



Customer information packet

CEWDM4310T

60HP, 3560RPM, 3PH, 60HZ, 364TSC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TSC
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	66.100 A @ 460.0 V 132.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	66.1 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.	A36WG1558
Layout	617428-135
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	02
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	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	91
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

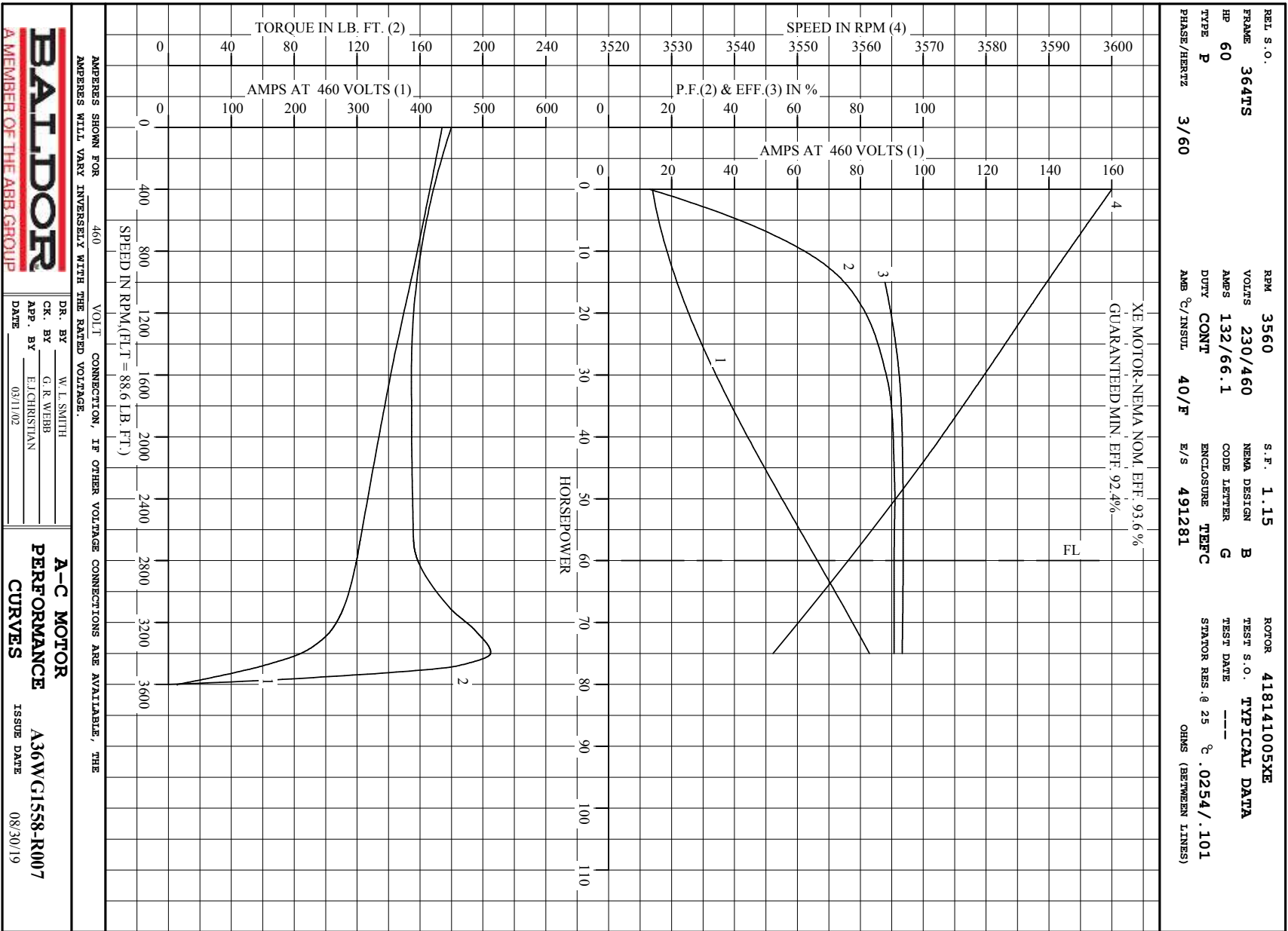
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A36-7816-1558			CAT.NO.	CEWDM4310T					FRAME	364TSC	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3560	AMPS	132/66.1		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		91	NEMA-NOM-EFFICIENCY				93.6	
						MAX CORR KVAR		5	GUARANTEED EFFICIENCY		92.4	
	IP55					NEMA NOM/CSA QUOTED EFF						
	10:1CT AND 10:1VT ON VPWM INVE					RTER, 1.00SF			MOTOR WEIGHT		918	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
132/66.1	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491281	418141005XE	---	---	.0254/.101		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.0	3600	13.0	0	
1/4	15.0	21.3	3590	74.9	87.8	
2/4	30.0	34.5	3580	88.3	92.4	
3/4	45.0	49.7	3569	90.8	93.5	
4/4	60.0	66.1	3558	90.8	93.6	
5/4	75.0	83.0	3546	90.7	93.3	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	203	180	435		
PULL UP	1565	175	155	355		
BREAKDOWN	3397	231	205	212		
FULL LOAD	3558	100	88.6	66.1		
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. 93.6 % GUARANTEED MIN. EFF. 92.4%						
 A MEMBER OF THE ABB GROUP		DR. BY <u>W. L. SMITH</u> CK. BY <u>G. R. WEBB</u> APP. BY <u>E. J. CHRISTIAN</u> DATE <u>03/11/02</u>		A-C MOTOR PERFORMANCE DATA A36WG1558-R007 ISSUE DATE 08/30/19		



