



Customer information packet

ECP844156T-4

150HP, 1190RPM, 3PH, 60HZ, 447T, TEFC, FOOT,
Class - CLI GP A,B,C,D
Division - Division II

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	170.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	F

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1496
Layout	617434-662
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	06
Leads	3#1/0
Proprietary	False
Created date	12-11-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	None
Motor Type	A44120M
Mounting Arrangement	F1
No Load Current	42.5 a
Number of Poles	6
Overall Length	48.47 IN
Power Factor	86
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	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

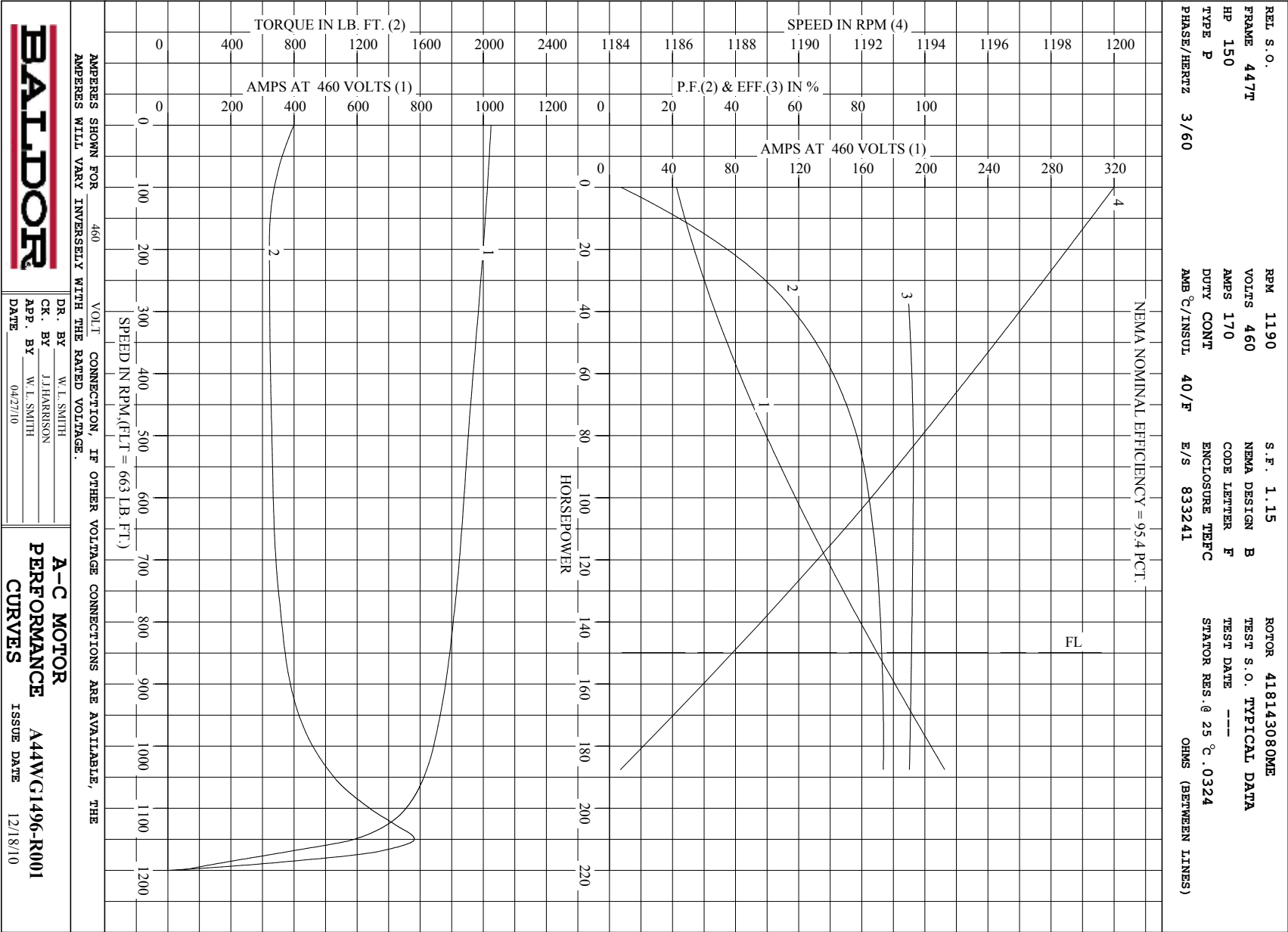
Nameplate

NP4566													
CAT NO	ECP844156T-4			SPEC NO.		A44-8392-1496							
HP	150	AMPS	170		VOLTS		460		DESIGN	B			
FRAME SIZE	447T	RPM	1190		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	ENCL	TEFC	CODE	F					
O.D.E. BRG.	90BC03J30X			POWER FACTOR			86		NEMA-NOM-EFFICIENCY			95.8	
3/4 LOAD EFF.	96.2	IP	56	MAX CORR KVAR			25.0		GUARANTEED EFFICIENCY			95	
TEMP CODE	T3	TEMP =	200										
CHP HZ	60-90	CT HZ	15-60		VT HZ	0-60							
INVERTER-TEMP-CODE	T3												
SER.NO.				MOTOR WEIGHT									

000613007EX

CAT NO	ECP844156T-4	SPEC NO.	A44-8392-1496	
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		42.5
5 YEAR WARRANTY		WINDING RES @25 C	.03239	OHMS
MFG. DATE		SER.NO		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	150	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
170	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833241	418143080ME	---	---	.0324		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	42.5	1200	3.70	0	
1/4	37.6	65.5	1197	56.6	94.9	
2/4	75.1	94.9	1194	76.9	96.3	
3/4	112	130	1191	83.9	96.2	
4/4	150	170	1188	86.3	95.8	
5/4	188	213	1184	86.8	95.1	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	121	799	1025		
PULL UP	180	97.2	644	1002		
BREAKDOWN	1150	236	1563	592		
FULL LOAD	1188	100	663	170		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.4 PCT.						
			DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 04/27/10		A-C MOTOR PERFORMANCE DATA A44WG1496-R001 ISSUE DATE 12/18/10	



REL. S.O.
FRAME 447T
HP 150
TYPE P
PHASE/HERTZ 3/60

RPM 1190
VOLTS 460
AMPS 170
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 833241

ROTOR 418143080ME
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES. @ 25 °C. 0324
OHMS (BETWEEN LINES)

10 00
9
8
7
6
5
4
3
2
1
0

100
9
8
7
6
5
4
3
2
1
0

100
200
300
400
500
600
700

TIME IN SEC.

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

% FULL LOAD CURRENT

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

DR. BY W.L. SMITH
CK. BY J.J. HARRISON
APP. BY W.L. SMITH
DATE 04/27/10

A-C MOTOR
PERFORMANCE
CURVES
A44WG1496-R001
ISSUE DATE 12/18/10

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

REMARKS:
THERMAL LIMIT CURVE
NEMA NOMINAL EFFICIENCY = 95.4 PCT.

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