ABB BALDOR RELIANCE

Customer information packet

IDXM7566T-C

60HP, 1780RPM, 3PH, 60HZ, 364T, A36062M, TEFC
Class - CLI GP C,D; CLII GP F,G
Division - Division I

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11/11/2026 3:21:47 PM

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP F,G
Haz Area Division	Division I
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	CSA
	CSA EEV
	UL
	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	136.000 A @ 230.0 V
	68.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	68.0 a
Insulation Class	B

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A36WG1207
Layout	616512-504
Eff. date	02-10-2021
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	11-17-2014

Inverter Code	Inverter Ready
KVA Code	G
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	87
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	1780 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	C D X	**NO.**	
CLASS II GROUP	F G X		
OPERATING TEMP CODE	T3C		

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

NP3140L											
SPEC NO.	A36-5945-1207			**CAT.NO.**						**FRAME**	364T
HP	60	**VOLTS**	230/460	**PHASE**	3	**DESIGN**	B	**TYPE**	P		
RPM	1780	**AMPS**	136/68	**HZ**	60	**AMB**	40	**SF**	1.00		
DRIVE END BEARING	65BC03J30X			**DUTY**	CONT			**INSUL.CLASS**	F		
OPP D.E. BEARING	65BC03J30X			**ENCL**	TEFC	**CODE**	G				
SF	1.15	**WK2**	12.6	**MAG CUR**	40.2/20.1			**RPM MAX**	3600		
CT HZ	15-60	**VT HZ**	6-60	**CHP HZ**	60-90			**NEMA-NOM-EFF**	95		
	CL I,ZONE 1,GR IIA IIB,T3 VPW						M INVERTER				
SER.NO.				**MOTOR WEIGHT**							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60	P	3/60	1780	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
136/68	CONT	40/F	1.00	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
492281	418141035YE	---	---	.0277/.110

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	20.1	1800	4.67	0
1/4	15.0	25.8	1795	58.6	93.0
2/4	30.0	37.5	1791	78.7	95.2
3/4	45.0	51.9	1786	85.0	95.3
4/4	60.0	68.0	1781	87.0	95.0
5/4	75.0	85.1	1775	87.5	94.3

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	181	320	430
PULL UP	720	161	285	395
BREAKDOWN	1703	251	445	244
FULL LOAD	1781	100	177	68.0