REL. S.O.
FRAME 364TS
HP 60
TYPE P
PHASE/HERTZ 3/60

RPM 3560
VOLTS 230/460
AMPS 132/66.1
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER G
ENCLOSURE TEFC
E/S 491281

ROTOR 418141005XE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0254/.101
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1

ACCELERATION
OVERLOAD
LOCKED-ROTOR, 40 C
LOCKED-ROTOR
MOTOR INITIAL TEMPERATURE:
119C FOR OVERLOAD AND ACC
119 C FOR LOCKED-ROTOR

1.00
.9
.8
.7
.6
.5
.4
.3
.2
1
0

TIME IN SEC.

0 200 400 600 800 1000 1200 1400

% FULL LOAD CURRENT

1.0
.9
.8
.7
.6
.5
.4
.3
.2
1
0

THERMAL LIMIT CURVE
REMARKS:
XE MOTOR-NEMA NOM. EFF. 93.6 %
GUARANTEED MIN. EFF. 92.4%

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

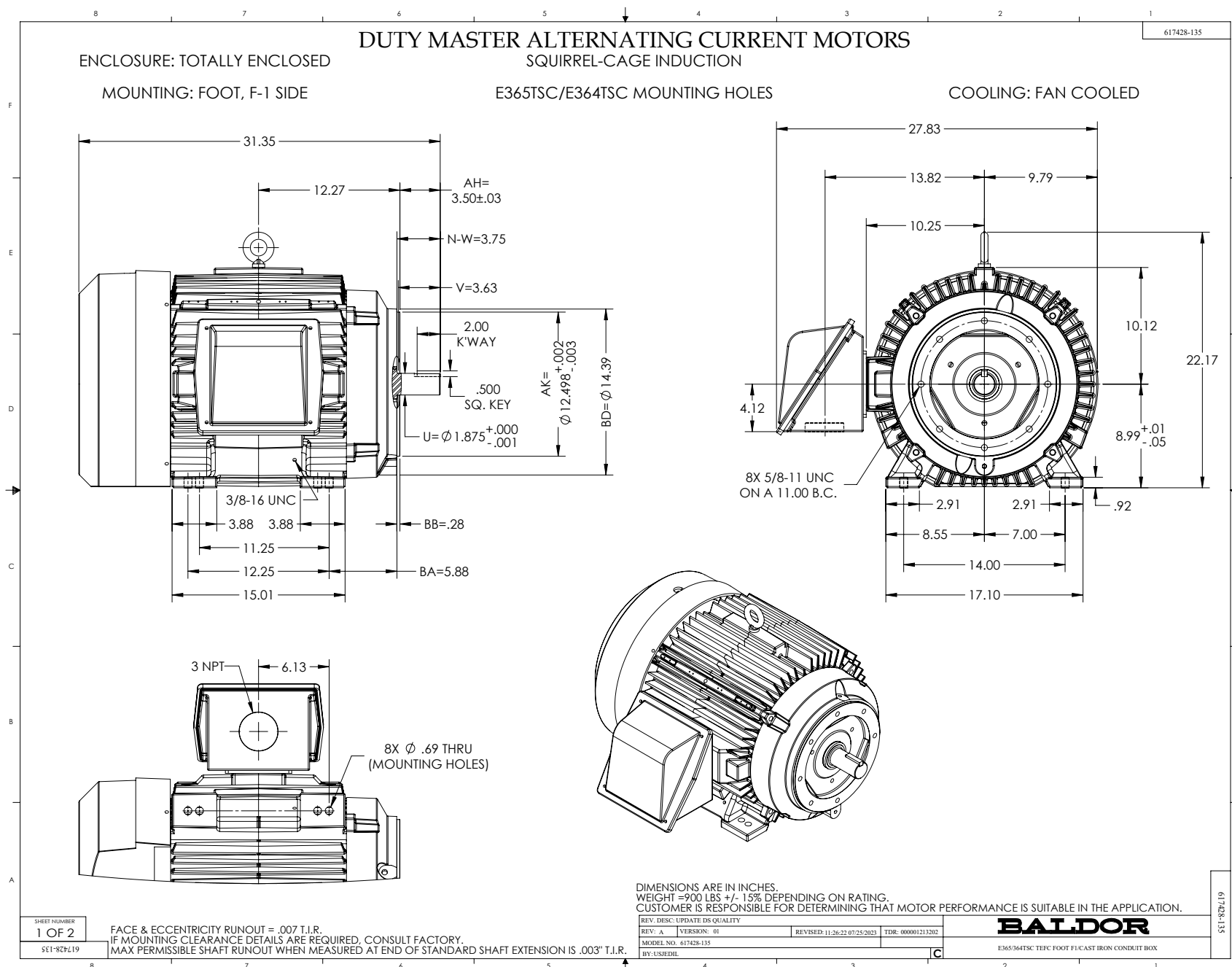
VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

