



Customer information packet

EWDM4468T

60HP, 890RPM, 3PH, 60HZ, 405T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405T
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	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	157.000 A @ 230.0 V 78.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	78.4 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0790
Layout	617429-533
Eff. date	11-01-2021
CD Diagram	416820-002
Poles	08
Leads	3#4,6#6
Proprietary	False
Created date	09-11-2019

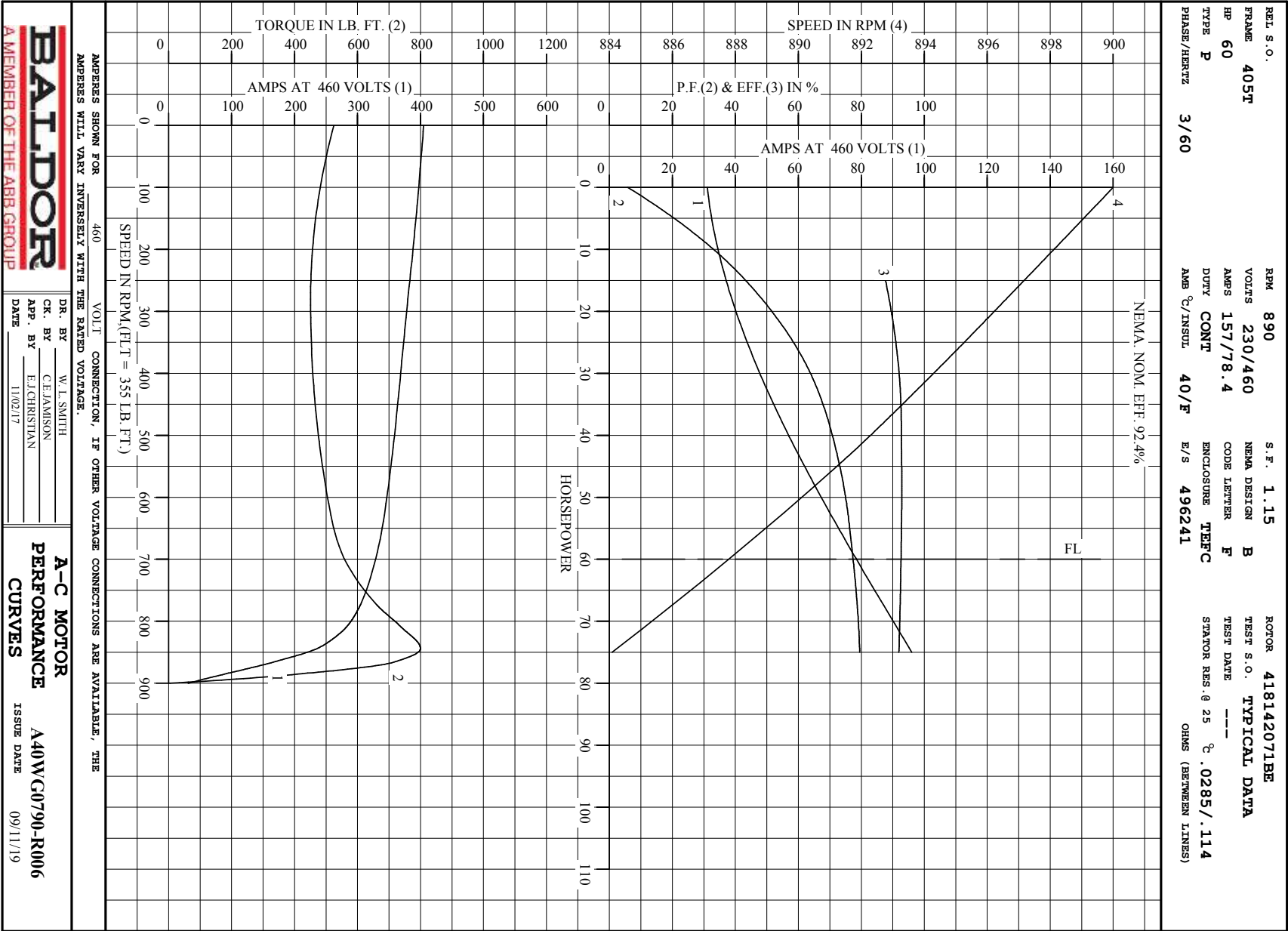
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40060M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	38.19 IN
Power Factor	77
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground 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.	A40-6570-0790			CAT.NO.	EWD4468T					FRAME	405T	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	890	AMPS	157/78.4		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	80BC03JPP30A			DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	80BC03JPP30A			ENCL	TEFC	CODE	F					
SER.NO.				POWER FACTOR		77	NEMA-NOM-EFFICIENCY				92.4	
						MAX CORR KVAR		18	GUARANTEED EFFICIENCY		91	
	IP55					NEMA NOM/CSA QUOTED EFF						
	4:1CT AND 4:1VT ON VPWM INVERT					ER, 1.00SF			MOTOR WEIGHT			



REL. S.O. 405T
FRAME 405T
HP 60
TYPE P
PHASE/HERTZ 3/60

RPM 890
VOLTS 230/460
AMPS 157/78.4
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 496241

ROTOR 418142071BE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0285/.114
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1

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

TIME IN SEC.

