



Customer information packet

ECP49404T-5

400HP, 1785RPM, 3PH, 60HZ, L449T, TEFC, F1

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	400.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	30-60
Current @ Voltage	356.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Frame Prefix	L
Haz Area Temp Code	T2C
Heater Indicator	No Heater
High Voltage Full Load Amps	356.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Motor Lead Quantity/Wire Size	12 @ 1 AWG

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5532
Layout	617423-494
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	04
Leads	3#1 (04 per group)
Proprietary	False
Created date	08-25-2017

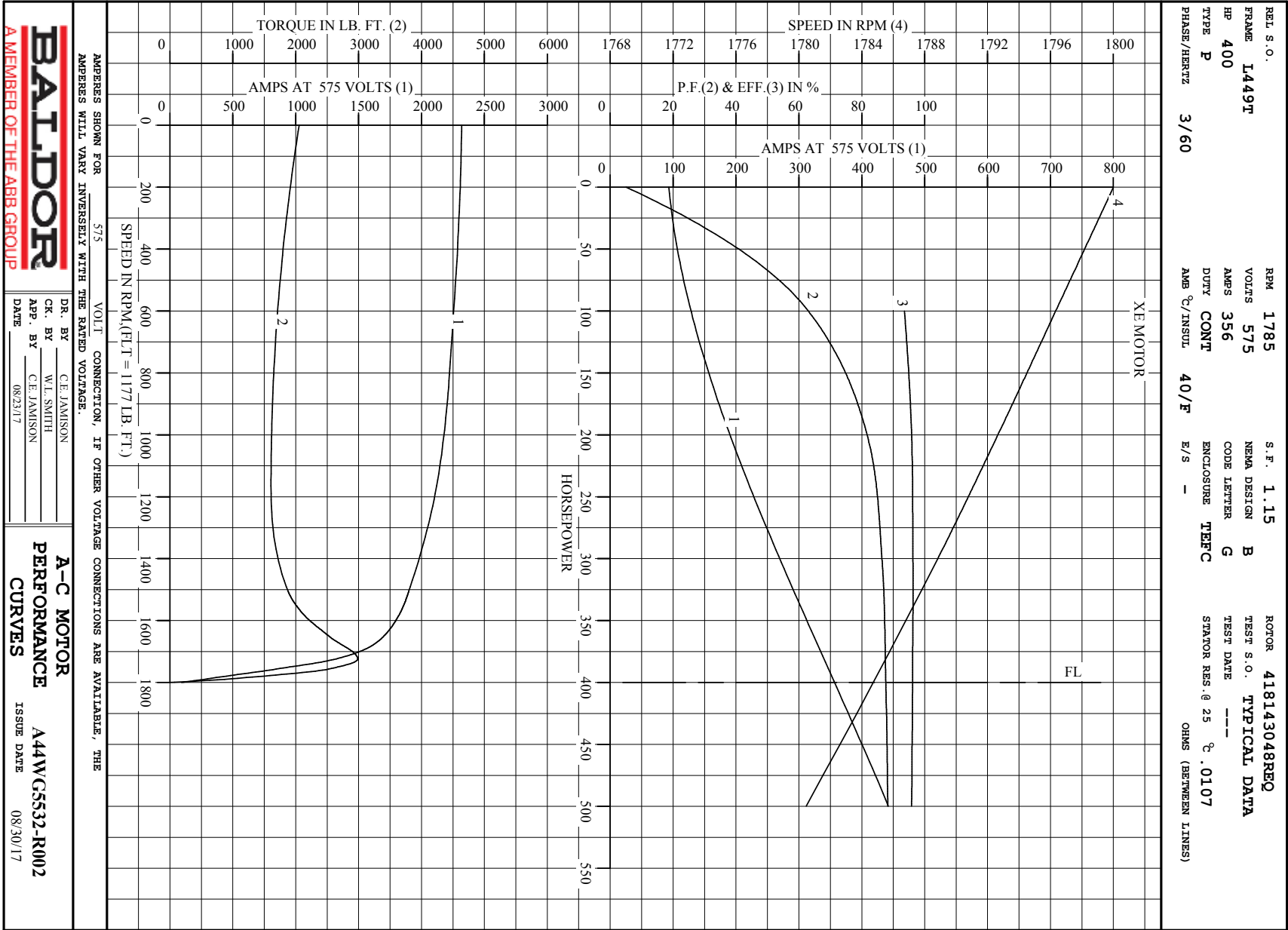
Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	60.47 IN
Power Factor	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP3238

