

ABB BALDOR RELIANCE III

Customer information packet

ECP4411T-5

125HP, 1190RPM, 3PH, 60HZ, 445T, TEFC, F1

Specifications

Enclosure	TEFC
Frame	445T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	116.000 A @ 575.0 V
Design Code	B
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	116.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	44.97 IN

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2122
Layout	617435-945
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	06
Leads	3#2
Proprietary	False
Created date	10-01-2019

Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

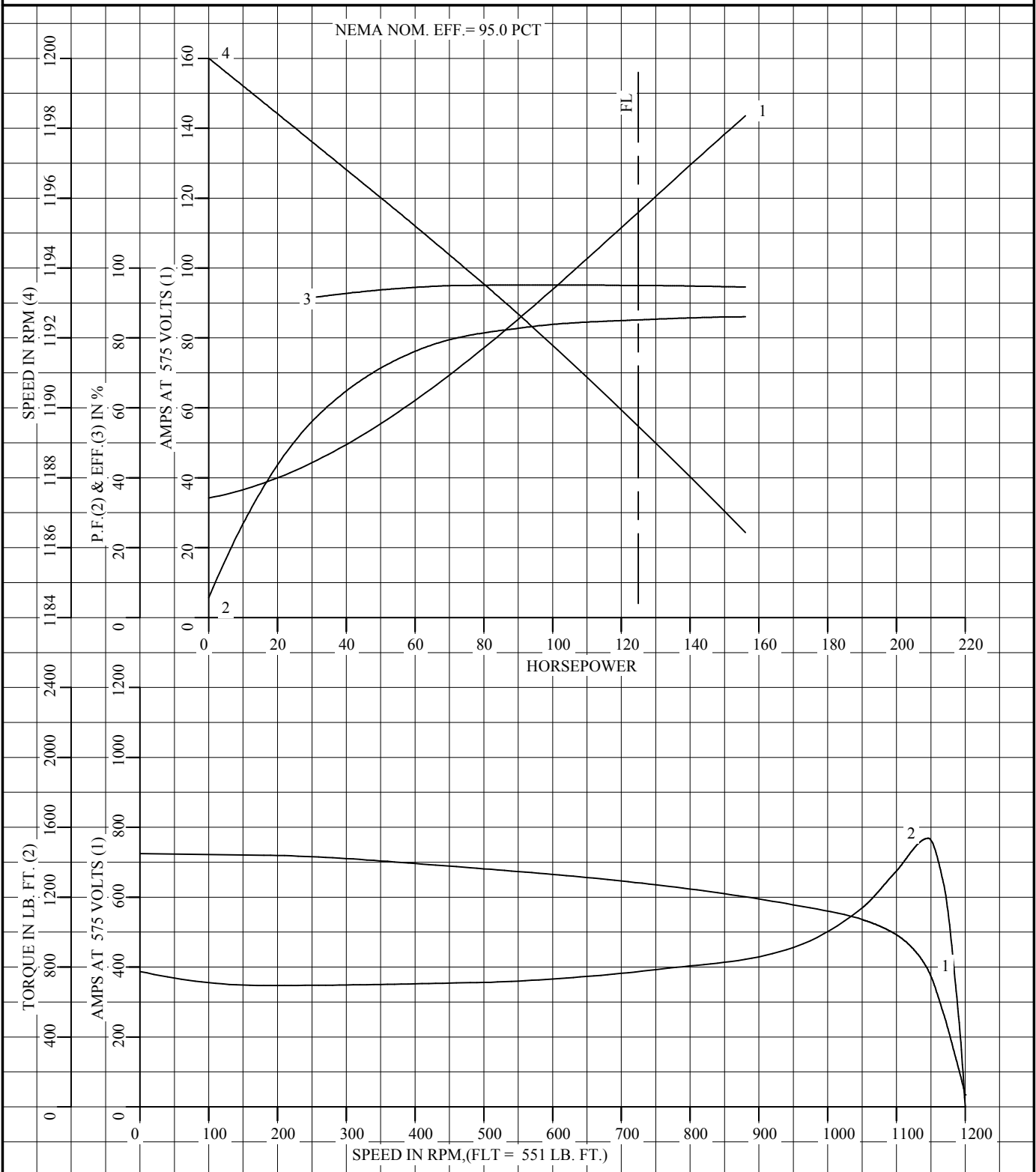
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IP55 CONSTRUCTION	

