



Customer information packet

ECP84416T-4

200HP, 3600RPM, 3PH, 60HZ, 447TS, TEFC, FOOT,

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	447TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	30-60
Current @ Voltage	213.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	213.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1504
Layout	617435-474
Eff. date	03-15-2024
CD Diagram	416820-036
Poles	02
Leads	3#1 (02 per group)
Proprietary	False
Created date	12-11-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	None
Motor Type	A44104M
Mounting Arrangement	F1
No Load Current	41.6 a
Number of Poles	2
Overall Length	44.72 IN
Power Factor	91
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4566															
CAT NO	ECP84416T-4			SPEC NO.		A44-9097-1504									
HP	200	AMPS		213		VOLTS		460		DESIGN		B			
FRAME SIZE	447TS	RPM		3570		HZ		60	AMB		40	SF	1.15		
D.E. BRG.DATA	6313		O.D.E. BRG.DATA			6313		PH		3	DUTY		CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X			TYPE		ENCL	TEFC	CODE		G					
O.D.E. BRG.	65BC03J30X			POWER FACTOR			91		NEMA-NOM-EFFICIENCY				96.2		
3/4 LOAD EFF.	96.3	IP	56	MAX CORR KVAR				21.0		GUARANTEED EFFICIENCY				95.4	
TEMP CODE	T3	TEMP =		200											
CHP HZ	60-75	CT HZ	30-60	VT HZ		0-60									
INVERTER-TEMP-CODE	T3														
SER.NO.				MOTOR WEIGHT											

000613007EX

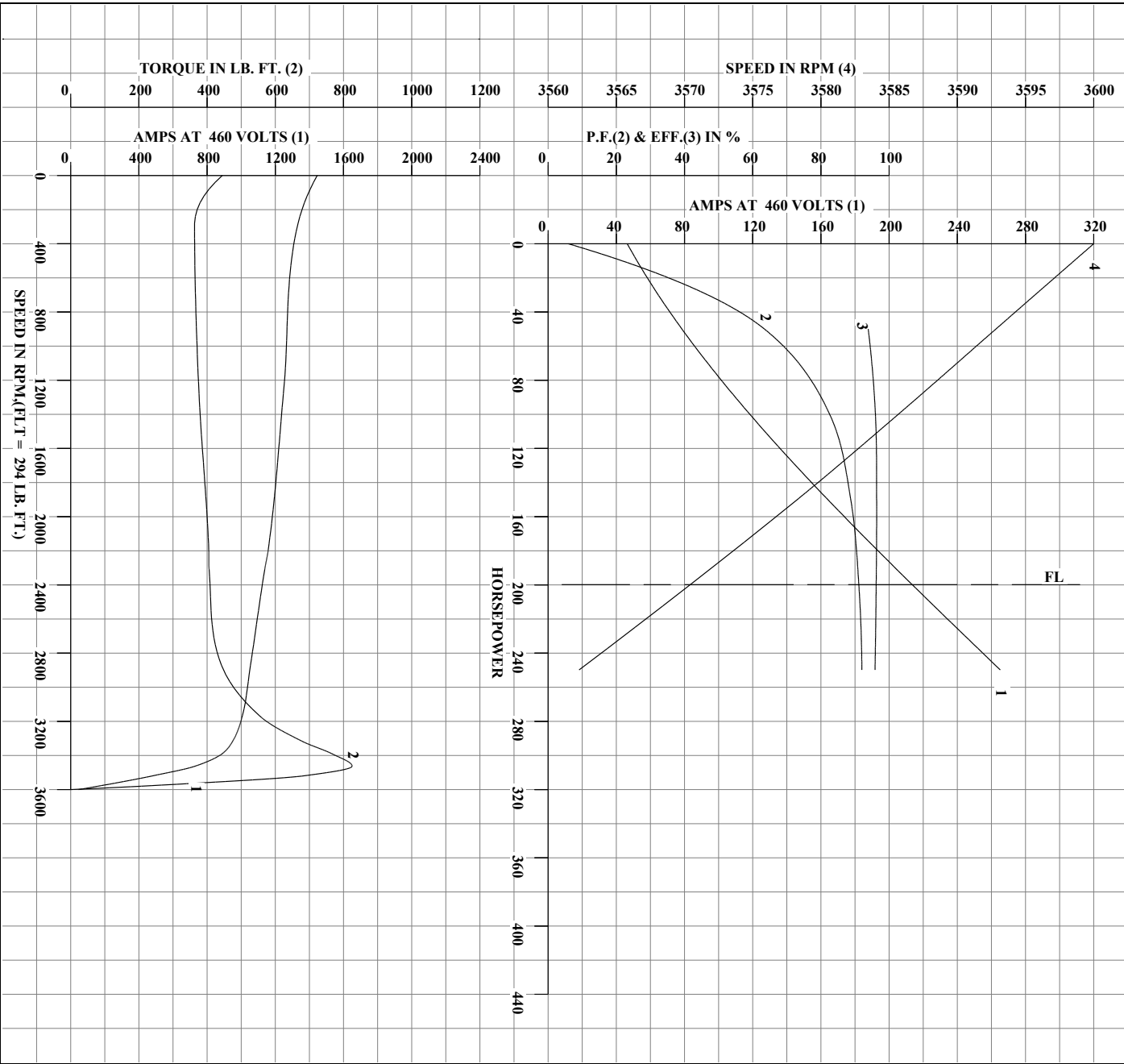
CAT NO	ECP84416T-4	SPEC NO.	A44-9097-1504
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM
NO. SLOTS	48	NL AMPS AT RATED VOLTAGE	41.6
5 YEAR WARRANTY		WINDING RES @25 C	.01446
MFG. DATE		SER.NO	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TS	200	P	3/60	3570	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
213	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833199	418143005AE	---	---	.0144		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	46.4	3600	5.92	0	
1/4	50.0	78.6	3593	63.5	93.9	
2/4	100	118	3586	82.6	96.0	
3/4	150	164	3578	88.7	96.3	
4/4	200	213	3571	91.1	96.2	
5/4	250	265	3562	92.0	95.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	151	444	1446	
PULL UP		288	124	363	1331	
BREAKDOWN		3462	281	825	730	
FULL LOAD		3571	100	294	213	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA						
 DRAWN BY: W.L. SMITH CHECKED BY: J.J. HARRISON APPROVED BY: W.L. SMITH DATE: 08/04/10 AC MOTOR PERFORMANCE DATA A44WG1504-R001 DATE ISSUED 12/18/10						

