ABB BALDOR RELIANCE

Customer information packet

ECP4310T-4

60HP, 3560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC
Class - CLI GP A,B,C,D
Division - Division II

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/13/2026 8:13:34 PM

Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	65.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	65.1 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	AC
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0130
Layout	617428-036
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	10-19-2010

KVA Code	F
Lifting Lugs	No Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.37 IN
Power Factor	90
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA

CAT #	ECP4310T-4			**SER**				**CC**	010A										
SPEC	P36G397			**RATING**	40C AMB-CONT														
HZ	**VOLTS**		**AMPS**		**RPM**	**HP**	**CODE**	-	**SF**		**DES**		**PF**		**NEMA NOM. EFF**				
60	460		65.1		3560	60	F		1.15		B		90	%	95	%			
														%		%			
PH	3	**CL**	F	**MAX RPM**	4500		**MAX CORR KVAR**	5											
BRG	**DE**	6313	**ODE**	6313	**ENCL**	TEFC	**FR**	364TS		**IP**	55								
GREASE	POLYREX EM						**MTR WT**	883	**LBS**										
		CL I DIV 2 GRPS A,B,C,D			**CL I ZONE 2 GRPS**			**IIA,IIB,IIC**			**TEMP T**	200	**C**						
INV READY	**CT**	0.7-60	**HZ**	1000:1	**VT**	0-60	**HZ**	1000:1	**CHP**	60-75	**HZ**	1.25:1							
INV TEMP CL	200	**C**	**USABLE AT**	50HZ 50HP 380V 66A						SF1.0									

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364	60	P	3/60	3560	460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
65.1	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)
491282	418141005XE	---	---	.101

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	14.1	3600	6.54	0
1/4	15.0	20.8	3590	72.8	93.1
2/4	30.0	33.4	3580	88.2	95.3
3/4	45.0	48.6	3570	90.7	95.5
4/4	60.0	65.1	3559	90.7	95.1
5/4	75.0	82.2	3547	90.3	94.5

