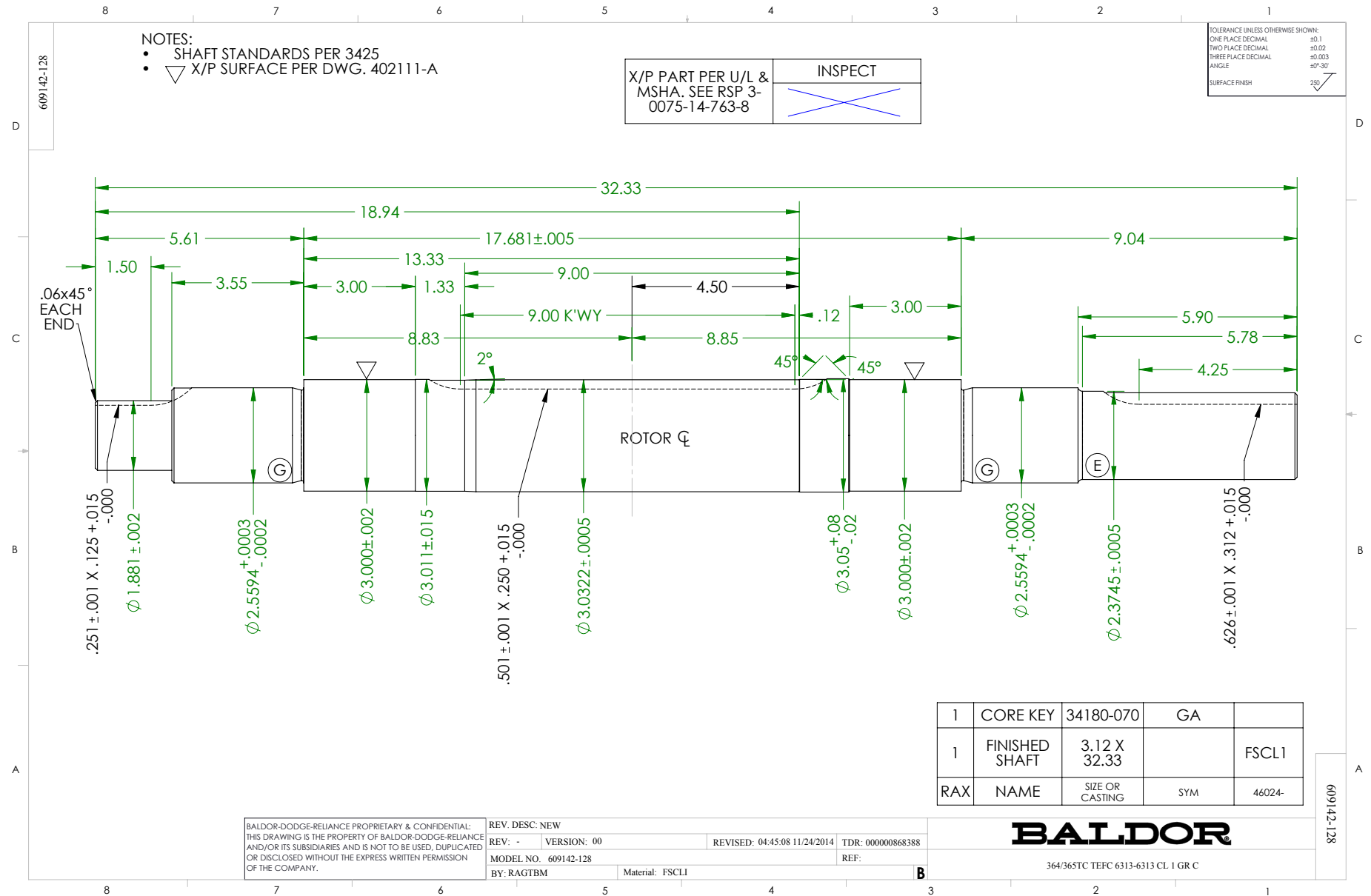
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .001" T.I.R.

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

BALDOR

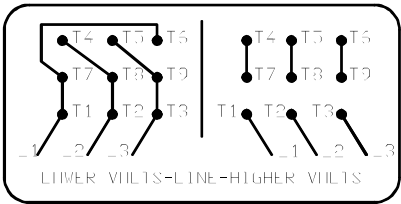
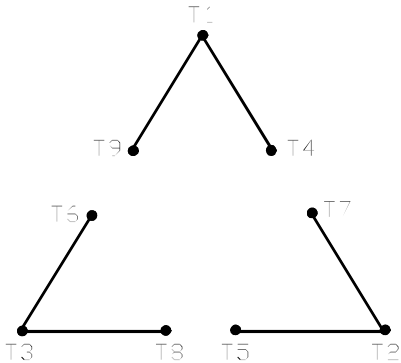
E365T 6313 FCXP W/BOLT ON CONDUIT BOX - CLASS 1 GR D

616512-525



416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —	⊗ ◻	

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002