

ABB BALDOR RELIANCE III

Customer information packet

CEWDM4308T

40HP, 1190RPM, 3PH, 60HZ, 364TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TC
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	1200 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	99.600 A @ 230.0 V 49.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	49.8 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.	A36WG1194
Layout	617428-348
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	08-22-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.48 IN
Power Factor	80
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 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.	A36-7821-1194			CAT.NO.	CEWDM4308T				FRAME	364TC	
HP	40	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1190	AMPS	99.6/49.8		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		80	NEMA-NOM-EFFICIENCY				94.1	
						MAX CORR KVAR		12	GUARANTEED EFFICIENCY		93
	IP55					NEMA NOM/CSA QUOTED EFF					
	10:1CT AND 10:1VT ON VPWM INVE					RTER, 1.00SF			MOTOR WEIGHT		914

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TC	40	P	3/60	1190	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
99.6/49.8	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491378	418141088JE	---	---	.0373/.149		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	18.5	1200	5.70	0	
1/4	10.0	22.4	1197	47.0	89.2	
2/4	20.0	29.6	1194	67.8	93.2	
3/4	30.0	39.1	1191	76.3	94.1	
4/4	40.0	49.8	1188	79.9	94.1	
5/4	50.0	61.2	1184	81.6	93.7	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-F.T.	AMPERES	
LOCKED ROTOR		0	165	291	300	
PULL UP		480	142	251	274	
BREAKDOWN		1134	251	444	172	
FULL LOAD		1188	100	177	49.8	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 94.1 % GUARANTEED MIN. EFF. 93.0%						
		DR. BY	T.G. KELATI	A-C MOTOR PERFORMANCE DATA		
		CK. BY	D. H. MAY			
		APP. BY	E.J. CHRISTIAN			
		DATE	10/12/06			
			A36WG1194-R013 ISSUE DATE 01/13/21			

REL S.O.

