Customer information packet

ECTM4314T-G-AO

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, TEAO, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	60.000 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	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	70.000 A @ 460.0 V
	152.000 A @ 208.0 V
	140.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	70.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4075
Layout	617438-185
Eff. date	05-20-2025
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	03-23-2022

Motor Standards	NEMA
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	29.96 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4486												
CAT.NO.	ECTM4314T-G-AO			**SPEC NO.**	A36-7876-4075							
HP	60HP	**AMPS**	140/70		**VOLTS**	230/460		**DESIGN**	B			
FRAME	364T	**RPM**	1780		**HZ**	60	**AMB**	40	**SF**	1.15		
DRIVE END BEARING	65BC03JGG30A	**PH**	3	**DUTY**	CONT		**INSUL.CLASS**	F				
OPP D.E. BEARING	65BC03JGG30A	**TYPE**	P	**ENCL**	TEAO	**CODE**	G					
D.E.BRG.DATA	6313			**POWER FACTOR**	84			**NEMA NOM EFFICIENCY**	95			
O.D.E.BRG.DATA	6313			**MAX CORR KVAR**	15.00			**GUARANTEED EFFICIENCY**	94.1			
3/4 LOAD EFF.	95			**NEMA NOM/CSA QUOTED EFF**								
SER.NO.				**MOTOR WEIGHT**	952							

