

ABB BALDOR RELIANCE III

Customer information packet

EWDM4348T

40HP, 890RPM, 3PH, 60HZ, 365T, A36062M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	52.900 A @ 460.0 V 106.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	52.9 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1044
Layout	617428-593
Eff. date	12-09-2021
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	08-20-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	33.48 IN
Power Factor	77
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A36-7288-1044			CAT.NO.	EWDM4348T					FRAME	365T	
HP	40	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	890	AMPS	106/52.9		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03JGG30A			DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	65BC03JGG30A			ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR		77	NEMA-NOM-EFFICIENCY					91.7
						MAX CORR KVAR		12	GUARANTEED EFFICIENCY			90.2
IP55						NEMA NOM/CSA QUOTED EFF						
10:1CT AND 10:1VT ON VPWM INVE						RTER, 1.00SF			MOTOR WEIGHT			

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	40	P	3/60	890	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
106/52.9	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418141088GE	---	---	.0486/.194		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	21.5	900	6.43	0	
1/4	10.0	25.5	897	42.6	86.3	
2/4	20.0	32.5	895	63.3	91.2	
3/4	30.0	42.1	892	72.3	92.2	
4/4	40.0	52.9	888	76.8	92.1	
5/4	50.0	64.7	885	79.1	91.4	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	140	330	282	
PULL UP		225	123	290	265	
BREAKDOWN		845	224	530	157	
FULL LOAD		888	100	236	52.9	
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 NOM. EFF. 91.7 PCT.						
		DR. BY	W. L. SMITH	A-C MOTOR PERFORMANCE DATA		
		CK. BY	C. E. JAMISON			
		APP. BY	W. L. SMITH			
		DATE	08/16/19			
			A36WG1044-R010 ISSUE DATE 10/30/20			

REL S.O.