OVERLOAD
119C FOR OVERLOAD AND ACC
119 C FOR LOCKED-ROTOR

ACCELERATION

LOCKED-ROTOR, 40.C

LOCKED-ROTOR

0 100 200 300 400 500 600 700

% FULL LOAD CURRENT

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

0 100 200 300 400 500 600 700

THERMAL LIMIT CURVE
NEMA, NOM. EFF. 92.4%

REMARKS:

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

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

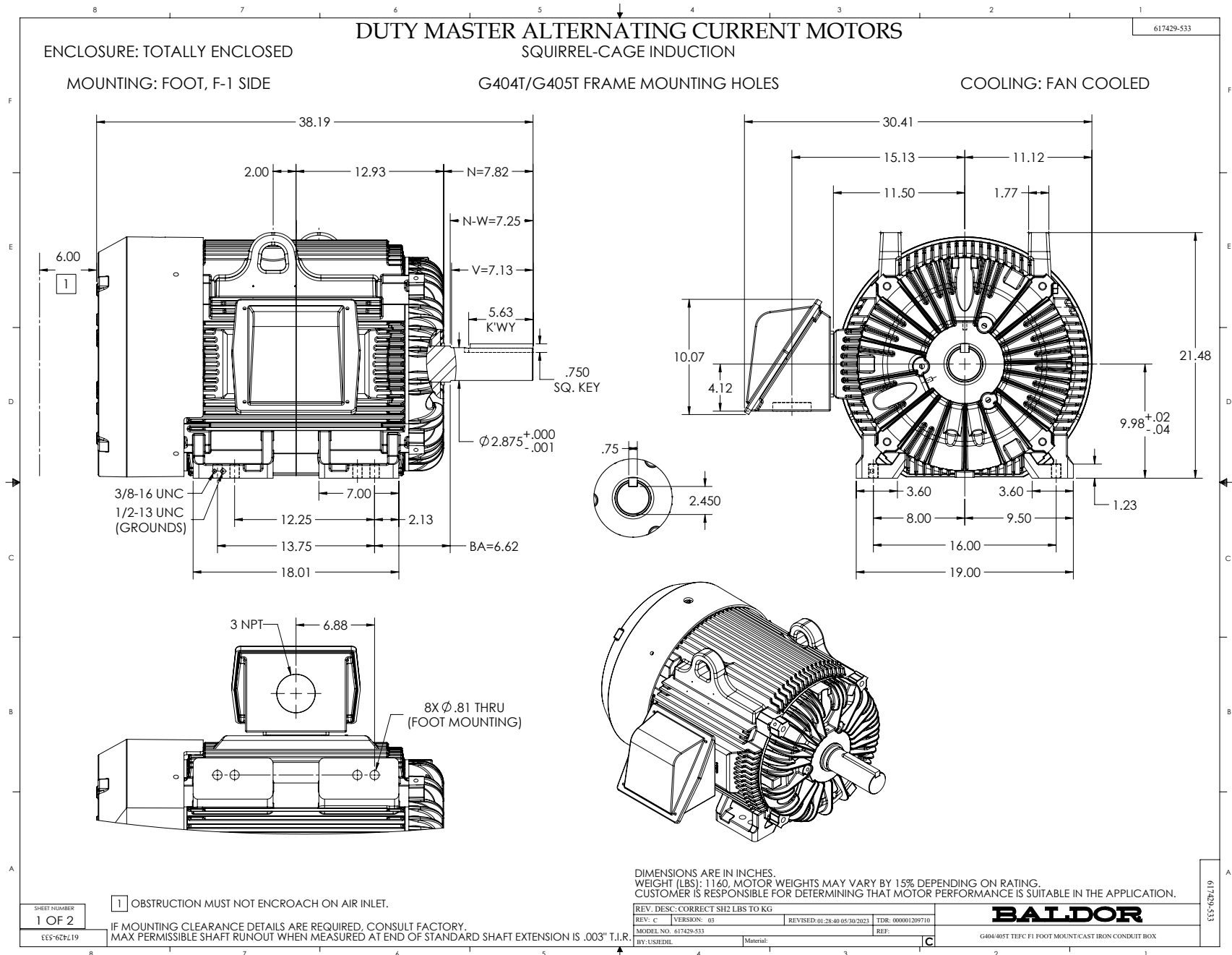
DR. BY W.L. SMITH
CK. BY C.E. JAMISON
APP. BY E.J. CHRISTIAN
DATE 11/02/17

A-C MOTOR
PERFORMANCE
CURVES

A40WG0790-R006
ISSUE DATE 09/11/19

A MEMBER OF THE ABB GROUP

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DUTY MASTER ALTERNATING CURRENT MOTORS