000901002AAA
1000 MIN FPM @ RATED HP AND SF
INV DUTY 20:1VT
AIR OVER MOTOR

SHEET NUMBER 1 OF 1

617438-185

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

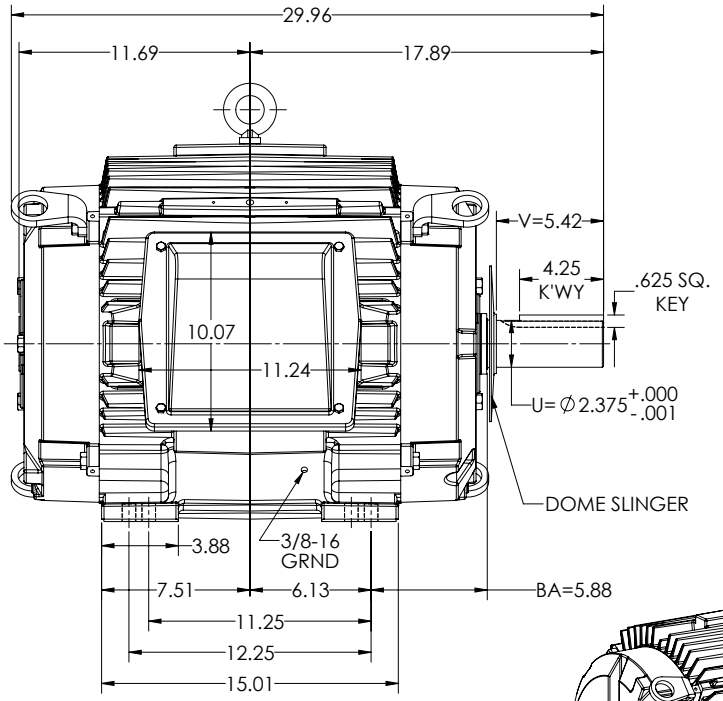
ENCLOSURE: TOTALLY ENCLOSED

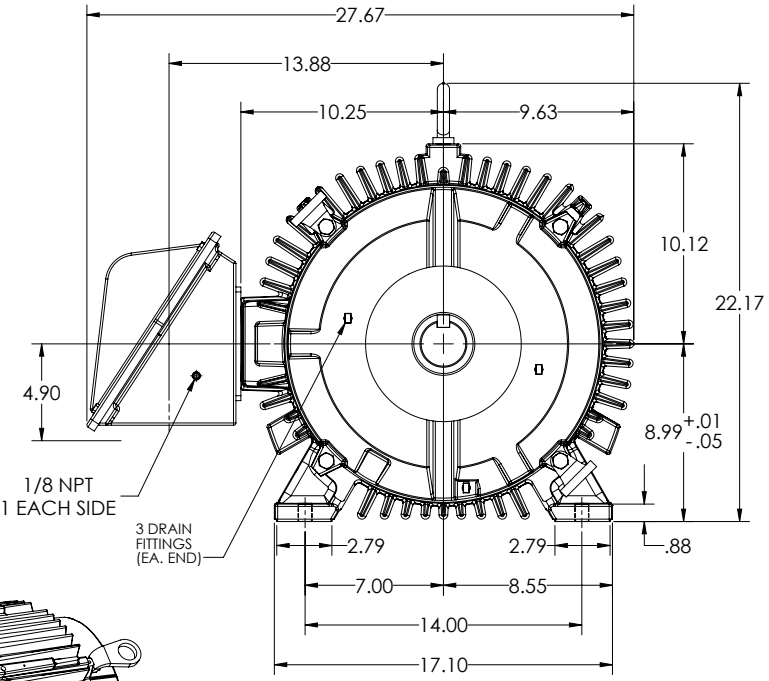
FRAME 365T

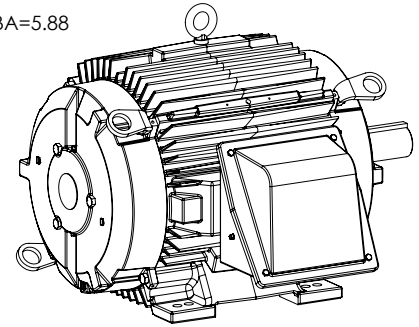
COOLING: NON-VENTILATION

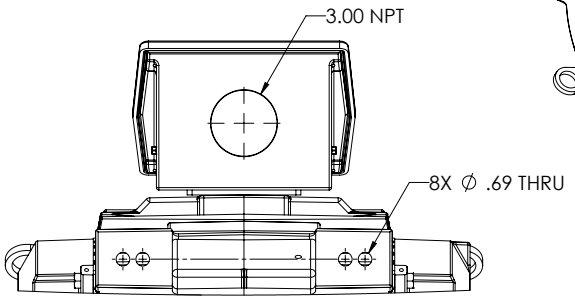
MOUNTING: FOOT, F-1 SIDE

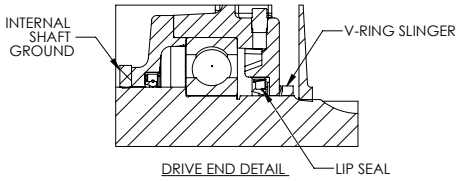
INCLUDES 364T FRAME MOUNTING HOLES











IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY. MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

DIMENSIONS ARE IN INCHES

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

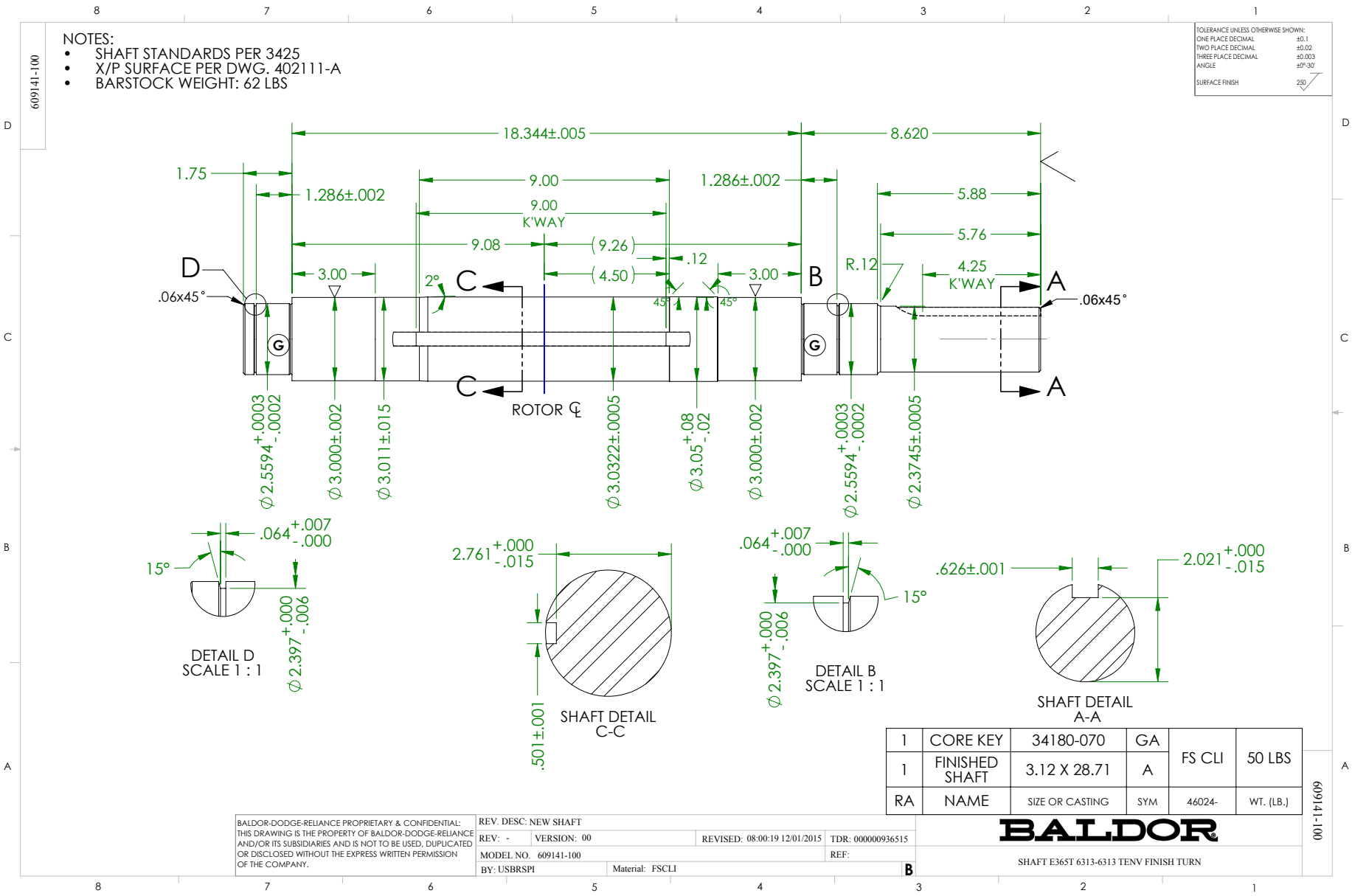
REV. DESC: NEW			
REV: -	VERSION: 00	REVISED: 10:38:30 04/26/2022	TDR: 000001187873
MODEL NO. 617438-185			
BY: USGRHUR			C

