ABB BALDOR RELIANCE

Customer information packet

ECP4411T-5

125HP, 1190RPM, 3PH, 60HZ, 445T, TEFC, F1

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Specifications

Enclosure	TEFC
Frame	445T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	116.000 A @ 575.0 V
Design Code	B
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	116.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	44.97 IN

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2122
Layout	617435-945
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	06
Leads	3#2
Proprietary	False
Created date	10-01-2019

Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

NP2496L
MOBIL POLYREX EM

000901002AAA
IP55 CONSTRUCTION

NP3238												
CAT NO	ECP4411T-5	**SPEC NO.**	A44-8639-2122									
HP	125	**AMPS**	116	**VOLTS**	575	**DESIGN**	B					
FRAME	445T	**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**	P	**ENCL**	TEFC	**CODE**	G					
O.D.E. BRG.	90BC03J30X	**POWER FACTOR**	85	**NEMA NOM EFFICIENCY**	95							
3/4 LOAD EFF.	95.1	**MAX CORR KVAR**	28.0	**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**										

Parts List

Part number	Description	Quantity
SA374839	SA A44-8639-2122	1.000 ea
RA364715	RA A44-8639-2122	1.000 ea
421948051	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
000901002AAA	N/P BLANK (RELEASE QTY 1,500)	1.000 ea
LB1449	DIV-2/NEC WARNING LABEL	1.000 ea
NP3238	SS CP XEX SEVERE DUTY MAIN NP,CURUS EEV	1.000 ea
412118006A	DRAIN	2.000 ea
034690005AB	PPLG 3/4 PLATED	1.000 ea
089490099A	G28 BRKT 089490098WCA KB	1.000 ea
415072001B	CLAMP	1.000 ea
083199082A	G28 Fan cover machining	1.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
078557001E	FAN 440 078557001F	1.000 ea
004824015A	GREASE POLYREX EM	1.160 lb
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415045002A	SLGR	1.000 ea
410700004A	WSHR	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea

034530044BB	P/NIP 1/4X5-1/2L PLT	1.000 ea
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
089490099A	G28 BRKT 089490098WCA KB	1.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
415045002A	SLGR	1.000 ea
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
415915007K	GASK, 26" LAC	1.000 ea
076863000C	+CBCST BLKT - 440	1.000 ea
406056007A	GASKET, 440	1.000 ea
076864000A	*MFC MOVE* CBCST BLKT - 440	1.000 ea
067053001C	GASK 440	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.440 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
604797045	STD. 400 FRAME SKID	1.000 ea
032510024D	CARRIAGE BOLT - 444	2.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea

033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	125	P	3/60	1190	575

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

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
-	418143080GE	---	---	.0639

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	34.3	1200	5.68	0
1/4	31.3	44.6	1198	57.4	91.7
2/4	62.5	64.2	1195	77.1	94.6
3/4	93.7	88.6	1192	83.2	95.1
4/4	125	116	1190	85.2	95.0
5/4	156	144	1186	86.1	94.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	141	775	725
PULL UP	180	126	695	720
BREAKDOWN	1146	279	1537	390
FULL LOAD	1190	100	551	116

