ABB BALDOR RELIANCE

Customer information packet

ECP84409T-5

100HP, 1190RPM, 3PH, 60HZ, 444T, A44064M, 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.
11/11/2026 2:05:42 PM

Specifications

Enclosure	TEFC
Frame	444T
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	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US
	UR
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	95.000 A @ 575.0 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	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	95.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4105
Layout	617434-660
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	06
Leads	3#2
Proprietary	False
Created date	03-04-2022

Motor Standards	None
Motor Type	A44064M
Mounting Arrangement	F1
No Load Current	31.9 a
Number of Poles	6
Overall Length	44.97 IN
Power Factor	82
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	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

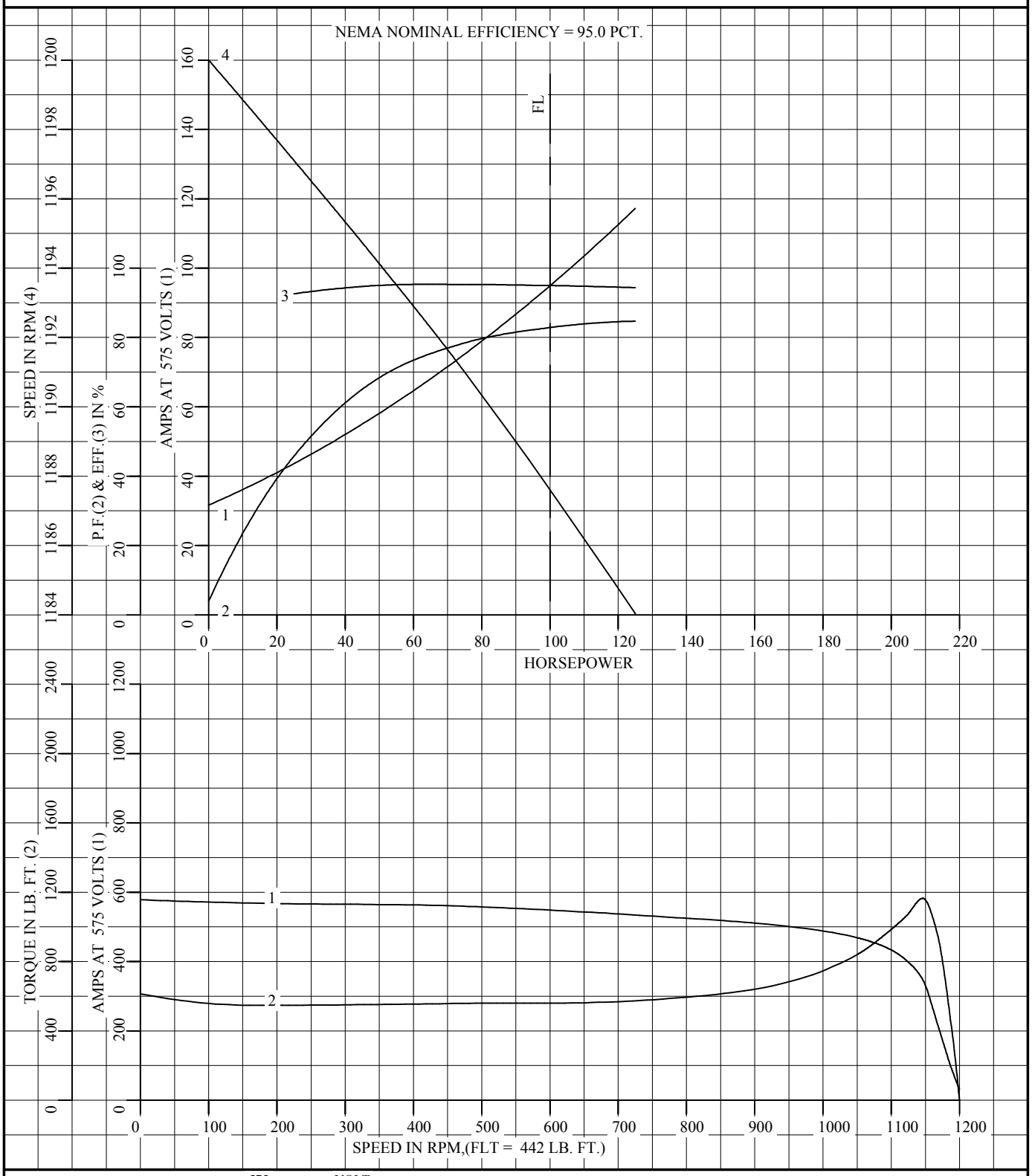
NP4566											
CAT NO	ECP84409T-5	**SPEC NO.**	A44-0000-4105								
HP	100	**AMPS**	95	**VOLTS**	575	**DESIGN**	B				
FRAME SIZE	444T	**RPM**	1190	**HZ**	60	**AMB**	40	**SF**	1.15		
D.E. BRG.DATA	6318	**O.D.E. BRG.DATA**	6318	**PH**	3	**DUTY**	CONT	**INSUL.CLASS**	F		
D.E. BRG.	90BC03J30X	**TYPE ENCL**	TEFC	**CODE**	G						
O.D.E. BRG.	90BC03J30X	**POWER FACTOR**	82	**NEMA-NOM-EFFICIENCY**	95						
3/4 LOAD EFF.	95.2	**IP**	56	**MAX CORR KVAR**	27	**GUARANTEED EFFICIENCY**	94.1				
TEMP CODE	T3	**TEMP =**	200								
CHP HZ	60-90	**CT HZ**	15-60	**VT HZ**	0-60						
INVERTER-TEMP-CODE	T3										
SER.NO.		**MOTOR WEIGHT**									