 RPM **890**

 S.F. **1.15**

 ROTOR **418141088GE**

 FRAME **365T**

 VOLTS **230/460**

 NEMA DESIGN **B**

 TEST S.O. **TYPICAL DATA**

 HP **40**

 AMPS **106/52.9**

 CODE LETTER **G**

 TEST DATE **---**

 TYPE **P**

 DUTY **CONT**

 ENCLOSURE **TEFC**

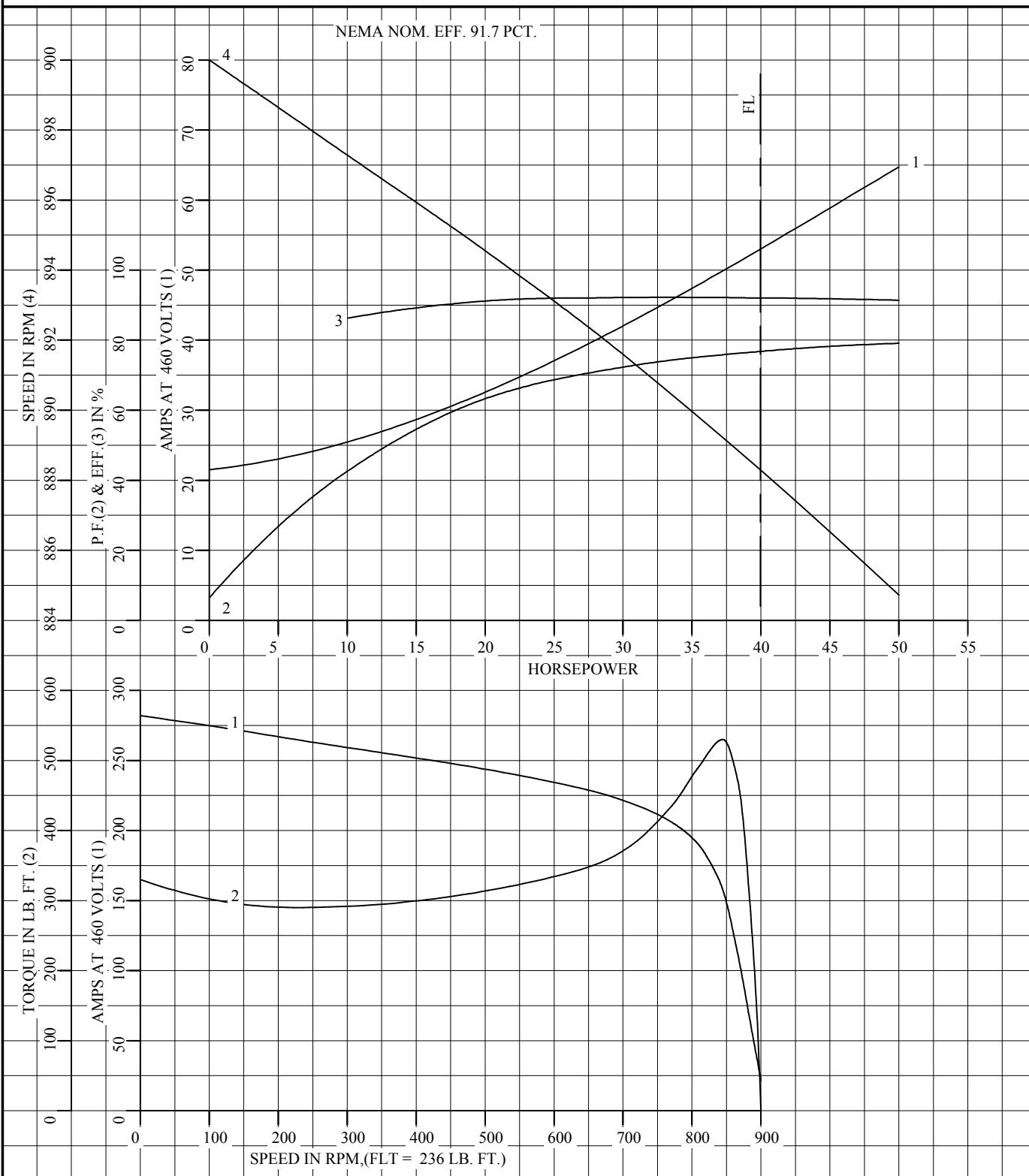
 STATOR RES. @ 25 °C **.0486/.194**

 PHASE/HERTZ **3/60**

 AMB °C/INSUL **40/F**

 E/S **-**

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
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C. E. JAMISON
APP. BY W. L. SMITH
DATE 08/16/19

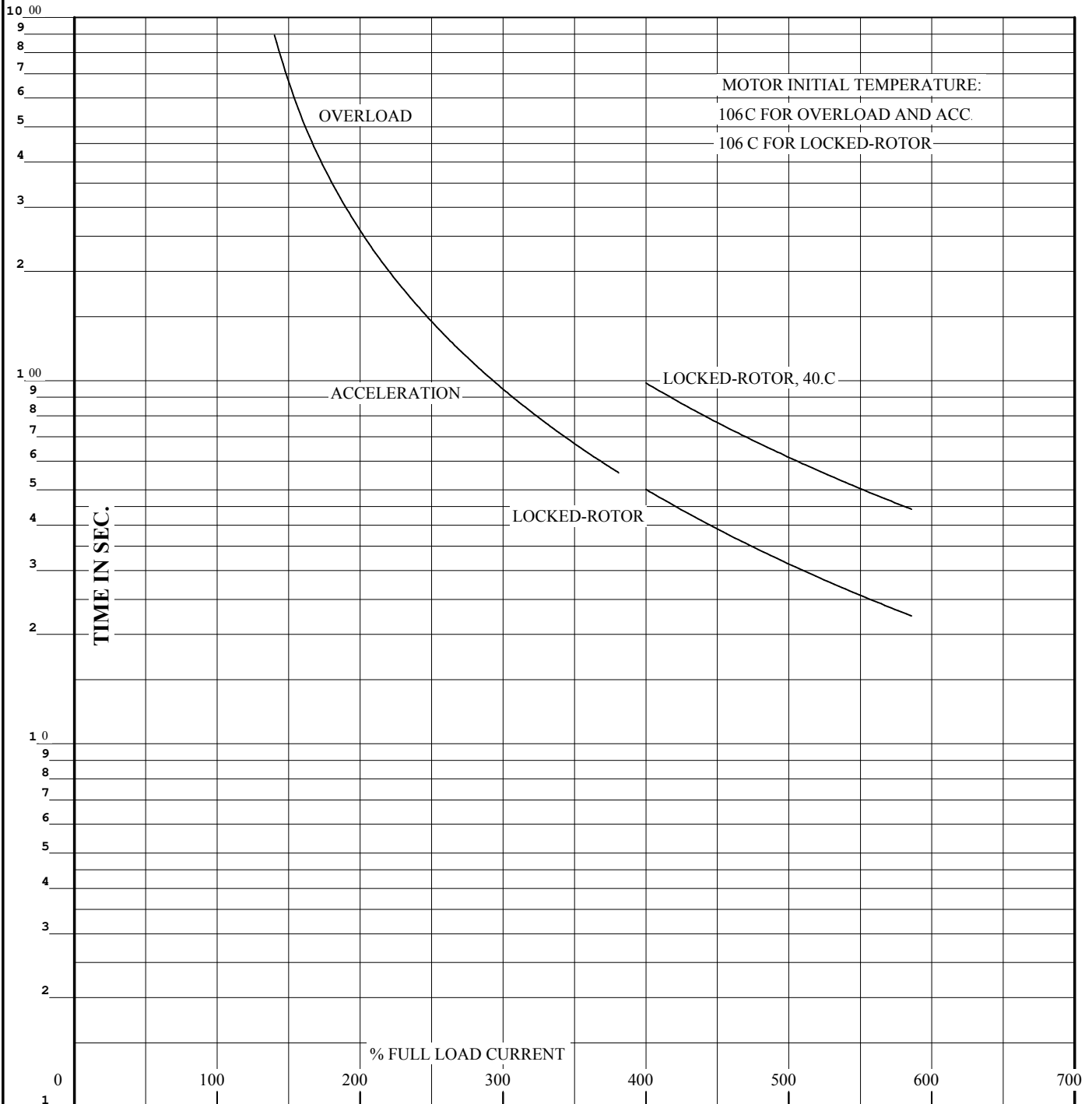
**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1044-R010

ISSUE DATE **10/30/20**

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REL. S.O.	RPM 890	S.F. 1.15	ROTOR 418141088GE
FRAME 365T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 40	AMPS 106/52.9	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0486/.194
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S -	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF. 91.7 PCT.