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

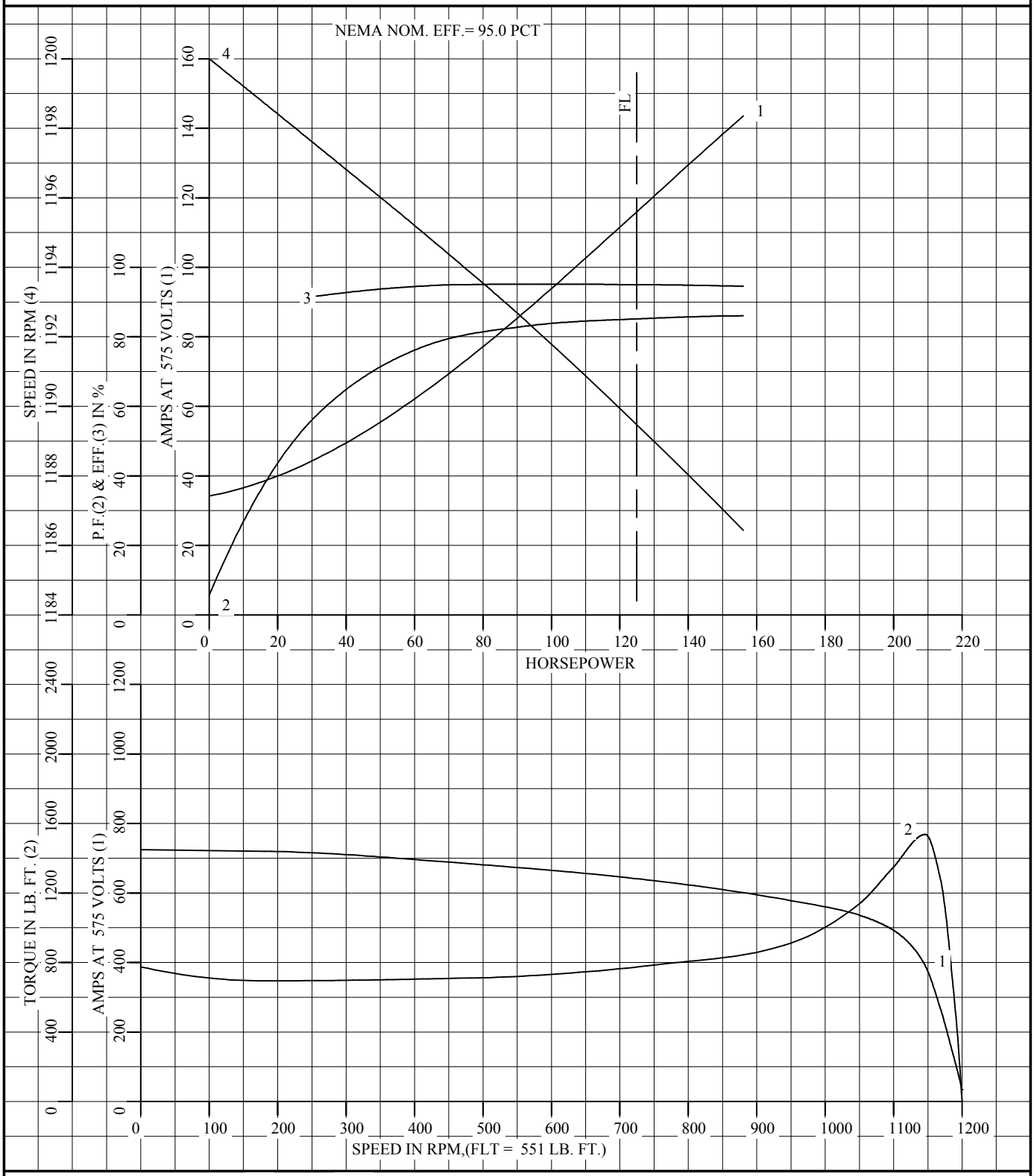
REMARKS: TYPICAL DATA
NEMA NOM. EFF.= 95.0 PCT

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C.E.JAMISON
APP. BY W. L. SMITH
DATE 10/16/18

A-C MOTOR PERFORMANCE DATA A44WG2122-R012
ISSUE DATE 05/05/21

REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418143080GE
FRAME 445T	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125	AMPS 116	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0639
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S –	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