000613007EX					
CAT NO	ECP84409T-5	**SPEC NO.**	A44-0000-4105		
NO. ROTOR BARS	71	**GREASE TYPE**	POLYREX EM		
NO. SLOTS	90	**NL AMPS AT RATED VOLTAGE**		31.9	
5 YEAR WARRANTY		**WINDING RES @25 C**	0.0839	**OHMS**	
MFG. DATE		**SER.NO**			

ABB BALDOR RELIANCE

CUSTOMER INFORMATION PACKET ECP84409T-5 - 100HP, 1190RPM, 3PH, 60HZ, 444T, A44064M, TEFC

FRAME 444T	RPM 1190	S.F. 1.15	ROTOR 418143098VE
HP 100	VOLTS 575	NEMA DESIGN B	TEST S.O. CALCULATED DATA
TYPE P	AMPS 95.2	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE FCXE	STATOR RES.@ 25 ℃ .0855
	AMB ℃/INSUL 40/F	E/S 497820	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 575 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. P. TSAO
CK. BY	W. L. SMITH
APP. BY	W. L. SMITH
DATE	10/26/11

A-C MOTOR PERFORMANCE CURVES A44WG4105-R001 ISSUE DATE 10/26/11

Printed on 10/26/11 17:38 @ ragsun

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	100	P	3/60	1190	575

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
95.2	CONT	40/F	1.15	B	G	FCXE

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
497820	418143098VE	---	---	.0855

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	31.5	1200	4.00	0
1/4	25.0	44.2	1197	45.8	92.6
2/4	50.0	57.7	1194	68.4	95.0
3/4	75.0	75.2	1191	78.4	95.3
4/4	100	95.2	1188	82.9	95.0
5/4	125	117	1184	84.7	94.4

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	139	614	578
PULL UP	168	124	548	568
BREAKDOWN	1146	263	1165	347
FULL LOAD	1188	100	442	95.2

AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: CALCULATED DATA
NEMA NOMINAL EFFICIENCY = 95.0 PCT.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J. P. TSAO
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 10/26/11

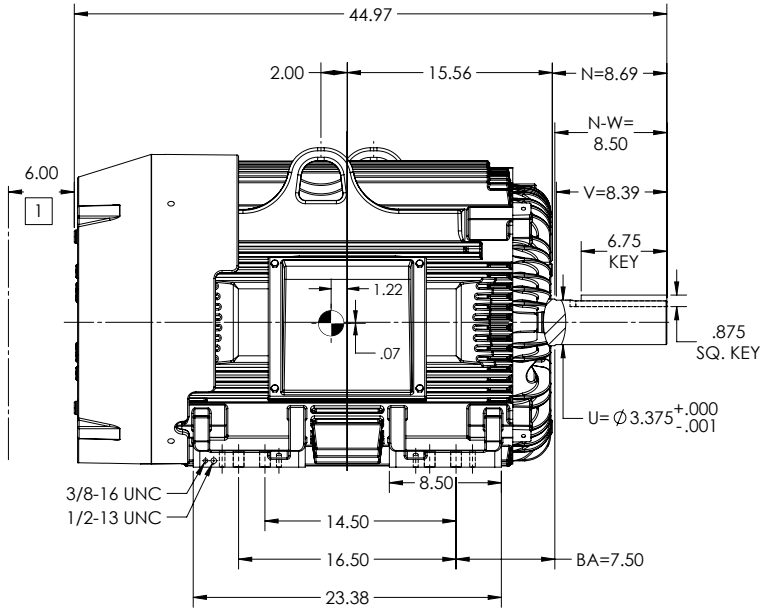
A-C MOTOR PERFORMANCE DATA A44WG4105-R001
ISSUE DATE 10/26/11

