

BALDOR® • RELIANCE

Product Information Packet

VEBM3615T-SG

5HP,1750RPM,3PH,60HZ,184TC,3642M,TEFC,F1

Part Detail							
Revision:	D	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3642M	Elec. Spec:	36WGS268	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36N145	Layout:	36LYN145
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	08-12-2010
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	02-19-2014
Leads:	9#16					Replaced By:	NO REPLACEMENT
Literature:		Elec. Diagram:					

Nameplate NP2105L									
CAT.NO.	VEBM3615T-SG								
SPEC.	36N145S268G1								
HP	5								
VOLTS	208-230/460								
AMP	13.9-13.4/6.7								
RPM	1750								
FRAME	184TC	HZ			60	PH	3		
SER.F.	1.15	CODE			J	DES	B	CL	H
NEMA-NOM-EFF	89.5	PF			78				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			13.9				
DE	6206	ODE			6206				
ENCL	TEFC	SN							
	IP22, BRAKE 25 FT-LB								

Parts List		
Part Number	Description	Quantity
SA201507	SA 36N145S268G1	1.000 EA
RA188802	RA 36N145S268G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
BP5310A02	AEGIS SH GRD ASSY W/RETAINER RING	1.000 EA
36EP3301A34	SPL PU. ENDPLATE - ENCLOSED	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
BR2004E01	BRK HUB,1.12 DIA JRNL W/.25 KEY (032416)	1.000 EA
HW5010A44	RET RING 5100-112(WALDES)	1.000 EA
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A109	IEC FH NO GREASER FOR SHORT SERIES BRAKE	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1418	INTEGRAL BRK ADJ LABEL (REL# 41171617A)	1.000 EA
LB1419	CONNECTION LABEL	1.000 EA
LB1459	AEGIS SGR LABEL "AEGISLBL-100"	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.022 GA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HA3101A40	THRUBOLT 1/4-20 X 12.687	4.000 EA
49BK0500A02	180 SSB-25-230/460 (206)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1424A02	BRAKE VOLT LABEL 230/460V SSB	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 35727 - Typical performance - not guaranteed values

