

BALDOR® • RELIANCE 

Product Information Packet

VPECP4314T

60HP, 1780RPM, 3PH, 60HZ, 364VP, TEFC, V1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG1207	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	616555-992	Poles:	04	Created Date:	07-01-2015
Base:		Eff. Date:	03-30-2016	Leads:	3#4,6#6		

Specs			
Catalog Number:	VPECP4314T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	364VP	Inverter Code:	Inverter Ready
Frame Material:	Iron	IP Rating:	NONE
Output @ Frequency:	60.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	Vertical Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 4 AWG
	460.0 V @ 60 HZ	Motor Type:	A36062M
XP Class and Group:	None	Mounting Arrangement:	V1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CSA EEV	Product Family:	General Industrial
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Base Indicator:	No Mounting	Pulley Face Code:	P-Base
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	10-60	Shaft Rotation:	Reversible
Current @ Voltage:	136.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	68.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA

Drip Cover:	Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Enclosure Modification:	Severe Duty Features	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	XP Temp Code:	T3

Nameplate NP2496L	
MOBIL POLYREX EM	

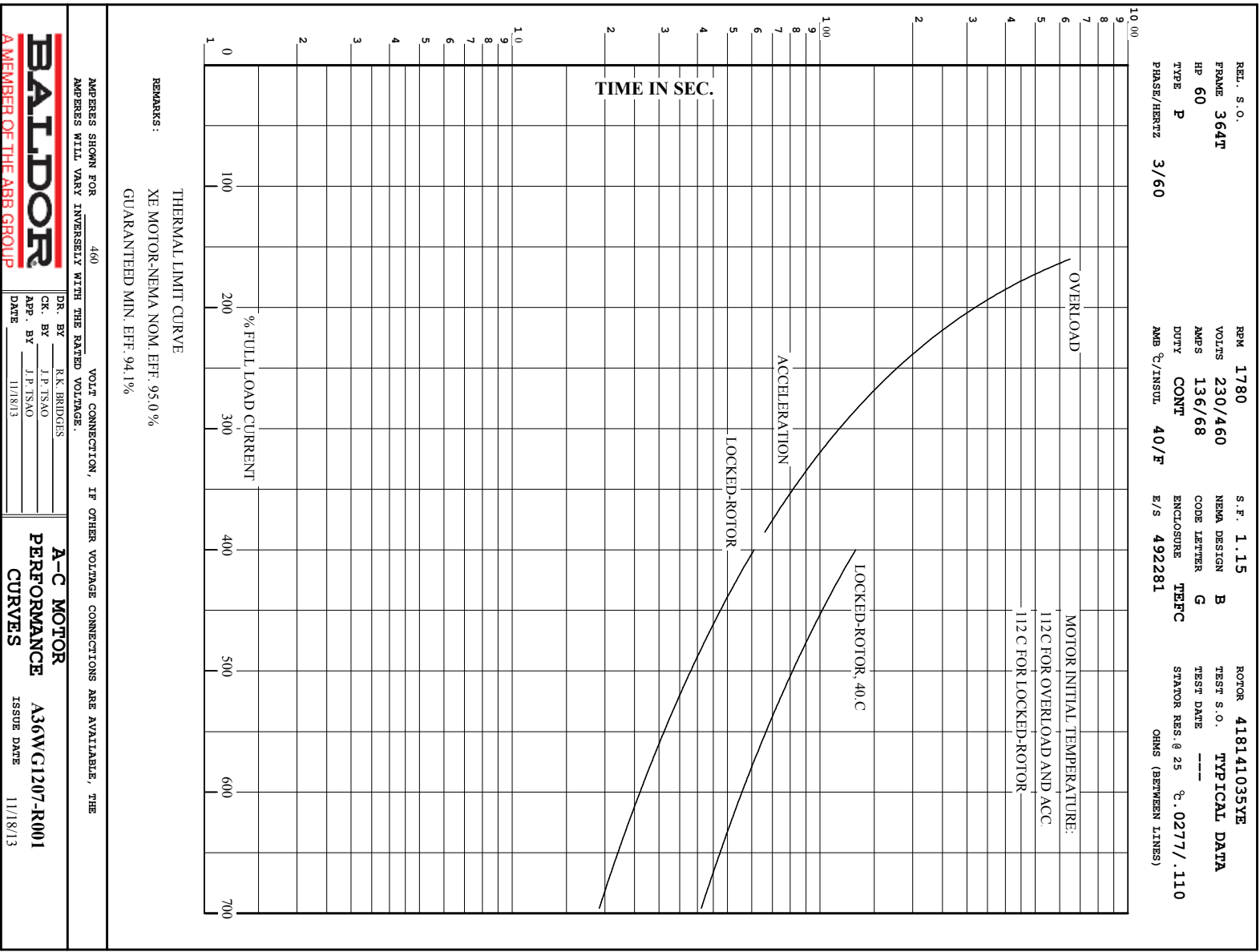
Nameplate NP3238									
CAT NO	VPECP4314T	SPEC NO.	A36-6891-1207						
HP	60	AMPS	136/68	VOLTS	230/460	DESIGN	B		
FRAME	364VP	RPM	1780	HZ	60	AMB	40	SF	1.15
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	7310	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03JP30X	TYPE	P	ENCL	TEFC	CODE	G	NEMA NOM EFFICIENCY	95
O.D.E. BRG.	BA2B_459310	POWER FACTOR	87	MAX CORR KVAR	10	GUARANTEED EFFICIENCY	94.1		
3/4 LOAD EFF.	95.3	TEMP	= 200						
TEMP CODE	T3	CT HZ	10-60	VT HZ	0-60				
CHP HZ	60-90								
INVERTER-TEMP-CODE	T3								
SER.NO.		MOTOR WEIGHT	910						

