

BALDOR® • RELIANCE

Product Information Packet

EMM3613

3.7KW,3450RPM,3PH,60HZ,D100L,3634M,TEFC

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Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGT202	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36M715	Layout:	
Frame:	D100L	Mounting:	B3	Poles:	02	Created Date:	04-05-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-25-2011
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1159L							
CAT.NO.	EMM3613						
SPEC.	36M715T202G1						
IEC FRAME	D100L	KW				3.7KW	
VOLTS	208-230/460						
AMP	12.4-11.2/5.6						
RPM	3450	ENCL				TEFC	
HZ	60	PH				3	CL F
SER.F.	1.15	DES				B	CODE G
NEMA-NOM-EFF	88.5	I.P.				54	
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6206	ODE				6205	
SER. #							

Parts List		
Part Number	Description	Quantity
SA193233	SA 36M715T202G1	1.000 EA
RA180848	RA 36M715T202G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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
36EP3101A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36FH4009A62	IEC FH, W/ AUTOPHERETIC PRIMER	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
HW2505A14	KEY, 8 X 7 MM 1.50 INCHES	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1159L	SS SUPER-E IEC UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA

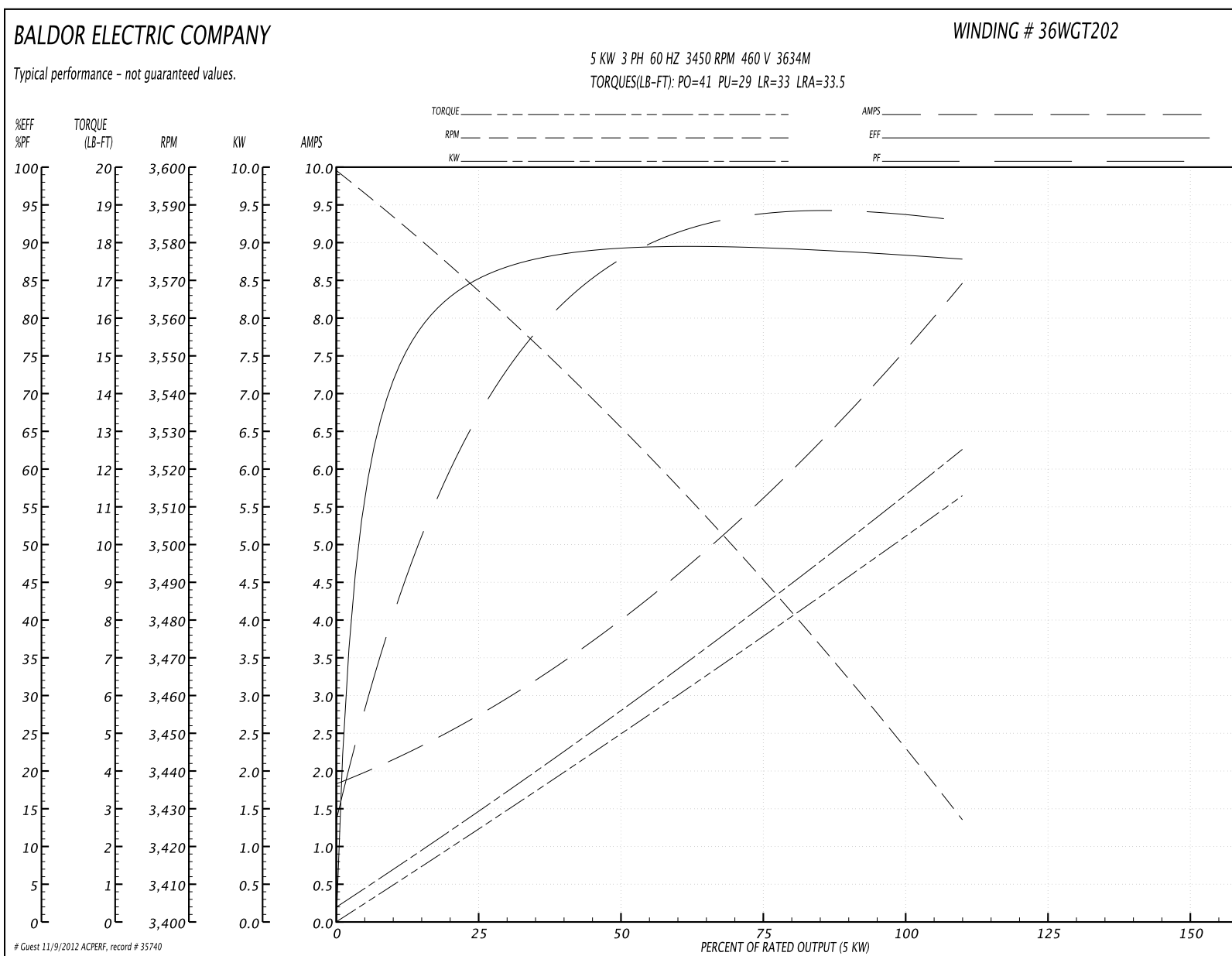
Performance Data at 460V, 60Hz, 5.0KW (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	7.5 LB-FT	Start Configuration:	DOL
No-Load Current:	1.9 Amps	Break-Down Torque:	41.0 LB-FT
Line-line Res. @ 25°C.:	1.89 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	29.0 LB-FT
Temp. Rise @ Rated Load:	61 C	Locked-Rotor Torque:	33.0 LB-FT
Temp. Rise @ S.F. Load:	73 C	Starting Current:	33.5 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	61.0	82.0	90.0	93.0	93.0	94.0	93.0
Efficiency:	82.3	88.2	89.6	89.4	88.7	87.9	89.0
Speed:	3575.0	3550.0	3521.0	3491.0	3461.0	3427.0	3473.0
Line Amperes:	2.4	3.3	4.4	5.6	7.0	8.4	6.44