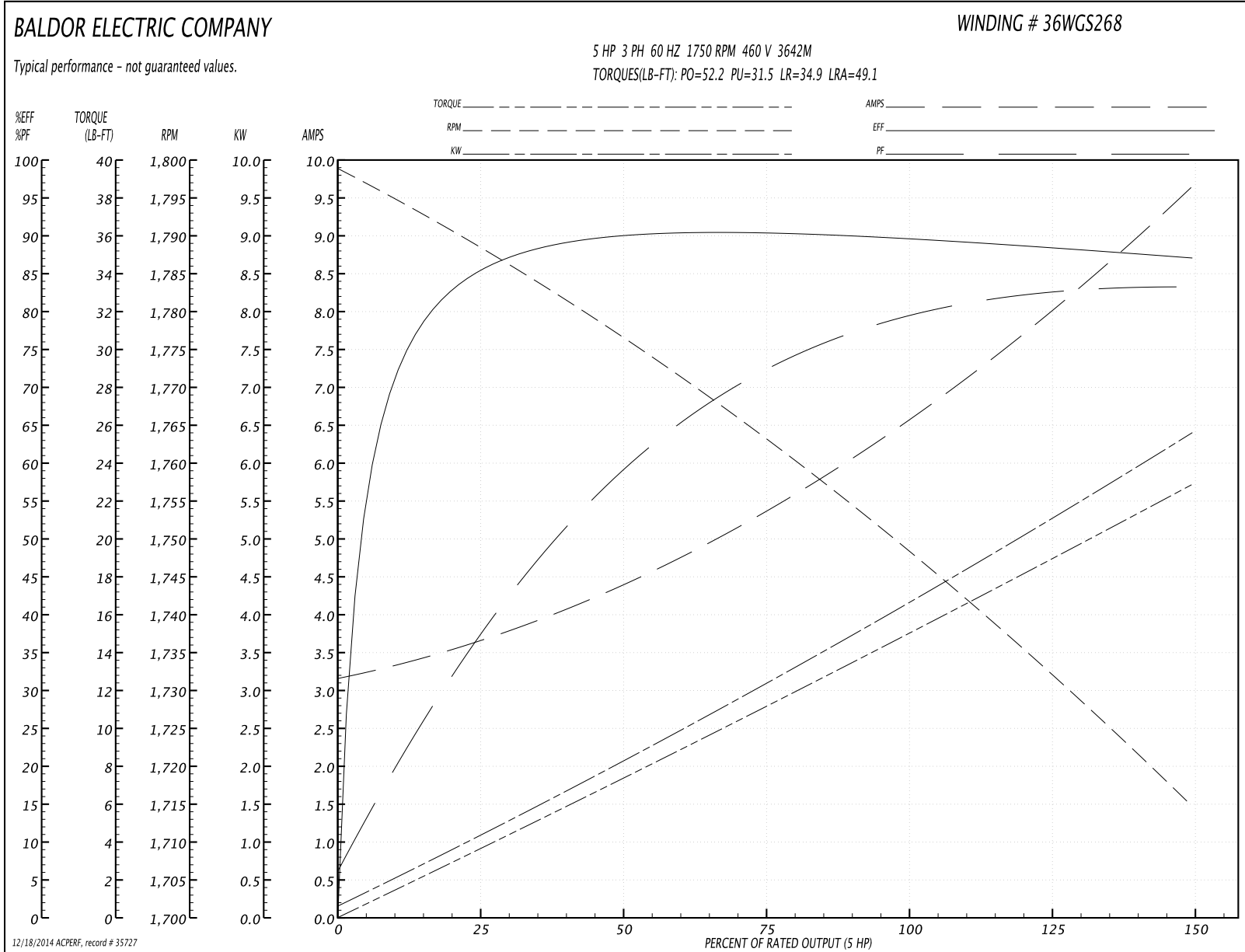
Winding: 36WGS268-R002	Type: 3642M	Enclosure: TEFC
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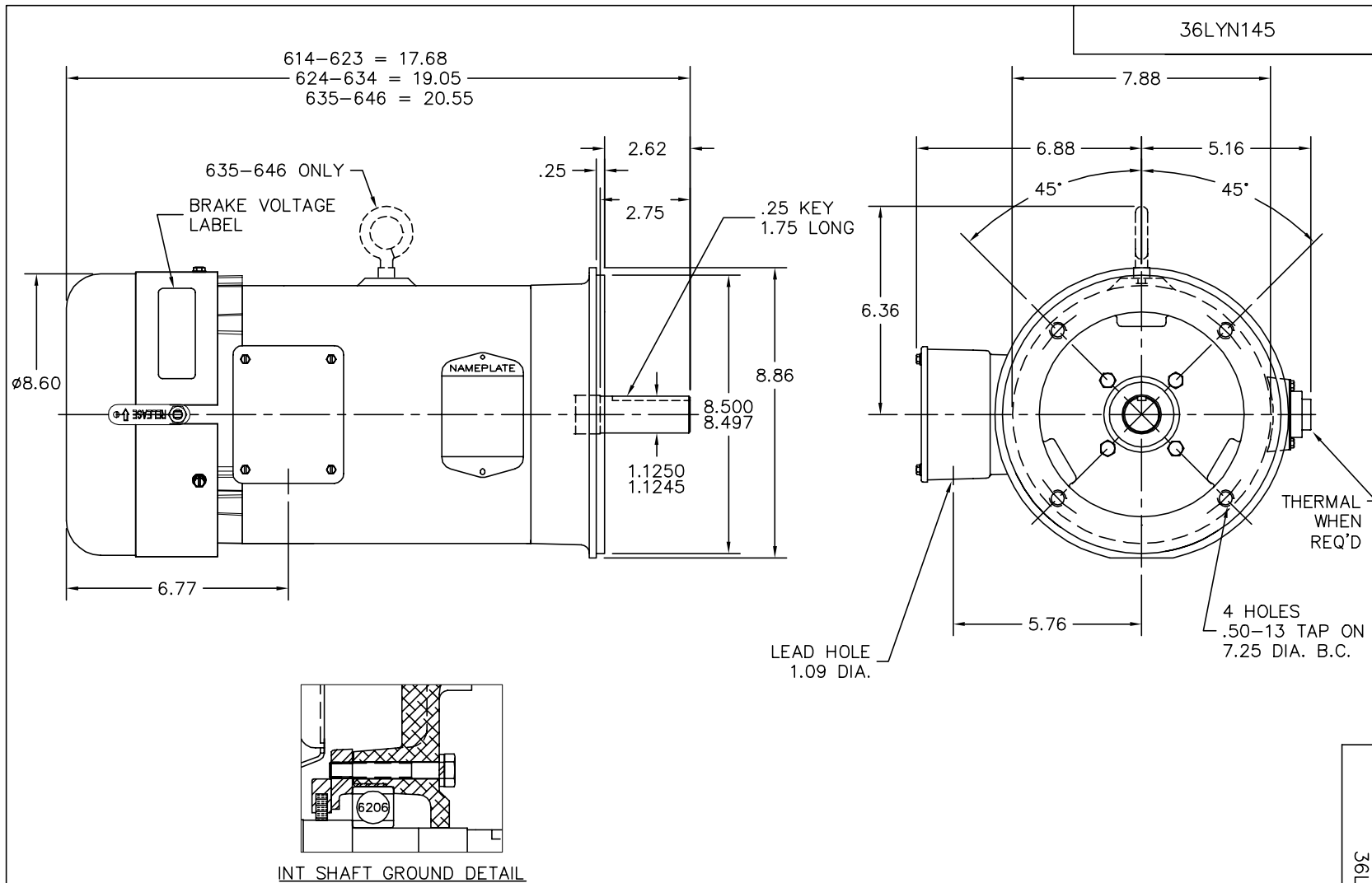
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	13.9-13.4/6.7			Breakdown Torque	52.2 LB-FT
R.P.M.	1750			Pull-up Torque	31.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.9 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	49.1 A
Service Factor (S.F.)	1.15			No-load Current	3.24 A
NEMA Nom. Eff.	89.5	Power Factor	78	Line-line Res. @ 25°C	2.27 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Rotor inertia	0.391 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	60	72	78	83	83	81
Efficiency	85	89.7	90.6	89.6	88.6	87	89
Speed	1789	1776	1762	1750	1733	1714	1740
Line amperes	3.55	4.31	5.43	6.65	7.94	9.64	7.42