Parts List		
Part Number	Description	Quantity
SA303154	SA A36-6891-1207	1.000 EA
RA290271	RA A36-6891-1207	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
418185012FL	B/BRG ANGULAR SET - 360	1.000 PR
035051010AA	BBLCW W-10	1.000 EA
085922097A	BRKT 360 087793066WCC	1.000 EA
415072001B	CLAMP	1.000 EA
078559035AA	F/C 360 078559035WCC	1.000 EA
034180008FA	KEY 3/8X3/8X1L - 320	1.000 EA
412118006A	DRAIN	1.000 EA
078548001T	FAN 250	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018016DK	HHCS 1/2-13X2L PLTD.	4.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
415045002H	SLGR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034017014AB	LCKW 3/8 STD. PLATED	3.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034530016BC	P/NIP 1/4X2 GALV. - 320	1.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA
089495002A	BRKT 360 089495001WCA	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 EA
415045002E	SLGR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	3.000 EA
412118006A	DRAIN	1.000 EA
410700004F	WSHR	1.000 EA
076708000BB	C/B - 360	1.000 EA
065776000C	TERBD 320-400	1.000 EA
076709000A	C/B Cover - 360	1.000 EA
067053000B	GASK 320-400	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	4.000 EA
405851012AN	SPACE	4.000 EA
702641041A	D/CVR 360 SUB PAINT	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000103H	415000103H	1.000 EA

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033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
048977006B	GRFTG - XP	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
609013011C	LFT/P - 360	2.000 EA
032018012EK	HHCS 5/8-11X1-1/2L PLTD.	4.000 EA
034017018AB	LCKW 5/8"	4.000 EA
034180024FA	KEY 3/8X3/8X3 L	1.000 EA
034017018AB	LCKW 5/8"	2.000 EA
604797045	STD. 400 FRAME SKID	1.000 EA
033102018AG	NUT 5/8-11 PLATED	2.000 EA
032018012EK	HHCS 5/8-11X1-1/2L PLTD.	2.000 EA
604797064C	2"X4"-24"	2.000 EA
604797064C	2"X4"-24"	1.000 EA
604797064C	2"X4"-24"	1.000 EA
604797064C	2"X4"-24"	1.000 EA
415038028A	BLOCK,SHIPPING	1.000 EA
415038028B	BLOCK,SHIPPING	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA



REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364T	60	P	3/60	1780	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
136/68	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES (25 °C OHMS (BETWEEN LINES))		
492281	418141035YE	---	---	.0277/.110		

PERFORMANCE

LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	20.1	1800	4.67	0
1/4	15.0	25.8	1795	58.6	93.0
2/4	30.0	37.5	1791	78.7	95.2
3/4	45.0	51.9	1786	85.0	95.3
4/4	60.0	68.0	1781	87.0	95.0
5/4	75.0	85.1	1775	87.5	94.3

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	181	320	430
PULL UP	720	161	285	395
BREAKDOWN	1703	251	445	244
FULL LOAD	1781	100	177	68.0