SPEED TORQUE

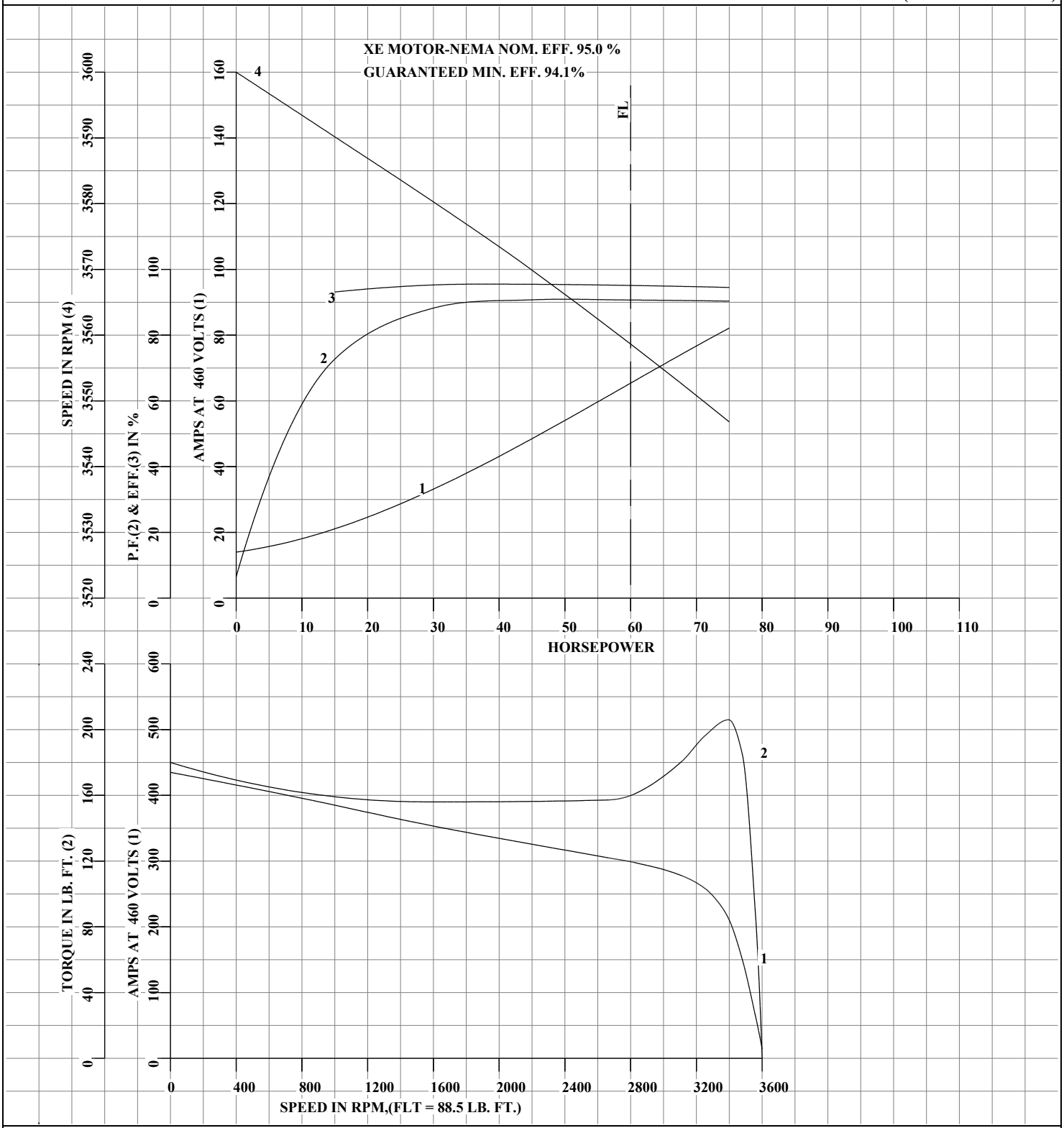
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	203	180	435
PULL UP	1565	176	156	355
BREAKDOWN	3397	233	206	212
FULL LOAD	3559	100	88.5	65.1

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

TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 95.0 %
GUARANTEED MIN. EFF. 94.1%

ABB	DRAWN BY: G. R. WEBB CHECKED BY: J.J.HARRISON APPROVED BY: E.J.CHRISTIAN DATE: 07/31/02	AC MOTOR PERFORMANCE DATA	A36WG0130-R006 DATE ISSUED 05/13/21

