

BALDOR® • RELIANCE

Product Information Packet

VEM3713T

15HP,3450RPM,3PH,60HZ,215TC,3750M,TEFC,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3750M	Elec. Spec:	37WGY719	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37A003	Layout:	37LYA003
Frame:	215TC	Mounting:	F1	Poles:	02	Created Date:	04-20-2015
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	11-06-2015
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA

CAT.NO.	VEM3713T										
SPEC.	37A003Y719G1										
HP	15										
VOLTS	230/460										
AMP	34/17										
RPM	3450										
FRAME	215TC				HZ		60			PH	3
SER.F.	1.15		CODE	K	DES		A	CL		F	
NEMA-NOM-EFF	91		PF	91							
RATING	40C AMB-CONT										
CC	010A		USABLE AT 208V					37.5			
DE	6307			ODE		6206					
ENCL	TEFC		SN								
INVERTER READY											
10:1)VT3-60H(20:1											
50Hz 15HP 190/380V 40/20A											

Parts List		
Part Number	Description	Quantity
SA299823	SA 37A003Y719G1	1.000 EA
RA286856	RA 37A003Y719G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3300A01	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
HA3104A18	THRUBOLT- 5/16-18 X14.000	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL	1.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	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 # 53406 - Typical performance - not guaranteed values

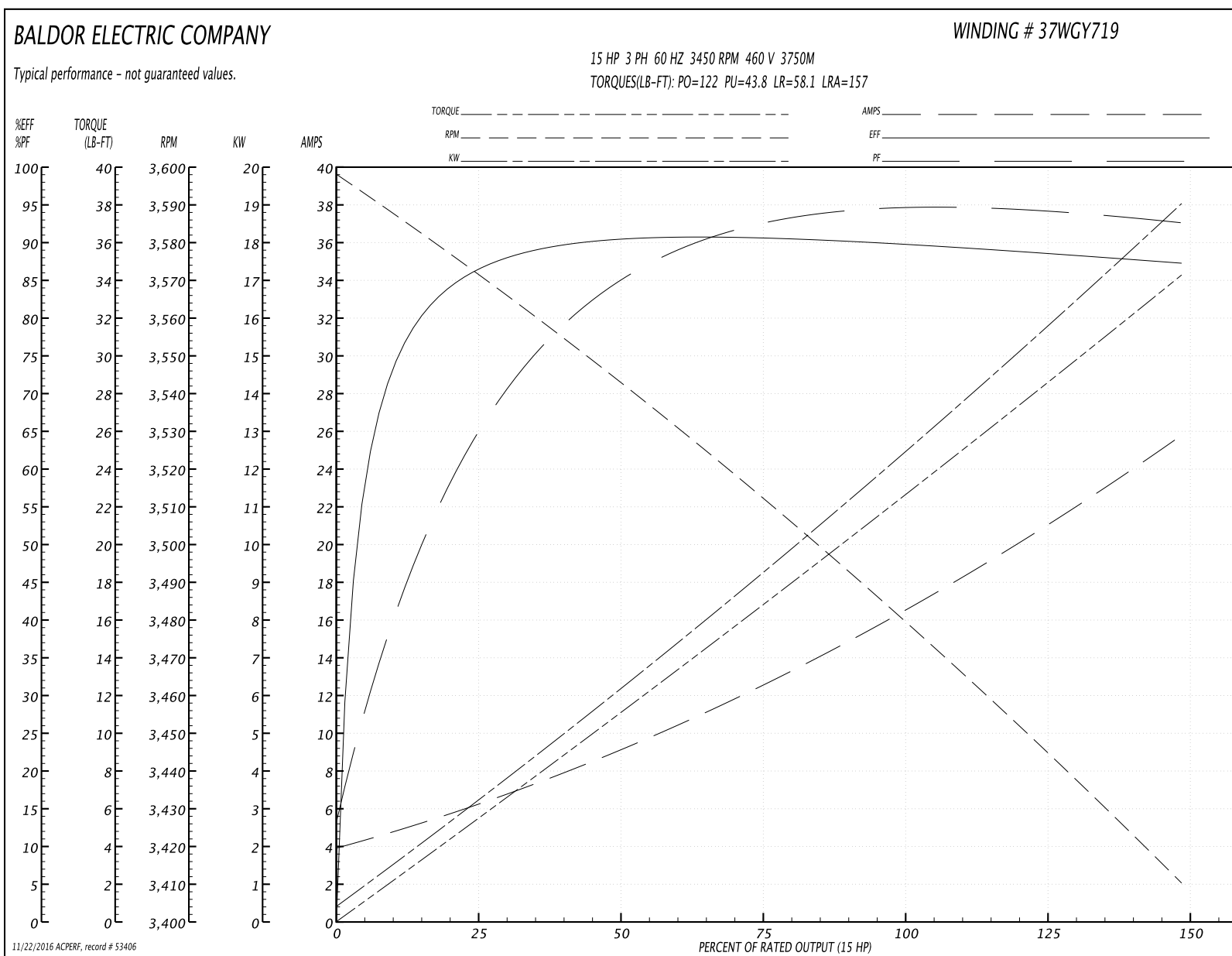
Winding: 37WGY719-R032	Type: 3750M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	34/17			Breakdown Torque	122 LB-FT
R.P.M.	3450			Pull-up Torque	43.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	58.1 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	157 A
Service Factor (S.F.)	1.15			No-load Current	4.25 A
NEMA Nom. Eff.	91	Power Factor	91	Line-line Res. @ 25°C	0.539 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	99°C
				Locked-rotor Power Factor	31.9
				Rotor inertia	0.457 LB-FT ²