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

REMARKS: TYPICAL DATA
XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.0 PCT.
GUARANTEED MIN. EFF. 94.5 PCT

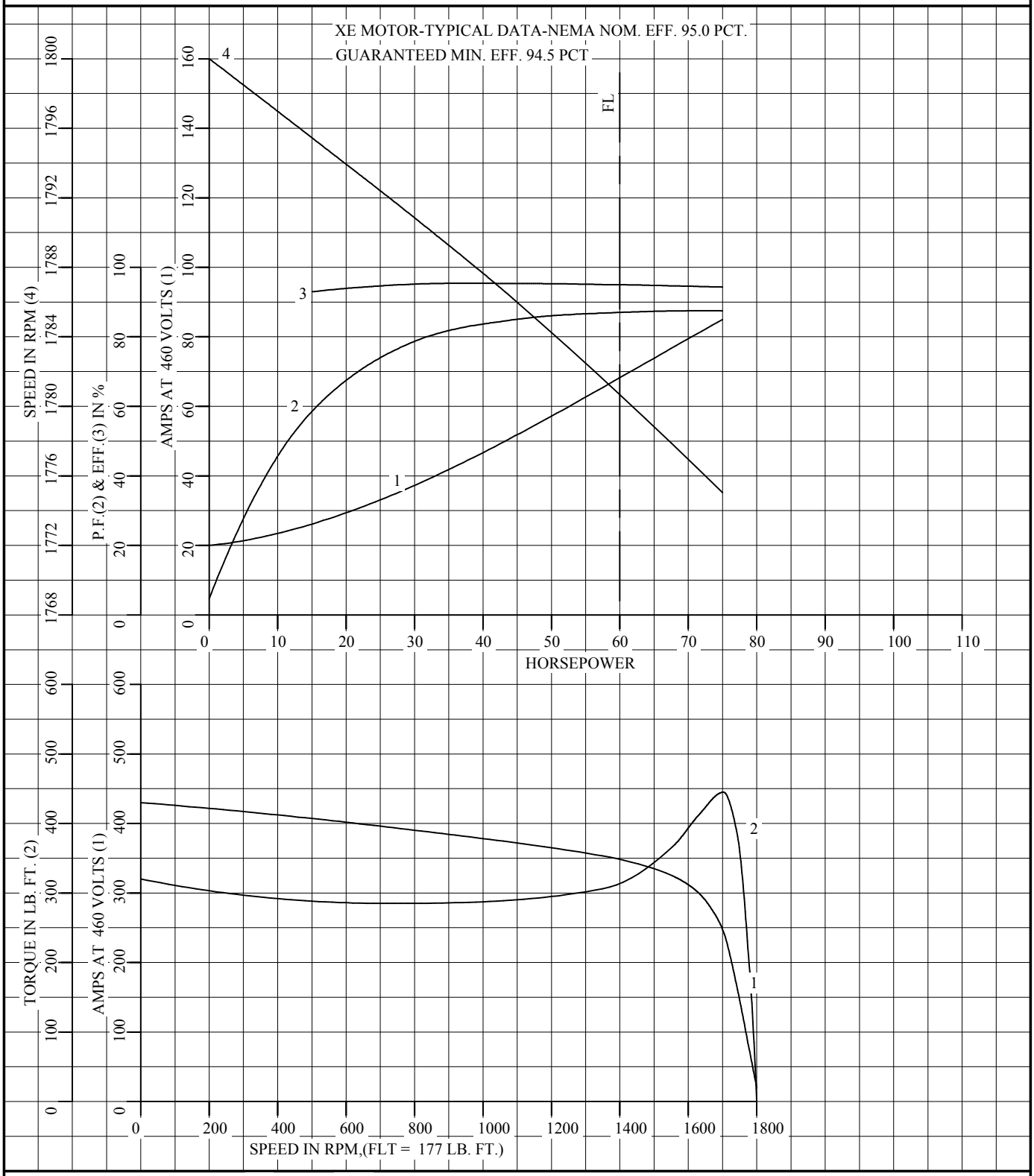
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 11/23/05

A-C MOTOR PERFORMANCE DATA

A36WG1207-R002
ISSUE DATE 01/16/20

REL S.O.		RPM	1780	S.F.	1.00	ROTOR	418141035YE
FRAME	364T	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	60	AMPS	136/68	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES.@ 25 °C	.0277/.110
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	492281		OHMS (BETWEEN LINES)



