ABB BALDOR RELIANCE

Customer information packet

ECP844156T-4

150HP, 1190RPM, 3PH, 60HZ, 447T, TEFC, FOOT,
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	447T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR
	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	170.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	F

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1496
Layout	617434-662
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	06
Leads	3#1/0
Proprietary	False
Created date	12-11-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	None
Motor Type	A44120M
Mounting Arrangement	F1
No Load Current	42.5 a
Number of Poles	6
Overall Length	48.47 IN
Power Factor	86
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	Phase Seq-Std Rot (CCWODE)
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	ECP844156T-4	**SPEC NO.**	A44-8392-1496								
HP	150	**AMPS**	170	**VOLTS**	460	**DESIGN**	B				
FRAME SIZE	447T	**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**	F						
O.D.E. BRG.	90BC03J30X	**POWER FACTOR**	86	**NEMA-NOM-EFFICIENCY**	95.8						
3/4 LOAD EFF.	96.2	**IP**	56	**MAX CORR KVAR**	25.0	**GUARANTEED EFFICIENCY**	95				
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	ECP844156T-4	**SPEC NO.**	A44-8392-1496		
NO. ROTOR BARS	71	**GREASE TYPE**	POLYREX EM		
NO. SLOTS	90	**NL AMPS AT RATED VOLTAGE**	42.5		
5 YEAR WARRANTY		**WINDING RES @25 C**	.03239	**OHMS**	
MFG. DATE		**SER.NO**			

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	150	P	3/60	1190	460

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

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
833241	418143080ME	---	---	.0324

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	42.5	1200	3.70	0
1/4	37.6	65.5	1197	56.6	94.9
2/4	75.1	94.9	1194	76.9	96.3
3/4	112	130	1191	83.9	96.2
4/4	150	170	1188	86.3	95.8
5/4	188	213	1184	86.8	95.1

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	121	799	1025
PULL UP	180	97.2	644	1002
BREAKDOWN	1150	236	1563	592
FULL LOAD	1188	100	663	170

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

REMARKS: TYPICAL DATA
NEMA NOMINAL EFFICIENCY = 95.4 PCT.

BALDOR

DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY W. L. SMITH
DATE 04/27/10

