



Customer information packet

ECP844156TR-5

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

Specifications

Enclosure	TEFC
Frame	447T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	15-60
Current @ Voltage	136.000 A @ 575.0 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	136.0 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.	A44WG1357
Layout	617434-663
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	06
Leads	3#1
Proprietary	False
Created date	12-11-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	Other
Motor Type	A44120M
Mounting Arrangement	F1
No Load Current	34.0 a
Number of Poles	6
Overall Length	48.46 IN
Power Factor	86
Pulley End Bearing Type	Roller
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

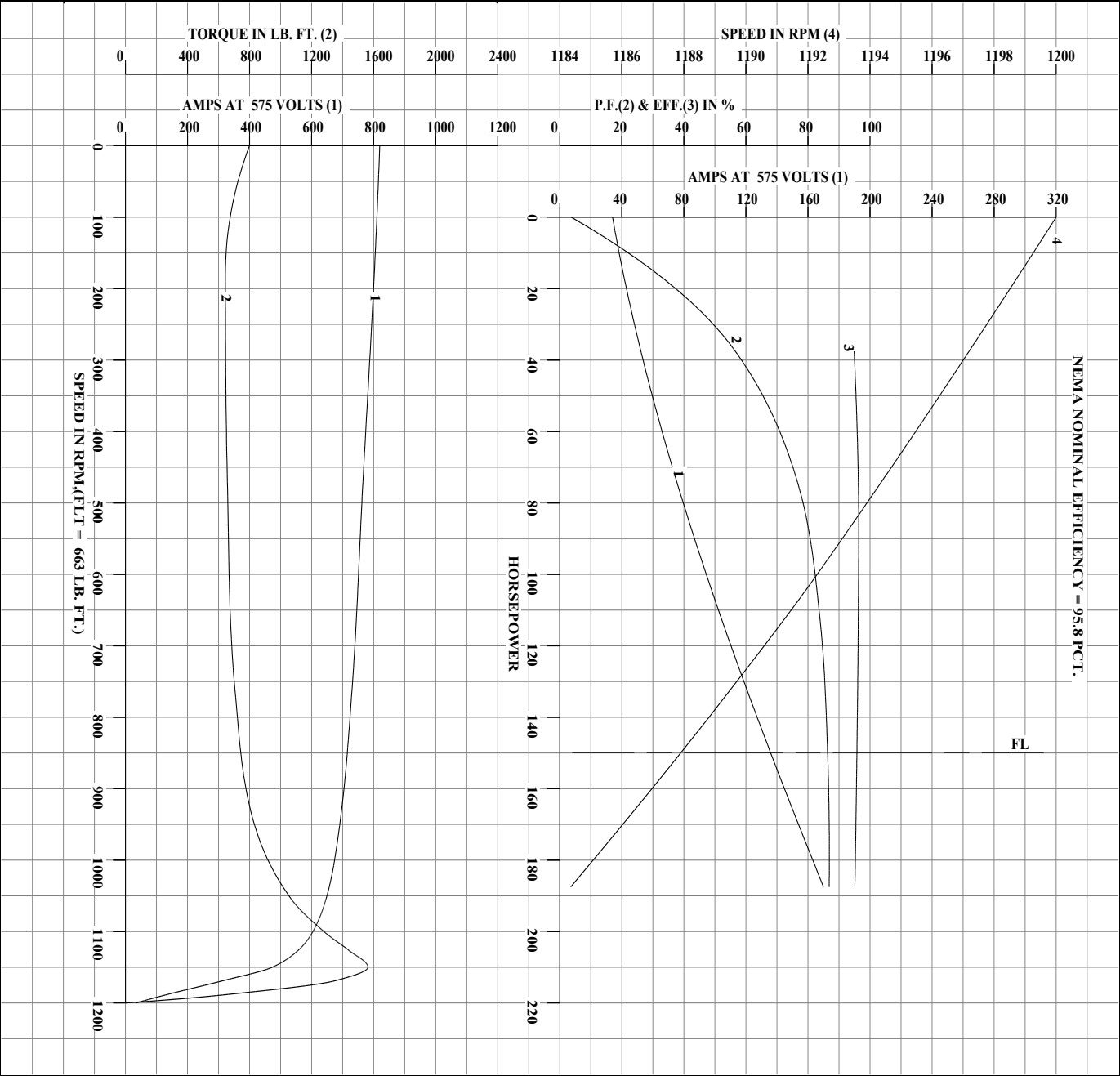
NP4566													
CAT NO	ECP844156TR-5			SPEC NO.		A44-7002-1357							
HP	150	AMPS	136		VOLTS		575		DESIGN	B			
FRAME SIZE	447T	RPM	1190		HZ	60	AMB	40	SF	1.15			
D.E. BRG.DATA	NU222		O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	110RU02M30X			TYPE	ENCL	TEFC	CODE	F					
O.D.E. BRG.	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	ECP844156TR-5	SPEC NO.	A44-7002-1357	
NO. ROTOR BARS	71	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		34.0
5 YEAR WARRANTY		WINDING RES @25 C	.0507	OHMS
MFG. DATE		SER.NO		