CAT NO	ECP49404T-5				SPEC NO.		A44-8455-5532						
HP	400	AMPS	356		VOLTS		575		DESIGN	B			
FRAME	L449T	RPM	1785	HZ	60	AMB	40	SF	1.15				
D.E. BRG.DATA	6318		O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	90BC03J30X				TYPE	P	ENCL	TEFC	CODE	G			
O.D.E. BRG.	90BC03J30X				POWER FACTOR			88		NEMA NOM EFFICIENCY			96.2
3/4 LOAD EFF.	96.3		MAX CORR KVAR			69		GUARANTEED EFFICIENCY			95.4		
TEMP CODE	T2C		TEMP =		230								
CHP HZ	60-90		CT HZ	30-60		VT HZ	0-60						
INVERTER-TEMP-CODE	T2C												
SER.NO.					MOTOR WEIGHT								



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REL. S.O.	FRAME I449T	HP 400	TYPE P	PHASE/HERTZ 3/60	RPM 1785	VOLTS 575	AMPS 356	DUTY CONT	AMB °C/INSUL 40/F	E/S -	S.F. 1.15	NEMA DESIGN B	CODE LETTER G	ENCLOSURE TEFC	STATOR RES @ 25 °C. 0107	OHMS (BETWEEN LINES)	ROTOR 418143048REQ	TEST S.O. TYPICAL DATA	TEST DATE ---
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10.00

9

8

7

6

5

4

3

2

1.00

.9

.8

.7

.6

.5

.4

.3

.2

1

0

200

400

600

800

1000

1200

1400

TIME IN SEC.