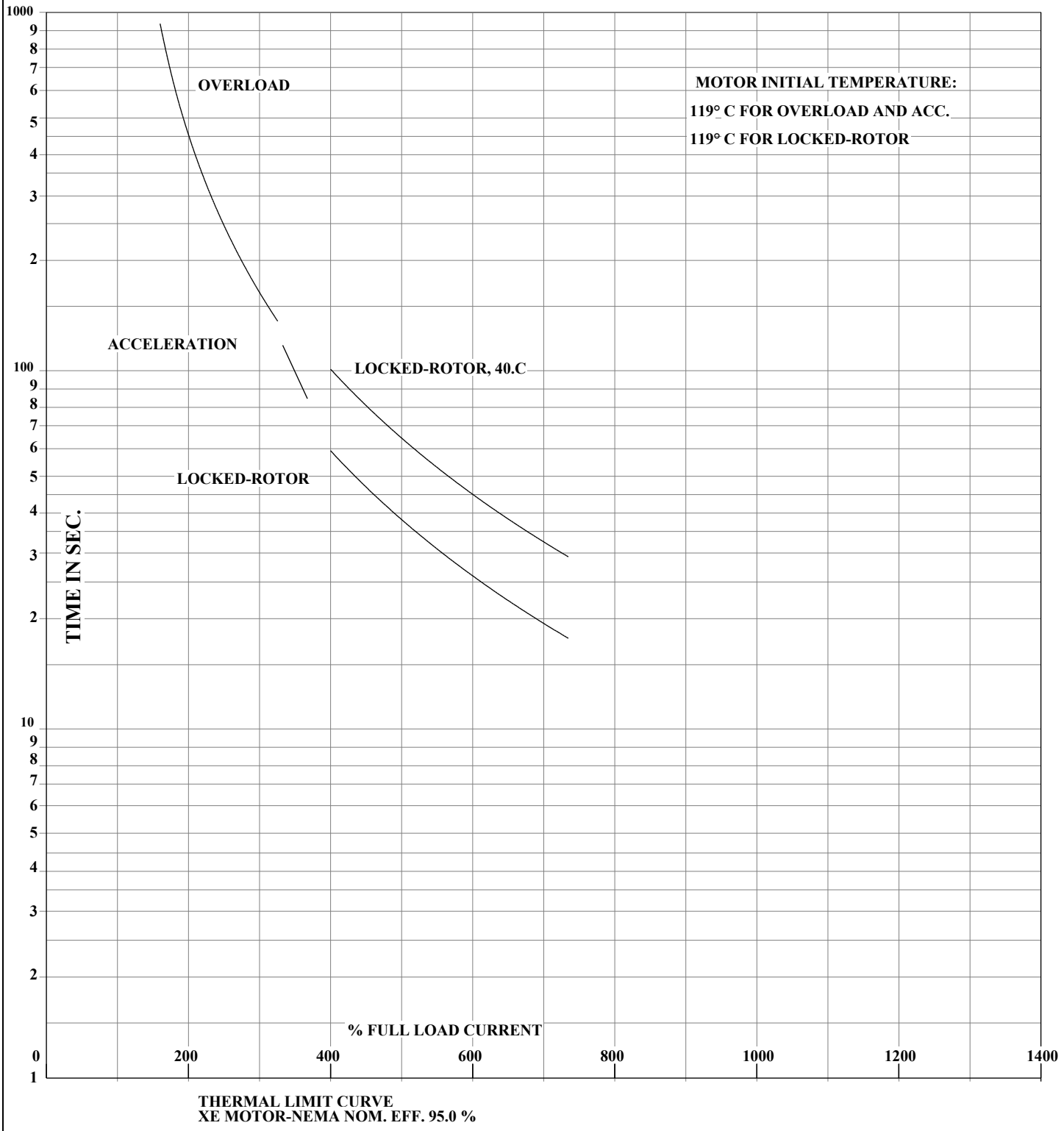
FRAME 364	RPM 3560	S.F. 1.15	ROTOR 418141005XE
HP 60	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 65.1	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .101
	AMB °C / INSUL 40/F	E/S 491282	OHMS (BETWEEN LINES)



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

ABB	DRAWN BY: G. R. WEBB CHECKED BY: J.J.HARRISON APPROVED BY: E.J.CHRISTIAN DATE: 07/31/02	AC MOTOR PERFORMANCE DATA	A36WG0130-R006 ISSUE DATE 05/13/21

FRAME 364	RPM 3560	S.F. 1.15	ROTOR 41814H005XE
HP 60	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 65.1	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .101
	AMB °C / INSUL 40/F	E/S 491282	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 95.0 %

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

ABB	DRAWN BY: G. R. WEBB CHECKED BY: J.J.HARRISON APPROVED BY: E.J.CHRISTIAN DATE: 07/31/02	AC MOTOR PERFORMANCE DATA	A36WG0130-R006 ISSUE DATE 05/13/21