NP2496L	
MOBIL SHC -220 GREASE	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	150	P	3/60	1190	575
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
136	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833174	418143080ME	---	---	.0507		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	34.0	1200	3.70	0	
1/4	37.6	52.4	1197	56.6	94.9	
2/4	75.1	76.0	1194	76.9	96.3	
3/4	112	104	1191	83.9	96.2	
4/4	150	136	1188	86.3	95.8	
5/4	188	170	1184	86.8	95.1	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	121	799	820	
PULL UP		180	97.2	644	802	
BREAKDOWN		1150	236	1563	474	
FULL LOAD		1188	100	663	136	
AMPERES SHOWN FOR 575 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
CALCULATED DATA						
NEMA NOMINAL EFFICIENCY = 95.8 PCT.						
BALDOR A MEMBER OF THE ABB GROUP		DRAWN BY: W.L. SMITH CHECKED BY: J.J. HARRISON APPROVED BY: W.L. SMITH DATE: 04/27/10		AC MOTOR PERFORMANCE DATA		A44WG1357-R001 DATE ISSUED 04/27/10

REL.S.O.	447T	RPM	1190	S.F.	1.15	ROTOR	418143080ME
FRAME	447T	VOLTS	575	NEMA DESIGN	B	TEST S.O.	CALCULATED DATA
HP	150	AMPS	136	CODE LETTER	F	TEST DATE	---
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0507
PHASE / HERTZ	3/60	AMB °C / INSUL	40/F	E/S	833174	OHMS (BETWEEN LINES)	

