



Customer information packet

ECP4315T-4

40HP, 890RPM, 3PH, 60HZ, 365T, A36062M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365T
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	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 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	6-60
Current @ Voltage	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
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	52.0 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

Part detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1042
Layout	617428-034
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	08
Leads	3#6
Proprietary	False
Created date	12-13-2013

Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	33.44 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 Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

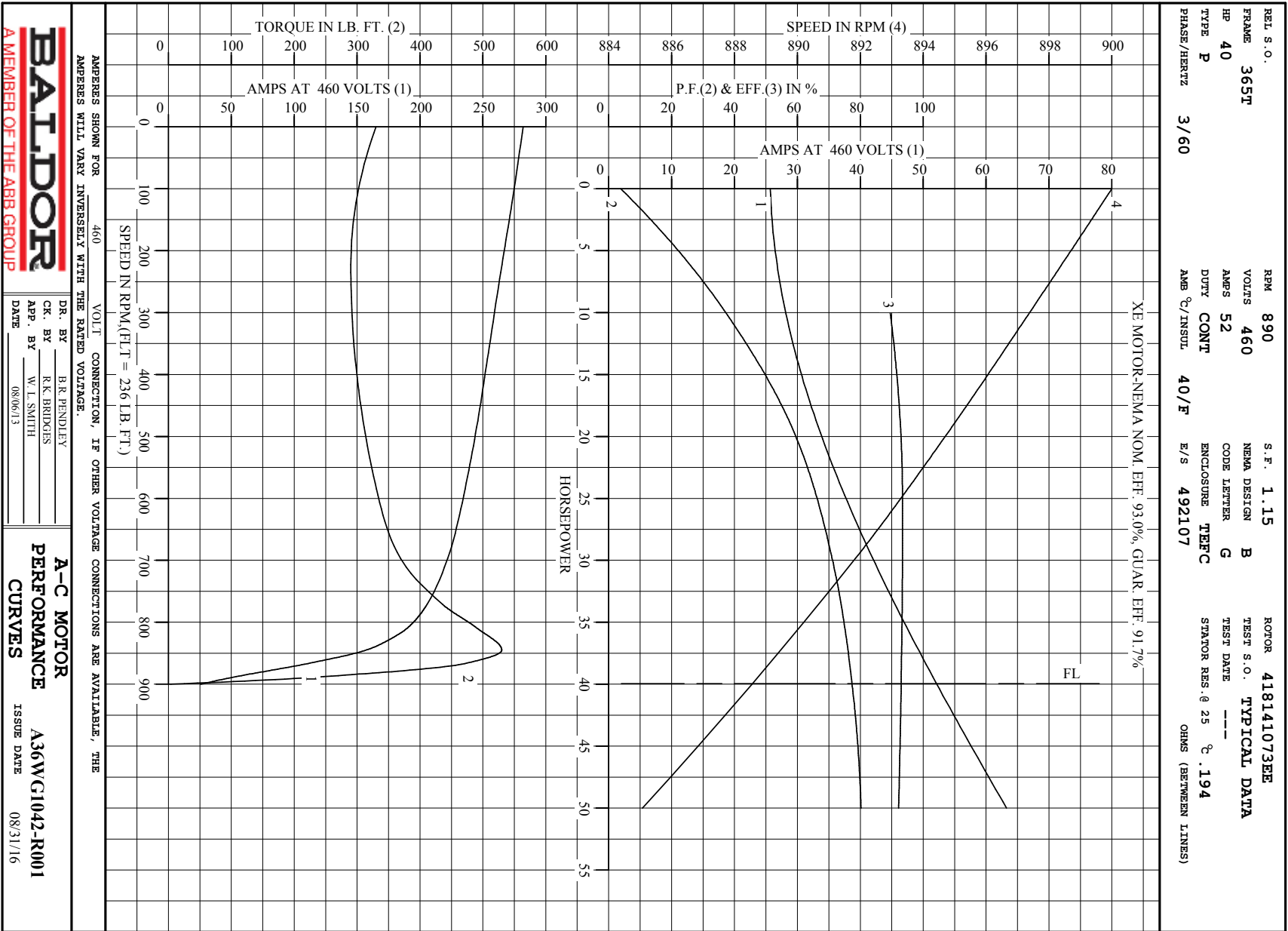
Nameplate

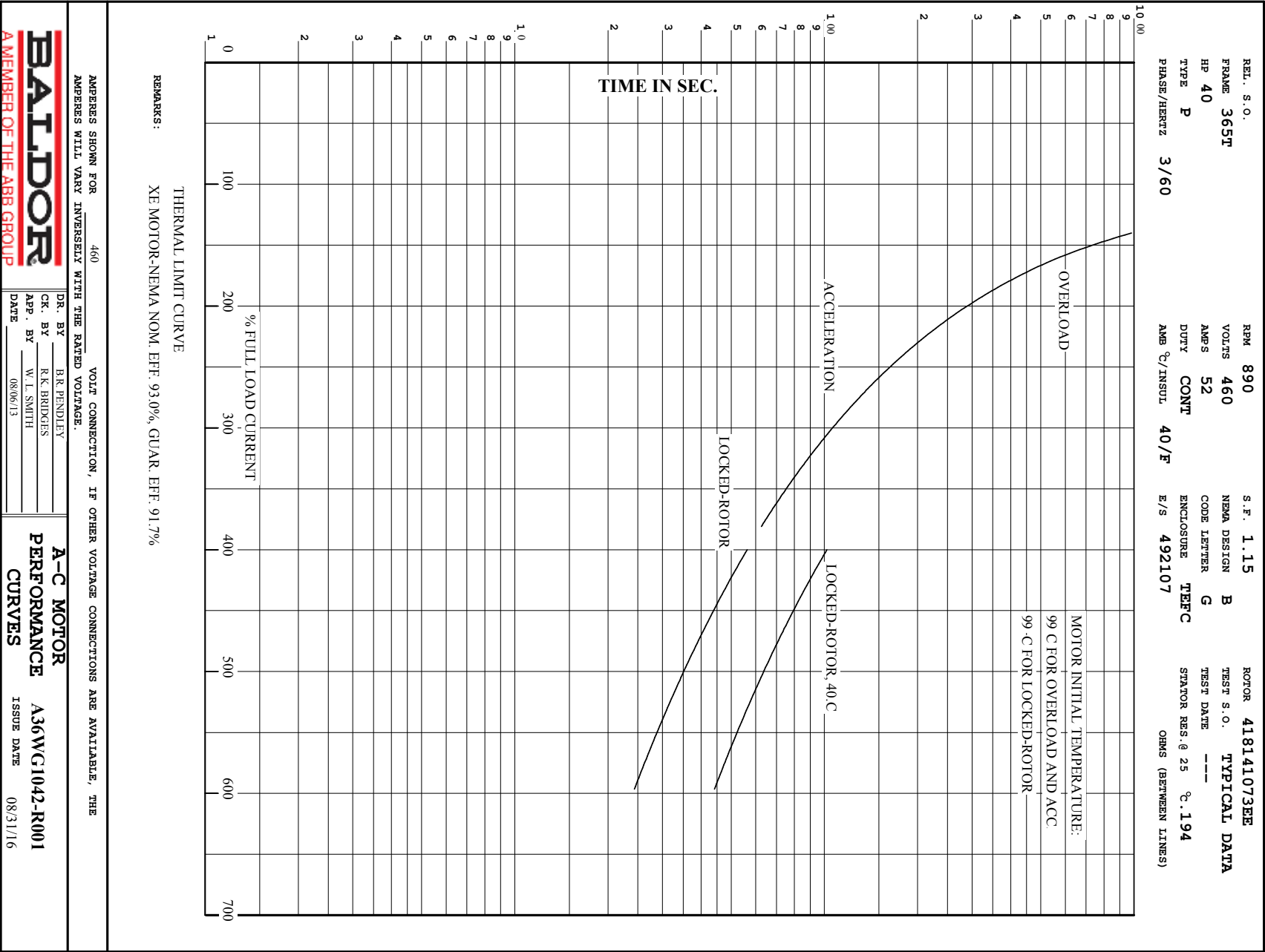
NP2496L	
MOBIL POLYREX EM	

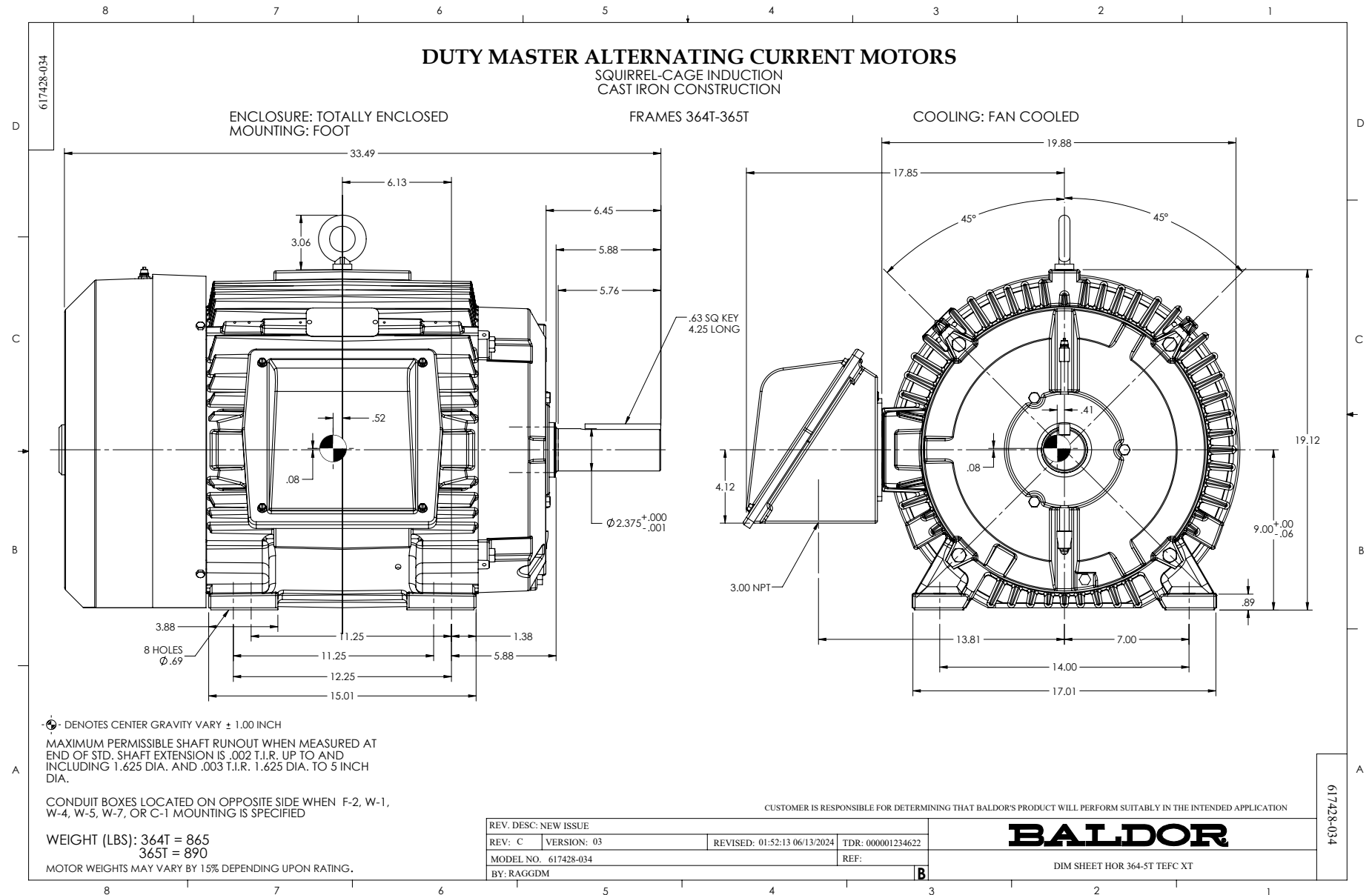
NP3238

CAT NO	ECP4315T-4			SPEC NO.		A36-5084-1042					
HP	40	AMPS	52	VOLTS		460	DESIGN	B			
FRAME	365T	RPM	890	HZ	60	AMB	40	SF	1.15		
D.E. BRG.DATA	6313	O.D.E. BRG.DATA			6313	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X			TYPE	P	ENCL	TEFC	CODE	G		
O.D.E. BRG.	65BC03J30X			POWER FACTOR		77	NEMA NOM EFFICIENCY				93
3/4 LOAD EFF.	93.4	MAX CORR KVAR			15.0	GUARANTEED EFFICIENCY				91.7	
TEMP CODE	T3C	TEMP =	160								
CHP HZ	60-90	CT HZ	6-60	VT HZ	0-60						
INVERTER-TEMP-CODE	T3A										
SER.NO.				MOTOR WEIGHT							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	40	P	3/60	890	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
52	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
492107	418141073EE	---	---	.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						
LOCKED ROTOR	0	RPM	% FULL LOAD	TORQUE LB.-FT.	AMPERES	
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: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 93.0%, GUAR. EFF. 91.7%						
 A MEMBER OF THE ABB GROUP		DR. BY <u>B. R. PENDLEY</u> CK. BY <u>R. K. BRIDGES</u> APP. BY <u>W. I. SMITH</u> DATE <u>08/06/13</u>		A-C MOTOR PERFORMANCE DATA A36WG1042-R001 ISSUE DATE 08/31/16		







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