



Customer information packet

ECP844256TR-4

250HP, 1189RPM, 3PH, 60HZ, 449T, TEFC, F1

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	449T
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CCSAUSEEV NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	30-60
Current @ Voltage	286.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	661
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	286.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2257
Layout	617434-845
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	06
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	10-01-2019

KVA Code	G
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44160M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	53.47 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Roller
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	No Slinger
Speed	1189 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007EY				
CAT NO	ECP844256TR-4	SPEC NO.	A44-9119-2257	
NO. ROTOR BARS	71	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		86.8
5 YEAR WARRANTY		WINDING RES AT 25 C	.0162	OHMS
MFG. DATE		SER.NO		

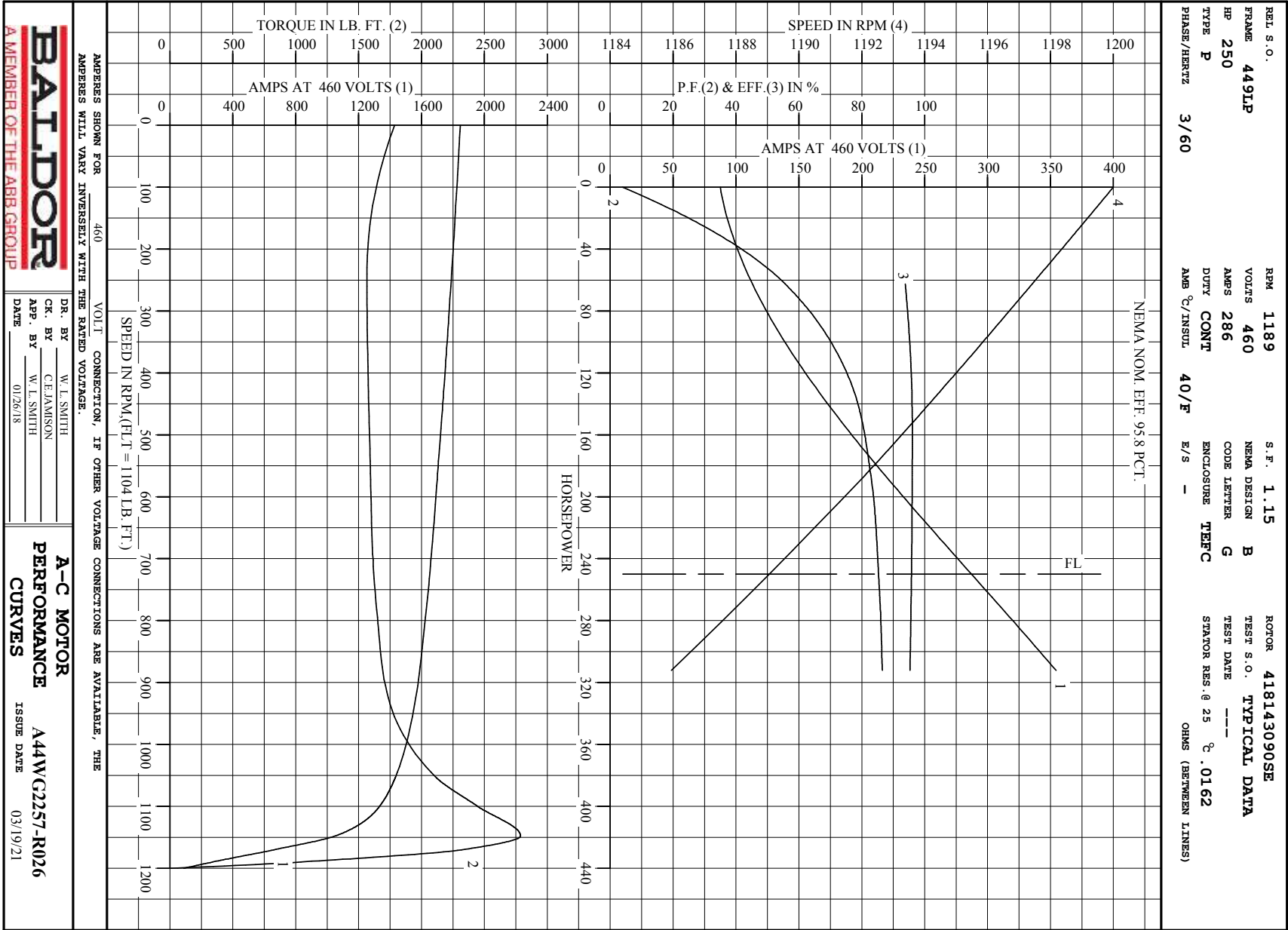
000901002AAA

AIR COOLED HEAT EXCHANGER MTR

IP56 CONSTRUCTION

NP4565

CAT NO	ECP844256TR-4				SPEC NO.		A44-9119-2257									
HP	250		AMPS	286		VOLTS		460		DESIGN	B					
FRAME SIZE	449T	RPM	1189		HZ	60	AMB	40	SF	1.15						
D.E. BRG.DATA	NU222		O.D.E. BRG.DATA				6318		PH	3	DUTY	CONT	INSUL.CLASS	F		
D.E. BRG.	110RU02M30X			TYPE P		P	ENCL	TEFC	CODE	G						
O.D.E. BRG.	90BC03J30X			POWER FACTOR				86		NEMA-NOM-EFFICIENCY				95.8		
3/4 LOAD EFF.	96.1		IP	56	MAX CORR KVAR				53		GUARANTEED EFFICIENCY				95	
TEMP CODE	T3		TEMP =		200											
CHP HZ	60-90		CT HZ	30-60		VT HZ		0-60								
INVERTER-TEMP-CODE	T3															
SER.NO.					MOTOR WEIGHT											