BALDOR

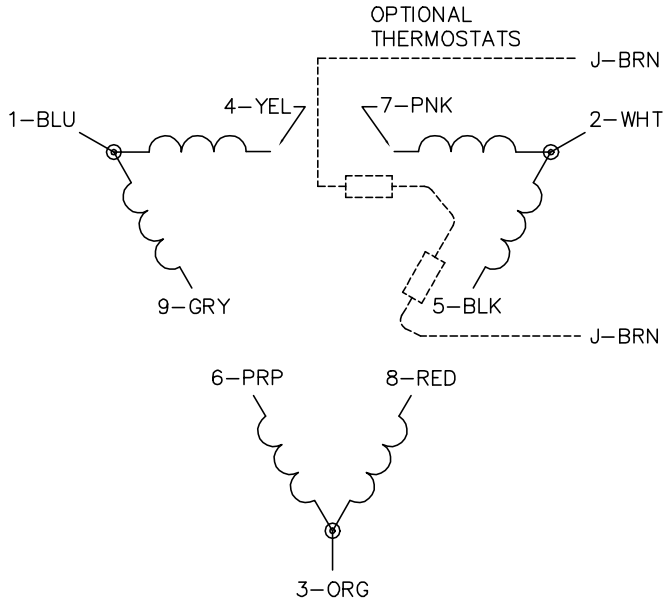
E365T TENV FT- F1- SLGR, SPCL DRAIN, VERT LIFTING

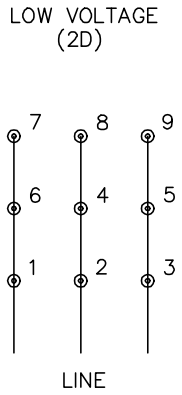
617438-185

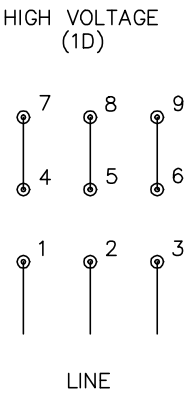
617438-185


609141-100
NOTES:
• SHAFT STANDARDS PER 3425
• X/P SURFACE PER DWG. 402111-A
• BARSTOCK WEIGHT: 62 LBS
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
18.344±.005
8.620
1.75
1.286±.002
9.00
9.00 K'WAY
9.08
(9.26)
(4.50)
.12
1.286±.002
5.88
5.76
4.25 K'WAY
R.12
3.00
3.00
2°
45°
45°
D
C
B
A
.06x45°
.06x45°
G
G
ROTOR ℄
Ø2.5594 +.0003 -.0002
Ø3.000±.002
Ø3.011±.015
Ø3.0322±.0005
Ø3.05 +.08 -.02
Ø3.000±.002
Ø2.5594 +.0003 -.0002
Ø2.3745±.0005
.064 +.007 -.000
15°
Ø2.397 +.000 -.006
DETAIL D
SCALE 1 : 1
2.761 +.000 -.015
.501±.001
SHAFT DETAIL
C-C
.064 +.007 -.000
15°
Ø2.397 +.000 -.006
DETAIL B
SCALE 1 : 1
.626±.001
2.021 +.000 -.015
SHAFT DETAIL
A-A
1 CORE KEY 34180-070 GA FS CLI 50 LBS
1 FINISHED SHAFT 3.12 X 28.71 A
RA NAME SIZE OR CASTING SYM 46024- WT. (LB.)
BALDOR-DODGE-RELIANCE PROPRIETARY & CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BALDOR-DODGE-RELIANCE AND/OR ITS SUBSIDIARIES AND IS NOT TO BE USED, DUPLICATED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE COMPANY.
REV. DESC: NEW SHAFT
REV: - VERSION: 00 REVISED: 08:00:19 12/01/2015 TDR: 000000936515
MODEL NO. 609141-100 REF:
BY: USBRSPI Material: FSCLI B
BALDOR
SHAFT E365T 6313-6313 TENV FINISH TURN
609141-100

CD0180







NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1