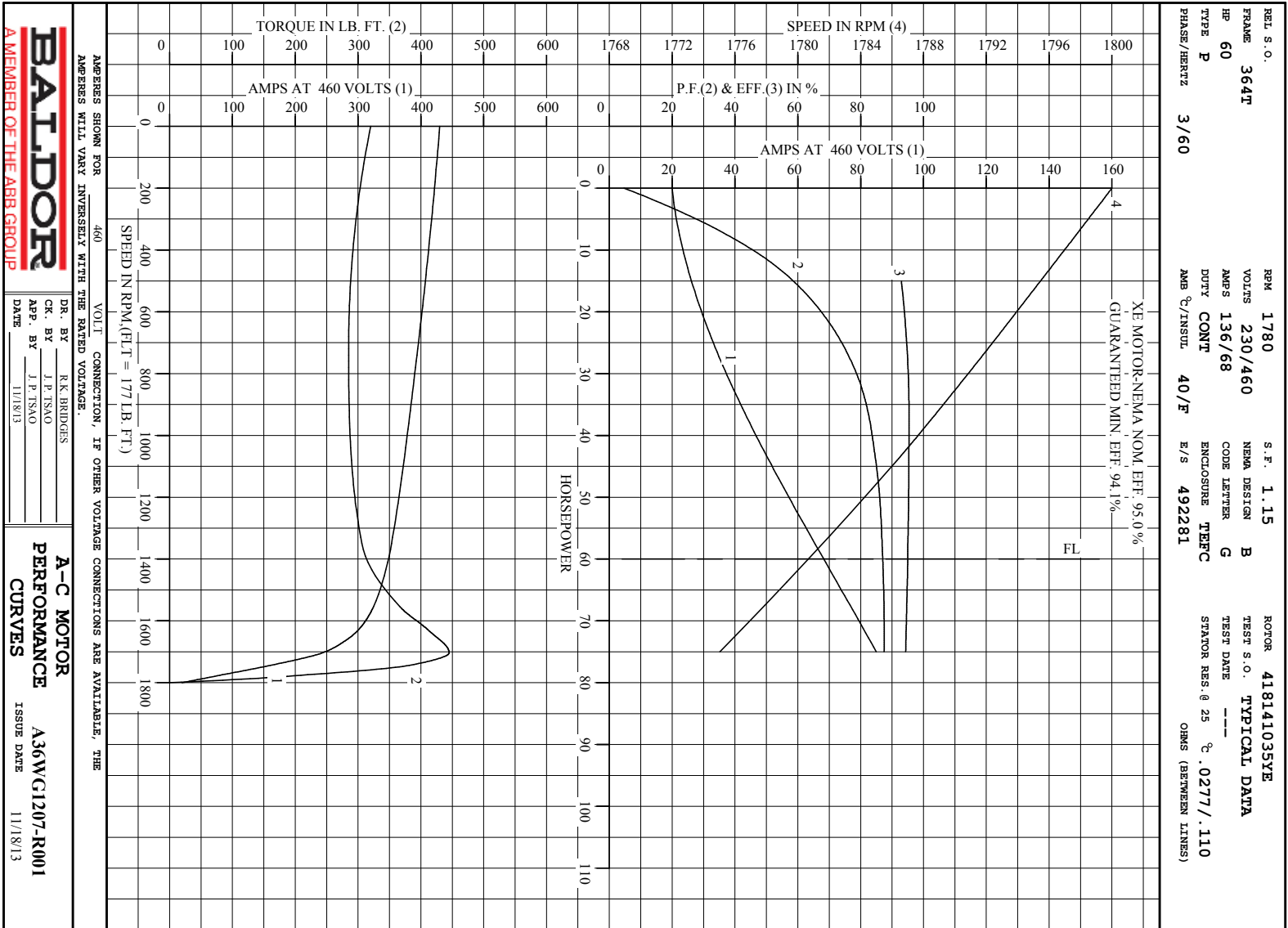
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
 XE MOTOR-NEMA NOM. EFF. 95.0 %
 GUARANTEED MIN. EFF. 94.1%



DR. BY R.K. BRIDGES
 CK. BY J.P. TSN0
 APP. BY J.P. TSN0
 DATE 11/18/13

A-C MOTOR PERFORMANCE DATA
 A36WG1207-R001
 ISSUE DATE 11/18/13



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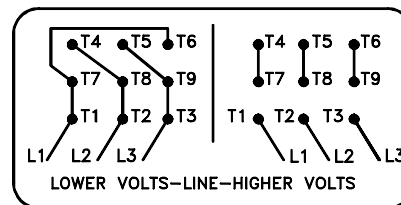
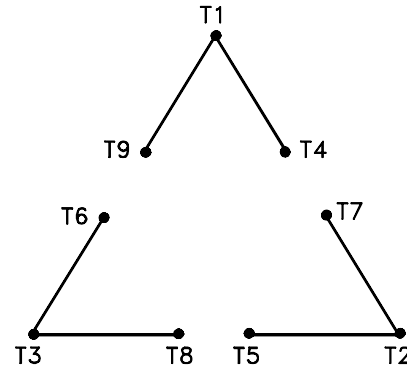
DR. BY R. K. BRIDGES
CK. BY J. P. TSAO
APP. BY J. P. TSAO
DATE 11/18/13

A-C MOTOR
PERFORMANCE A36WC1207-R001
CURVES ISSUE DATE 11/18/13

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416820-002

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



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\661	REVISED: 10: 47: 51 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1

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