ABB BALDOR RELIANCE

Customer information packet

DRX36644T

60//50HP, 1785//1485RPM, 3PH, 60//50HZ, 364T
Class - CLI GP C,D
Division - Division I

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11/16/2026 9:23:49 AM

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
	50.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	UL
	CCSAUSEEV
	CSA
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
	70.000 A @ 380.0 V
	152.000 A @ 208.0 V
	140.000 A @ 230.0 V
	140.000 A @ 190.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4075
Layout	611742-772
Eff. date	07-28-2025
CD Diagram	CD0180
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	07-25-2025

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
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
Motor Standards	NEMA
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.48 IN
Power Factor	84
Product Family	DRILL RIG DUTY
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1485 rpm
	1785 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

000692000FX

000613006PC			
CLASS I GROUP	C D X	**NO.**	
CLASS II GROUP	X X X		
OPERATING TEMP CODE	T3C		

000901002AAA	
SUITABLE FOR OPERATION ON VPWM	INVERTER
EQUIPPED WITH IGBT DEVICES AND	CAPABLE OF
CARRIER FREQUENCY OF 2KHZ OR H	IGHER
SUIT FOR 55 DEG C AMB @ 1.0 SF	60 DEG C RISE
IP55 CONSTRUCTION	

NP2475L

CAT.NO.	DRX36644T			**SPEC NO.**	A36-5813-4075			**FRAME**	364T
HP	60//50	**PHASE**	3	**DESIGN**	B	**TYPE**	P		
RPM	1785//1485	**HZ**	60//50	**AMB**	40	**SF**	1.15		
VOLTS	230/460//190/380			**DUTY**	CONT			**INSUL.CLASS**	F
AMPS	140/70					**ENCL**	TEFC	**CODE**	G
DRIVE END BEARING	65BC03J30X					**NEMA-NOM-EFFICIENCY**	95		
OPP D.E. BEARING	65BC03J30X								
SER.NO.			VFD READY 4:1CT, 10:1VT ON						
	VPWM INVERTER AT 1.0 SF AND 60				-90 CHP			**MOTOR WEIGHT**	987

