

ABB BALDOR RELIANCE III

Customer information packet

EM44206T-4

200HP, 1190RPM, 3PH, 60HZ, 449T, A44160M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	225.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	225.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA

Part Detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1497
Layout	617427-190
Eff. date	11-24-2025
CD Diagram	416820-036
Poles	06
Leads	3#1 (02 per group)
Proprietary	False
Created date	08-14-2012

Motor Type	A44160M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	53.24 IN
Power Factor	87
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

NP2349L														
SPEC NO.	P44G3915			CAT.NO.		EM44206T-4				FRAME	449T			
HP	200	VOLTS	460	PHASE		3	DESIGN	B	TYPE	P				
RPM	1190	AMPS	225	HZ		60	AMB	40	SF	1.15				
DRIVE END BEARING	90BC03J30X			DUTY	CONT	INSUL.CLASS		F						
OPP D.E. BEARING	90BC03J30X			ENCL	TEFC	CODE	G							
SER.NO.				POWER FACTOR		87	NEMA-NOM-EFFICIENCY				95.8			
					MAX CORR KVAR	35.0	GUARANTEED EFFICIENCY		95.0					
					NEMA NOM/CSA QUOTED EFF									
					MOTOR WEIGHT									

Parts List

Part number	Description	Quantity
SA249407	SA P44G3915	1.000 ea
RA236272	RA P44G3915	1.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2349L	SUPER-E ,SS, CURUS EEV, CC, LASER	1.000 ea
412118006A	DRAIN	2.000 ea
004824015A	GREASE POLYREX EM	1.156 lb