617428-036

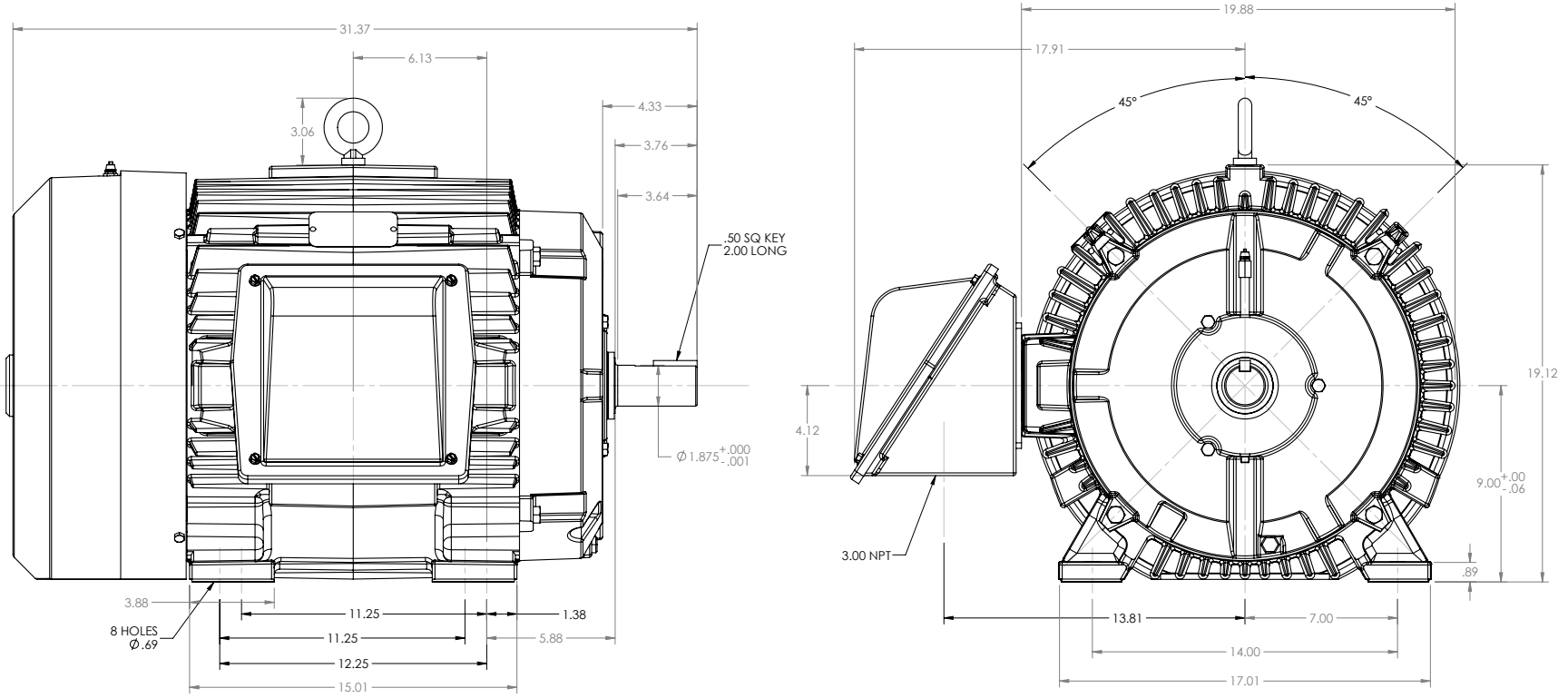
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 364TS-365TS

COOLING: FAN COOLED



MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

WEIGHT (LBS): 364TS = 859
365TS = 884

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: UPDATING SHAFT AND CORRECTING BA DIMENSION			
REV: A	VERSION: 01	REVISED: 11:06:08 03/28/2014	TDR: 000000846122
MODEL NO. 617428-036			REF:
BY: RAGJSS1			B

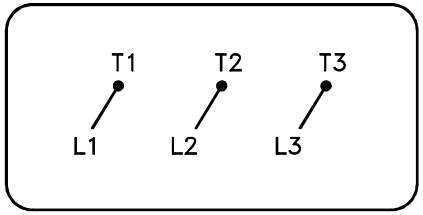
BALDOR

DIM SHEET HOR 364-5TS TEFC XT

617428-036

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