NP3238

CAT NO	ECP4411T-5			SPEC NO.		A44-8639-2122					
HP	125	AMPS	116	VOLTS		575	DESIGN	B			
FRAME	445T	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	P	ENCL	TEFC	CODE	G		
O.D.E. BRG.	90BC03J30X			POWER FACTOR		85	NEMA NOM EFFICIENCY			95	
3/4 LOAD EFF.	95.1	MAX CORR KVAR		28.0	GUARANTEED EFFICIENCY			94.1			
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							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	125	P	3/60	1190	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
116	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143080GE	---	---	.0639		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	34.3	1200	5.68	0	
1/4	31.3	44.6	1198	57.4	91.7	
2/4	62.5	64.2	1195	77.1	94.6	
3/4	93.7	88.6	1192	83.2	95.1	
4/4	125	116	1190	85.2	95.0	
5/4	156	144	1186	86.1	94.6	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	141	775	725	
PULL UP		180	126	695	720	
BREAKDOWN		1146	279	1537	390	
FULL LOAD		1190	100	551	116	
AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOM. EFF.= 95.0 PCT						
		DR. BY W. L. SMITH CK. BY C. E. JAMISON APP. BY W. L. SMITH DATE 10/16/18		A-C MOTOR PERFORMANCE DATA A44WG2122-R012 ISSUE DATE 05/05/21		

REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418143080GE
FRAME 445T	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125	AMPS 116	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0639
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S -	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 575 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 W. L. SMITH
CK. BY C. E. JAMISON
APP. BY W. L. SMITH
DATE 10/16/18