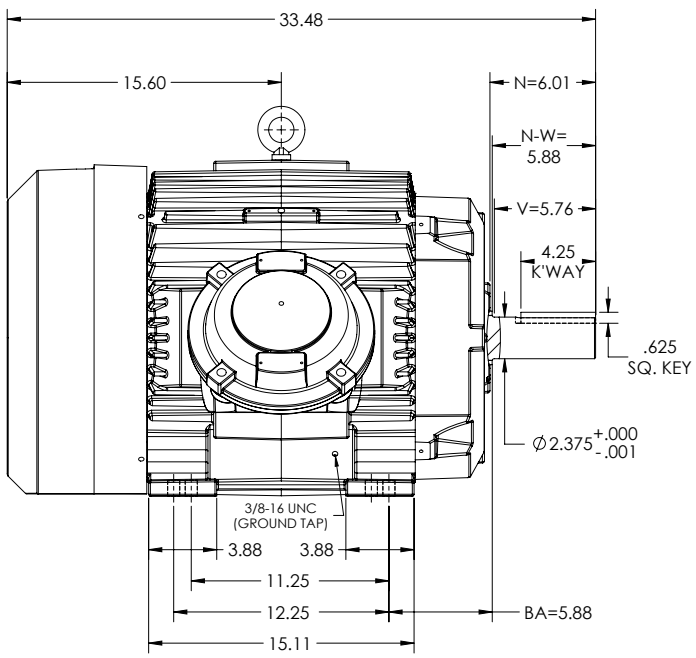
DUTY MASTER ALTERNATING CURRENT MOTORS

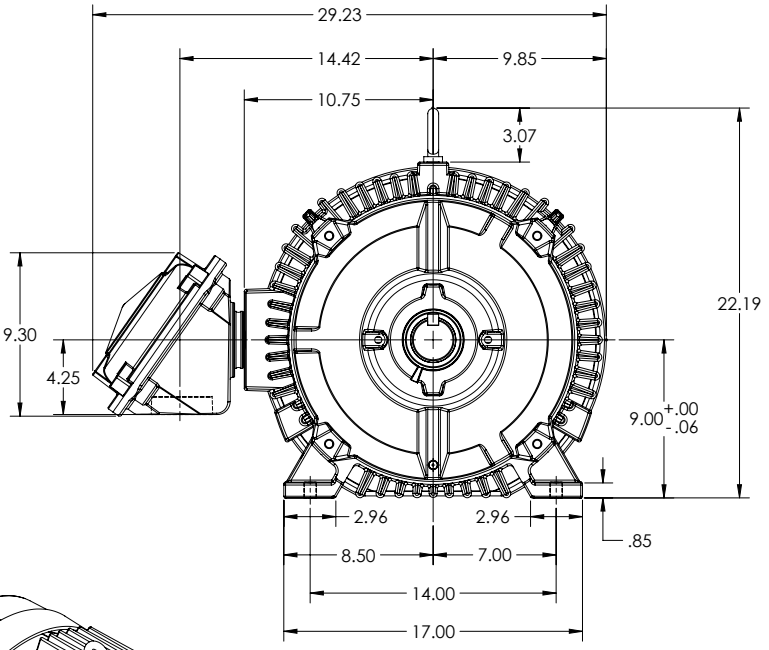
611742-772

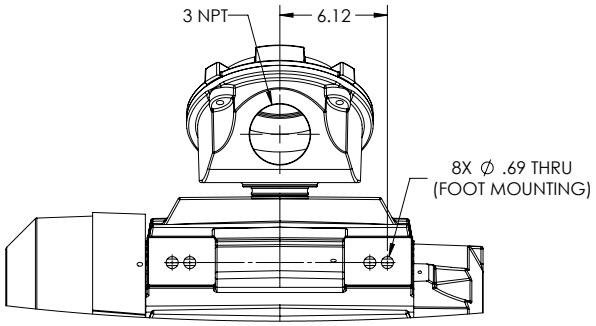
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