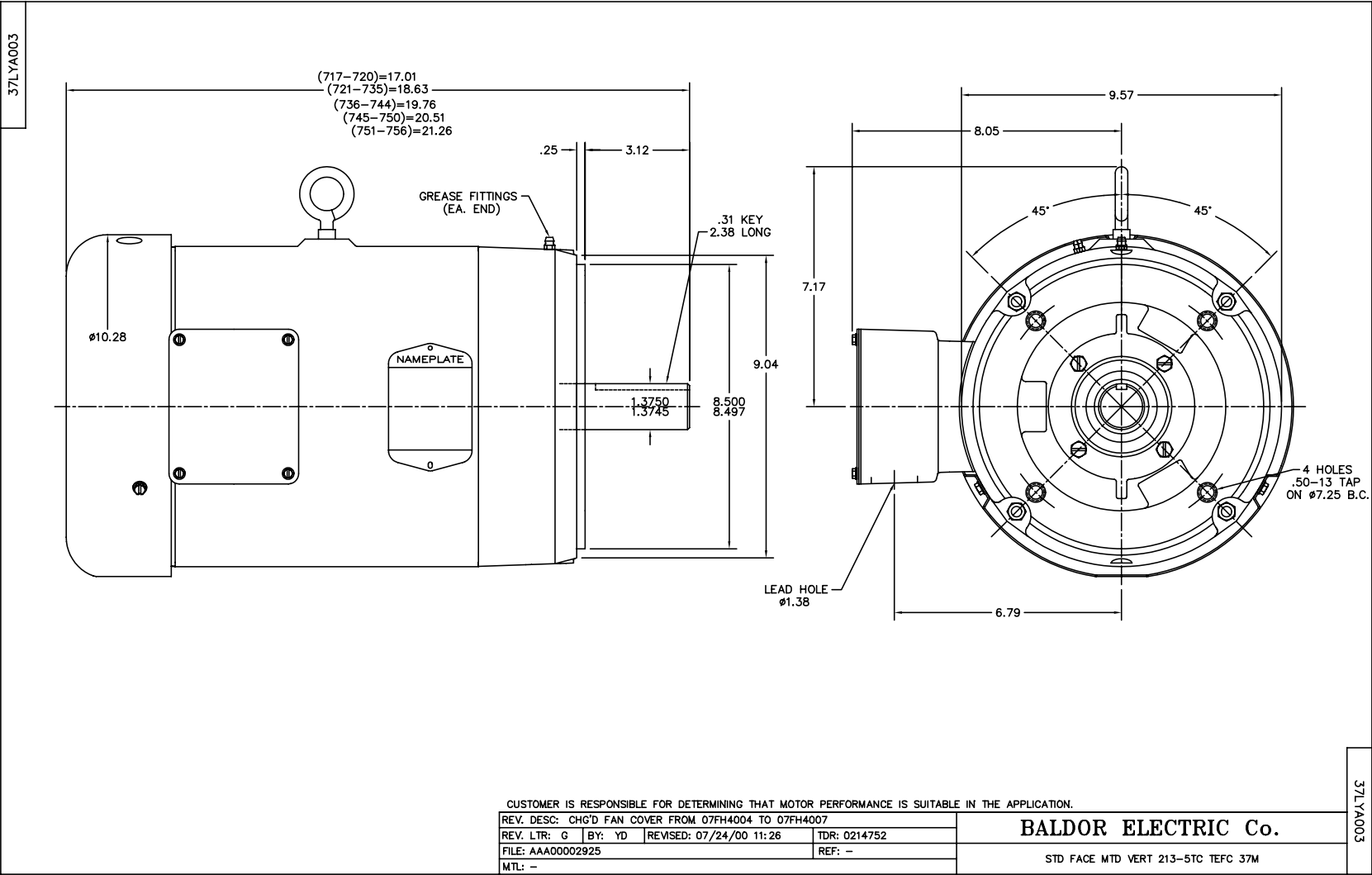
Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	68	87	91	93	93	93	93
Efficiency	85.4	89.8	90.8	91	88.7	87.2	89.3
Speed	3572	3545	3514	3483	3447	3410	3461
Line amperes	5.64	8.7	12.5	16.4	20.9	25.6	19.1