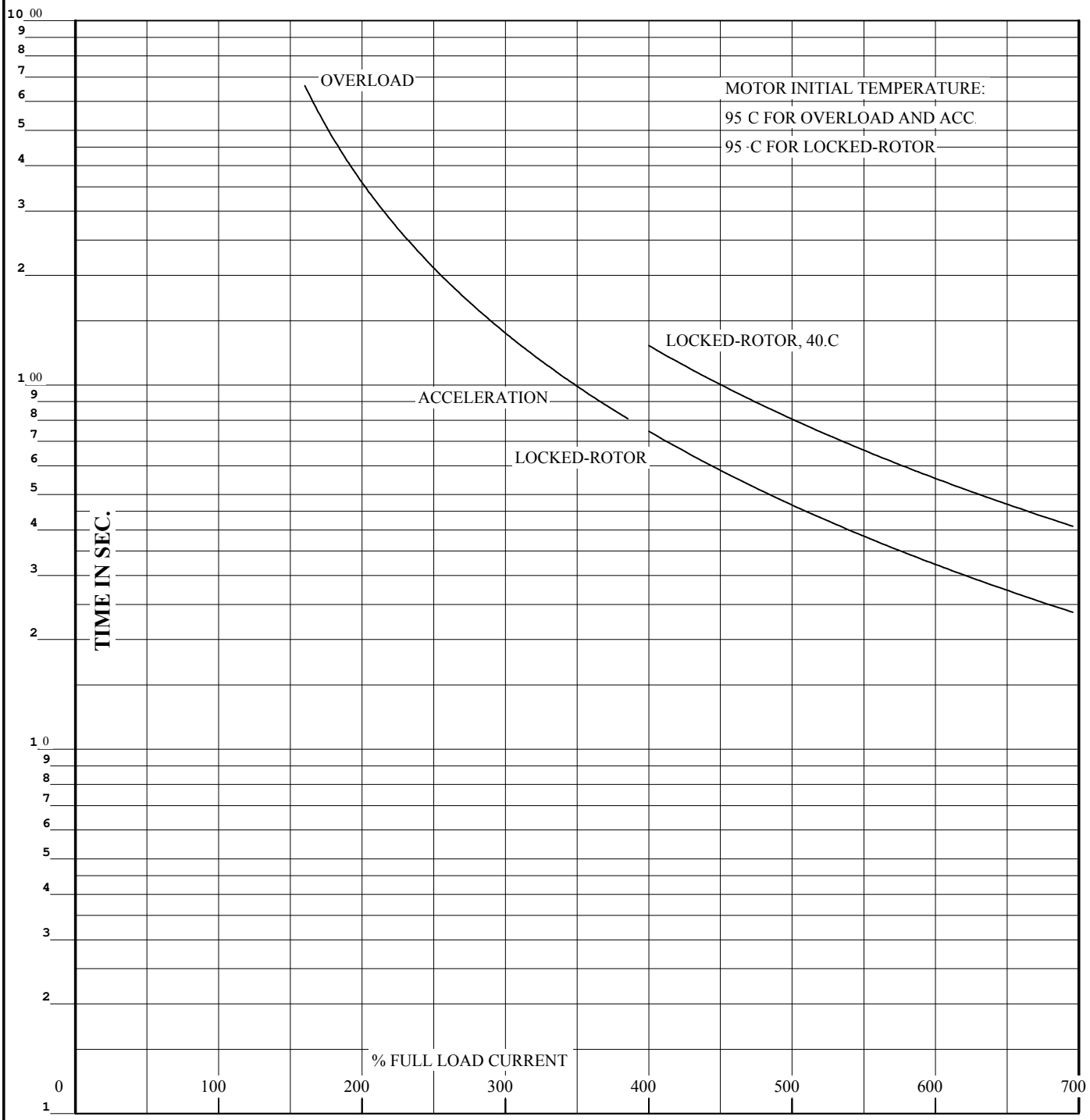
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	J.J.HARRISON
CK. BY	W.L.SMITH
APP. BY	W.L.SMITH
DATE	11/23/05

A-C MOTOR PERFORMANCE CURVES A36WG1207-R002 ISSUE DATE 01/16/20

REL. S.O.	RPM 1780	S.F. 1.00	ROTOR 418141035YE
FRAME 364T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 136/68	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0277/.110
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 492281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.0 PCT.

GUARANTEED MIN. EFF. 94.5 PCT

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

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DR. BY	J.J.HARRISON
CK. BY	W.L.SMITH
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DATE	11/23/05