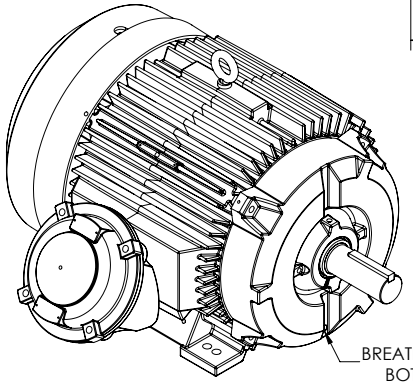
MOUNTING: FOOT, F-1 | E365T/E364T FRAME MOUNTING HOLES | UNDERWRITER MOTOR

DIV.1/CL.1/GRP. C & D









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

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

SHEET NUMBER 1 OF 1

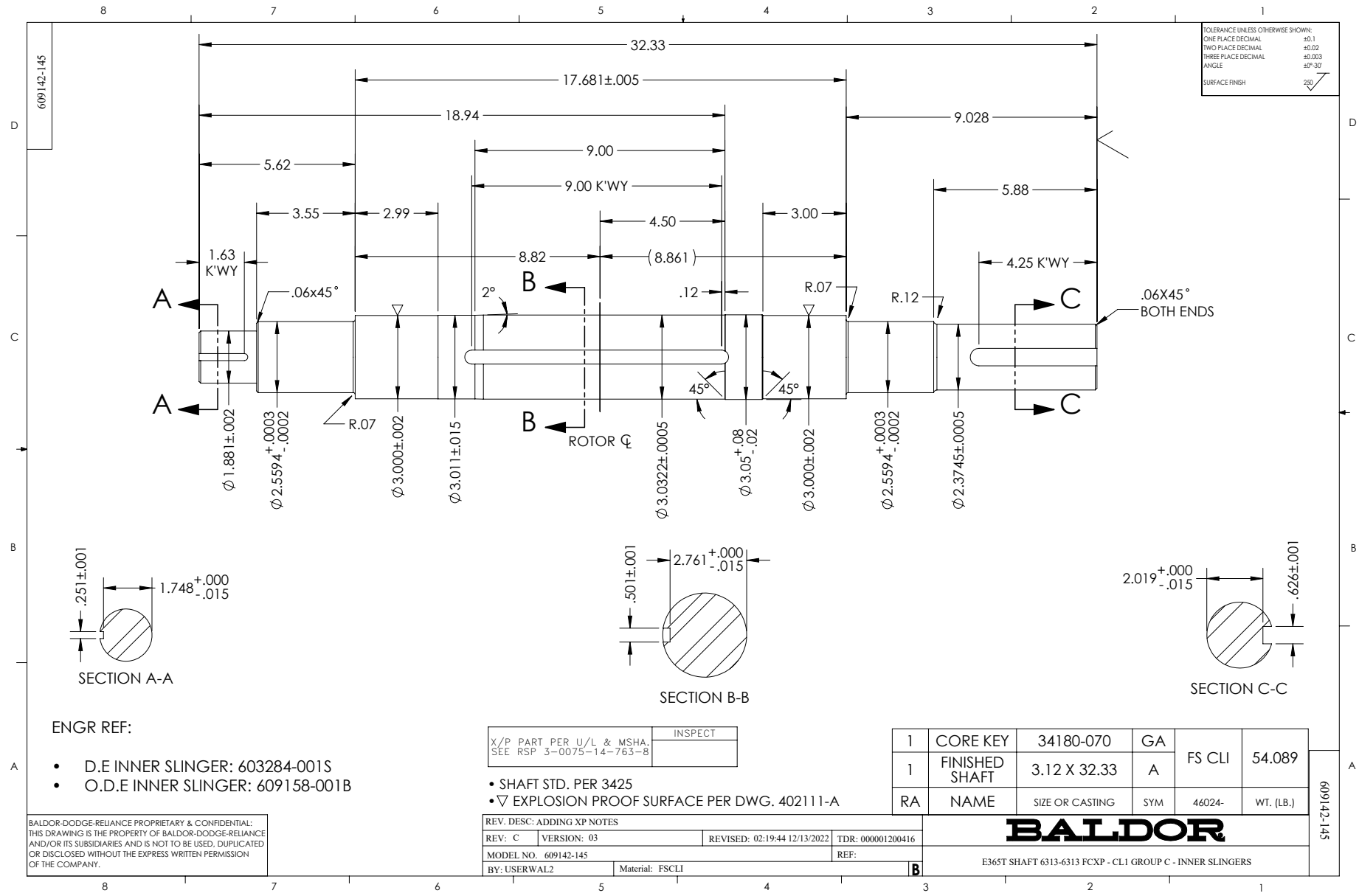
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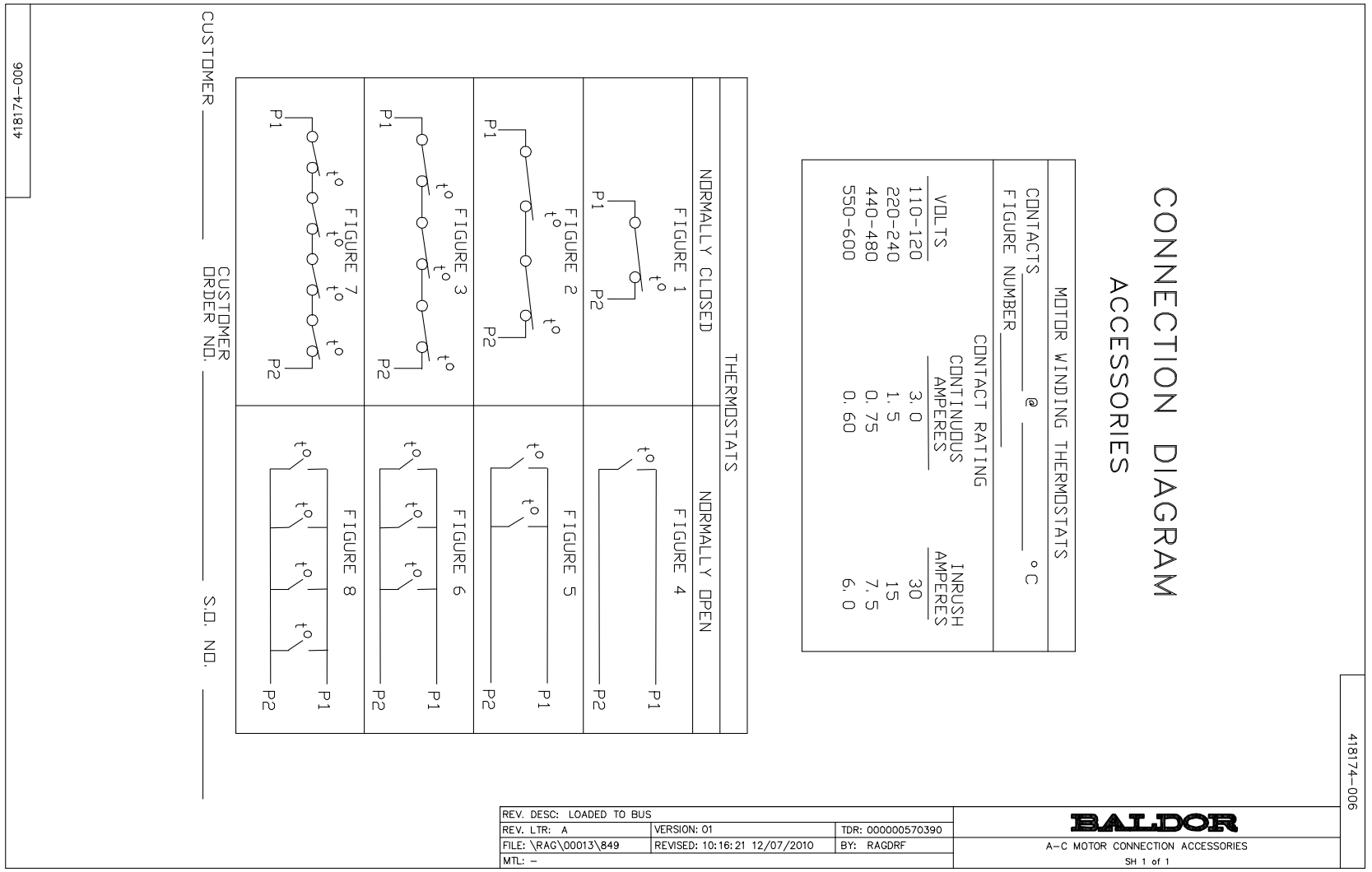
REV. DESC: NEW DRAWING			
REV: -	VERSION: 00	REVISED: 03:41:44 10/24/2018	TDR: 000001088043
MODEL NO. 611742-772			
BY: USJEDIL			C