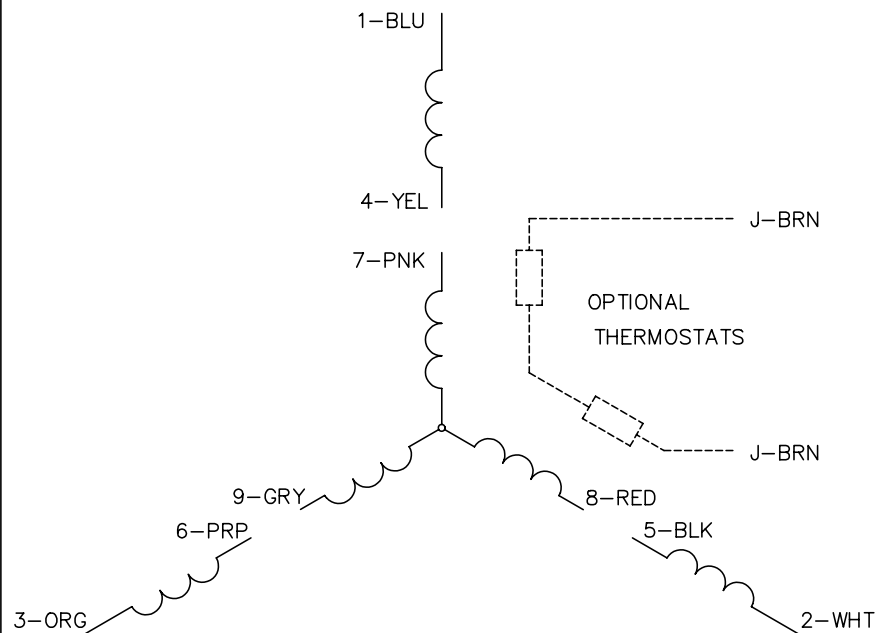
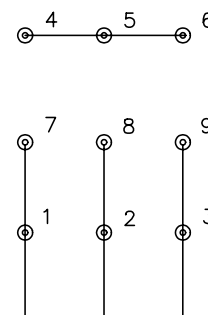
Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



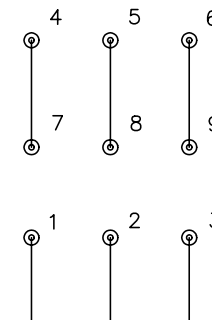
11/22/2016 ACPERF, record # 53406



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