



Customer information packet

ECP84412T-5

125HP, 3570RPM, 3PH, 60HZ, 444TS, A4468M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	444TS
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	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US UR
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	110.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	110.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1 AWG

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5720
Layout	617434-659
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	02
Leads	3#1
Proprietary	False
Created date	03-10-2022

Motor Standards	None
Motor Type	A4468M
Mounting Arrangement	F1
No Load Current	25.0 a
Number of Poles	2
Overall Length	41.22 IN
Power Factor	89
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	Shaft 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	ECP84412T-5			SPEC NO.		A44-0000-5720							
HP	125	AMPS	110		VOLTS		575		DESIGN	B			
FRAME SIZE	444TS	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			89		NEMA-NOM-EFFICIENCY			95	
3/4 LOAD EFF.	95.4	IP	56	MAX CORR KVAR			18		GUARANTEED EFFICIENCY			94.1	
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									

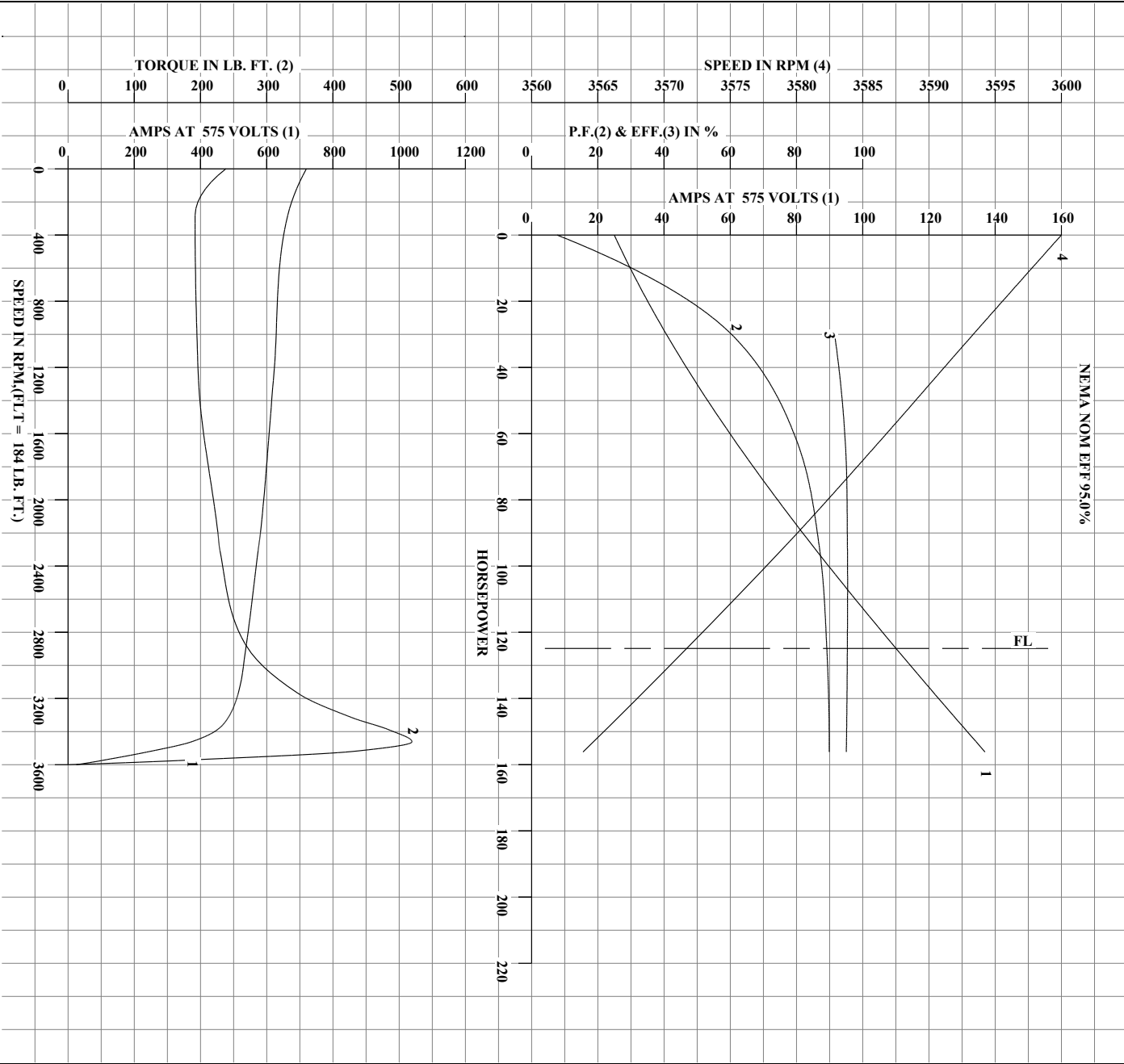
000613007EX				
CAT NO	ECP84412T-5	SPEC NO.	A44-0000-5720	
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM	
NO. SLOTS	48	NL AMPS AT RATED VOLTAGE	25	
5 YEAR WARRANTY		WINDING RES @25 C	.0532	OHMS
MFG. DATE		SER.NO		