RPM 1190

S.F. 1.15

ROTOR 418141088JE

FRAME 364TC

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 40

AMPS 99.6/49.8

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

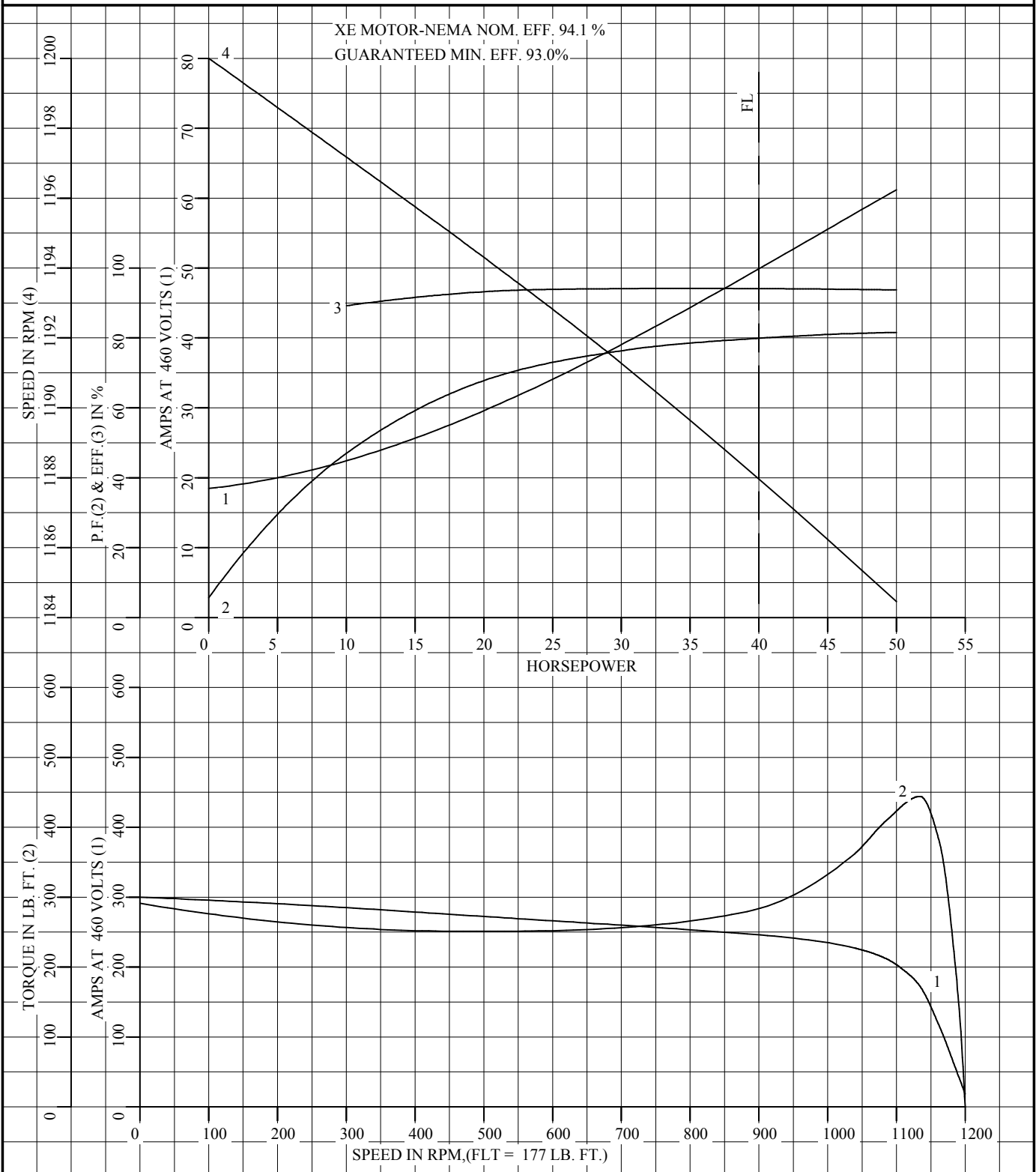
STATOR RES. @ 25 °C .0373/.149

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 491378

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 T.G. KELATI
 CK. BY D.H. MAY
 APP. BY E.J. CHRISTIAN
 DATE 10/12/06

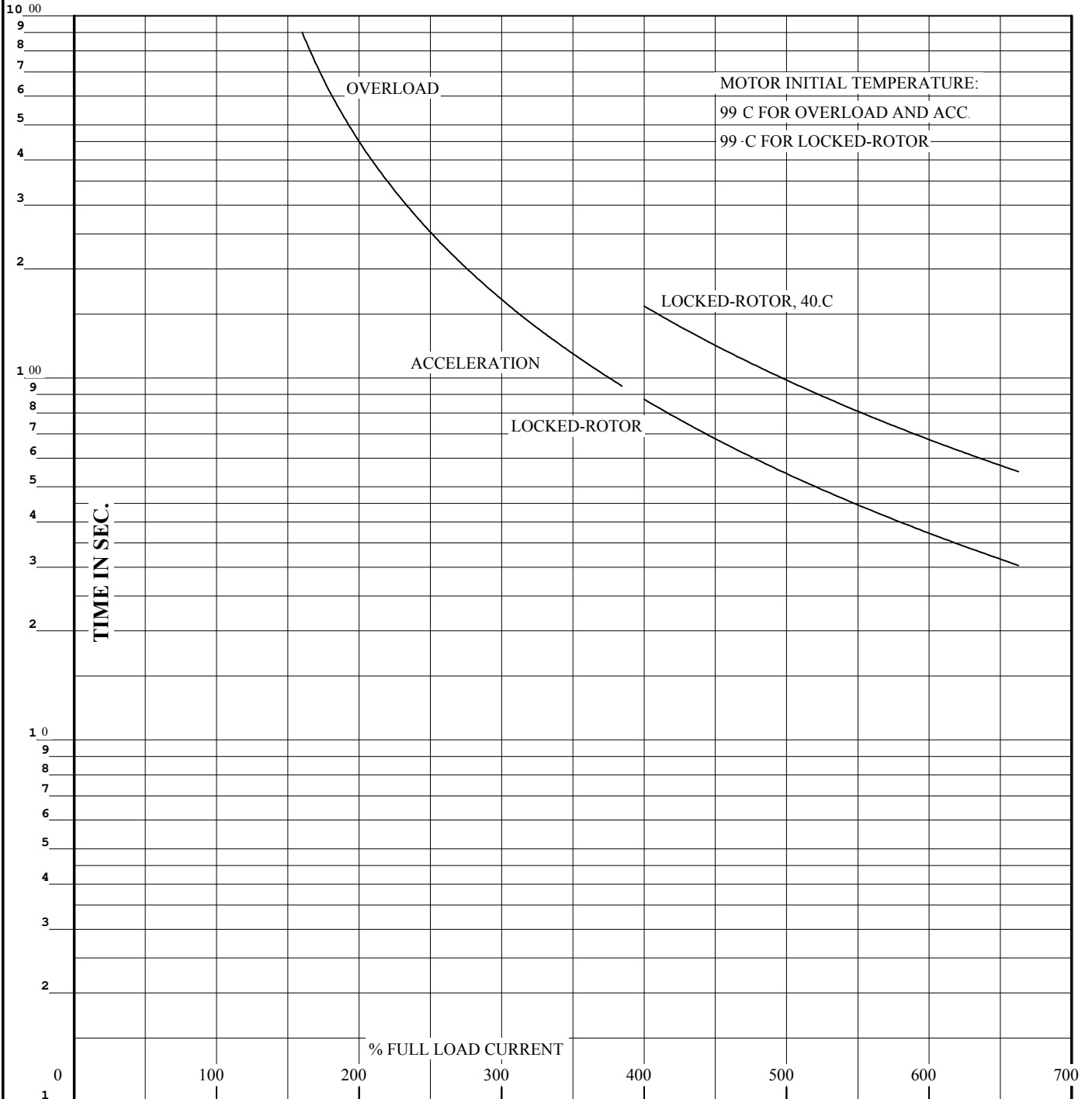
**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1194-R013