USERCHRI

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REL.S.O.	FRAME 447TS	RPM 3570	S.F. 1.15	ROTOR 418143005AE
HP 200	VOLTS 460	AMPS 213	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	CODE LETTER G	ENCLOSURE TEFC	TEST DATE ---
PHASE / HERTZ 3/60	AMB °C / INSUL. 40/F	E/S 833199	STATOR RES. @ 25°C .0144	OHMS (BETWEEN LINES)



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



DRAWN BY: W.L. SMITH
CHECKED BY: J.J. HARRISON
APPROVED BY: W.L. SMITH
DATE: 08/04/10

AC MOTOR
PERFORMANCE
DATA

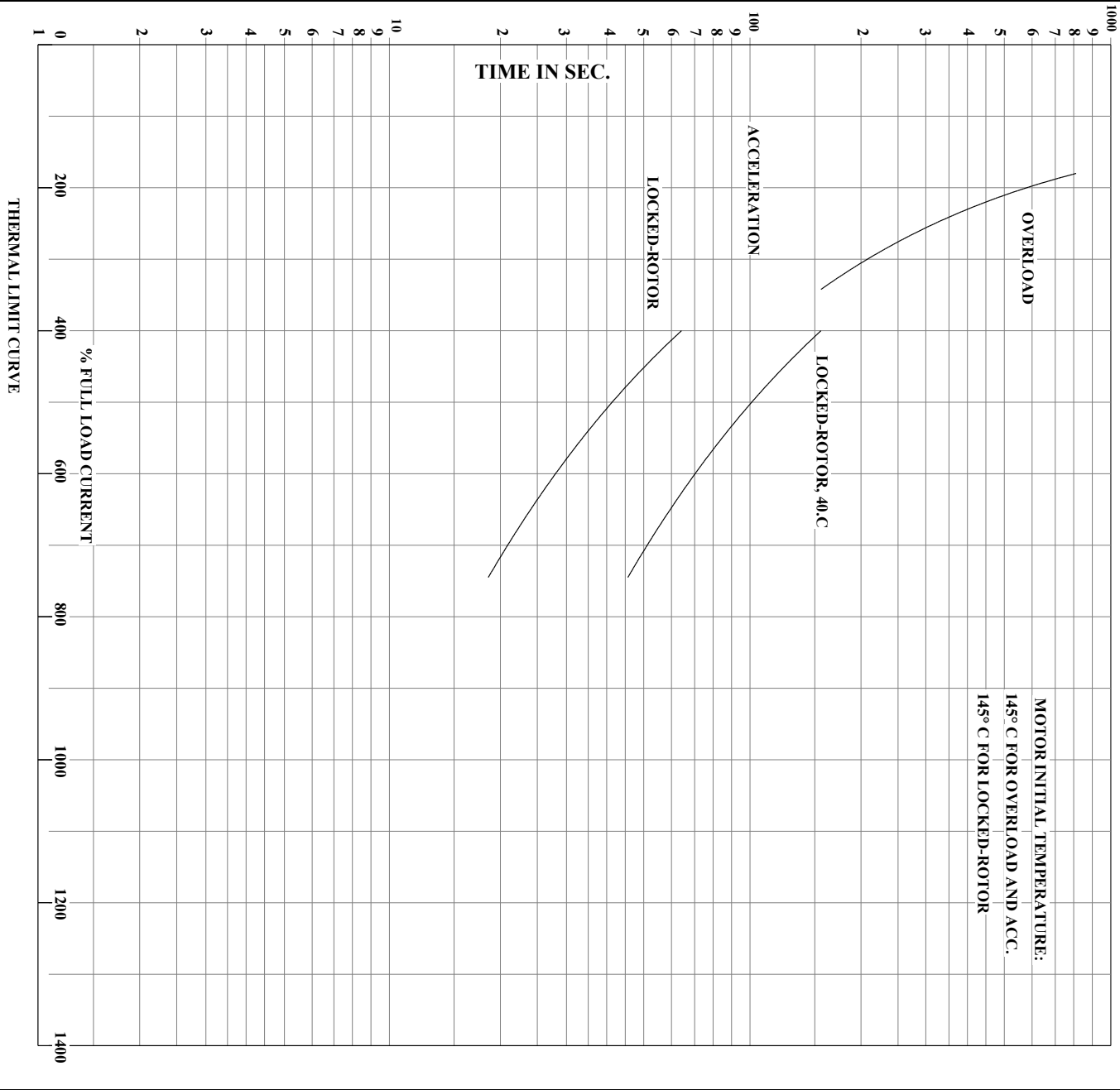
A44W/G1504-R001

ISSUE DATE 12/18/10

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PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 833199	OHMS (BETWEEN LINES)