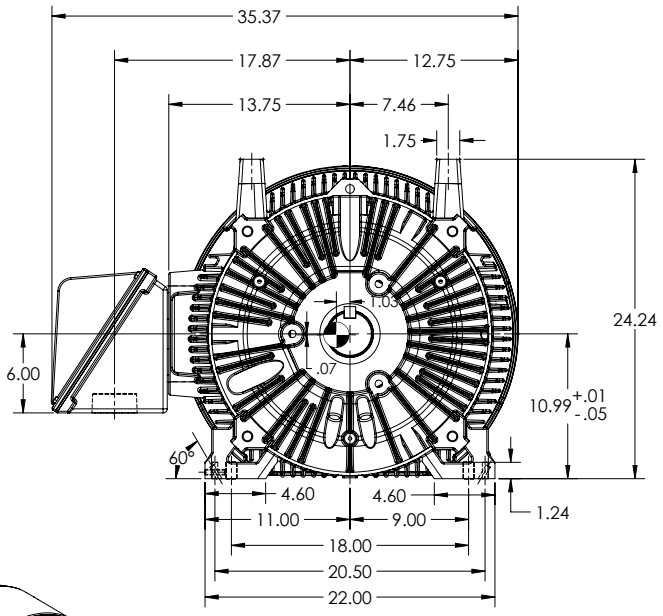
DUTY MASTER ALTERNATING CURRENT MOTORS

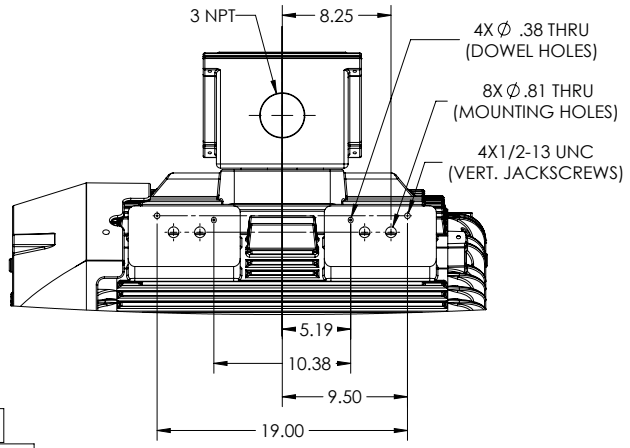
617434-660

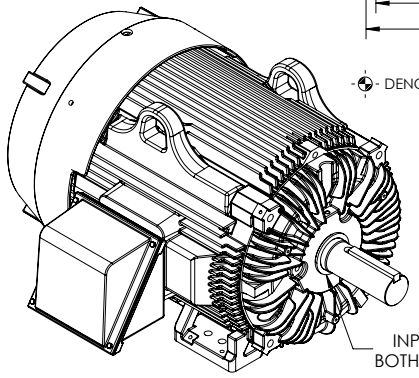
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 SIDE | G445T/G444T FRAME MOUNTING HOLES CENTER OF GRAVITY | 841-XL ENHANCEMENT









⊕ - DENOTES CENTER OF GRAVITY WHICH VARIES BY ±1.00 INCH

1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

DIMENSIONS ARE IN INCHES.
MOTOR WEIGHTS (LBS) = 2130 ±15% DEPENDING ON RATING.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .0015 T.I.R.(BALL) OR .002 T.I.R.(ROLLER)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 2

617434-660

REV. DESC: ADD CENTER GRAVITY			
REV: C	VERSION: 03	REVISED: 08:56:38 03/10/2020	TDR: 000001134943
MODEL NO. 617434-660			REF:
BY: RAGGDM	Material:	C	BALDOR