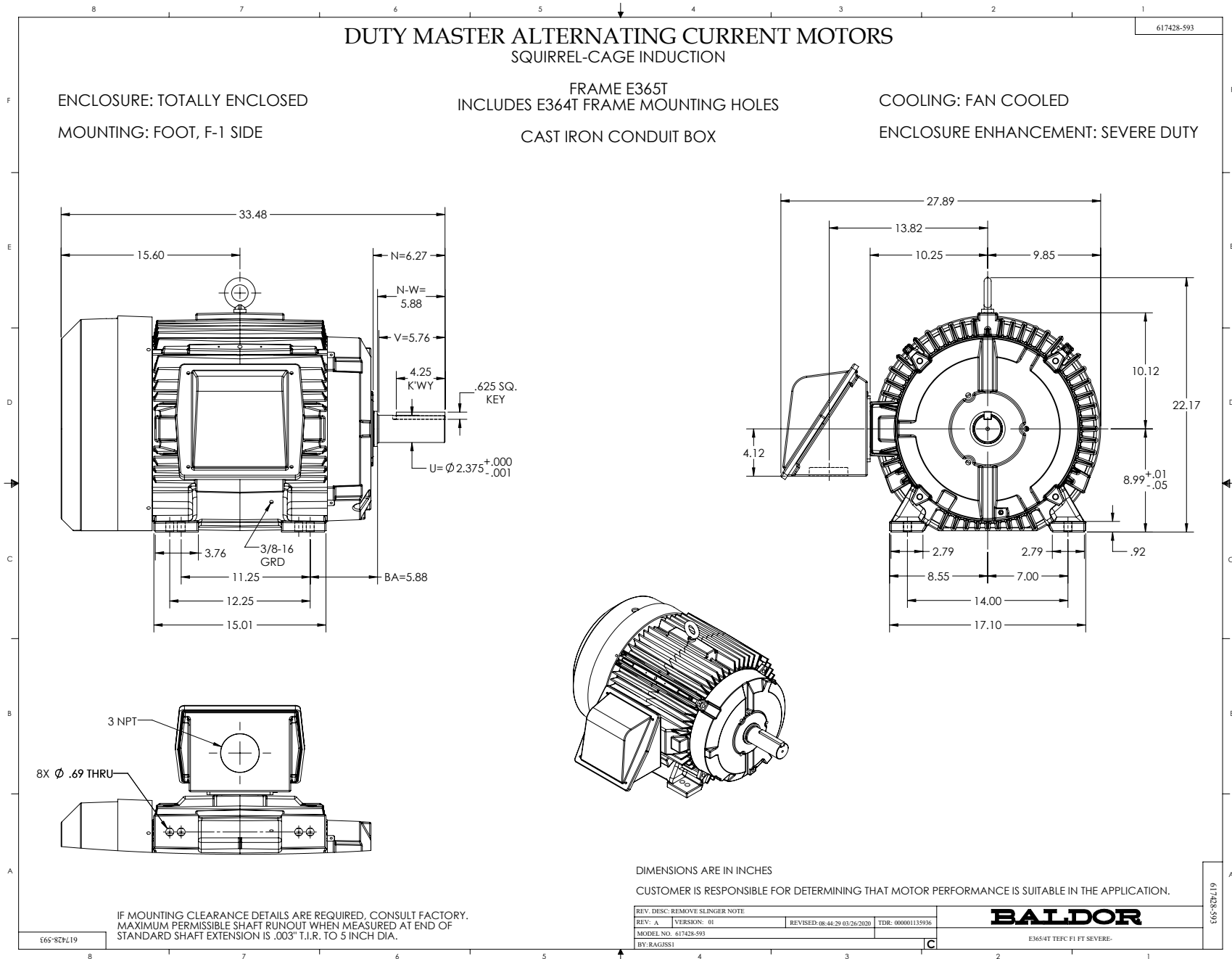
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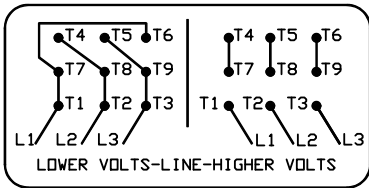
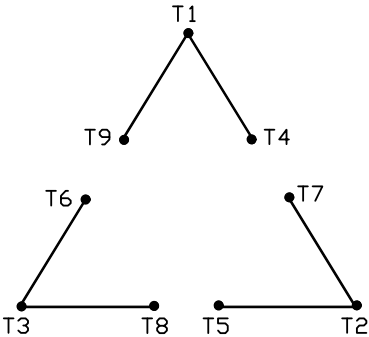
**A-C MOTOR
PERFORMANCE
CURVES**

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416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N. P. 1575-B)

416820-002

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -		



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED
SH1 of 1