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444TS	125	P	3/60	3570	575
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
I10	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143-8-RE	---	---	.0532		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	25.0	3600	7.72	0	
1/4	31.3	41.5	3593	61.6	91.7	
2/4	62.5	61.6	3586	80.2	94.7	
3/4	93.8	84.9	3579	86.8	95.4	
4/4	125	110	3572	89.2	95.3	
5/4	156	137	3564	89.9	95.0	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	130	238	720	
PULL UP		288	104	192	663	
BREAKDOWN		3461	283	519	373	
FULL LOAD		3572	100	184	110	
AMPERES SHOWN FOR 575 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOM EFF 95.0%						
ABB DRAWN BY: J.P. TSAO CHECKED BY: W.L. SMITH APPROVED BY: E.J. CHRISTIAN DATE: 02/05/20 AC MOTOR PERFORMANCE DATA A44WG5720-R001 DATE ISSUED 02/05/20						

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REL.S.O.	FRAME 444TS	RPM 3570	S.F. 1.15	ROTOR 418143-8-RE
HP 125	VOLTS 575	AMPS 110	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 -		STATOR RES. @ 25°C .0532
				OHMS (BETWEEN LINES)



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



DRAWN BY: J.P. TSAO
CHECKED BY: W.L. SMITH
APPROVED BY: E.J. CHRISTIAN
DATE: 02/05/20

AC MOTOR
PERFORMANCE
DATA

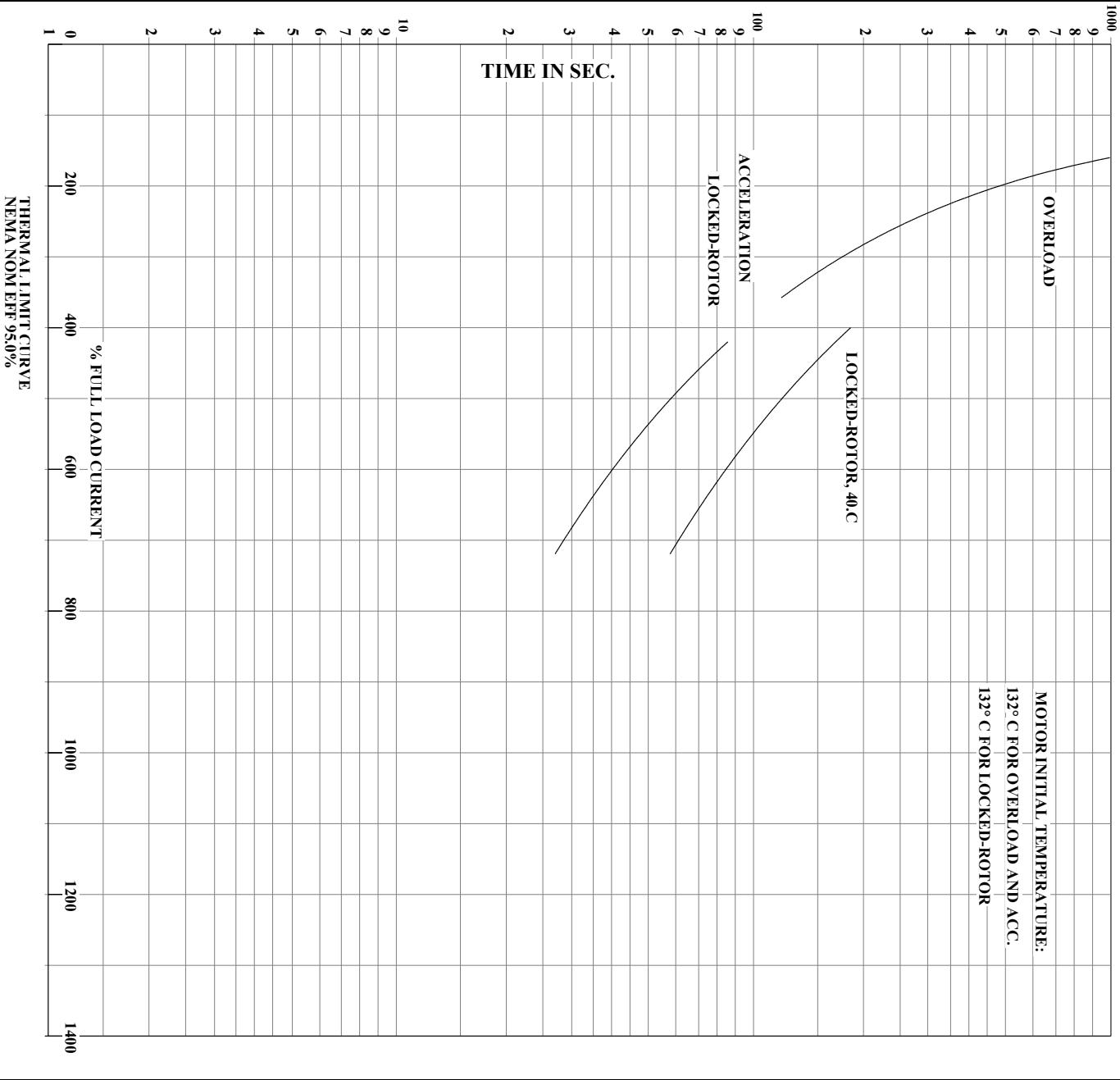
A44WG5720-R001

ISSUE DATE 02/05/20

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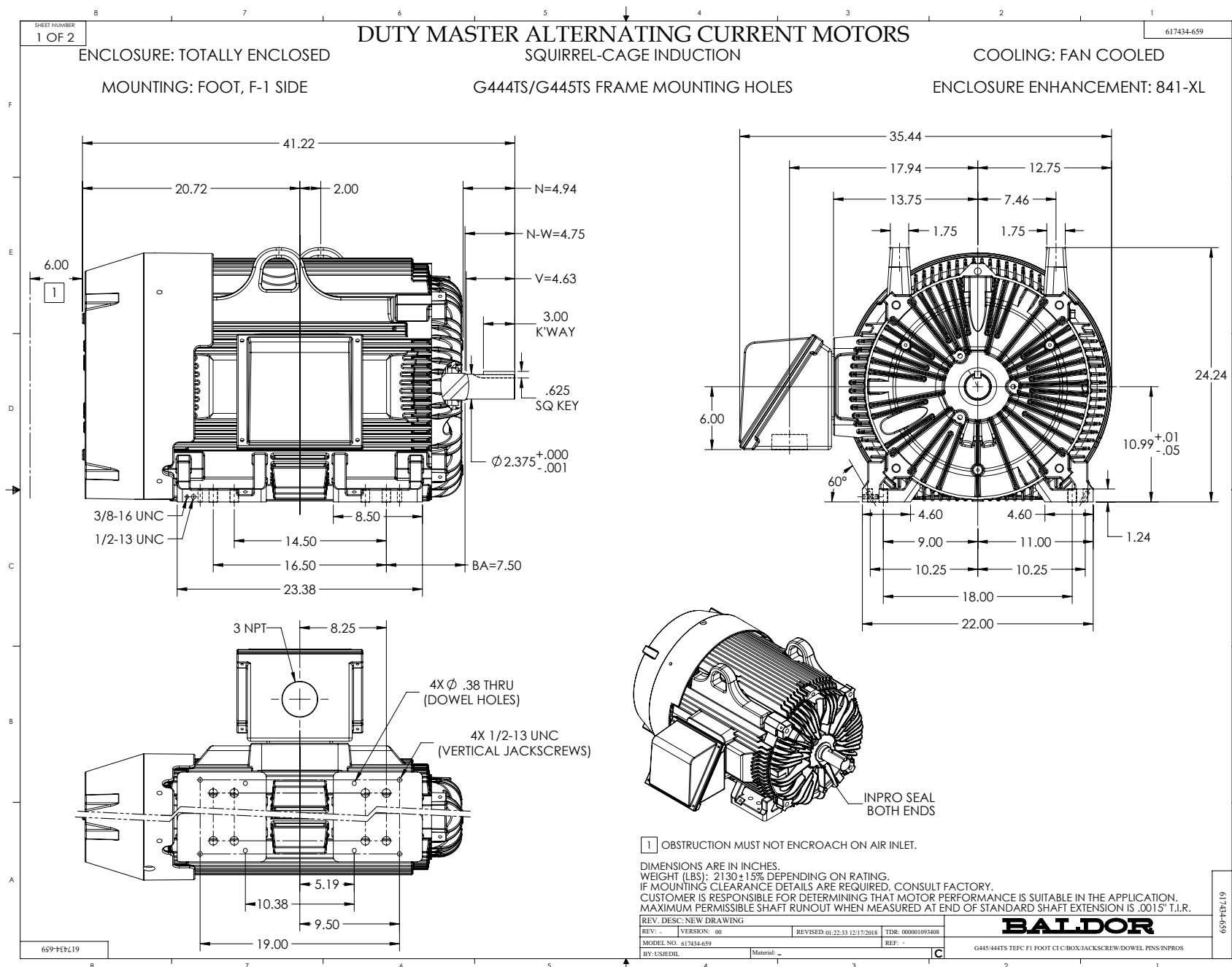