OVERLOAD

ACCELERATION

LOCKED-ROTOR

LOCKED-ROTOR, 40 °C

MOTOR INITIAL TEMPERATURE:
125C FOR OVERLOAD AND ACC
125 C FOR LOCKED-ROTOR

% FULL LOAD CURRENT

THERMAL LIMIT CURVE

REMARKS: XE MOTOR

AMPERES SHOWN FOR 575

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 C.E. JAMISON

CK. BY W.L. SMITH

APP. BY C.E. JAMISON

DATE 08/23/17

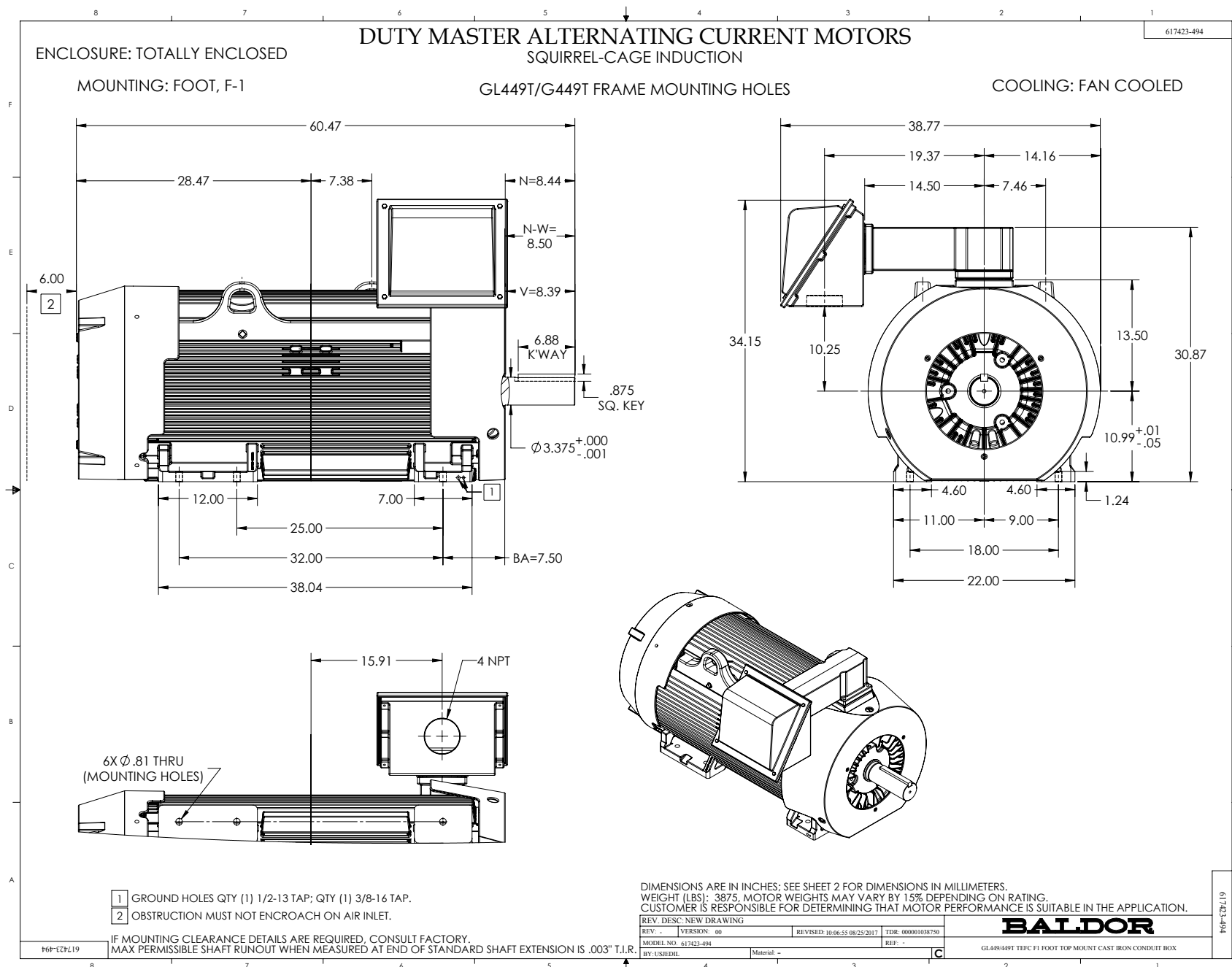
A-C MOTOR

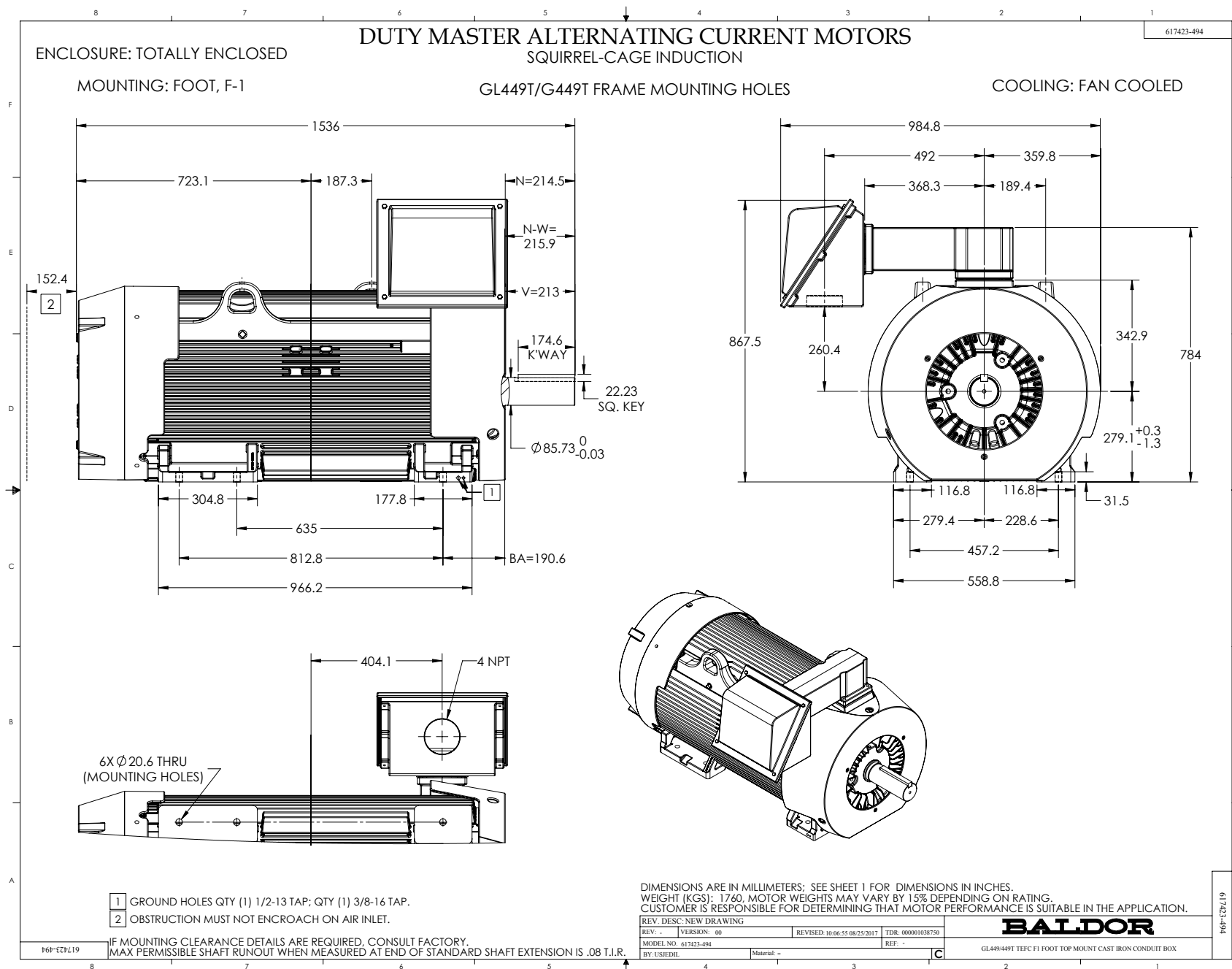
PERFORMANCE

CURVES

A44WG5532-R002

ISSUE DATE 08/30/17





416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	