ABB BALDOR RELIANCE

Customer information packet

SPM4407T-4

200HP, 1790RPM, 3PH, 60HZ, 447T, A44124M, TEFC
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

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11/15/2026 3:42:14 AM

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CURUSEEV NEMA PREMIUM NEMA_PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	224.000 A @ 460.0 V
Design Code	A
Duty Rating	CONT
Efficiency @ 100% Load	96.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	224.0 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6734
Layout	617435-192
Eff. date	12-26-2024
CD Diagram	416820-036
Poles	04
Leads	3#2/0 (02 per group) Y
Proprietary	False
Created date	10-09-2023

Motor Standards	NEMA
Motor Type	A44124M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	53.47 IN
Power Factor	87
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
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	None

Nameplate

NP4562L																			
CAT NO	SPM4407T-4			**SPEC NO.**	A44-5000-6734				**I.P.**	55								
HP	200	**AMPS**	227		**VOLTS**	460			**DESIGN**	A								
FRAME SIZE	449T	**RPM**	1790		**MAX RPM**	2700	**HZ**	60	**AMB**	40								
D.E. BRG.	90BC03J30X			**PH.3**	3	**DUTY**	CONT				**INSUL.CLASS**	F						
O.D.E. BRG.	90BC03J30X				**TYPE P**	P	**ENCL**	TEFC	**SF**	1.15	**CODE**	J						
POWER FACTOR	85		**MAX CORR KVAR**	43				**NEMA NOM EFFICIENCY**	96.5			**MOTOR WEIGHT**		**LBS**				
CL.I,DIV 2,GRP:	**A,B,C,D**	**T.CODE**	T3			**CL.1,ZONE 2,GRP:**			**IIA,IIB,IIC**	**T=**	200	**INVERTER T.CODE**	T3					
CL.II,DIV 2,GRP:	**F,G**	**T.CODE**	T3C			**CL II ZONE 22 GRPS IIIB**			**T=**	160	**INVERTER T.CODE**	T3C						
ID LOGO	**INV TYPE:**	**VPWM**	**CT**	30	**TO**	60	**VT**	3	**TO**	60	**CHP**	60	**TO**	90				
ID LOGO	**1.0 SF VPWM**	**WK2**	81.8		**LBFT2**	**SL HZ**	0.37		**MAG CUR**	74.5								
SER.NO.					**MEETS INTENT OF IEEE-45**				**FOR WEATHER PROTECTION**									

NP2496L
MOBIL POLYREX EM

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	200	P	3/60	1790	460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
227	CONT	40/F	1.15	A	J	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)
---	A44RC40124A00	---	---	.0127

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	74.5	1800	3.59	0
1/4	50.0	93.5	1797	53.2	94.1
2/4	100	130	1795	74.8	96.2
3/4	150	176	1792	82.4	96.6
4/4	200	227	1789	85.3	96.5
5/4	250	279	1786	87.1	96.3