A–C MOTOR PERFORMANCE CURVES

A36WG1207-R002

ISSUE DATE 01/16/20

616512-504

DUTY MASTER ALTERNATING CURRENT MOTORS

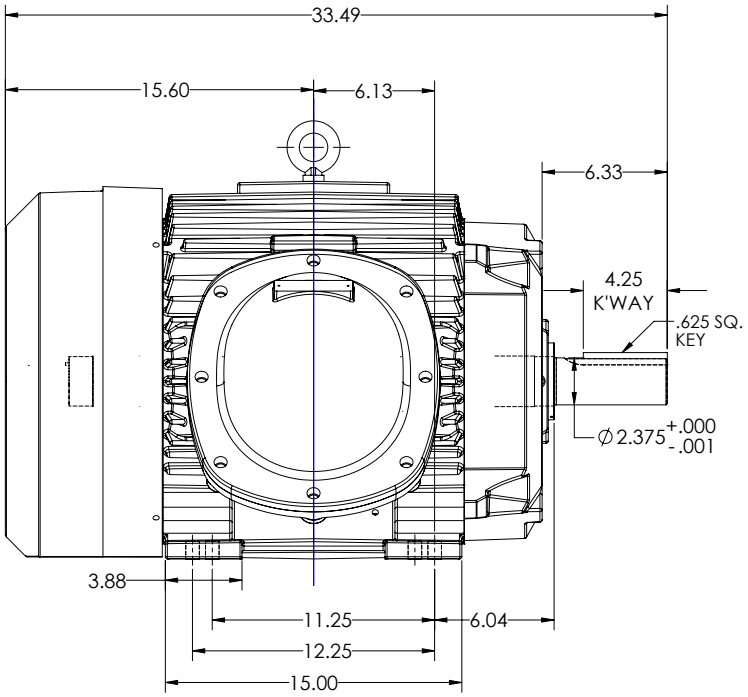
SQUIRREL-CAGE INDUCTION

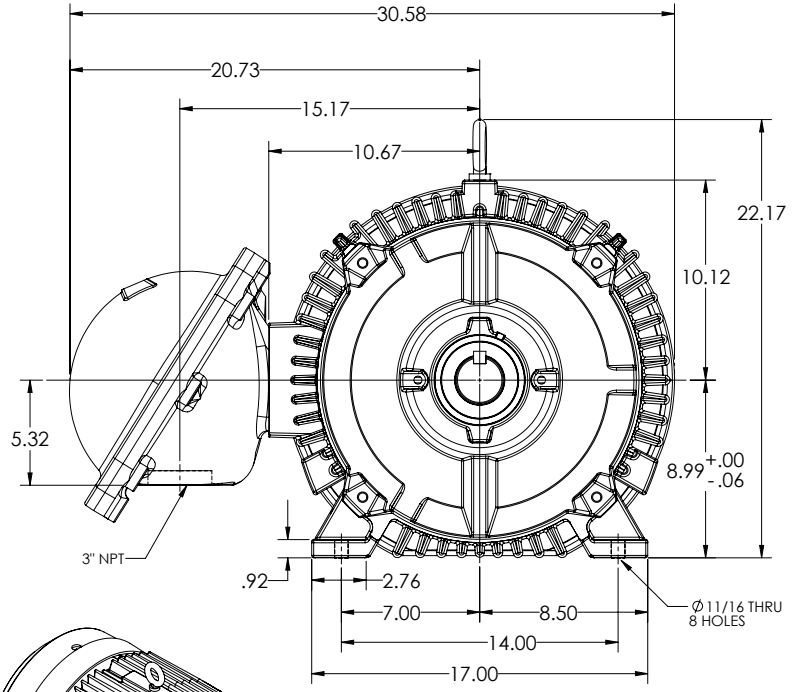
ENCLOSURE: TOTALLY ENCLOSED

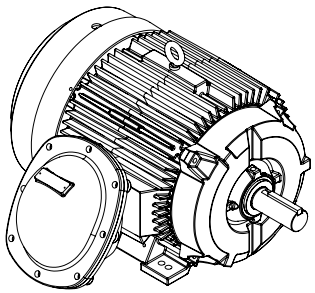
FRAME 365T
INCLUDES 364T FRAME MOUNTING HOLES