A-C MOTOR PERFORMANCE DATA

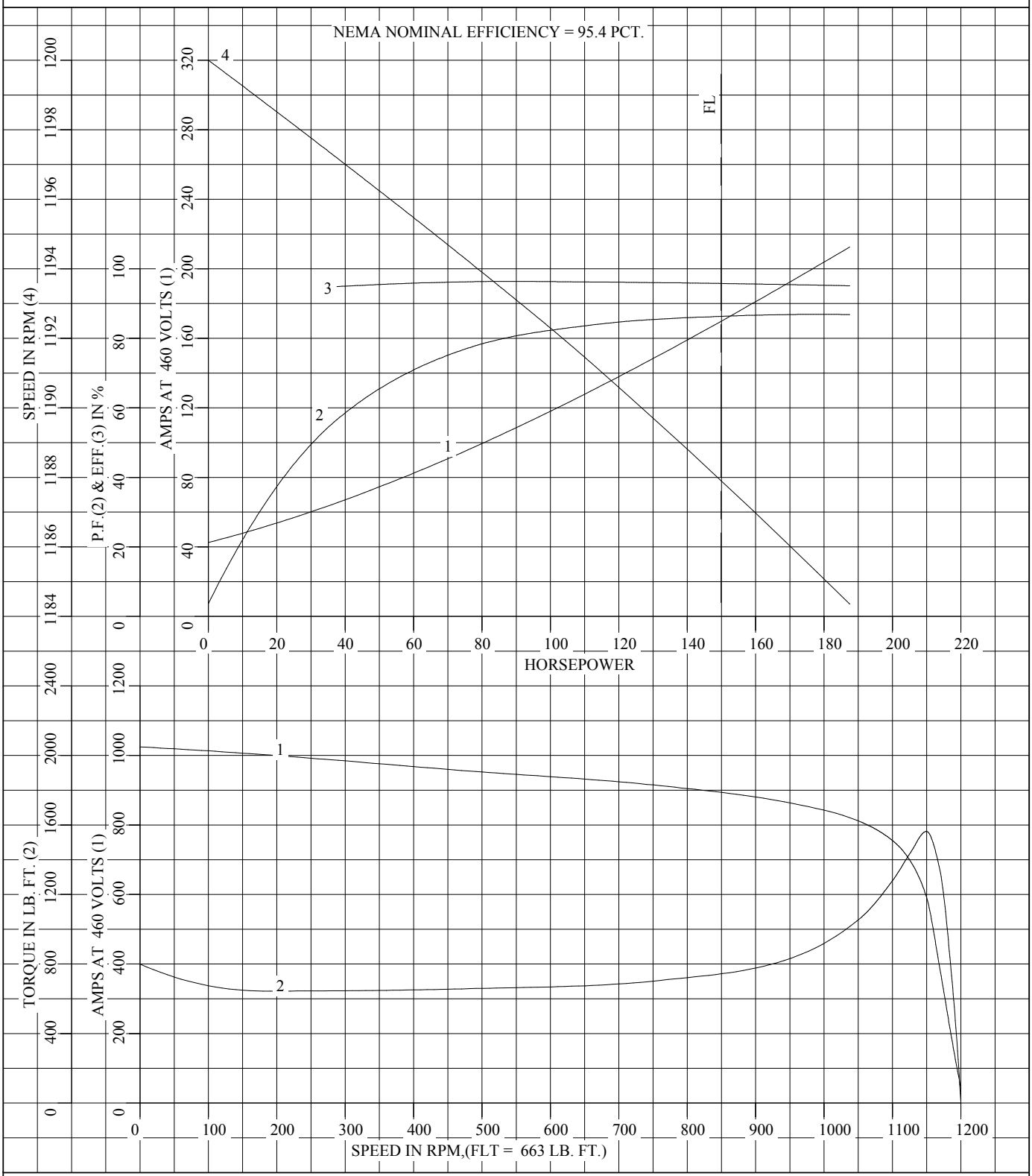
A44WG1496-R001
ISSUE DATE 12/18/10

Printed on 12/18/10 6:09 @ psecs-motorer

ABB BALDOR RELIANCE

CUSTOMER INFORMATION PACKET ECP844156T-4 - 150HP, 1190RPM, 3PH, 60HZ, 447T, TEFC, FOOT,

FRAME 447T	RPM 1190	S.F. 1.15	ROTOR 418143080ME
HP 150	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 170	CODE LETTER F	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃ .0324
	AMB ℃/INSUL 40/F	E/S 833241	OHMS (BETWEEN LINES)



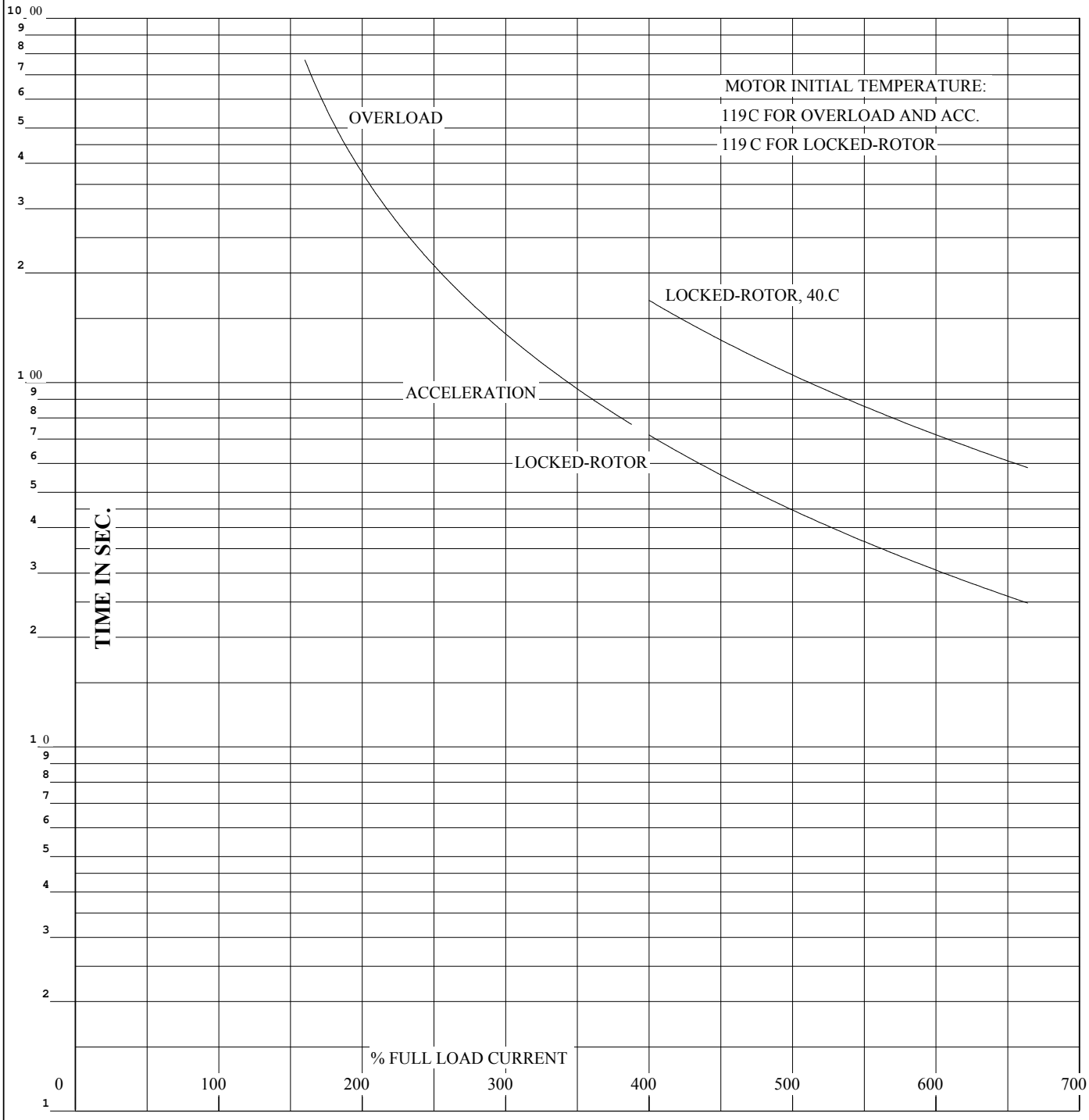
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY	W. L. SMITH
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DATE	04/27/10