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



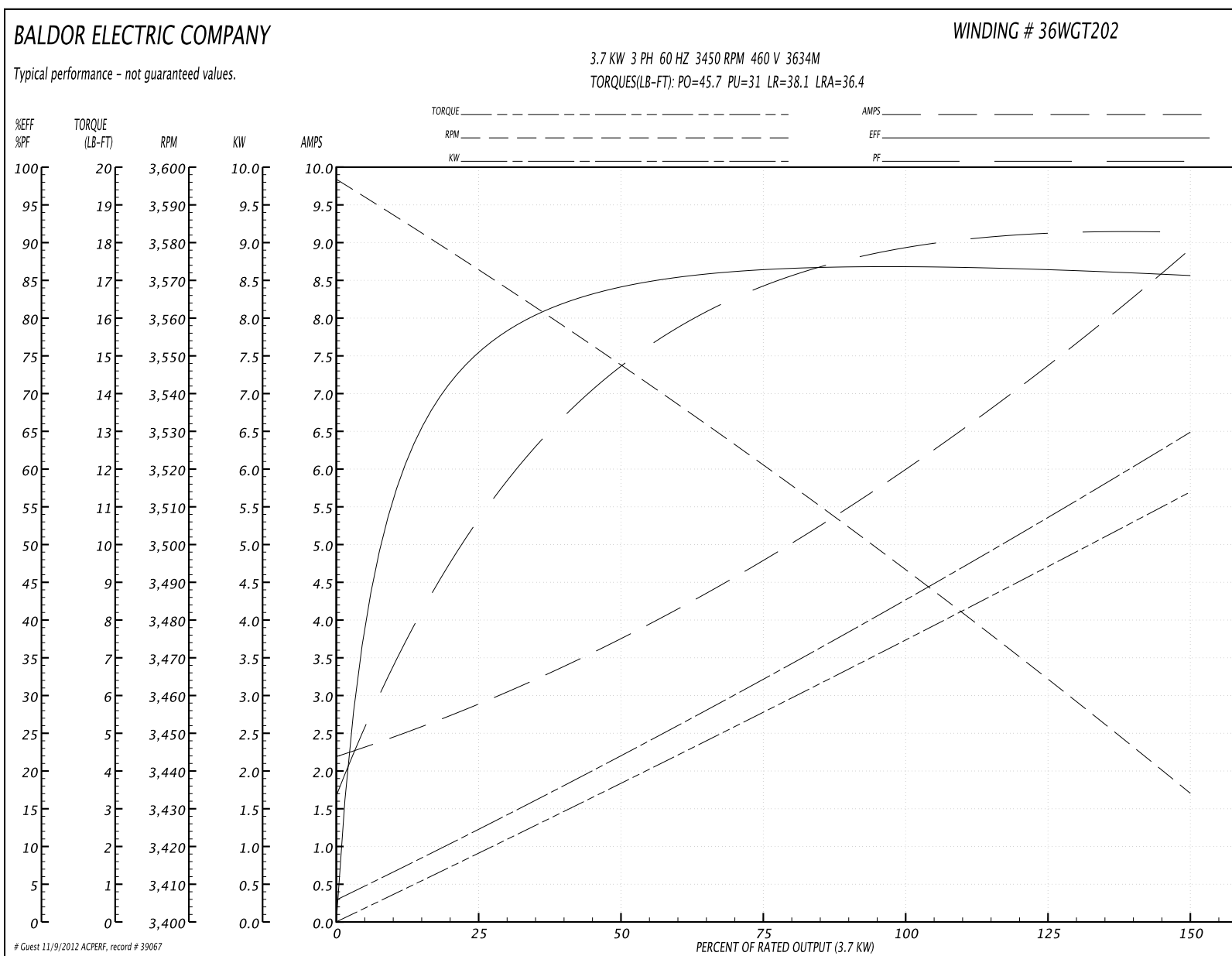
Performance Data at 460V, 60Hz, 3.7KW (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	7.54 LB-FT	Start Configuration:	DOL
No-Load Current:	2.26 Amps	Break-Down Torque:	45.7 LB-FT
Line-line Res. @ 25°C.:	1.8592 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	31.0 LB-FT
Temp. Rise @ Rated Load:	70 C	Locked-Rotor Torque:	38.1 LB-FT
Temp. Rise @ S.F. Load:	82 C	Starting Current:	36.4 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	56.0	75.0	84.0	89.0	91.0	92.0	90.0
Efficiency:	75.6	84.0	86.5	87.0	86.7	85.8	86.8
Speed:	3570.7	3546.2	3520.6	3492.6	3464.2	3433.3	3476.0
Line Amperes:	2.82	3.74	4.85	6.11	7.45	8.87	6.91

