



Customer information packet

EWDM4313T

75HP, 3555RPM, 3PH, 60HZ, 365TS, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365TS
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	75.000 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	80.700 A @ 460.0 V 161.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 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.	A36WG0319
Layout	617428-298
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	08-30-2019

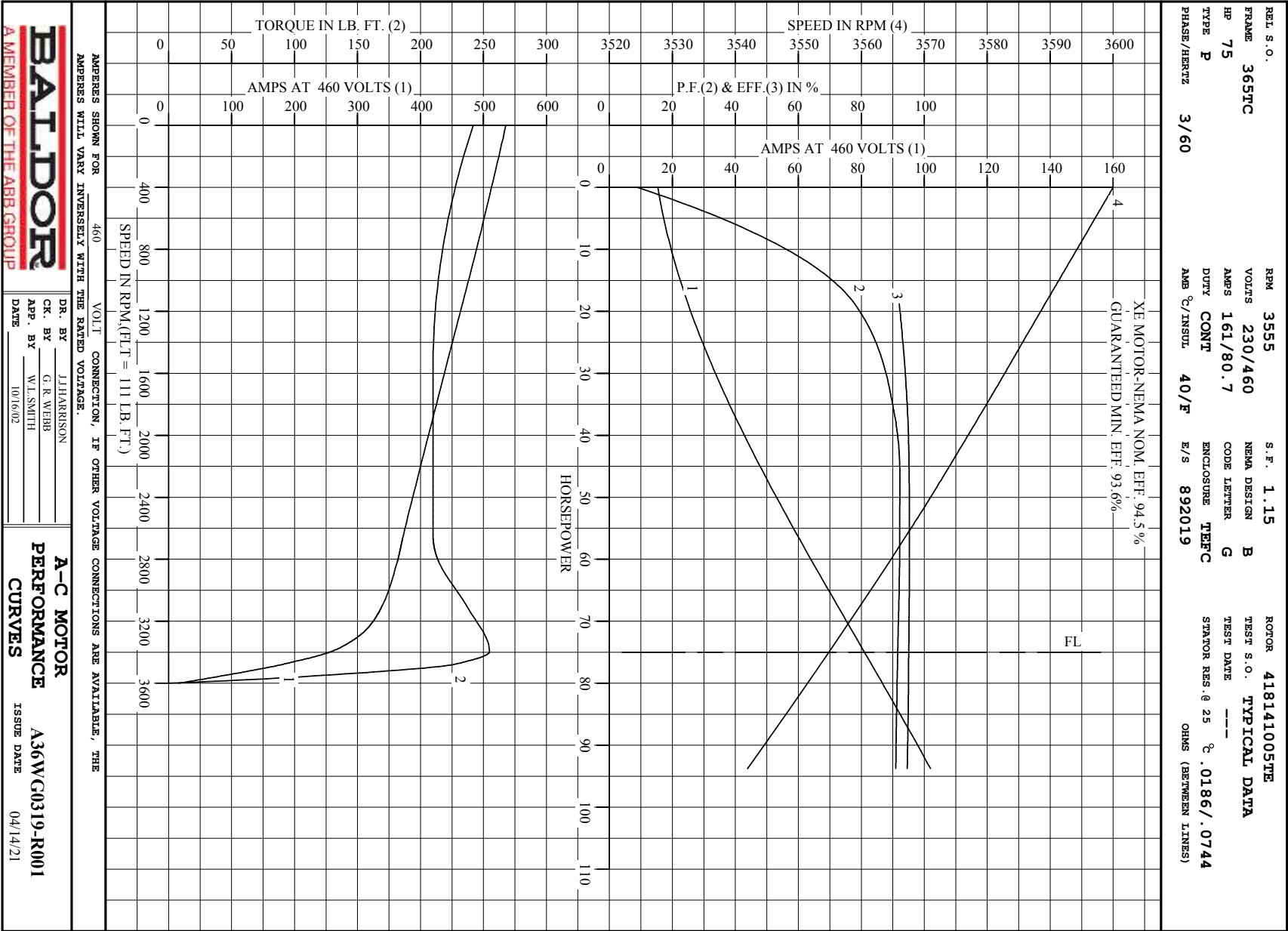
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	92
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 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.	A36-7830-0319			CAT.NO.	EWD4313T					FRAME	365TS	
HP	75	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3555	AMPS	161/80.7		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	92	NEMA-NOM-EFFICIENCY					94.5	
						MAX CORR KVAR	5	GUARANTEED EFFICIENCY				93.6
	IP55					NEMA NOM/CSA QUOTED EFF						
	4:1CT AND 4:1VT ON VPWM INVERT					ER, 1.00SF				MOTOR WEIGHT		



REL. S.O.
FRAME 365TC
HP 75
TYPE P
PHASE/HERTZ 3/60

RPM 3555
VOLTS 230/460
AMPS 161/80.7
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER G
ENCLOSURE TEFC
E/S 892019

ROTOR 418141005TE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0186/.0744
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1.00

ACCELERATION
LOCKED-ROTOR, 40 C
LOCKED-ROTOR
OVERLOAD
MOTOR INITIAL TEMPERATURE:
132C FOR OVERLOAD AND ACC
132 C FOR LOCKED-ROTOR

TIME IN SEC.