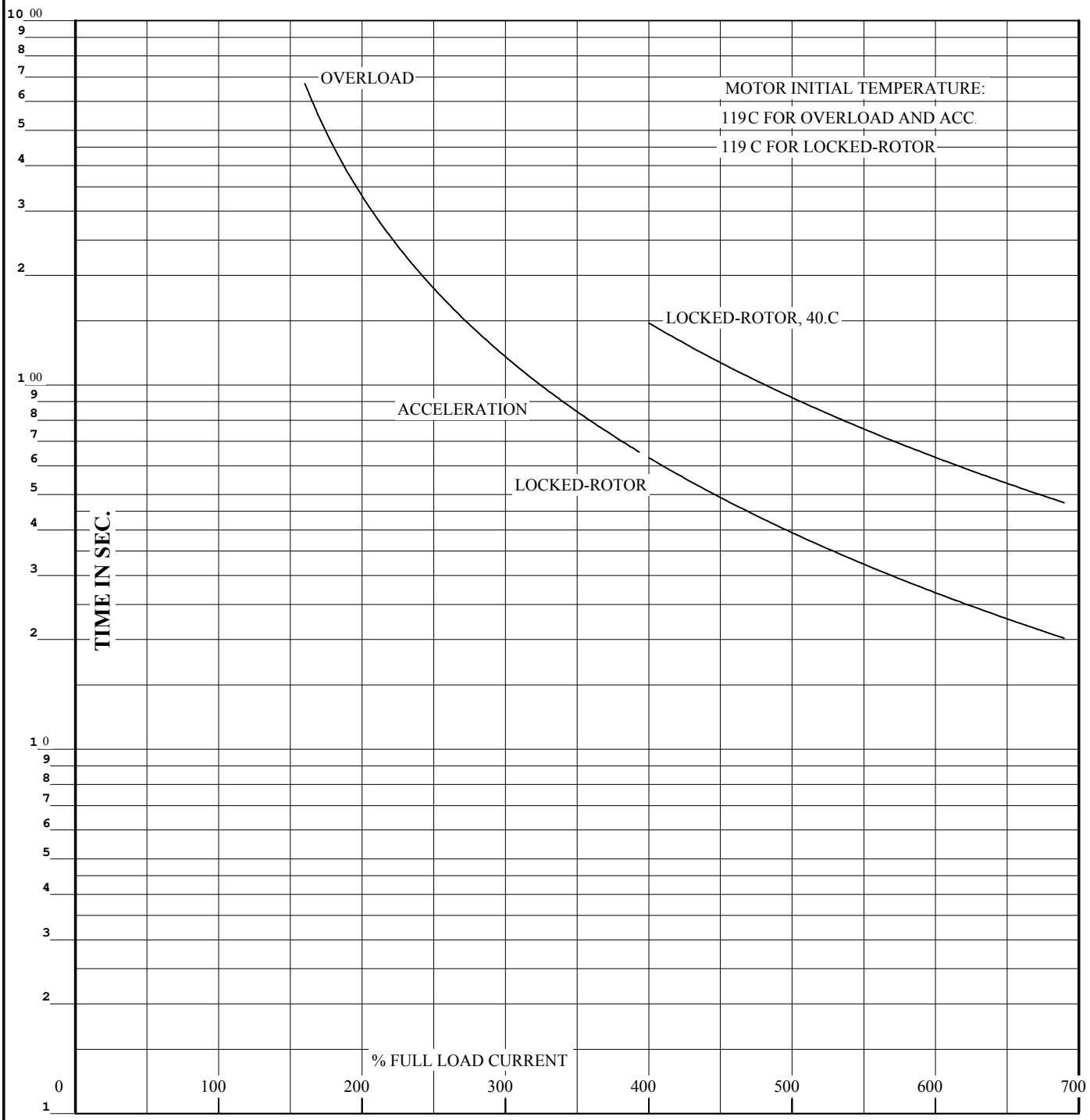
DR. BY	W. L. SMITH
CK. BY	C.E.JAMISON
APP. BY	W. L. SMITH
DATE	10/16/18

A–C MOTOR PERFORMANCE CURVES

A44WG2122-R012

ISSUE DATE 05/05/21

REL. S.O.	RPM 1190	S.F. 1.15	ROTOR 418143080GE
FRAME 445T	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125	AMPS 116	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0639
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S -	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF.= 95.0 PCT