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 ea
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
034690005AB	PPLG 3/4 PLATED	2.000 ea
089490099A	G28 BRKT 089490098WCA KB	1.000 ea
078550001H	FAN KB 120/60 360	1.000 ea
083199126A	G440 MOLDED FAN COVER	1.000 ea
089490099A	G28 BRKT 089490098WCA KB	1.000 ea
410700004A	WSHR	1.000 ea
415072001B	CLAMP	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea

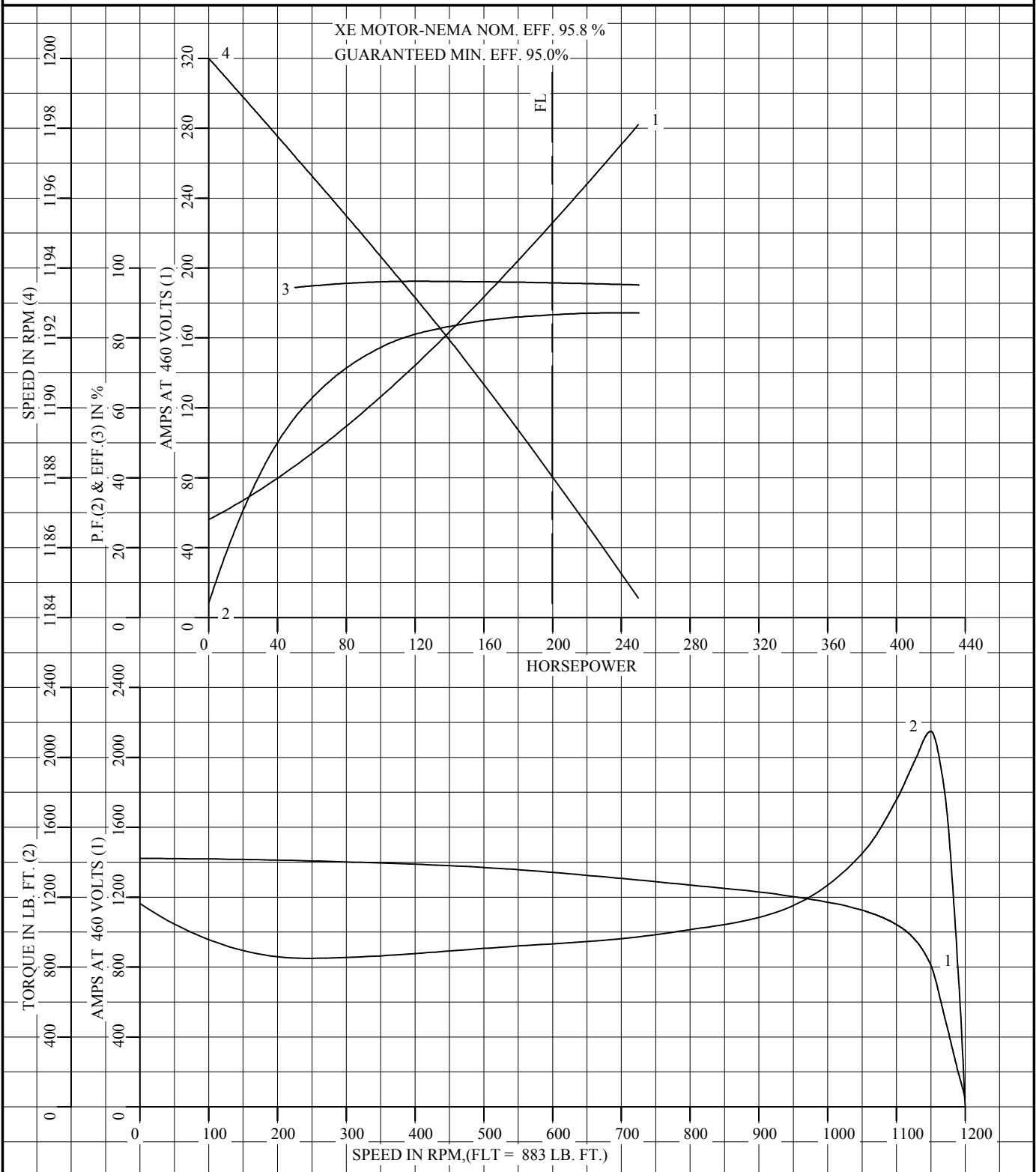
034690002AB	PPLG 1/4" PLTD.	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
418151014G	RETAIN RING	1.000 ea
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 ea
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 ea
415915007G	GASK, LAC	1.000 ft
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 ea
406056008A	GASKET, TERBD 440	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
415000115H	T/LUG #2AWG-4/OAWG	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
418153001A	GASK 440	1.000 ea
702658001B	+C/BOX, PAINTED 440	1.000 ea
702658002A	+C/BOX CVR, PAINTED 440	1.000 ea
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.375 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
421948051	LABEL, MYLAR	1.000 ea
PK5005A01	WOODEN BASE 449, 60 X 41-1/2	1.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
034630002AB	CPLG 1/4" PLATED	1.000 ea
034630002AB	CPLG 1/4" PLATED	1.000 ea