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

616512-504

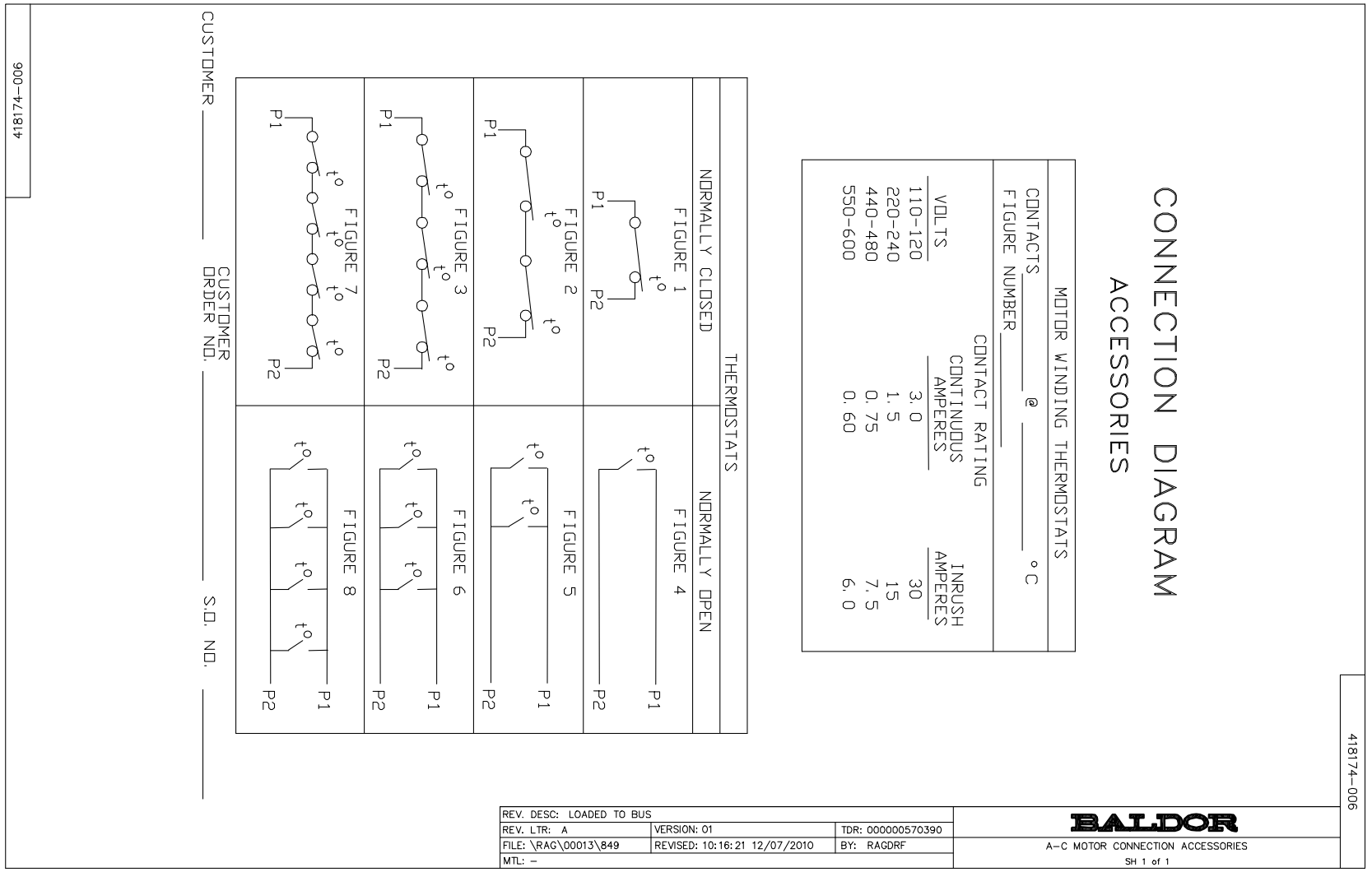
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .001" T.I.R.

REV. DESC: UPDATE D/S TO SHOW 3"NPT CALLOUT FOR C/B			
REV: A	VERSION: 01	REVISED: 08:14:59 11/18/2015	TDR: 000000953968
MODEL NO. 616512-504			
BY: RAGJSS1			C

BALDOR

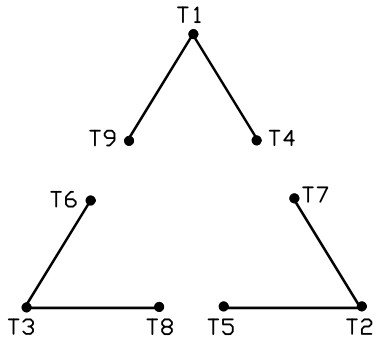
E365T 6313 FCXP W/BOLT ON COND BOX CL 1 GR C,D CL 2 GR F,G

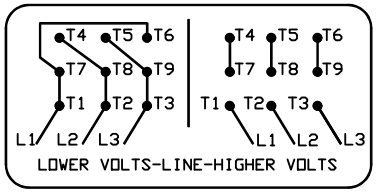
616512-504


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
THERMOSTATS
NORMALLY CLOSED
NORMALLY OPEN
FIGURE 1
FIGURE 2
FIGURE 3
FIGURE 4
FIGURE 5
FIGURE 6
FIGURE 7
FIGURE 8
P1
P2
CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____
418174-006
BALDOR
A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1
418174-006
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: -

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