

BALDOR® • **RELIANCE**

Product Information Packet

VEM3557

1.5HP, 1165RPM, 3PH, 60HZ, 56C, 3632M, TEFC, F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3632M	Elec. Spec:	36WGS916	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36J035	Layout:	36LYJ035
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	04-30-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-16-2015
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA										
CAT.NO.	VEM3557									
SPEC.	36J035S916G1									
HP	1.5									
VOLTS	230/460									
AMP	4.8/2.4									
RPM	1165									
FRAME	56C				HZ	60			PH	3
SER.F.	1.15		CODE	K	DES	B		CL	F	
NEMA-NOM-EFF	87.5		PF	67						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					5
DE	6206			ODE	6205					
ENCL	TEFC		SN							
VPWM INVERTER READY										
CT6-60H(10:1)VT3-60H(20:1										
50Hz 1.5HP 190/380V 4.8/2.4A									SF1.0	

Parts List		
Part Number	Description	Quantity
SA300038	SA 36J035S916G1	1.000 EA
RA287084	RA 36J035S916G1	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	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	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1301A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER PRIMED	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
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 38403 - Typical performance - not guaranteed values

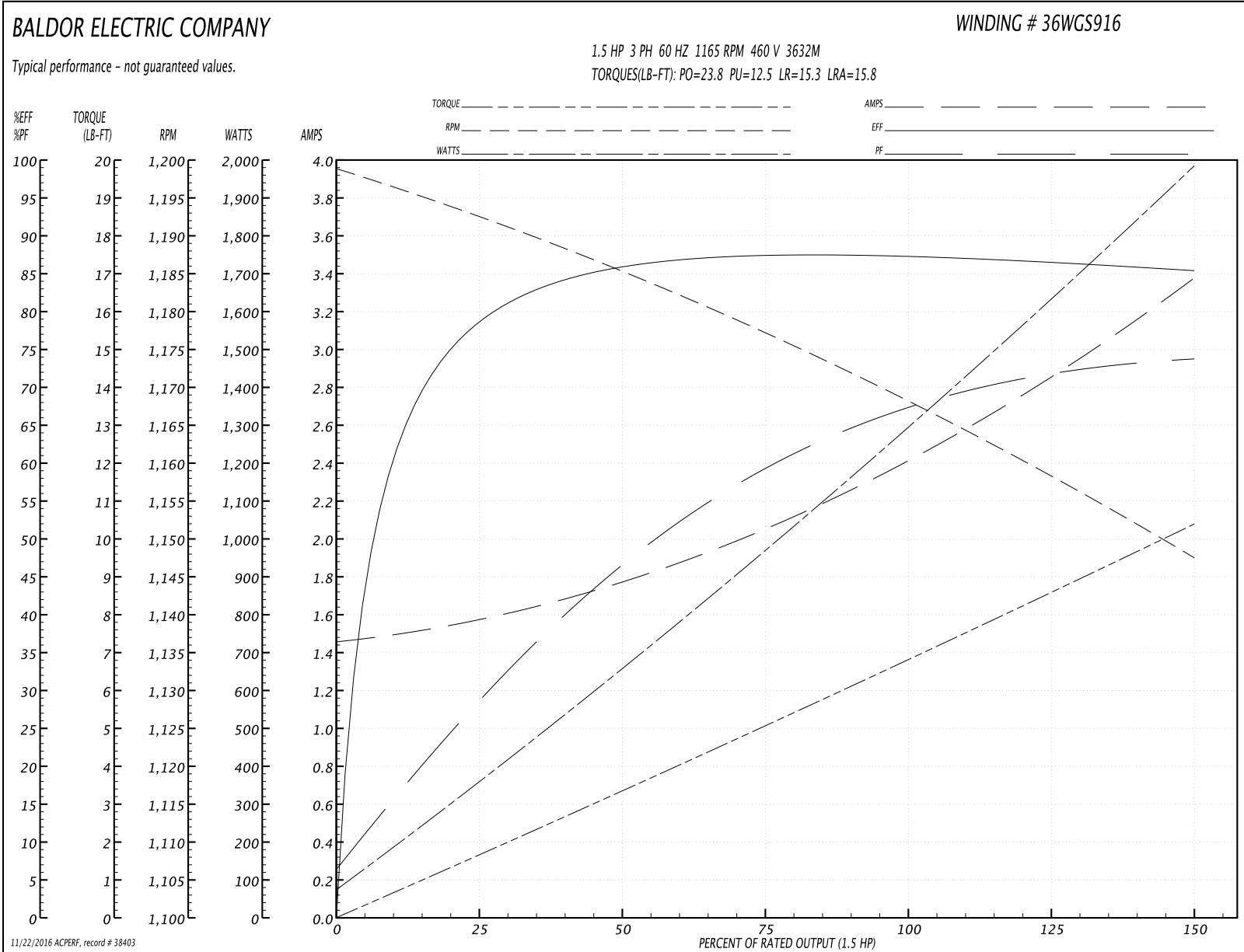
Winding: 36WGS916-R004	Type: 3632M	Enclosure: TEFC
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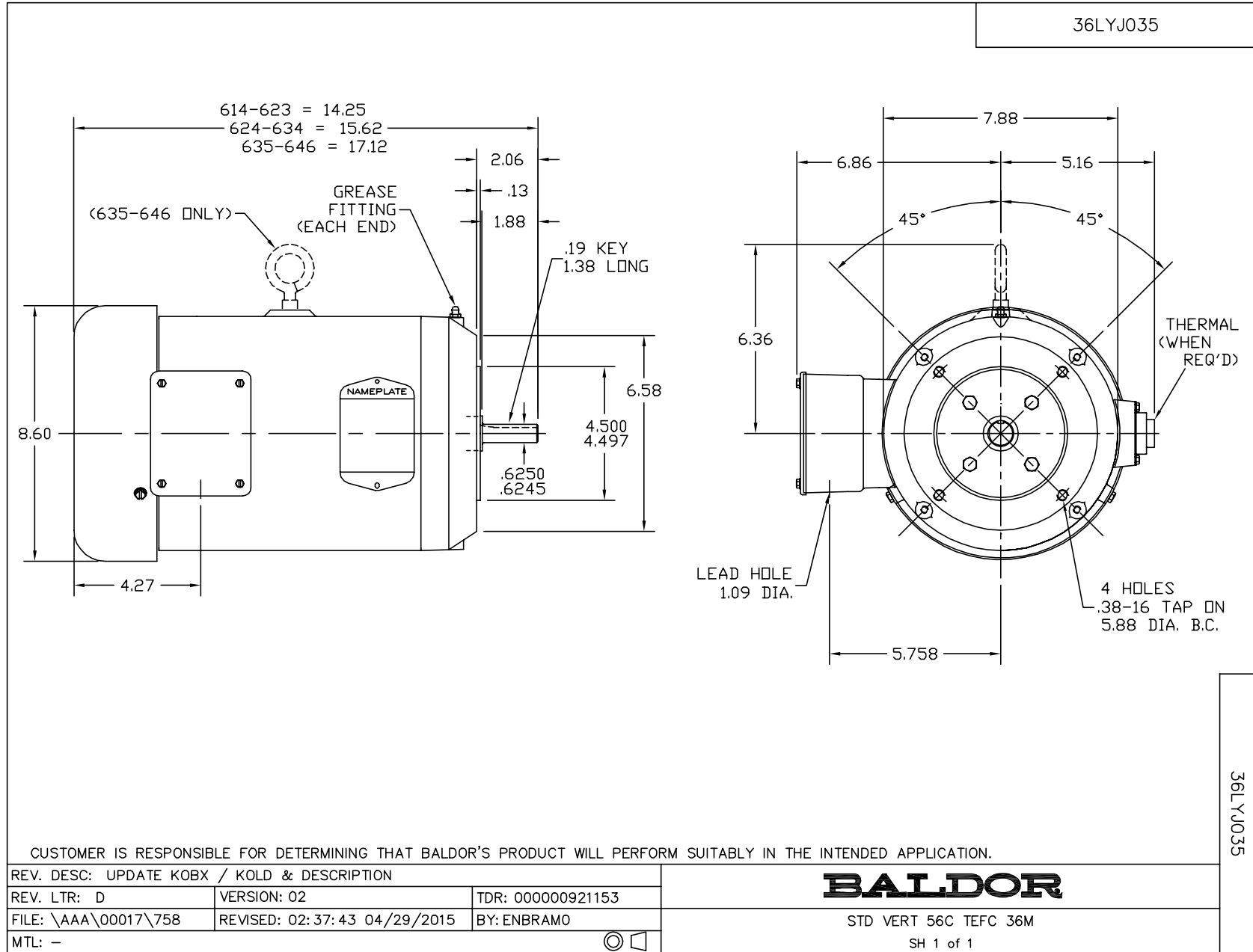
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	6.86 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.8/2.4			Breakdown Torque	23.8 LB-FT
R.P.M.	1165			Pull-up Torque	12.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.3 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	15.8 A
Service Factor (S.F.)	1.15			No-load Current	1.47 A
NEMA Nom. Eff.	87.5	Power Factor	67	Line-line Res. @ 25°C	7.3716 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	41°C
				Locked-rotor Power Factor	30
				Rotor inertia	0.301 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	59	67	71	74	69
Efficiency	79.1	86	87.5	87.5	86.5	85.2	86.9
Speed	1192.2	1184.8	1176.8	1168.1	1158.2	1147.5	1162
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36	2.7

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0005

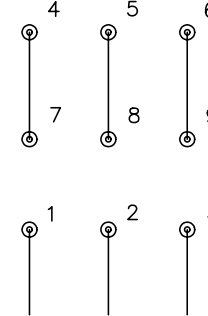


LOW VOLTAGE
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005