Accessories

Part number	Description	Multiplier
089490106A	G28 C-FACE BRKT MACH-6318 089490105WCA	P1
089490110A	D-FLANGE BRKT, G28 089490109WCA	P1

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	200	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
225	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833245	418143-98-XE	---	---	.0220		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	56.0	1200	4.16	0	
1/4	50.1	86.8	1197	57.2	94.4	
2/4	100	126	1194	77.3	96.1	
3/4	150	173	1191	84.2	96.1	
4/4	200	226	1188	86.6	95.8	
5/4	250	282	1185	87.2	95.2	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	132	1163	1422	
PULL UP		240	96.3	850	1408	
BREAKDOWN		1150	243	2149	811	
FULL LOAD		1188	100	883	226	
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-NEMA NOM. EFF. 95.8 % GUARANTEED MIN. EFF. 95.0%						
		DR. BY	G. R. WEBB	A-C MOTOR PERFORMANCE DATA		
		CK. BY	W. L. SMITH			
		APP. BY	W. L. SMITH			
		DATE	10/08/10			
			A44WG1497-R001 ISSUE DATE 01/06/21			

REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418143-98-XE
FRAME 449T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 225	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0220
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 833245	OHMS (BETWEEN LINES)



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

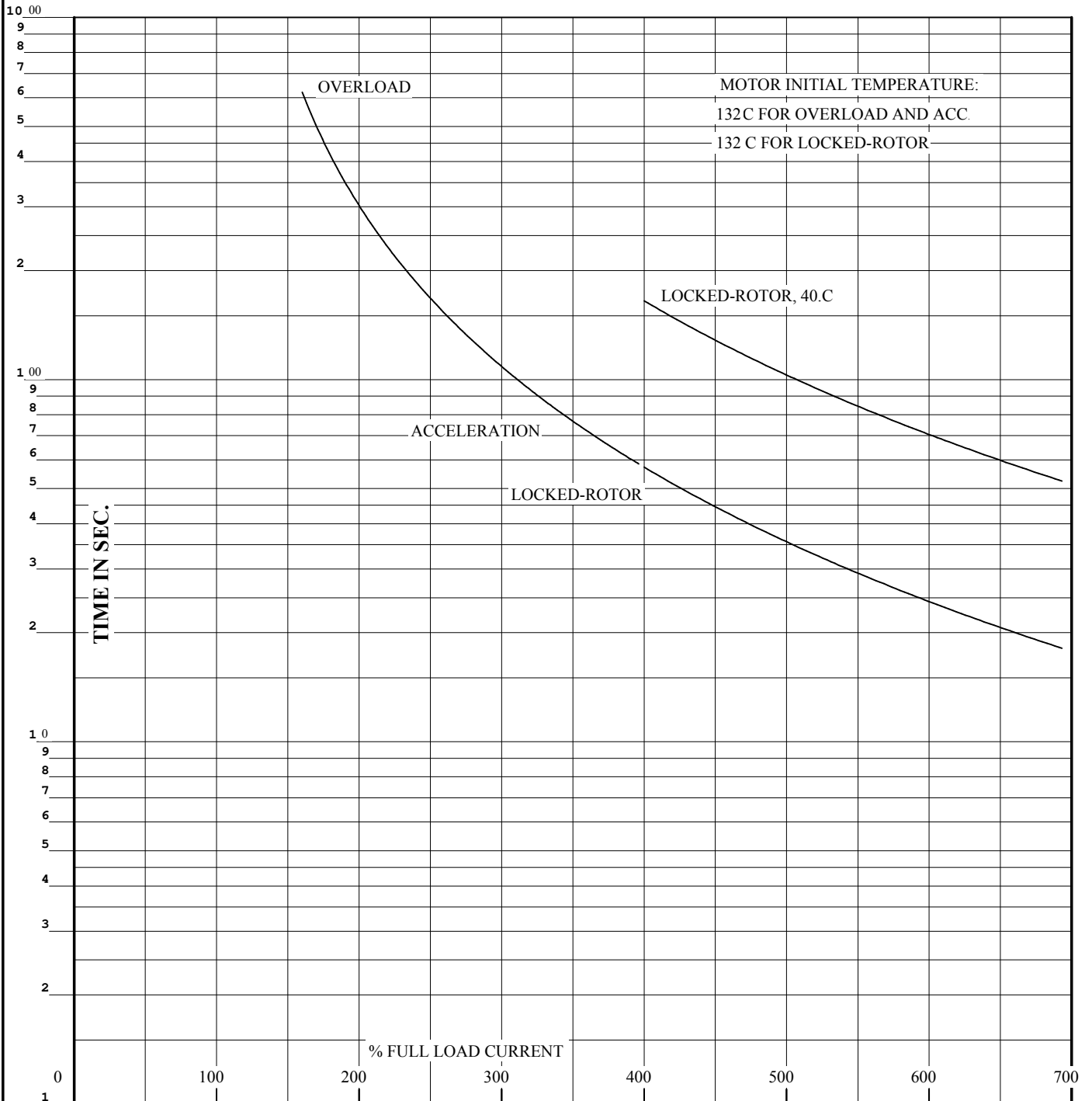
BALDOR
 A MEMBER OF THE ABB GROUP

DR. BY G. R. WEBB
 CK. BY W. L. SMITH
 APP. BY W. L. SMITH
 DATE 10/08/10

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG1497-R001
 ISSUE DATE 01/06/21

REL. S.O.	RPM 1190	S.F. 1.15	ROTOR 418143-98-XE
FRAME 449T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 225	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0220
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 833245	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

XE MOTOR-NEMA NOM. EFF. 95.8 %

GUARANTEED MIN. EFF. 95.0%

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	G. R. WEBB
CK. BY	W. L. SMITH
APP. BY	W. L. SMITH
DATE	10/08/10

**A-C MOTOR
PERFORMANCE
CURVES**

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ISSUE DATE 01/06/21 Page 10 of 13