SPEED TORQUE

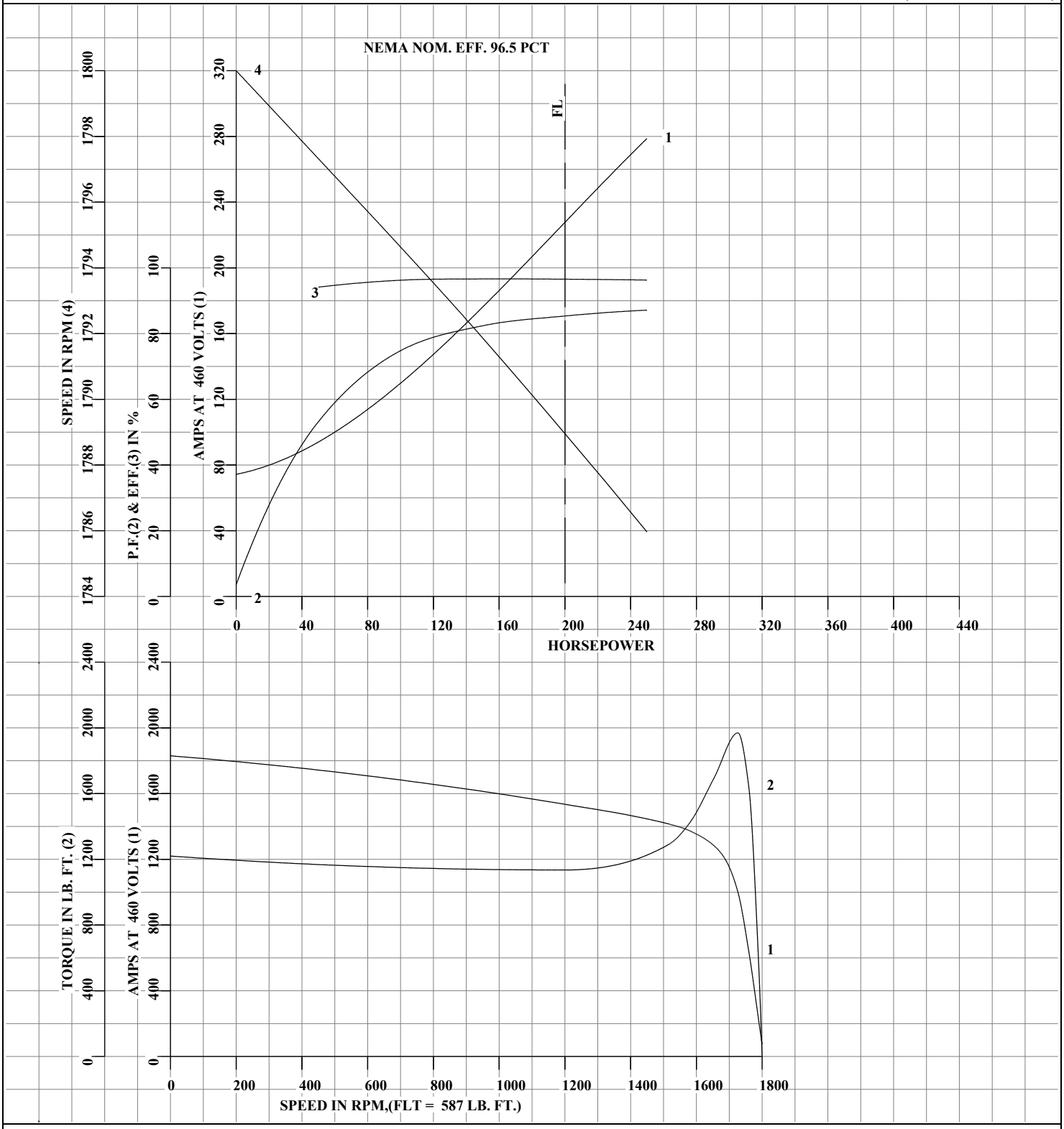
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	208	1220	1830
PULL UP	1200	193	1135	1535
BREAKDOWN	1726	335	1970	1000
FULL LOAD	1789	100	587	227

AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

TYPICAL DATA
NEMA NOM. EFF. 96.5 PCT

ABB	DRAWN BY: W. L. SMITH CHECKED BY: C.E.JAMISON APPROVED BY: W. L. SMITH DATE: 12/03/24	AC MOTOR PERFORMANCE DATA	A44WG6734-R002 DATE ISSUED 12/03/24

FRAME 449T	RPM 1790	S.F. 1.15	ROTOR A44RC40124A00
HP 200	VOLTS 460	NEMA DESIGN A	TEST S.O. TYPICAL DATA
TYPE P	AMPS 227	CODE LETTER J	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0127
	AMB °C / INSUL 40/F	E/S ---	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: W. L. SMITH CHECKED BY: C.E.JAMISON APPROVED BY: W. L. SMITH DATE: 12/03/24	AC MOTOR PERFORMANCE DATA	A44WG6734-R002 ISSUE DATE 12/03/24