A–C MOTOR PERFORMANCE CURVES A44WG1496-R001 ISSUE DATE 12/18/10

REL. S.O.	RPM 1190	S.F. 1.15	ROTOR 418143080ME
FRAME 447T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 150	AMPS 170	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C.0324
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 833241	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA NOMINAL EFFICIENCY = 95.4 PCT.

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

BALDOR

DR. BY	W. L. SMITH
CK. BY	J.J.HARRISON
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DATE	04/27/10

A-C MOTOR PERFORMANCE CURVES **A44WG1496-R001**

ISSUE DATE 12/18/10

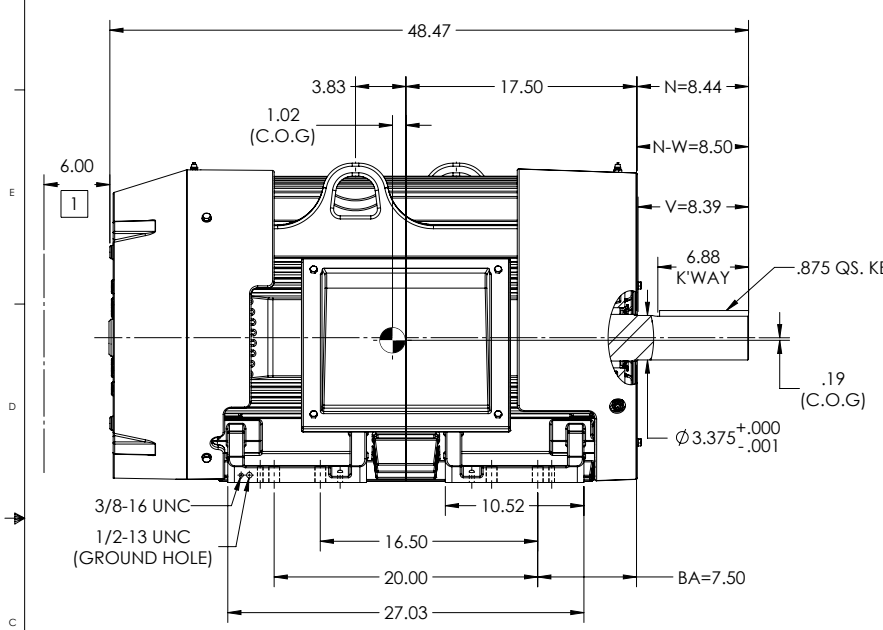
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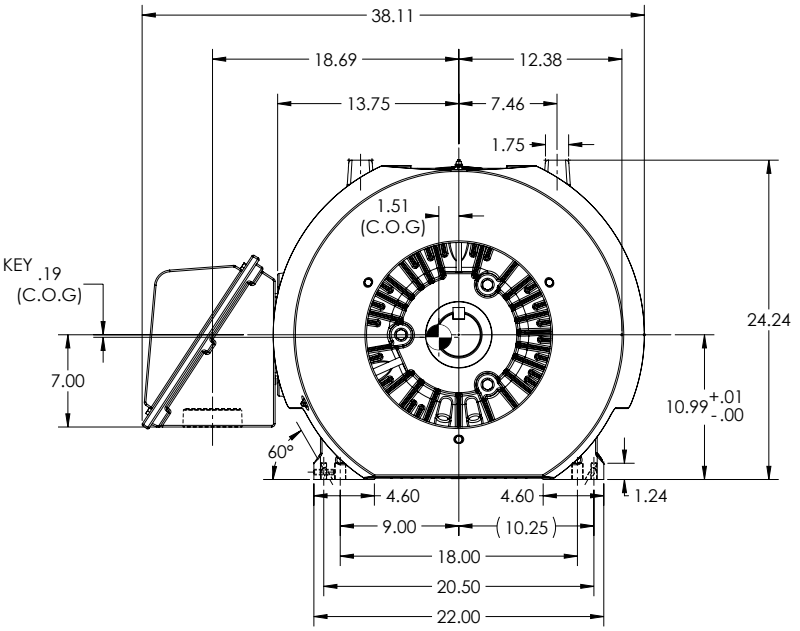
DUTY MASTER ALTERNATING CURRENT MOTORS