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

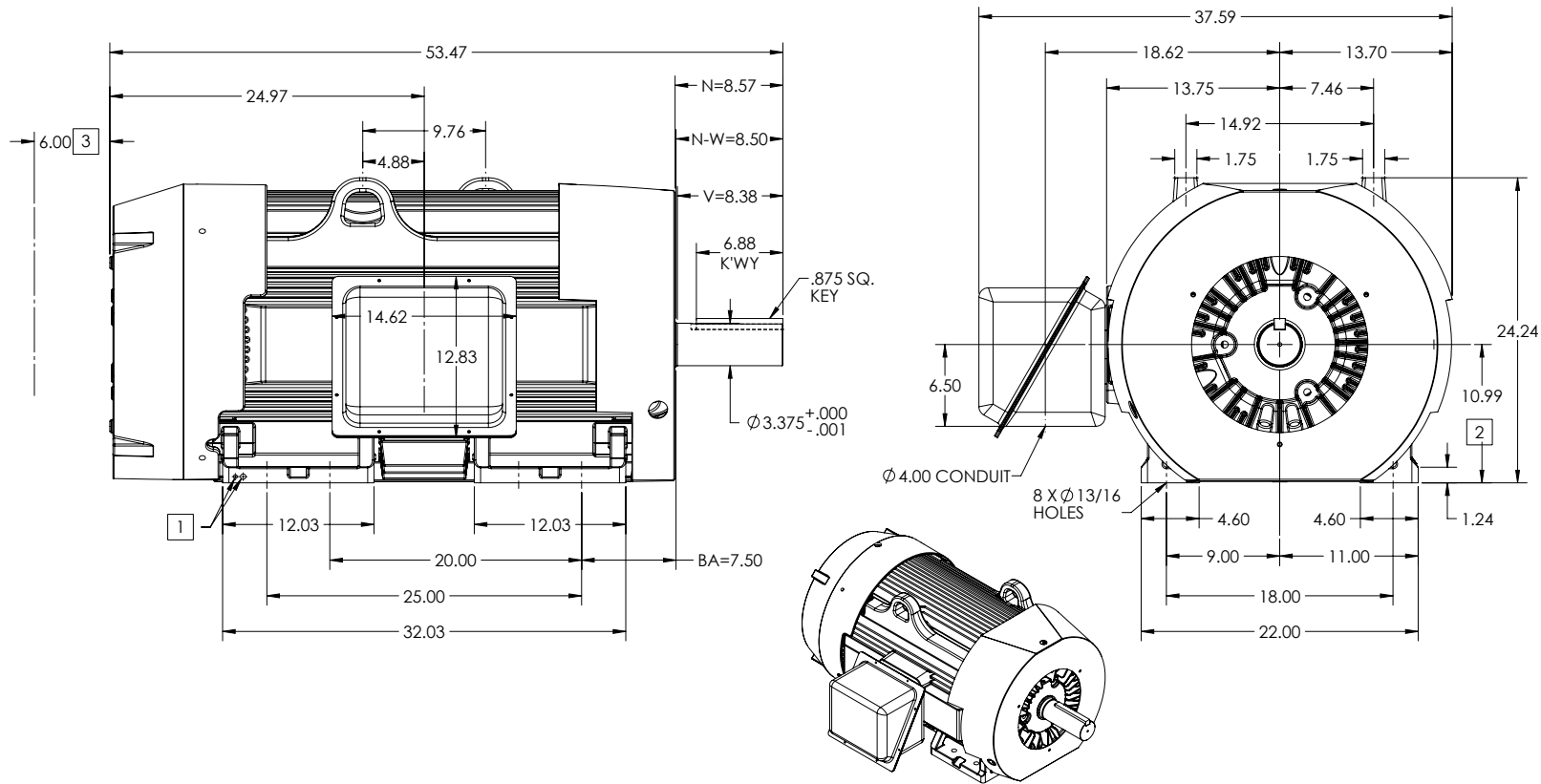
ENCLOSURE: TOTALLY ENCLOSED

FRAME G449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT, F-1 SIDE

INCLUDES G447T FRAME MOUNTING HOLES



1. GROUND HOLES: QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP.
2. VARIES +.00, -.06.
3. OBSTRUCTION MUST NOT ENCR OACH ON AIR-INLET.
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.

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. TO 5 INCH DIA.

4 WEIGHT (LBS): 3100

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

REV. A	VERSION: 01	REVISED: 12-46-23 11/21/2025	TDR: 000001267443
MODEL NO. 617427-190	REF:		
BY: USDOSCO2	Material:		