BALDOR

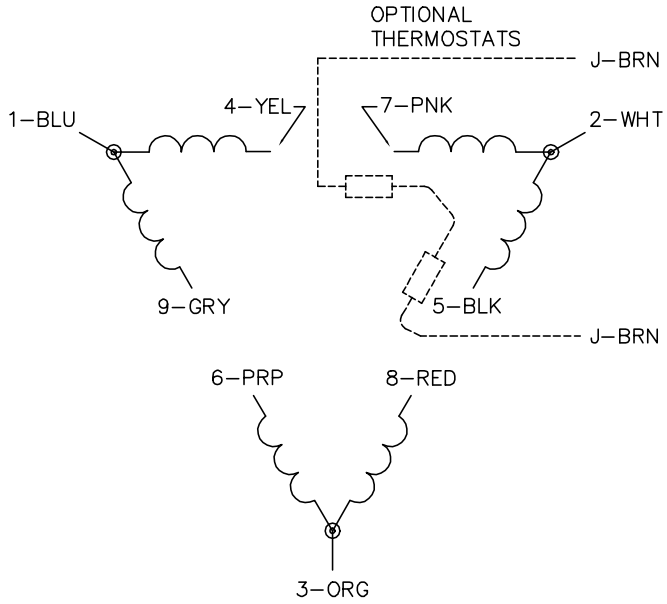
E365/364T FCXP F1 FOOT CAST IRON BOX/CL.1/GRP C & D/DRAINS