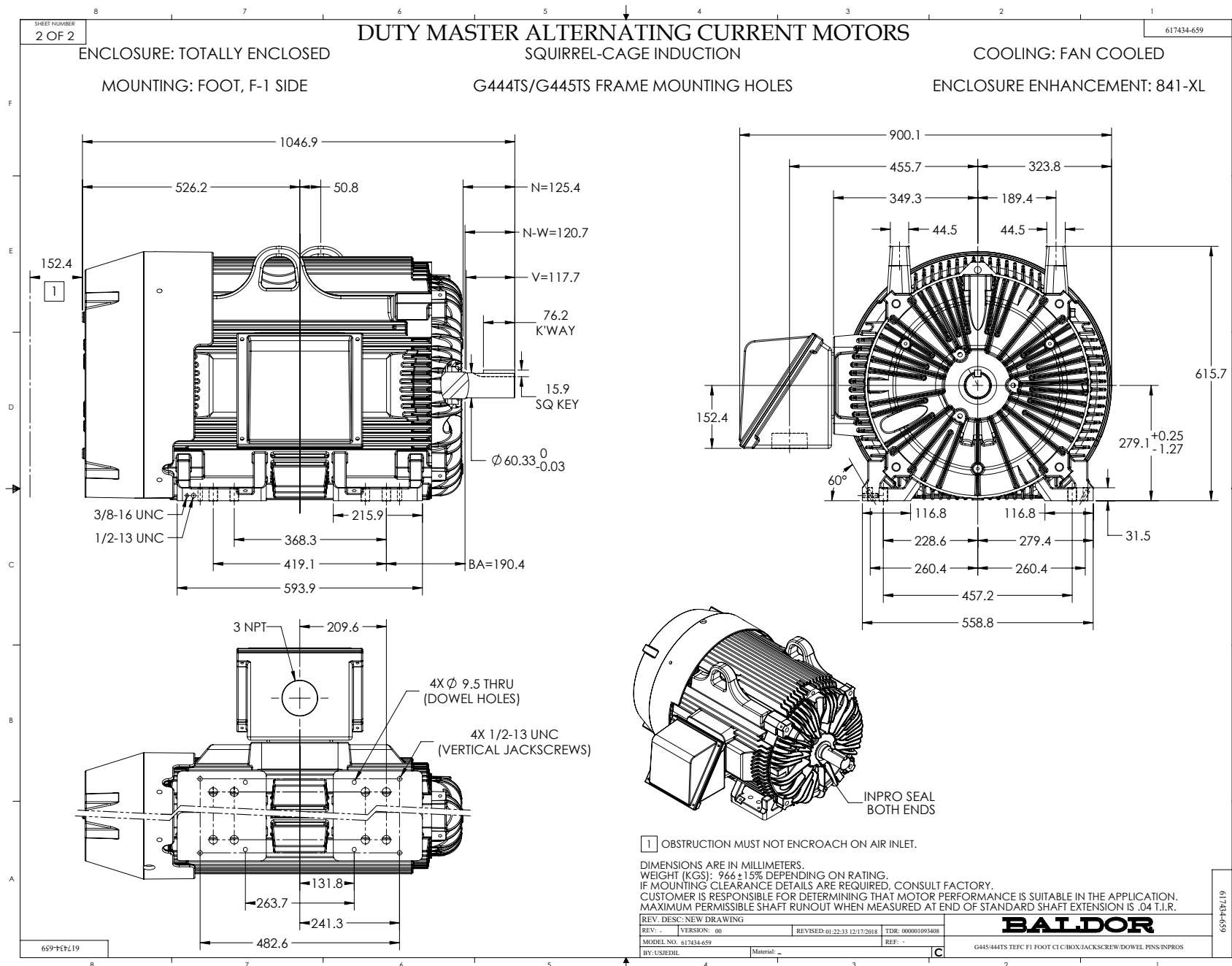
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416820-036

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