DUTY MASTER ALTERNATING CURRENT MOTORS

617435-192

ENCLOSURE: TOTALLY ENCLOSED

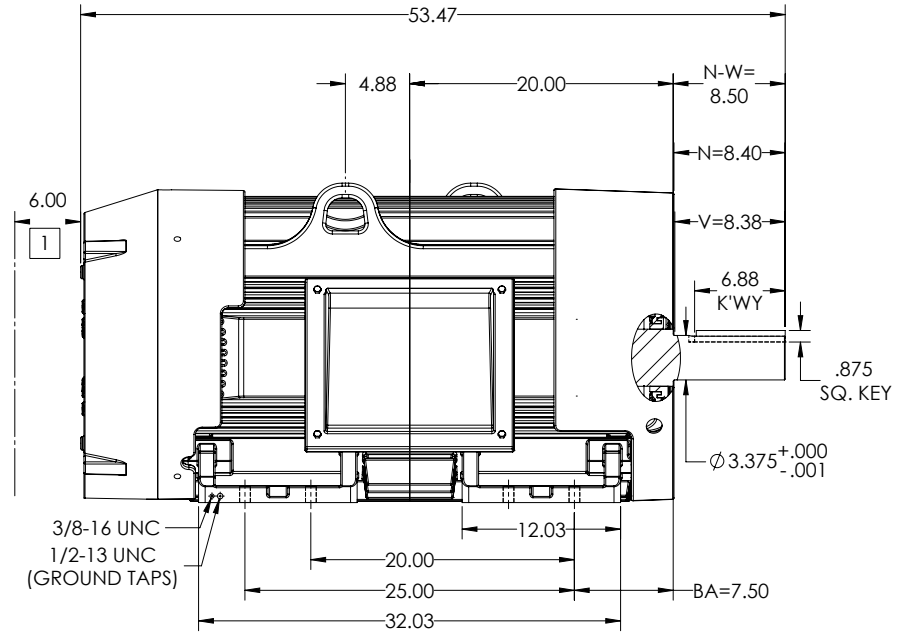
SQUIRREL-CAGE INDUCTION

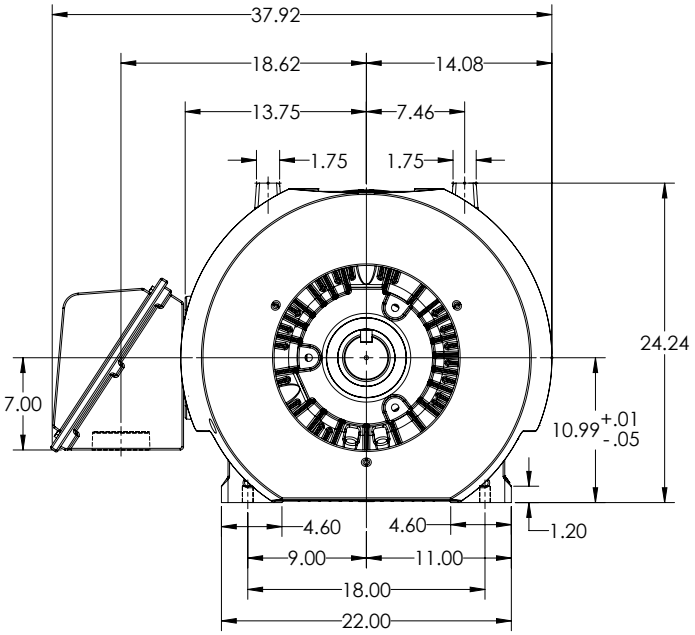
MOUNTING: FOOT, F-1 SIDE

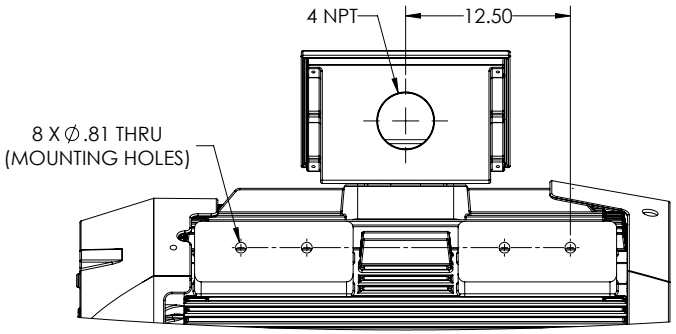
G449T/G447T FRAME MOUNTING HOLES

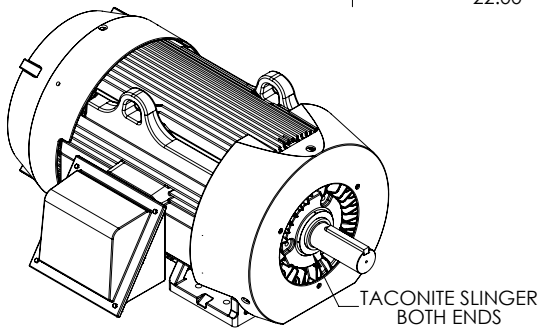
COOLING: FAN COOLED

TACONITE SLINGERS