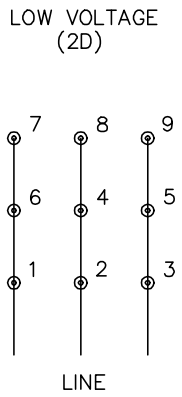
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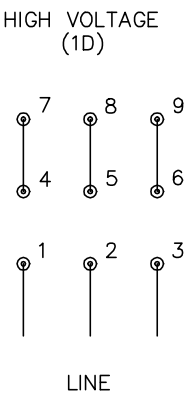

609142-145
TOLERANCE UNLESS OTHERWISE SHOWN:
ONE PLACE DECIMAL ±0.1
TWO PLACE DECIMAL ±0.02
THREE PLACE DECIMAL ±0.003
ANGLE ±0°-30'
SURFACE FINISH 250
32.33
17.681±.005
18.94
9.028
9.00
5.62
9.00 K'WY
5.88
3.55
2.99
4.50
3.00
1.63 K'WY
8.82
(8.861)
4.25 K'WY
.06x45°
2°
.12
R.07
R.12
.06X45° BOTH ENDS
45°
45°
R.07
ROTOR ℄
Ø1.881±.002
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
.251±.001
1.748 +.000 -.015
SECTION A-A
.501±.001
2.761 +.000 -.015
SECTION B-B
2.019 +.000 -.015
.626±.001
SECTION C-C
ENGR REF:
• D.E INNER SLINGER: 603284-001S
• O.D.E INNER SLINGER: 609158-001B
X/P PART PER U/L & MSHA. SEE RSP 3-0075-14-763-8
INSPECT
• SHAFT STD. PER 3425
• ▽ EXPLOSION PROOF SURFACE PER DWG. 402111-A
1 CORE KEY 34180-070 GA FS CLI 54.089
1 FINISHED SHAFT 3.12 X 32.33 A
RA NAME SIZE OR CASTING SYM 46024- WT. (LB.)
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REV. DESC: ADDING XP NOTES
REV: C VERSION: 03 REVISED: 02:19:44 12/13/2022 TDR: 000001200416
MODEL NO. 609142-145 REF:
BY: USERWAL2 Material: FSCLI B
BALDOR
E365T SHAFT 6313-6313 FCXP - CL1 GROUP C - INNER SLINGERS
609142-145


CONNECTION DIAGRAM
ACCESSORIES
MOTOR WINDING THERMOSTATS
CONTACTS @ °C
FIGURE NUMBER
CONTACT RATING
VOLTS
CONTINUOUS AMPERES
INRUSH AMPERES
110-120 3.0 30
220-240 1.5 15
440-480 0.75 7.5
550-600 0.60 6.0
418174-006
THERMOSTATS
NORMALLY CLOSED
NORMALLY OPEN
FIGURE 1
FIGURE 2
FIGURE 3
FIGURE 4
FIGURE 5
FIGURE 6
FIGURE 7
FIGURE 8
P1
P2
418174-006
CUSTOMER
CUSTOMER ORDER NO.
S.O. NO.
REV. DESC: LOADED TO BUS
REV. LTR: A
VERSION: 01
TDR: 000000570390
FILE: \RAG\00013\849
REVISED: 10:16:21 12/07/2010
BY: RAGDRF
MTL: -
BALDOR
A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1

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