617434-662

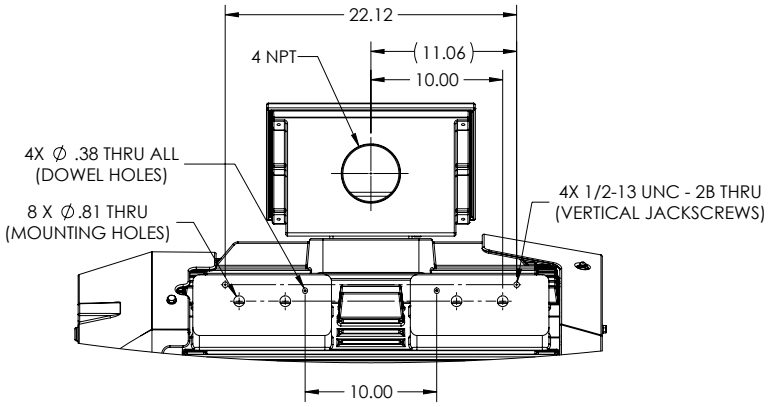
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

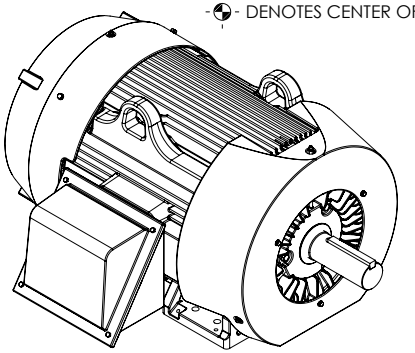
MOUNTING: FOOT, F-1 SIDE | G447T/ G445T FRAME MOUNTING HOLES | ENCLOSURE ENHANCEMENT: 841-XL





- DENOTES CENTER OF GRAVITY WHICH VARIES BY ±1.00 INCH





1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

2 DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT FOR BALL IS .0015 & ROLLER BEARING IS .002 T.I.R.

DIMENSIONS ARE IN INCHES.
WEIGHT (LBS): 2515, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: ADDING COG			
REV: C	VERSION: 03	REVISED: 10:21:55 05/14/2026	TDR: 000001277163
MODEL NO. 617434-662			REF:
BY: USERWAL2	Material:		C