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CHG RET RING

REV. LTR: A

VERSION: 01

TDR: 000000582987

FILE: \AAA\00174\164

REVISED: 10:21:31 03/05/2011

MTL: -

BY: ENWINBO

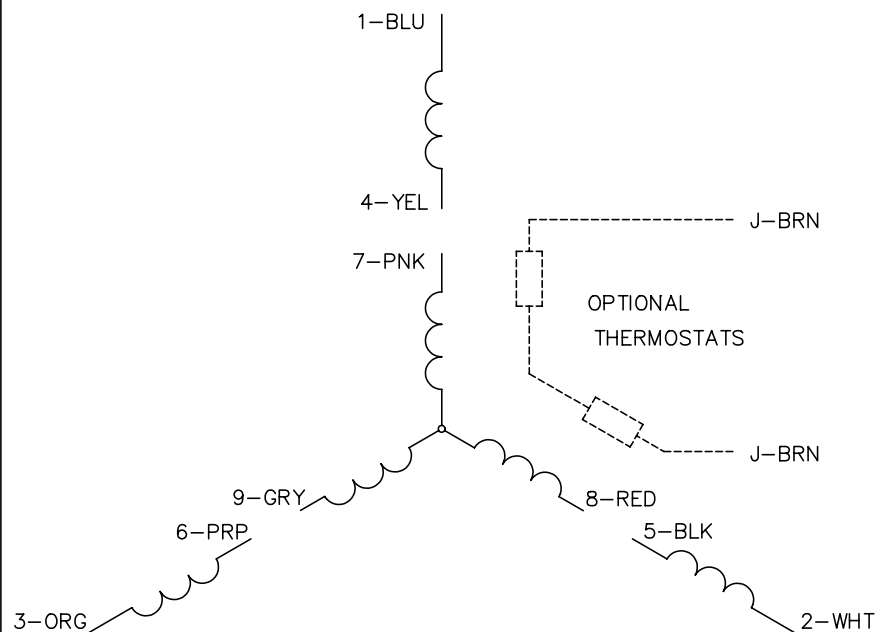
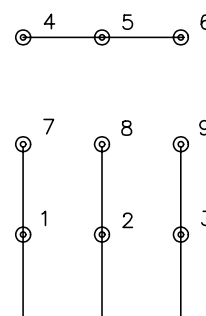
BALDOR

VER 182-4TC TEFC 36M W/SHORT SERIES BRAKE, INT SH GND(AEGIS)

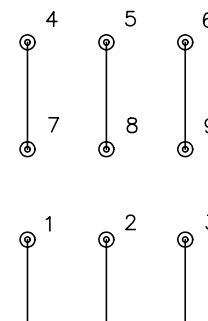
SH 1 of 1

36LYN145

CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005