1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

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.

DIMENSIONS ARE IN INCHES.
WEIGHT (LBS.) 3045. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

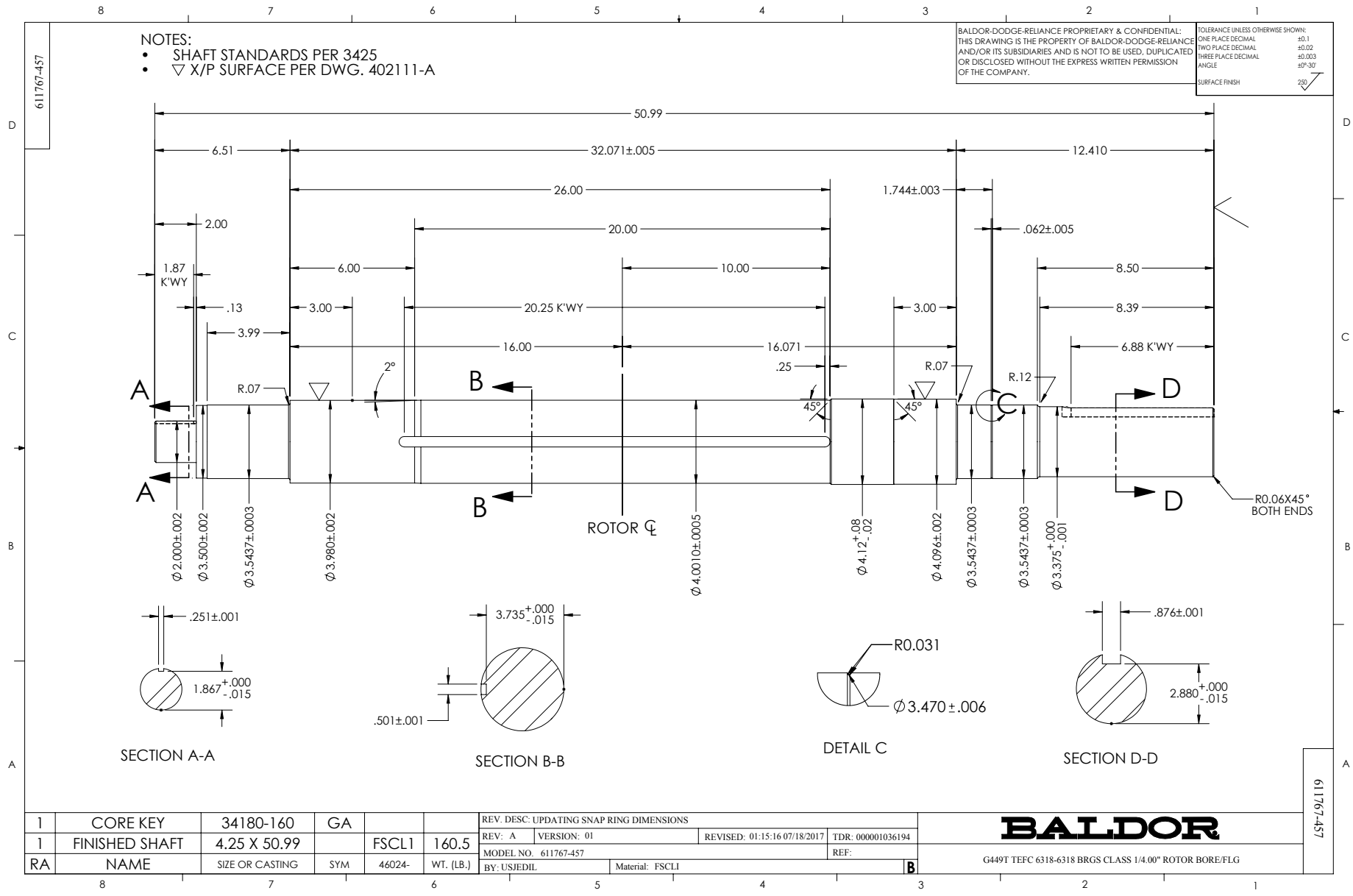
REV. DESC: UPDATE DS QUALITY			
REV: A	VERSION: 01	REVISED: 12:48:02 07/23/2020	TDR: 000001142487
MODEL NO. 617435-192			
BY: USJEDIL			C