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

200 400 600 800 1000 1200 1400

% FULL LOAD CURRENT

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

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

DR. BY J.HARRISON
CK. BY G.R.WEBB
APP. BY W.L.SMITH
DATE 10/6/02

A-C MOTOR
PERFORMANCE
CURVES

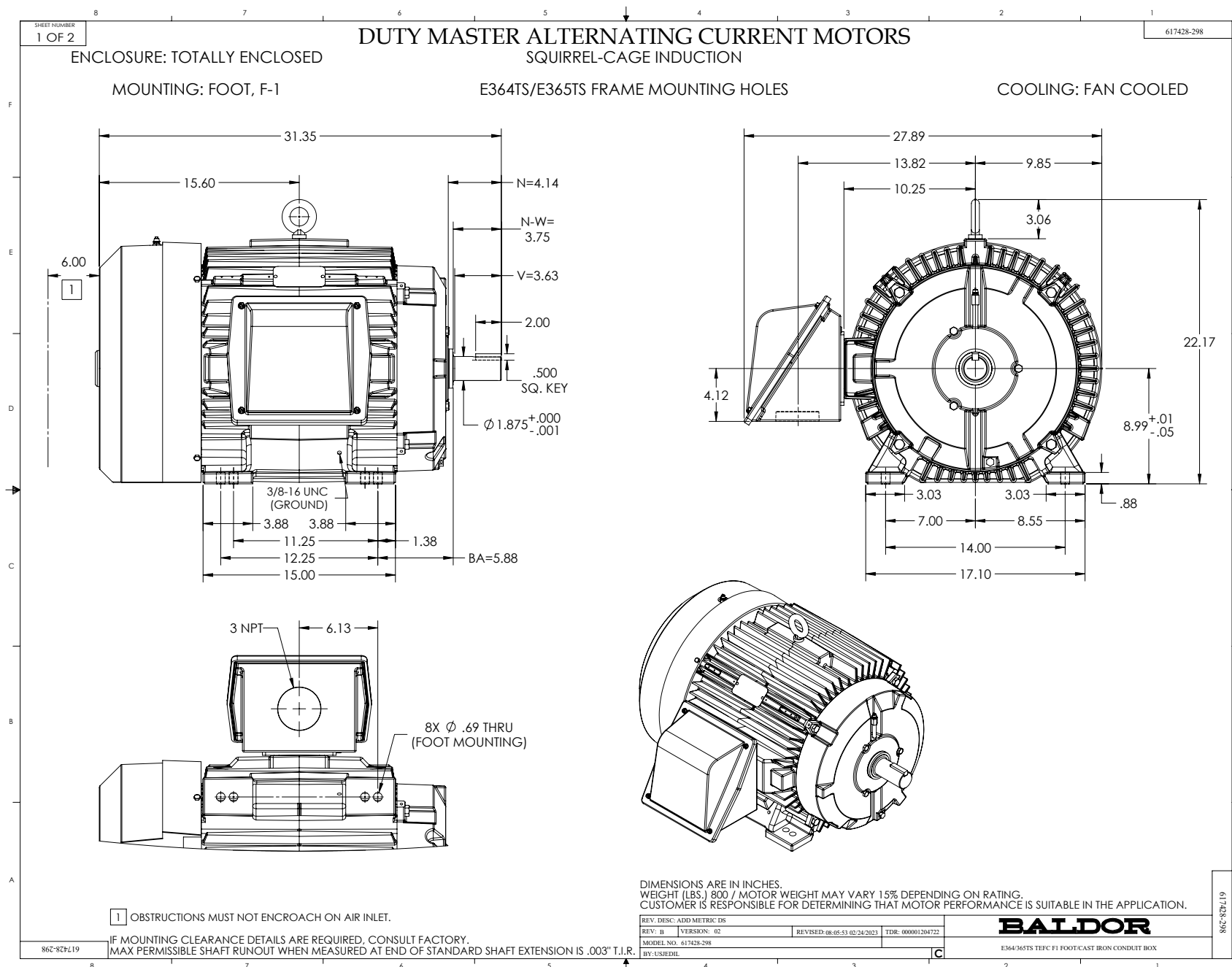
A36WG0319-R001
ISSUE DATE 04/14/21

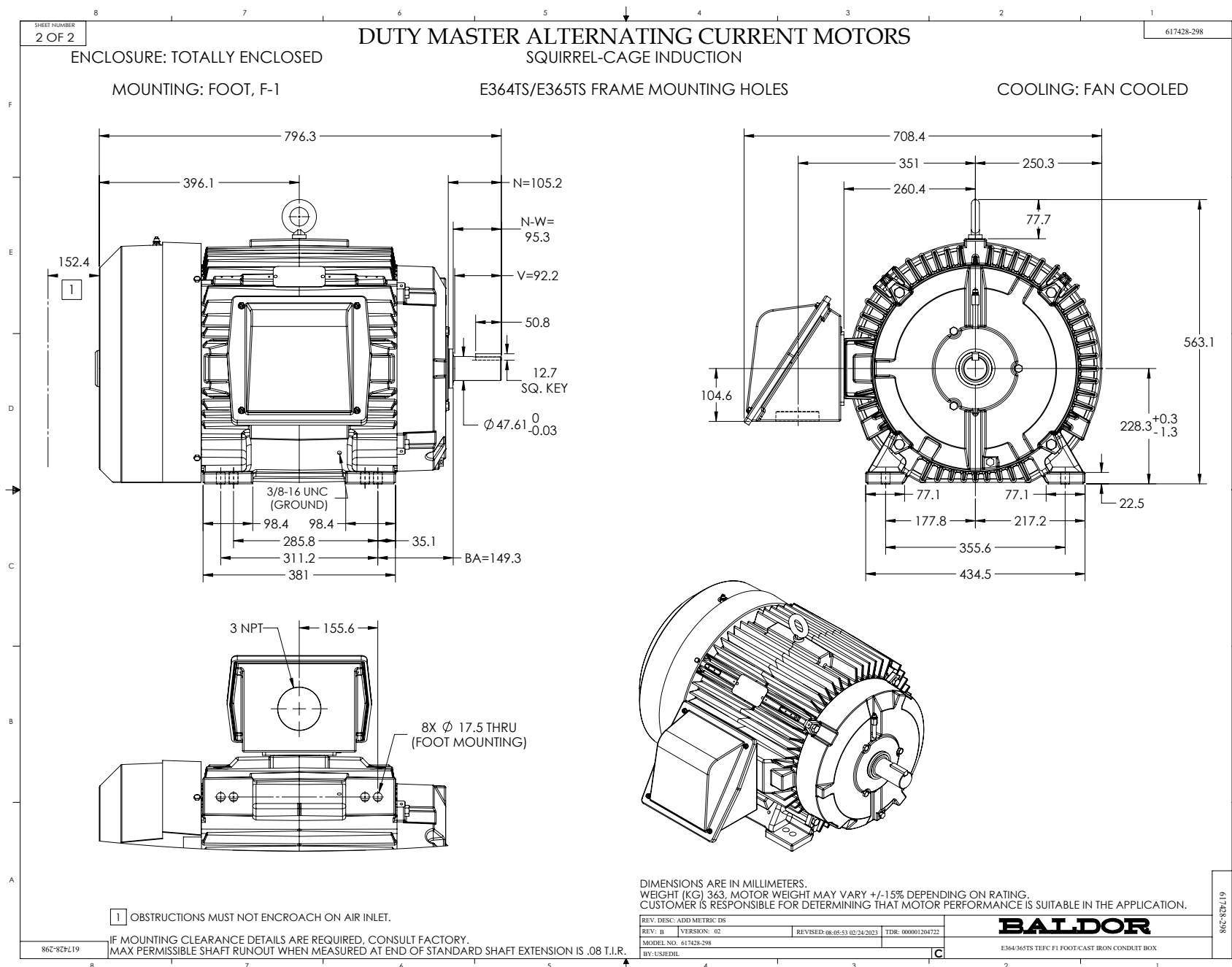
REMARKS:
THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 94.5 %
GUARANTEED MIN. EFF. 93.6%

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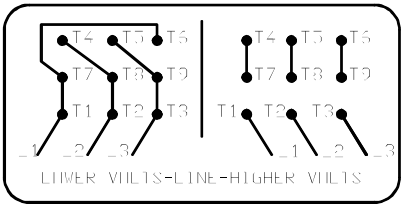
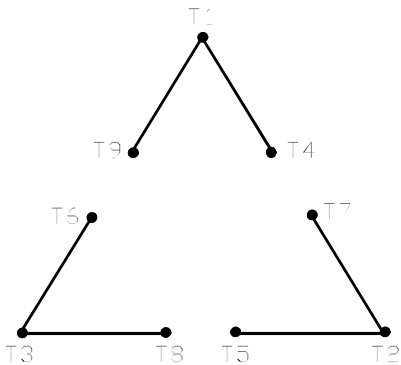
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416820-002

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
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