ISSUE DATE 01/13/21

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REL. S.O.	RPM 1190	S.F. 1.15	ROTOR 418141088JE
FRAME 364TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 40	AMPS 99.6/49.8	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0373/.149
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 491378	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

XE MOTOR-NEMA NOM. EFF. 94.1 %

GUARANTEED MIN. EFF. 93.0%

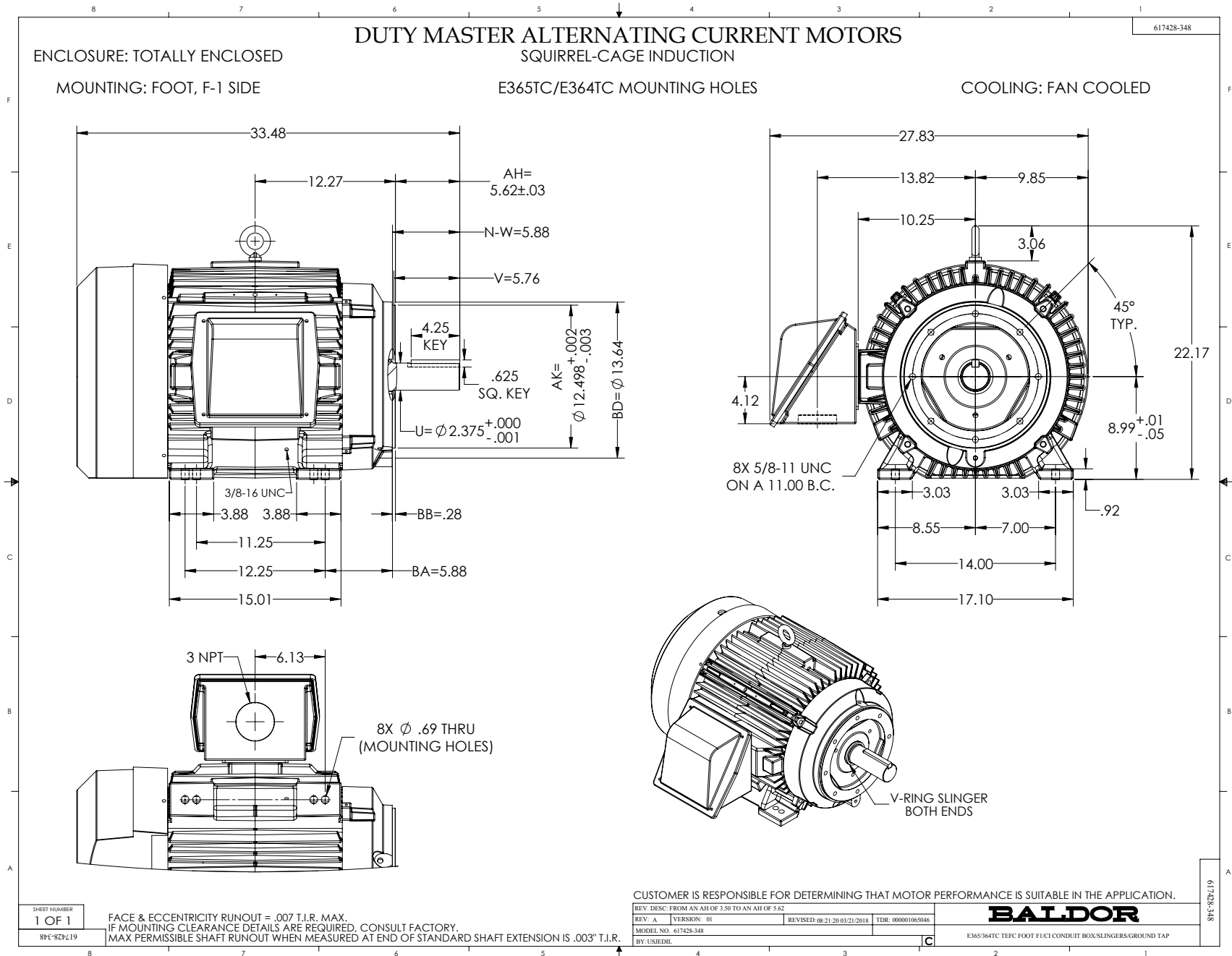
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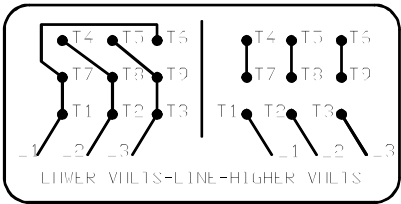
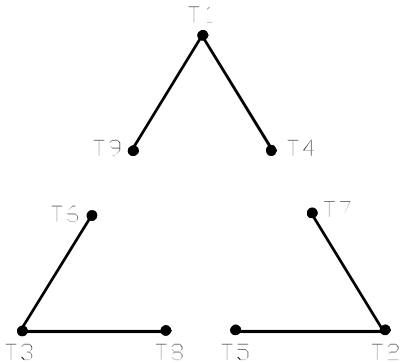
**A-C MOTOR
PERFORMANCE
CURVES**

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416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
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BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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