BALDOR

G449/447T TEFC F1 FT CAST IRON CONDUIT BOX W/ TACONITE SEALS

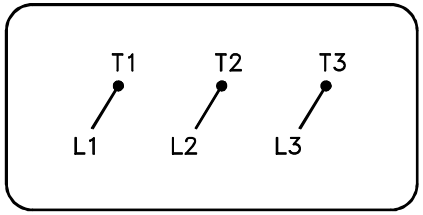
SHEET NUMBER 1 OF 1

617435-192


611767-457
NOTES:
• SHAFT STANDARDS PER 3425
• ▽ X/P SURFACE PER DWG. 402111-A
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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
50.99
6.51
32.071±.005
12.410
26.00
1.744±.003
2.00
20.00
.062±.005
1.87 K'WY
6.00
10.00
8.50
.13
3.00
20.25 K'WY
3.00
8.39
3.99
16.00
16.071
6.88 K'WY
.25
R.07
R.12
2°
45°
R.07
A
B
C
D
R0.06X45° BOTH ENDS
ROTOR ℄
Ø 2.000±.002
Ø 3.500±.002
Ø 3.5437±.0003
Ø 3.980±.002
Ø 4.0010±.0005
Ø 4.12 +.08 -.02
Ø 4.0960±.002
Ø 3.5437±.0003
Ø 3.5437±.0003
Ø 3.375 +.000 -.001
.251±.001
1.867 +.000 -.015
SECTION A-A
3.735 +.000 -.015
.501±.001
SECTION B-B
R0.031
Ø 3.470 ±.006
DETAIL C
.876±.001
2.880 +.000 -.015
SECTION D-D
1 CORE KEY 34180-160 GA
1 FINISHED SHAFT 4.25 X 50.99 FSCL1 160.5
RA NAME SIZE OR CASTING SYM 46024- WT. (LB.)
REV. DESC: UPDATING SNAP RING DIMENSIONS
REV: A VERSION: 01 REVISED: 01:15:16 07/18/2017 TDR: 000001036194
MODEL NO. 611767-457 REF:
BY: USJEDIL Material: FSCLI B
BALDOR
G449T TEFC 6318-6318 BRGS CLASS 1/4.00" ROTOR BORE/FLG
611767-457

416820–036

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575–BA)

416820–036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1