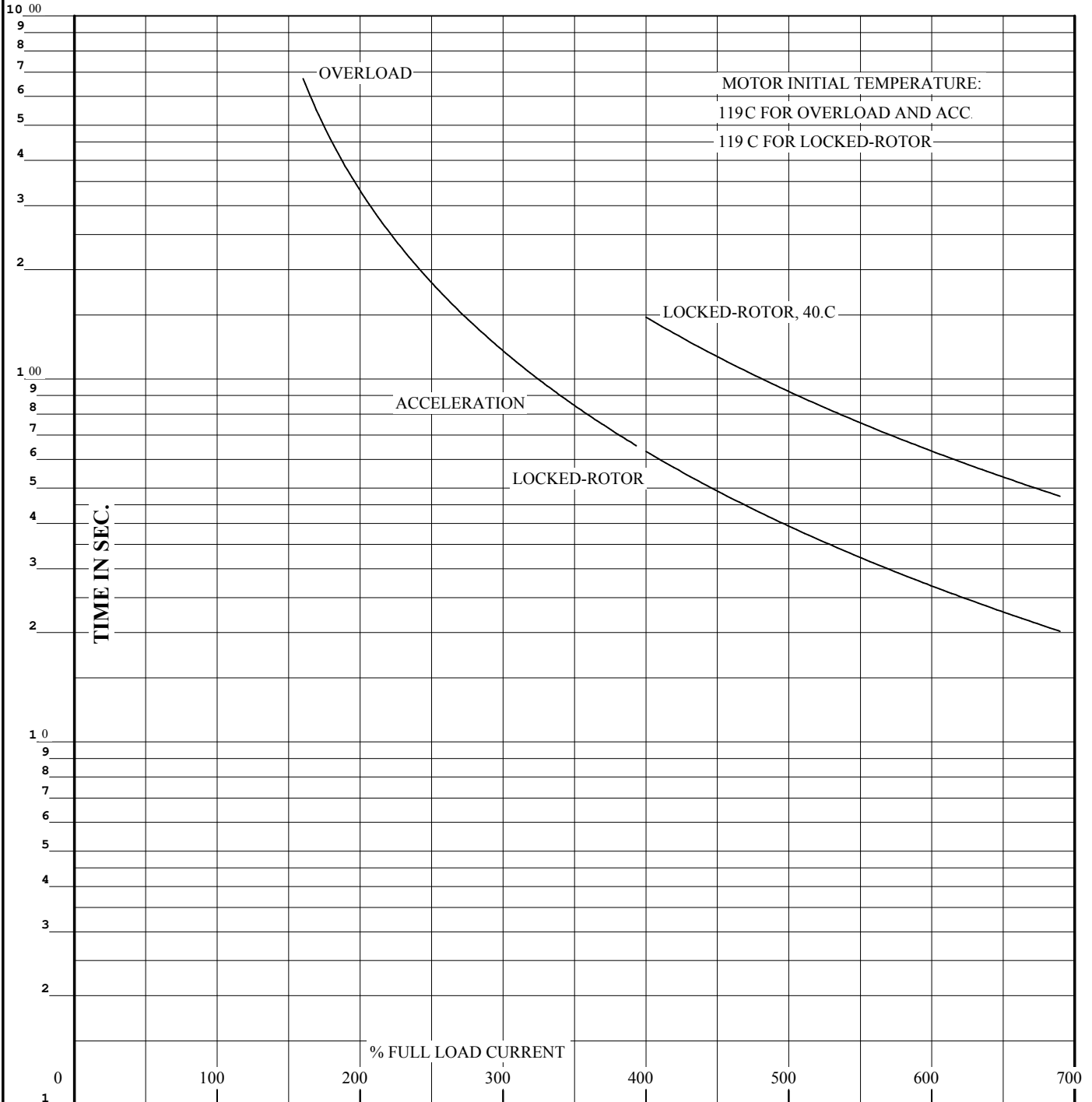
**A-C MOTOR
PERFORMANCE
CURVES**

A44WG2122-R012

ISSUE DATE **05/05/21**

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



THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF.= 95.0 PCT

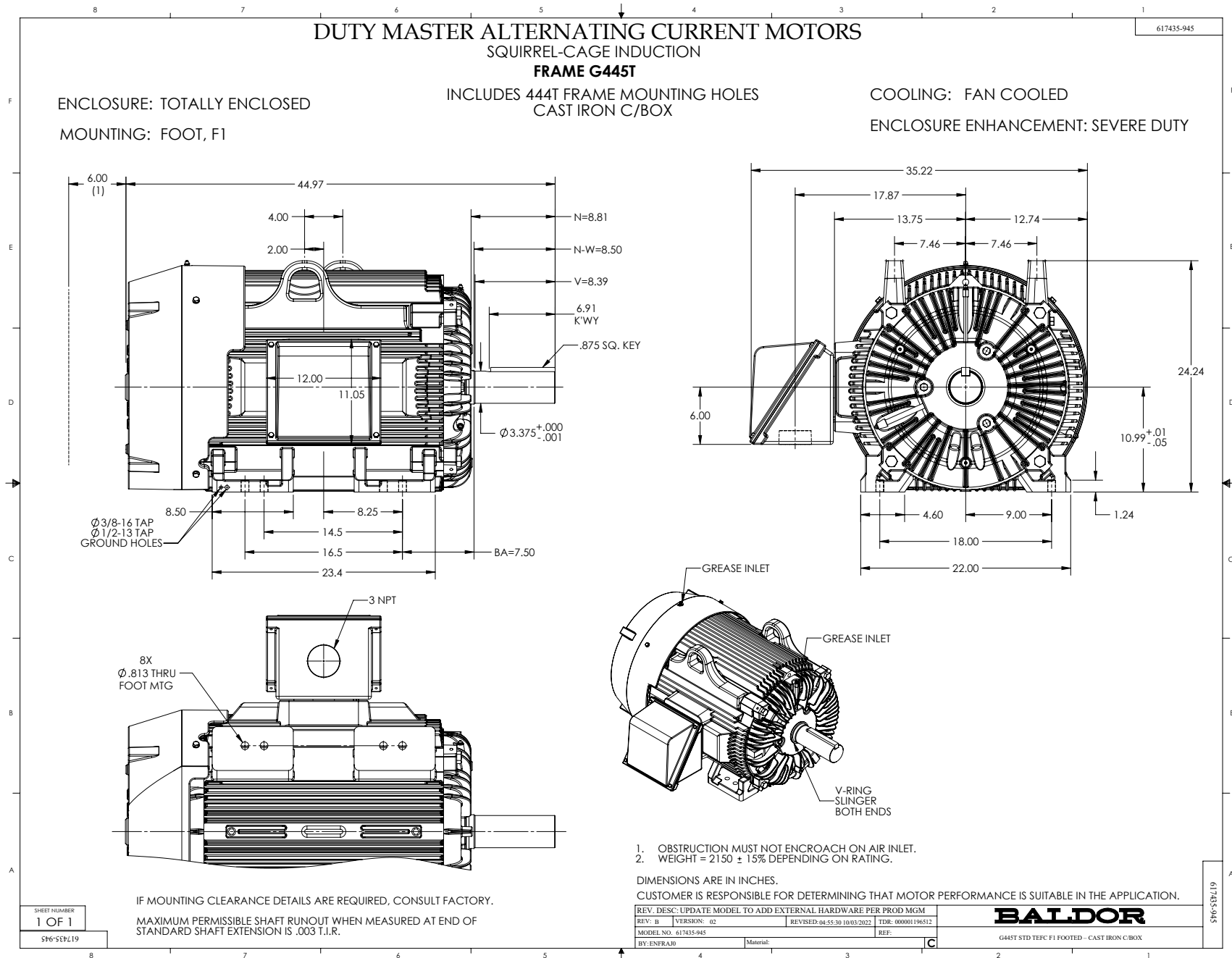
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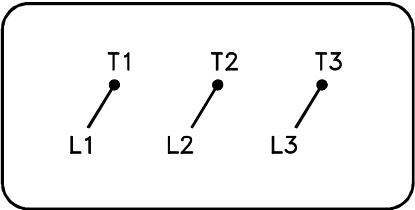
**A-C MOTOR
PERFORMANCE
CURVES**

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ISSUE DATE 05/05/21 Page 9 of 11



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