

ABB BALDOR RELIANCE III

Customer information packet

EM4348T

40HP, 890RPM, 3PH, 60HZ, 365T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365T
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	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	104.000 A @ 230.0 V 111.000 A @ 208.0 V 52.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	52.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1044
Layout	617428-077
Eff. date	11-16-2023
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	11-23-2015

Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	33.47 IN
Power Factor	77
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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	

NP2349L

SPEC NO.	A36-7200-1044			CAT.NO.	EM4348T				FRAME	365T	
HP	40	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	890	AMPS	104/52		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	77		NEMA-NOM-EFFICIENCY				93
						MAX CORR KVAR	15	GUARANTEED EFFICIENCY			91.7
						NEMA NOM/CSA QUOTED EFF					
										MOTOR WEIGHT	875

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS			
	365T	40	P	3/60	890	230/460			
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.			
104/52	CONT	40/F	1.15	B	G	FCXE			
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)					
492342	418141073EE	---	---	.0486/.194					
PERFORMANCE									
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY				
NO LOAD	0	25.7	900	3.85	0				
1/4	10.0	28.1	897	37.3	89.5				
2/4	20.0	33.9	895	59.5	93.0				
3/4	30.0	42.2	892	71.2	93.4				
4/4	40.0	52.0	889	77.4	93.0				
5/4	50.0	63.3	885	80.2	92.2				
SPEED TORQUE									
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES				
LOCKED ROTOR		0	140	330	282				
PULL UP		225	123	290	265				
BREAKDOWN		845	224	530	157				
FULL LOAD		889	100	236	52.0				
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 93.0 PCT. GUARANTEED MIN. EFF. 92.4 PCT.									
		DR. BY M.C. BENTON		A-C MOTOR PERFORMANCE A36WG1044-R001 DATA					
		CK. BY K.W. KANOUFF							
		APP. BY K.W. KANOUFF							
		DATE 03/09/93							
				ISSUE DATE 03/09/93					

FRAME 365T

VOLTS 230/460

NEMA DESIGN B

TEST S.O. ---

HP 40

AMPS 104/52

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE FCXE

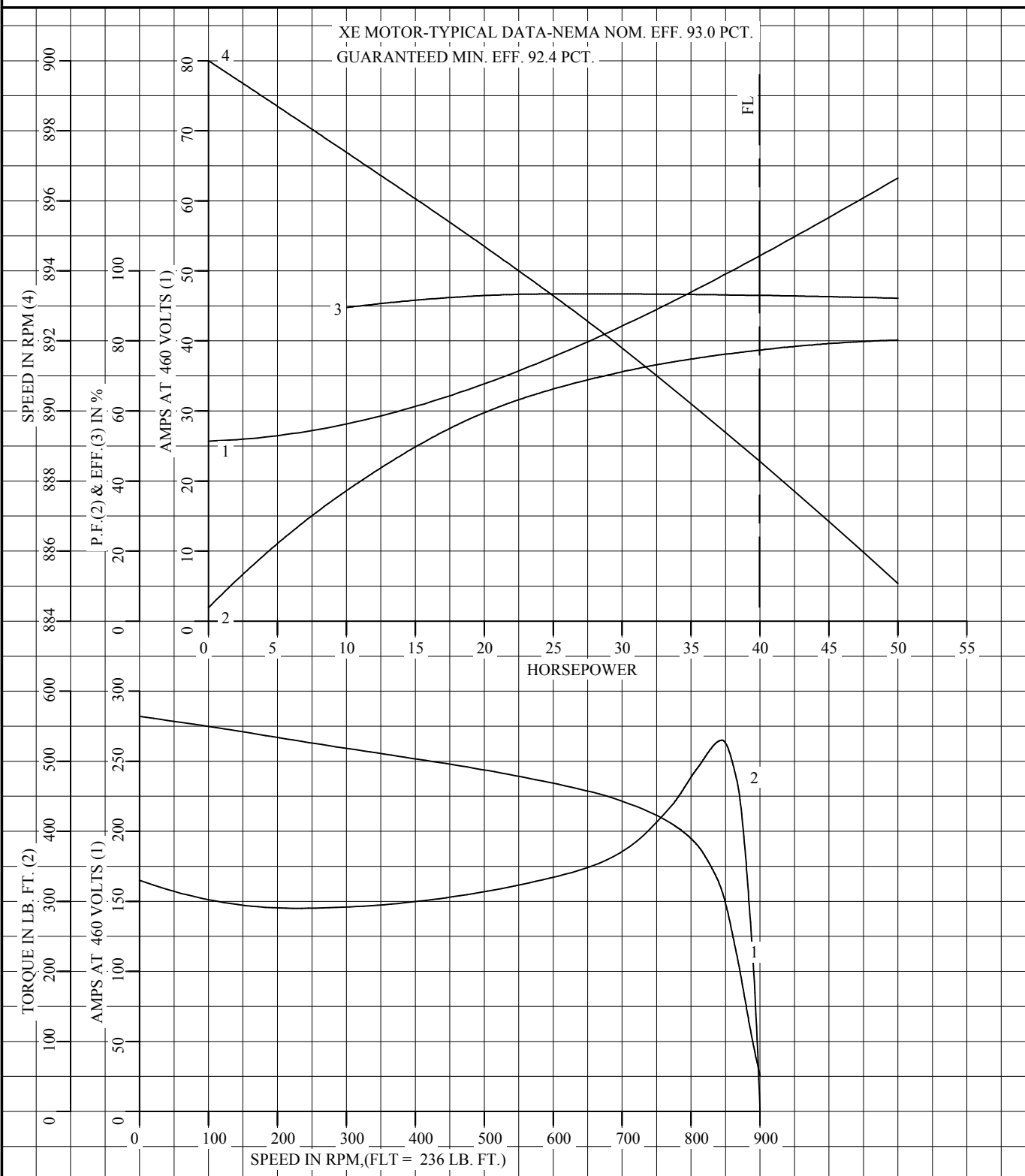
STATOR RES. @ 25 °C .0486/.194

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 492342

OHMS (BETWEEN LINES)



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

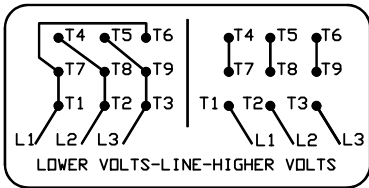
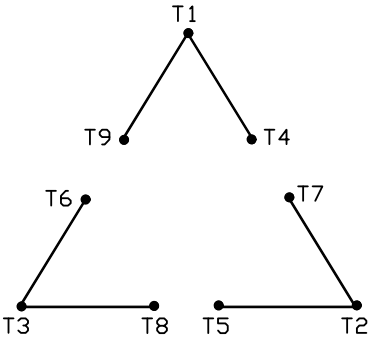
BALDOR

DR. BY M.C. BENTON
CK. BY K.W. KANOUFF
APP. BY K.W. KANOUFF
DATE 03/09/93

**A-C MOTOR
PERFORMANCE CURVES** A36WG1044-R001
ISSUE DATE 03/09/93

416820-002

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



(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -		



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002