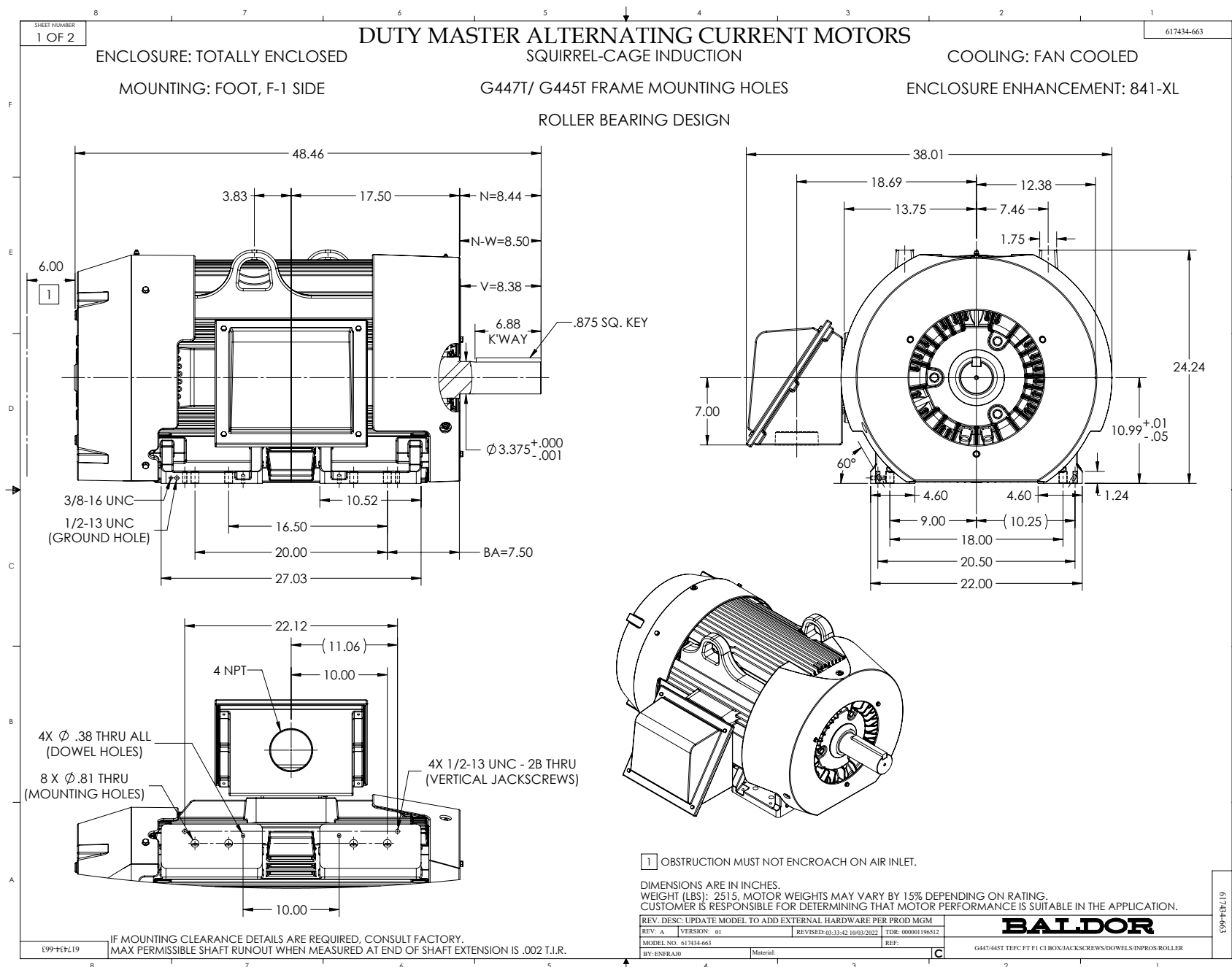


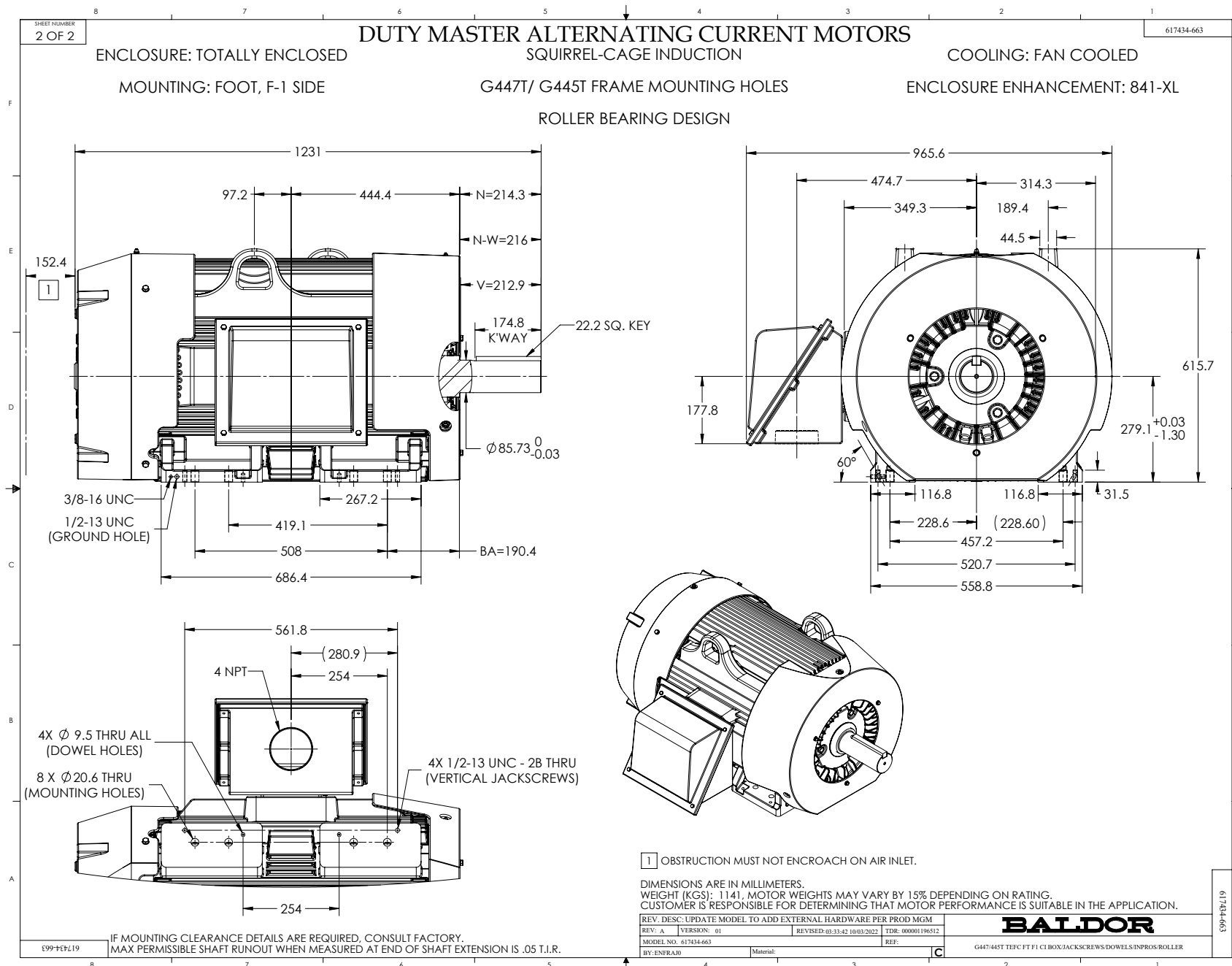
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USERCHR1

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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