BALDOR

G449T/447T TEFC W/ AIR-DEFLECTOR F1 FT MTG

1 OF 2

061-227-119

617427-190

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

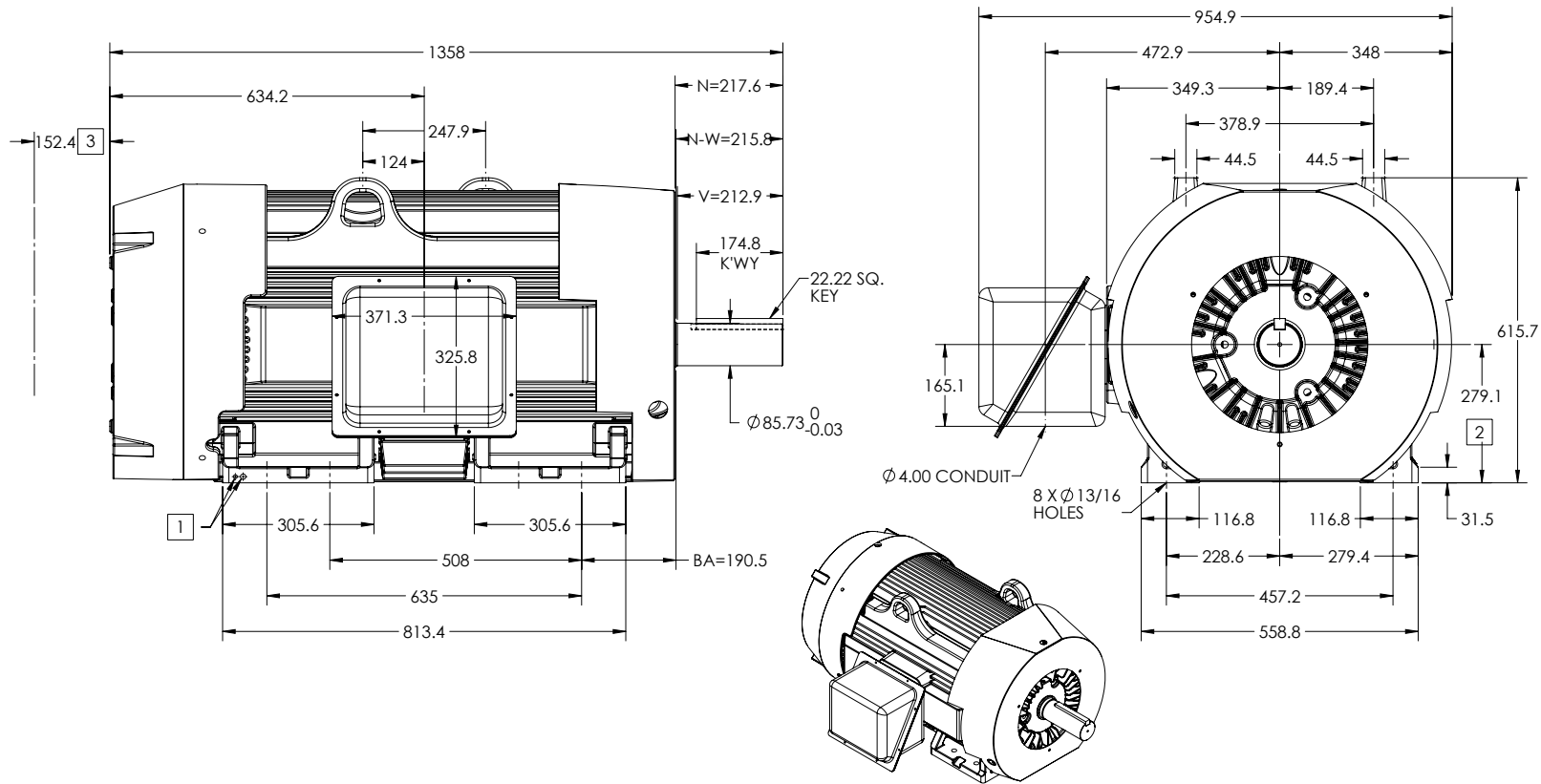
ENCLOSURE: TOTALLY ENCLOSED

FRAME G449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT, F-1 SIDE

INCLUDES G447T FRAME MOUNTING HOLES



1. GROUND HOLES: QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP.
2. VARIES +0, -1.5
3. OBSTRUCTION MUST NOT ENCROACH ON AIR-INLET.
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .08MM T.I.R. TO 127MM DIA.

2 OF 2

061-227-119

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

REV. DESC: REMOVE BUILD PER NOTE	VERSION: 01	REVISED: 12-46-23 11/21/2025	TDR: 000001267443
MODEL NO. 617427-190	REF:		
BY: USDOSCO2	Material:		

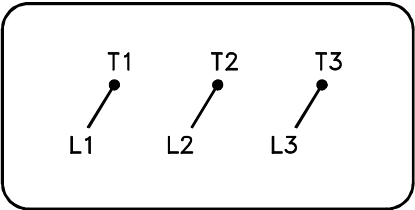
BALDOR

G449T/447T TEFC W/ AIR-DEFLECTOR F1 FT MTG

617427-190

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		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1