BALDOR

G447/445T TEFC FOOT F1 CI BOX/AIR DEF/841-XL

617434-662

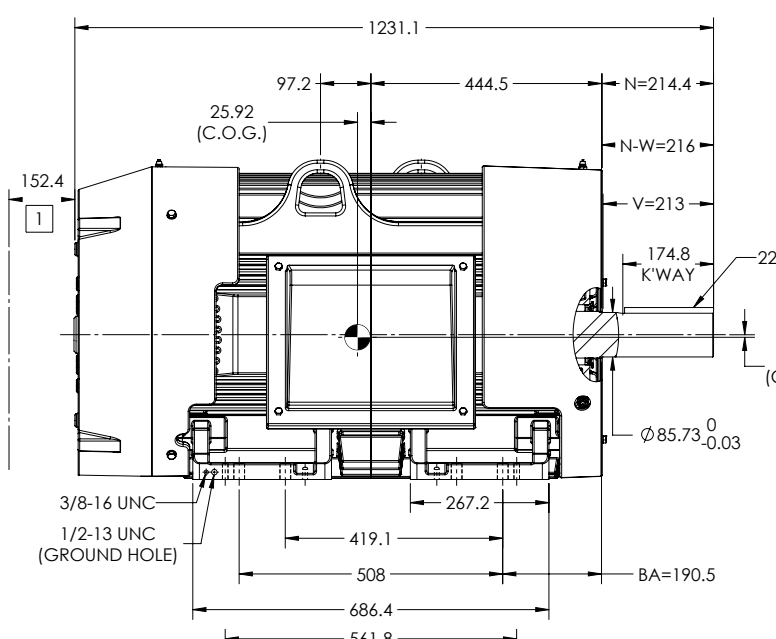
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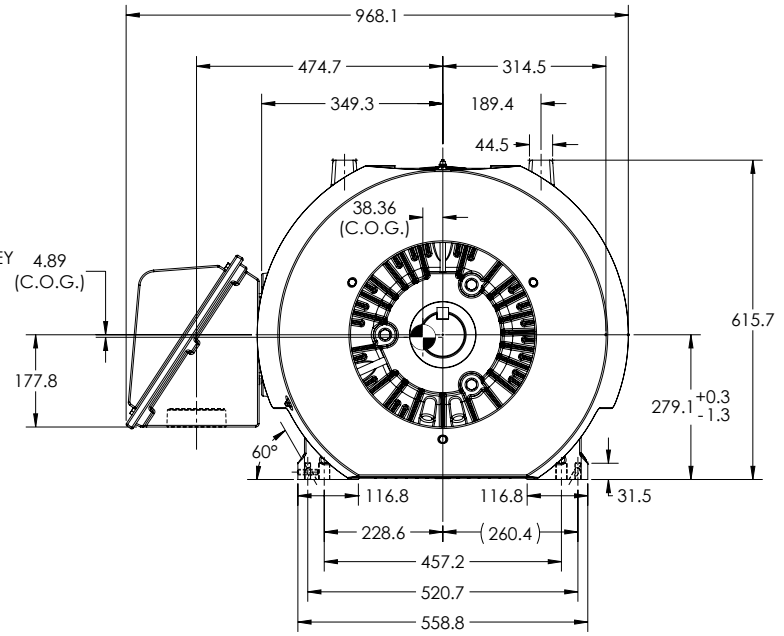
DUTY MASTER ALTERNATING CURRENT MOTORS

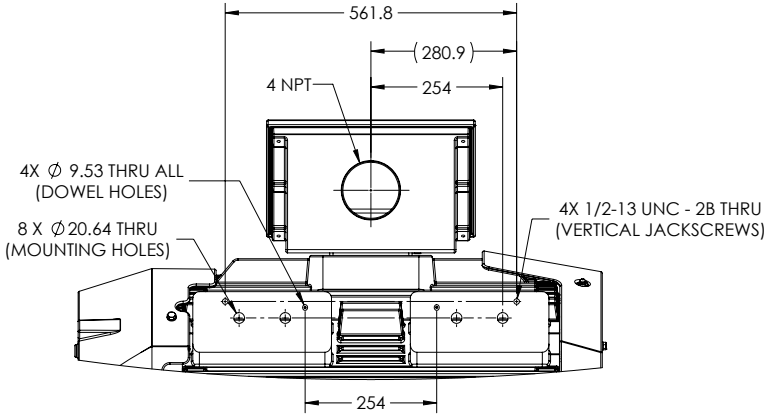
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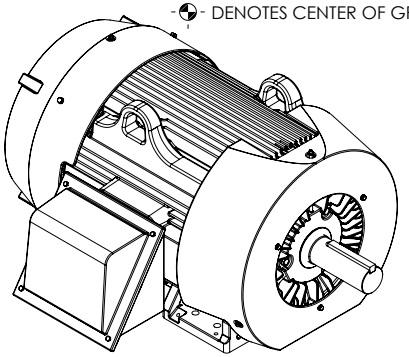
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 SIDE | G447T/ G445T FRAME MOUNTING HOLES | ENCLOSURE ENHANCEMENT: 841-XL









DENOTES CENTER OF GRAVITY WHICH VARIES BY ±1.00 INCH

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DIMENSIONS ARE IN MILLIMETERS.
WEIGHT (KGS): 1141, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: ADDING COG			
REV: C	VERSION: 03	REVISED: 10:21:55 05/14/2026	TDR: 000001277163
MODEL NO. 617434-662			REF:
BY: USERWAL2	Material:		C

BALDOR

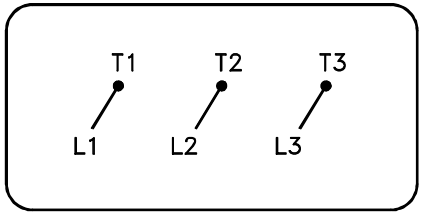
G447/445T TEFC FOOT F1 CI BOX/AIR DEF/841-XL

617434-662

617434-662

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