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

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

FRAME G445T

617435-945

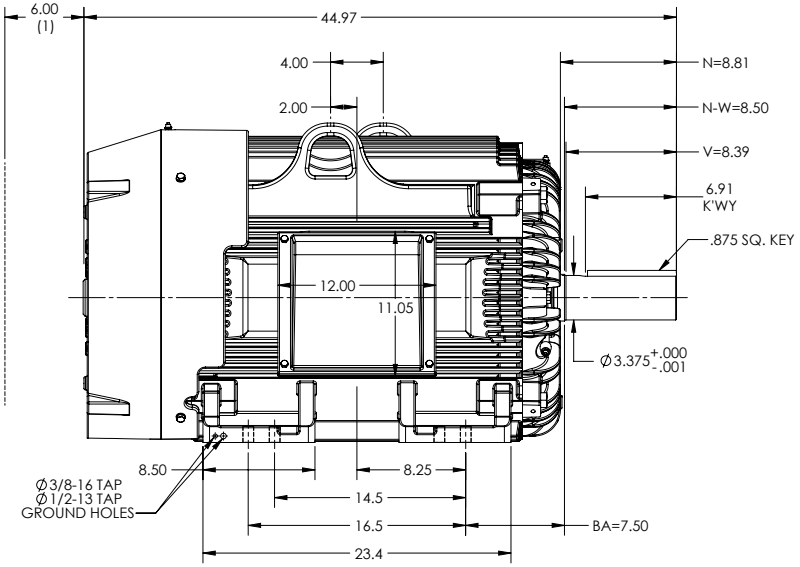
ENCLOSURE: TOTALLY ENCLOSED

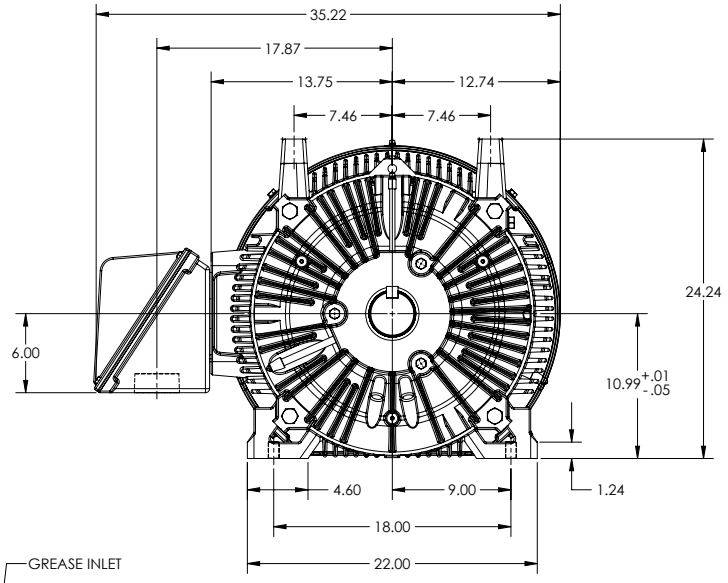
MOUNTING: FOOT, F1

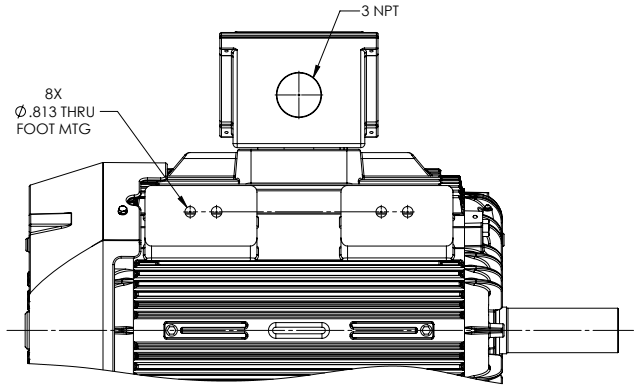
INCLUDES 444T FRAME MOUNTING HOLES
CAST IRON C/BOX

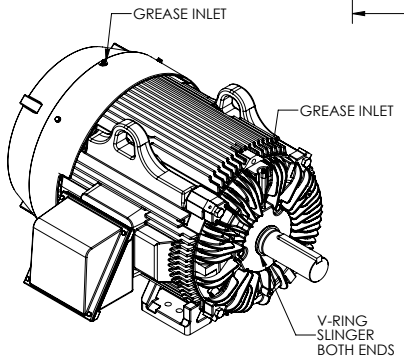
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









1. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.
2. WEIGHT = 2150 ± 15% DEPENDING ON RATING.

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.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003 T.I.R.

SHEET NUMBER 1 OF 1

617435-945

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: B	VERSION: 02	REVISED: 04:55:30 10/03/2022	TDR: 000001196512
MODEL NO. 617435-945			REF:
BY: ENFRAJ0	Material:	C	

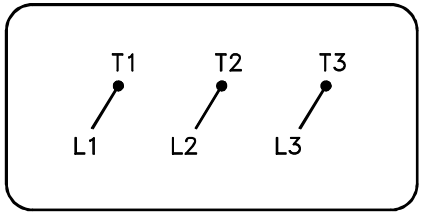
BALDOR

G445T STD TEFC F1 FOOTED – CAST IRON C/BOX

617435-945

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