REL. S.O.	FRAME 449LP	RPM 1189	S.F. 1.15	ROTOR 418143090SE
HP 250	VOLTS 460	AMPS 286	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	CODE LETTER G	ENCLOSURE TEFC	TEST DATE ---
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S -	STATOR RES @ 25 °C. 0162	OHMS (BETWEEN LINES)

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

LOCKED-ROTOR, 40 C

ACCELERATION

LOCKED-ROTOR

% FULL LOAD CURRENT

MOTOR INITIAL TEMPERATURE:

145C FOR OVERLOAD AND ACC

145 C FOR LOCKED-ROTOR

THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF. 95.8 PCT.

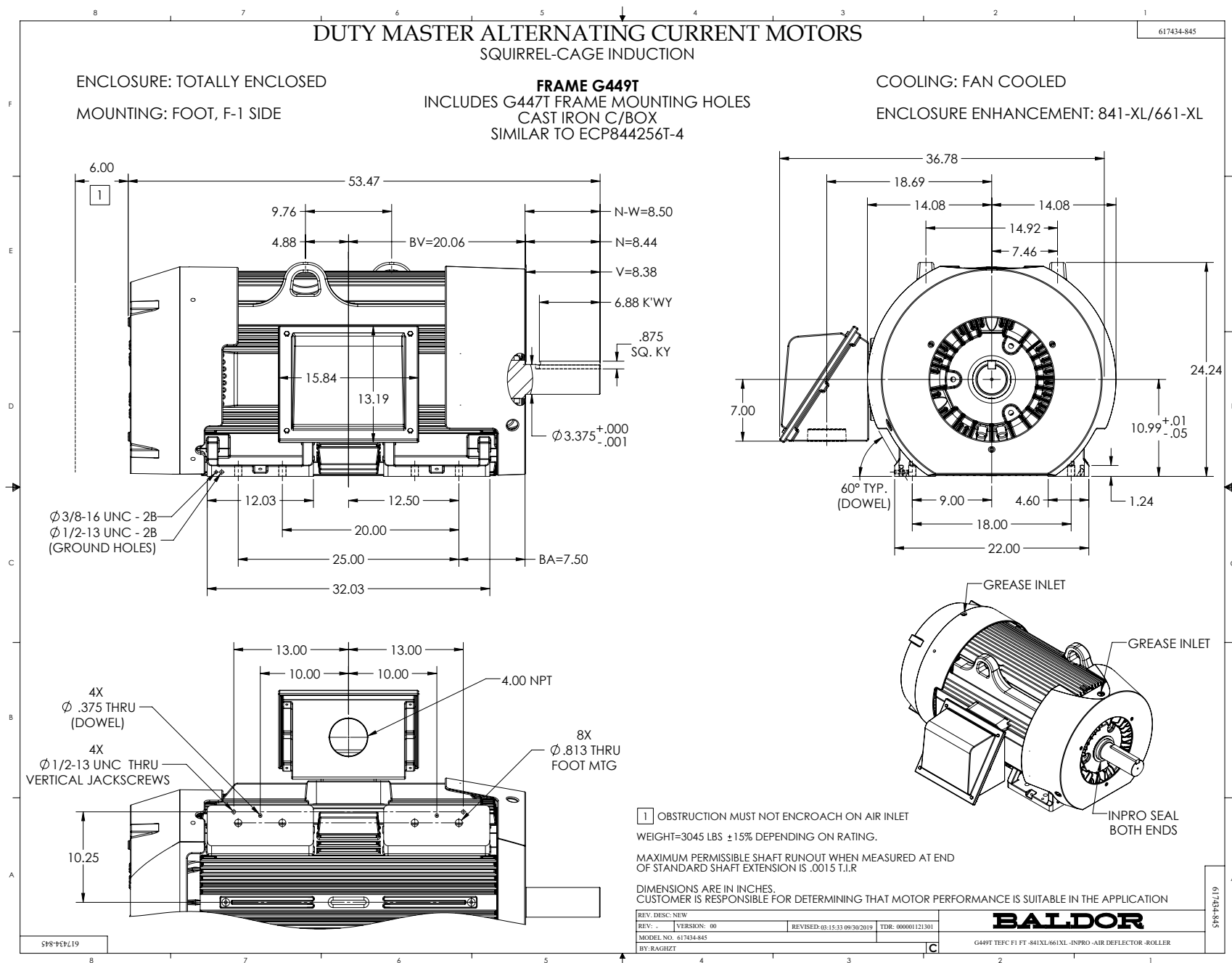
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

DR. BY	W. L. SMITH
CK. BY	C. E. LAMSON
APP. BY	W. L. SMITH
DATE	01/26/18

A-C MOTOR PERFORMANCE CURVES

A44WG2257-R026

ISSUE DATE 03/19/21



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		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010
MTL: -		BY: RAGRA

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1