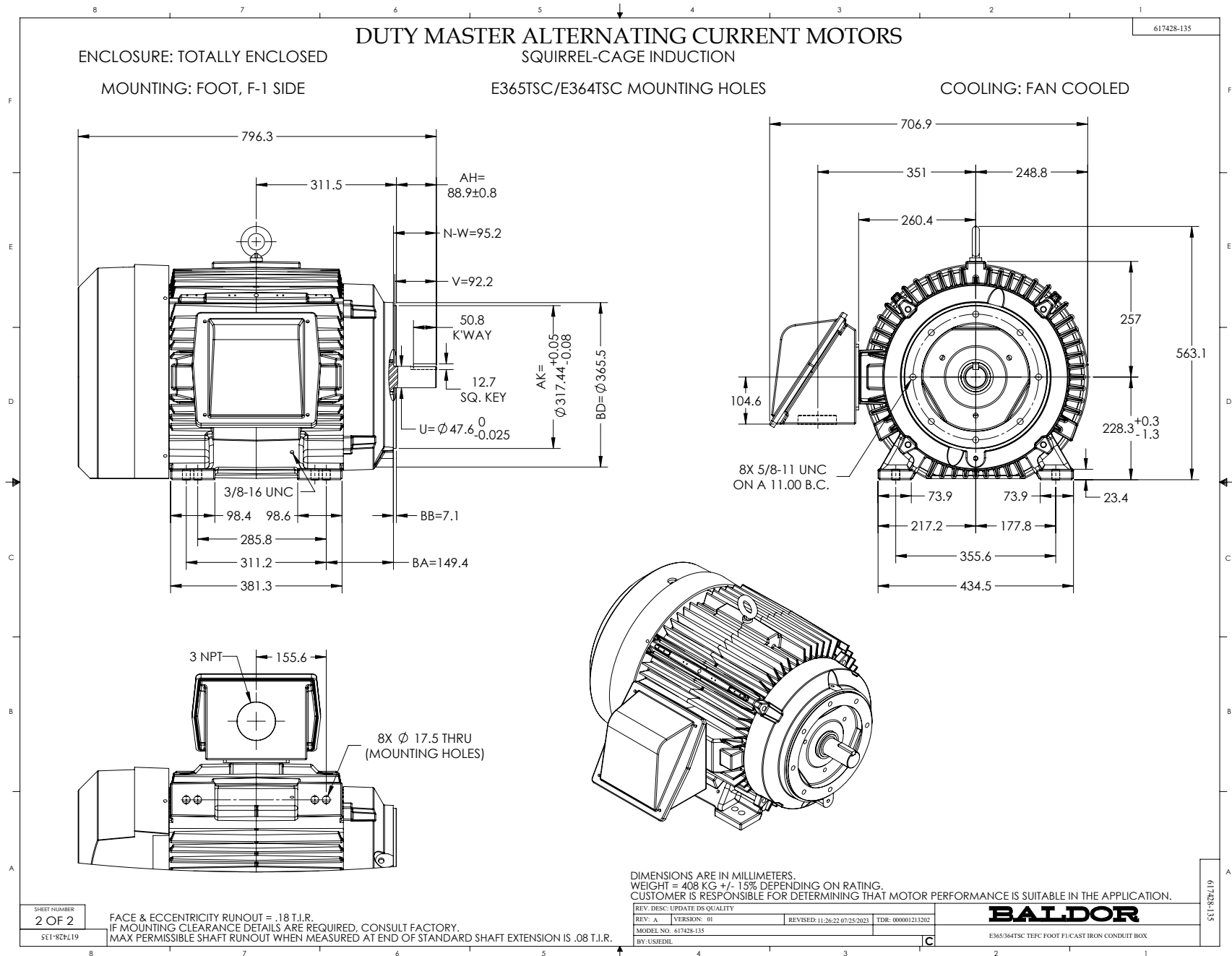
DR. BY W. L. SMITH
CK. BY G. R. WEBB
APP. BY E. J. CHRISTIAN
DATE 03/1/02

A-C MOTOR
PERFORMANCE CURVES
A36WG1558-R007
ISSUE DATE 08/30/19

A MEMBER OF THE ABB GROUP

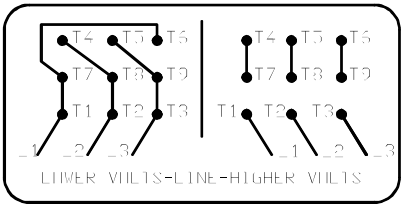
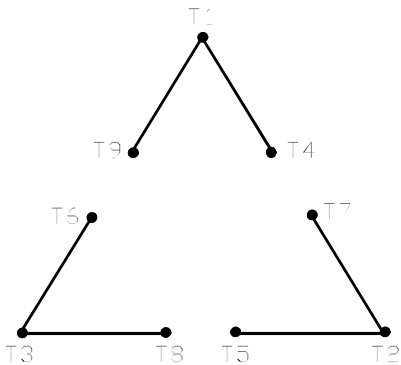
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A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

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CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

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