

ABB BALDOR RELIANCE III

Customer information packet

ECTM4308T-5G

40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364T
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	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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)
Current @ Voltage	39.500 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	39.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1195
Layout	617438-196
Eff. date	06-06-2023
CD Diagram	416820-036
Poles	06
Leads	3#6
Proprietary	False
Created date	04-12-2022

Number of Poles	6
Overall Length	33.78 IN
Power Factor	80
Product Family	Cooling Tower
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

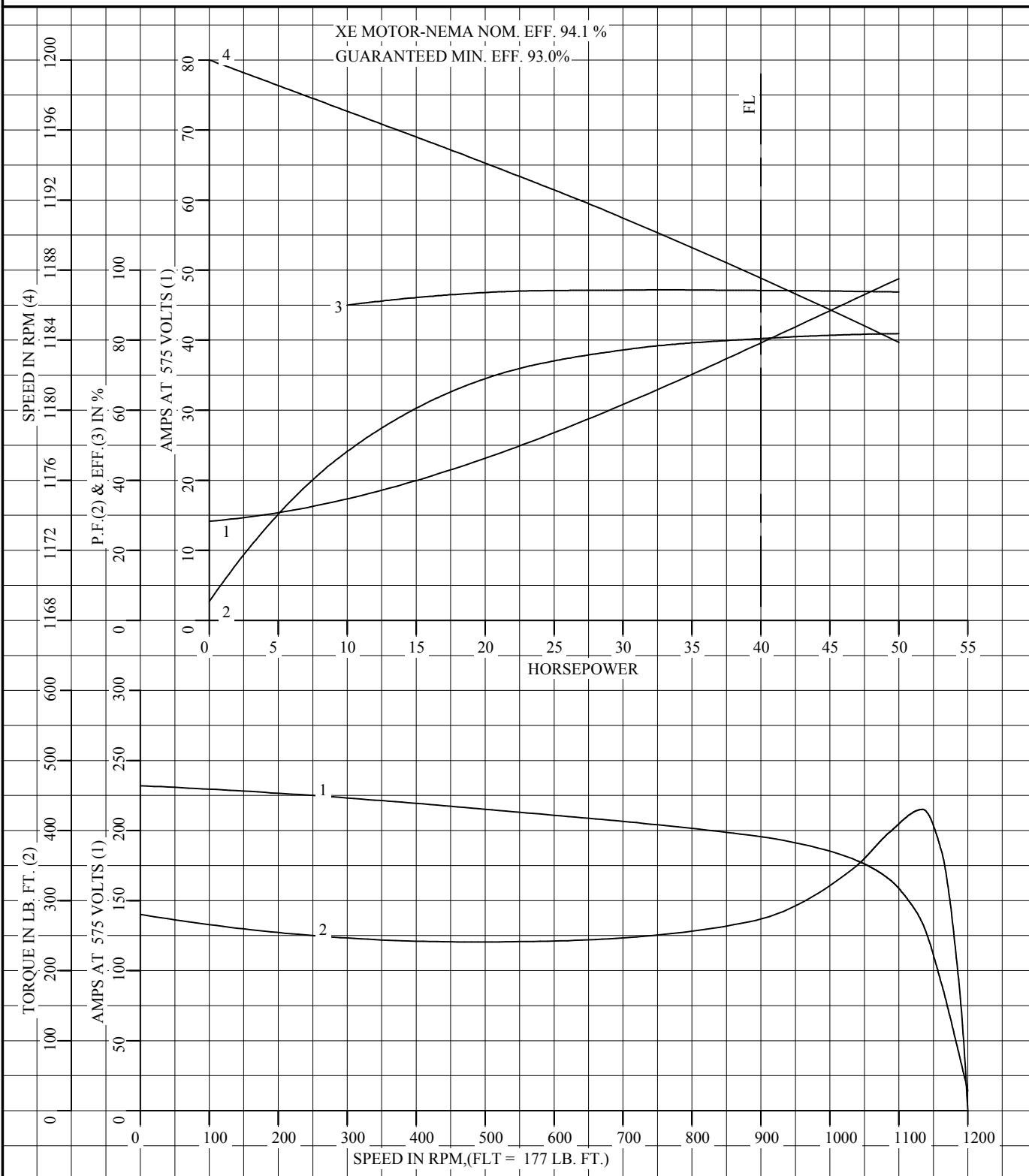
Nameplate

000613007EW													
CAT.NO.	ECTM4308T-5G				SPEC NO.	A36-7801-1195							
HP	40HP	AMPS	39.5		VOLTS	575		DESIGN	B				
FRAME	364T	RPM	1190		HZ	60	AMB	40	SF	1.15			
DRIVE END BEARING	65BC03JGG30A		PH	3	DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	65BC03JGG30A		TYPE	P	ENCL	TEFC	CODE	G					
D.E.BRG.DATA	6313		POWER FACTOR			80	NEMA NOM EFFICIENCY				94.1		
O.D.E.BRG.DATA	6313		MAX CORR KVAR			12.00	GUARANTEED EFFICIENCY				93		
3/4 LOAD EFF.	94.1		NEMA NOM/CSA QUOTED EFF										
SER.NO.					MOTOR WEIGHT								

000901002AAA	
INV DUTY 20:1 VT	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	40	P	3/60	1190	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
39.5	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491379	418141-71JE	---	---	.237		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.2	1200	5.41	0	
1/4	10.0	17.3	1197	48.3	90.0	
2/4	20.0	23.2	1194	69.0	93.6	
3/4	30.0	30.8	1191	77.2	94.3	
4/4	40.0	39.5	1188	80.5	94.2	
5/4	50.0	48.8	1184	81.9	93.7	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	158	280	232	
PULL UP		480	136	241	216	
BREAKDOWN		1135	243	430	133	
FULL LOAD		1188	100	177	39.5	
AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 94.1 % GUARANTEED MIN. EFF. 93.0%						
		DR. BY G. R. WEBB		A-C MOTOR PERFORMANCE DATA A36WG1195-R005 ISSUE DATE 02/05/15		
		CK. BY W.L. SMITH				
		APP. BY W.L. SMITH				
		DATE 02/05/14				

REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418141-71JE
FRAME 364T	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 40	AMPS 39.5	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .237
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 491379	OHMS (BETWEEN LINES)



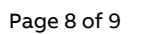
AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY G. R. WEBB
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 02/05/14

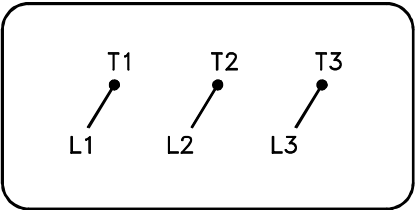
**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1195-R005
ISSUE DATE 02/05/15



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