G445/444T TEFC F1 FTD/CI BX/JACKSCREWS/DOWEL PINS/INPROS/CG

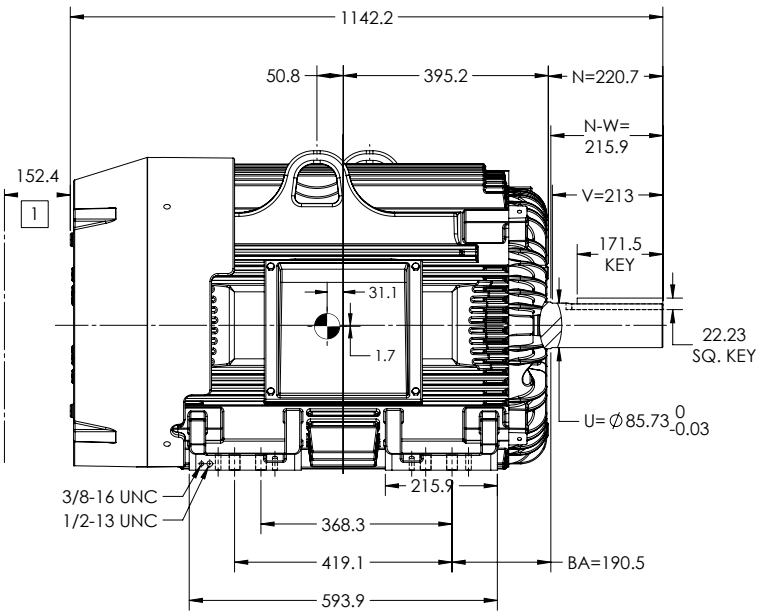
617434-660

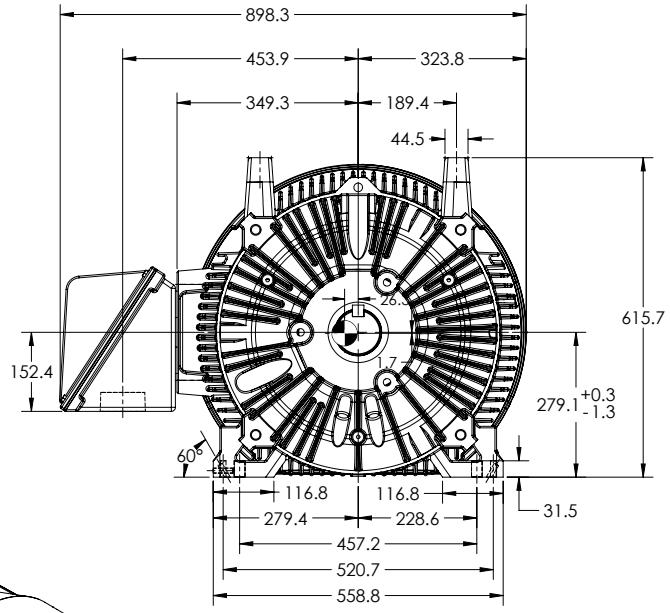
DUTY MASTER ALTERNATING CURRENT MOTORS

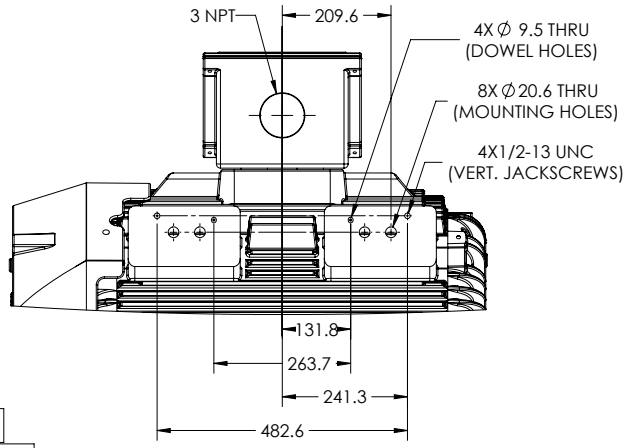
617434-660

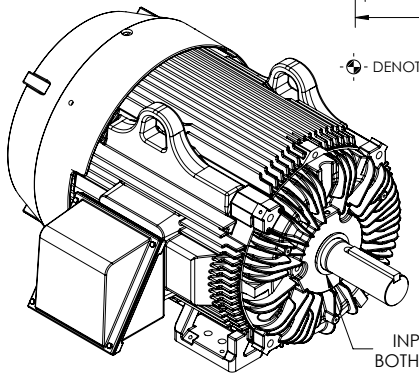
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 SIDE | G445T/G444T FRAME MOUNTING HOLES CENTER OF GRAVITY | 841-XL ENHANCEMENT









⊕ - DENOTES CENTER OF GRAVITY WHICH VARIES BY ±1.00 INCH

1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

DIMENSIONS ARE IN MILLIMETERS.
MOTOR WEIGHTS (KGS) = 970 ±15% DEPENDING ON RATING.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .04 T.I.R.(BALL) OR .05 T.I.R.(ROLLER)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 2 OF 2

617434-660

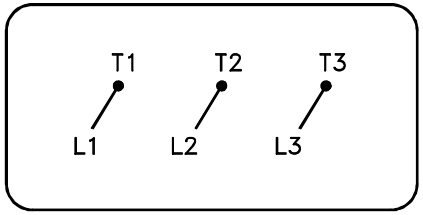
REV. DESC: ADD CENTER GRAVITY			
REV: C	VERSION: 03	REVISED: 08:56:38 03/10/2020	TDR: 000001134943
MODEL NO. 617434-660			REF:
BY: RAGGDM	Material:	C	G445/444T TEFC F1 FTD/CI BX/JACKSCREWS/DOWEL PINS/INPROS/CG

BALDOR

617434-660

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