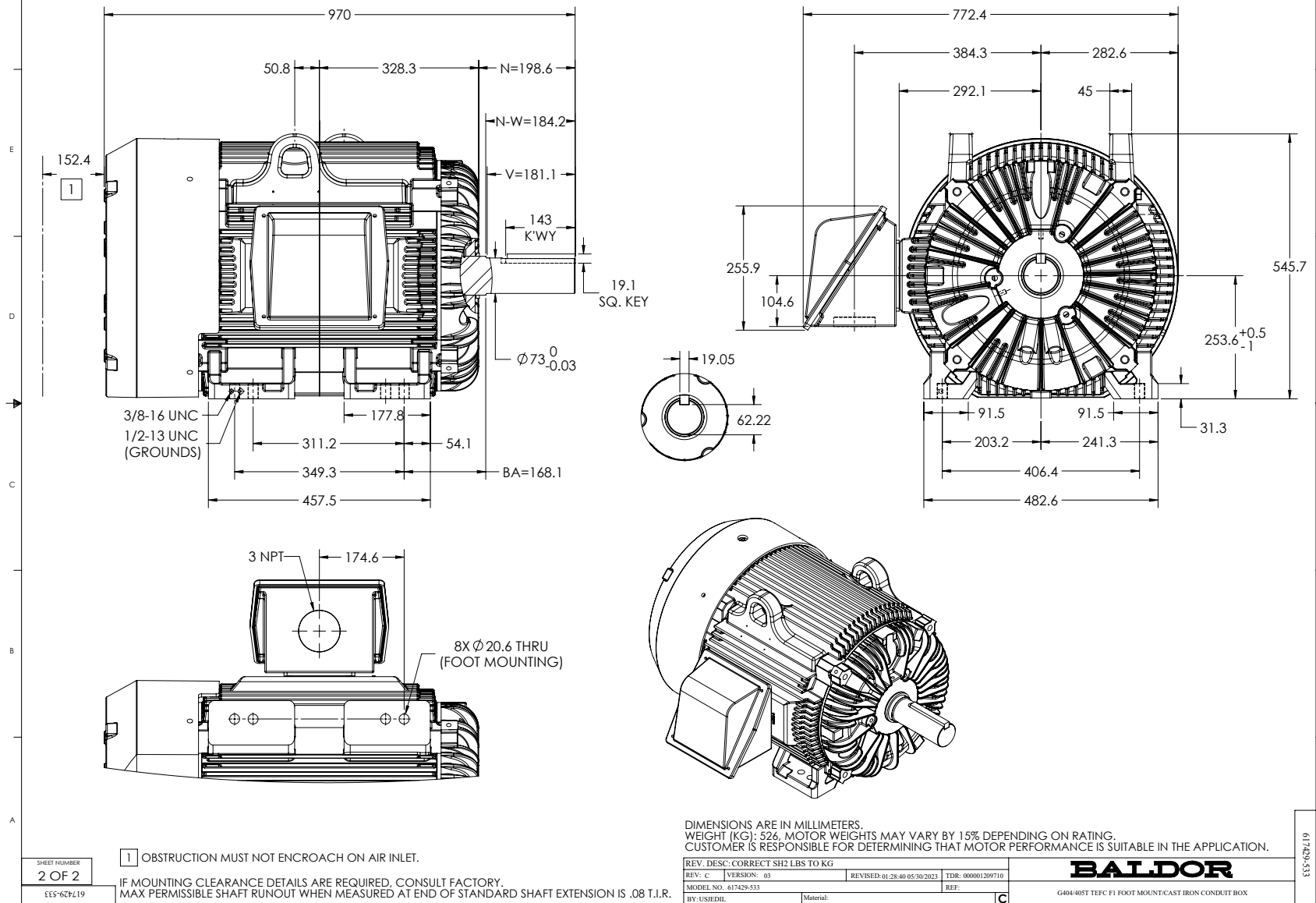
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

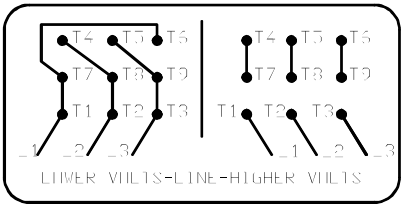
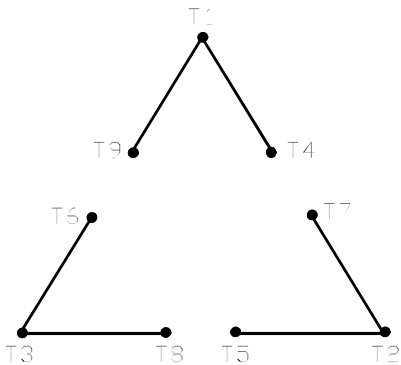
G404T/G405T FRAME MOUNTING HOLES

COOLING: FAN COOLED



416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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BALDOR - RELIANCE®

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

416820-002