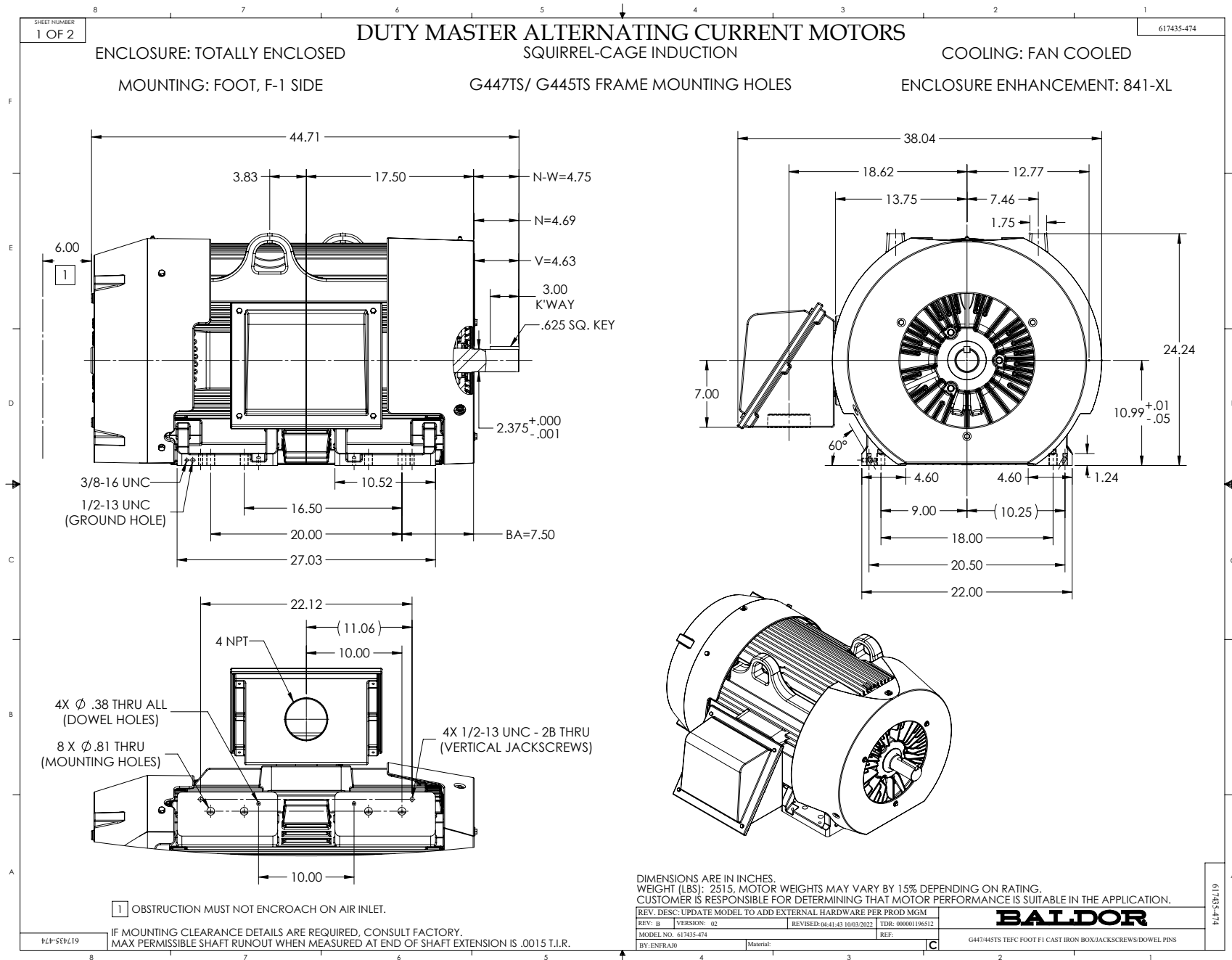


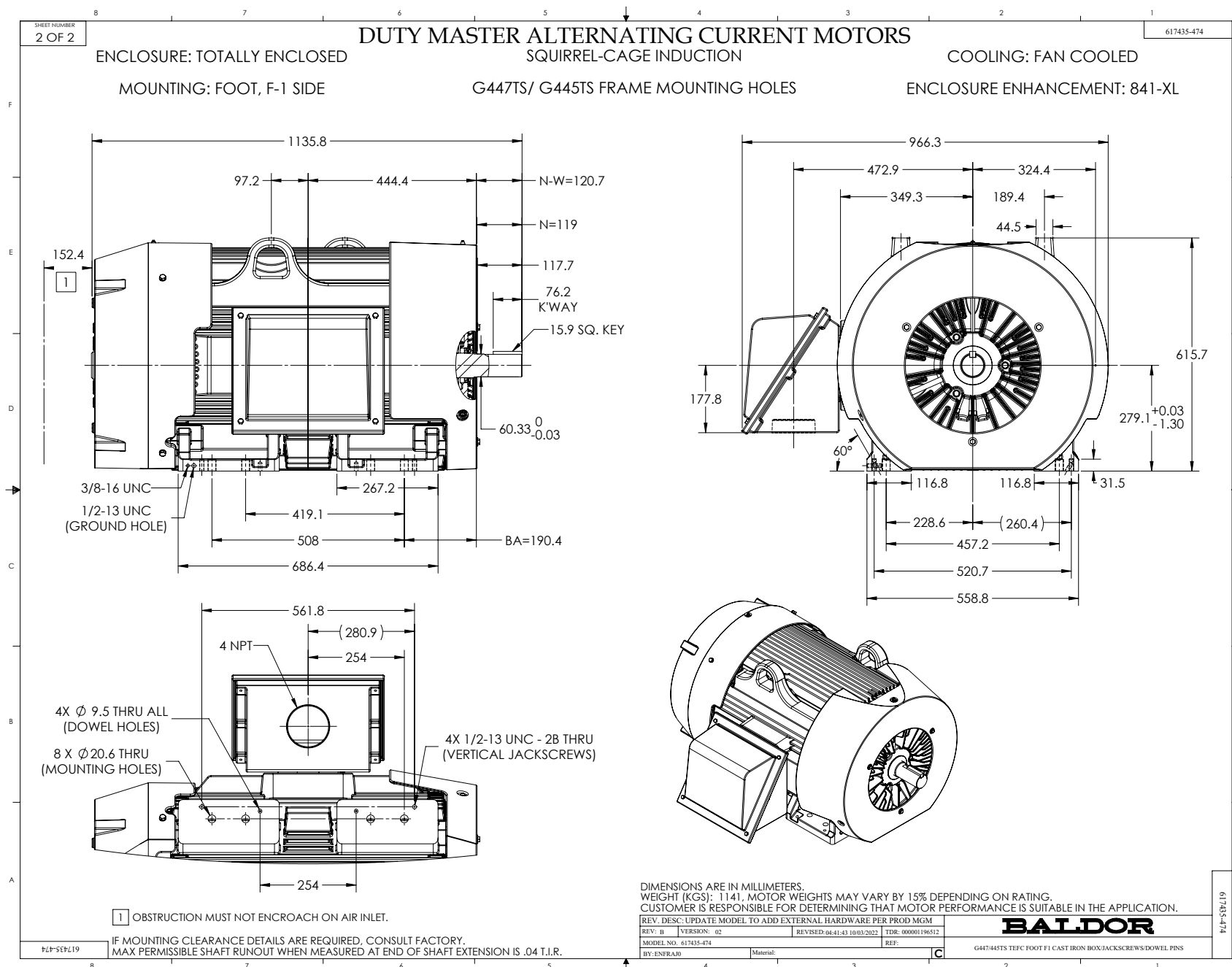
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416820-036

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