Performance Graph at 460V, 60Hz, 3.7KW Typical performance - Not guaranteed values



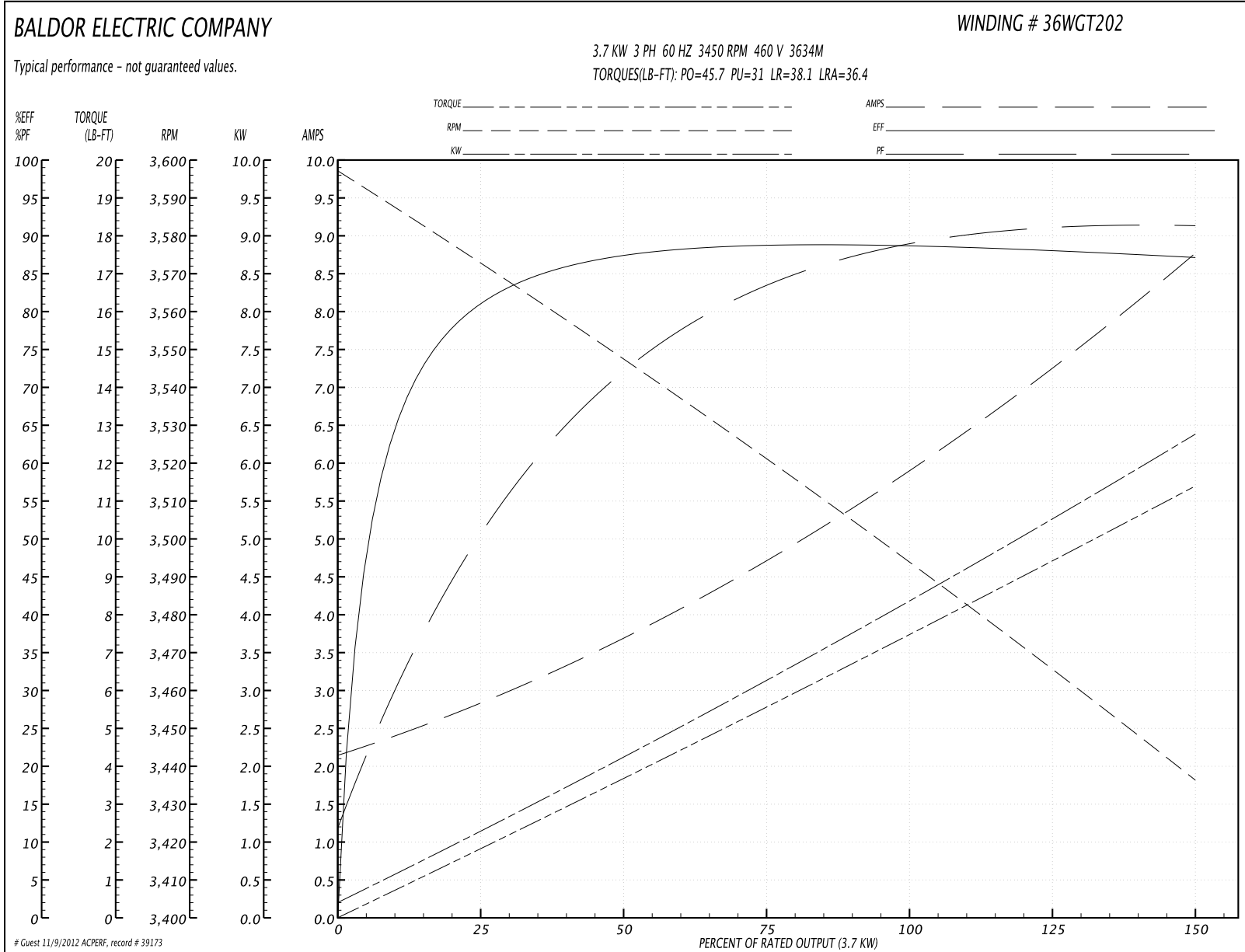
Performance Data at 460V, 60Hz, 3.7KW (Typical performance - Not guaranteed values)**General Characteristics**

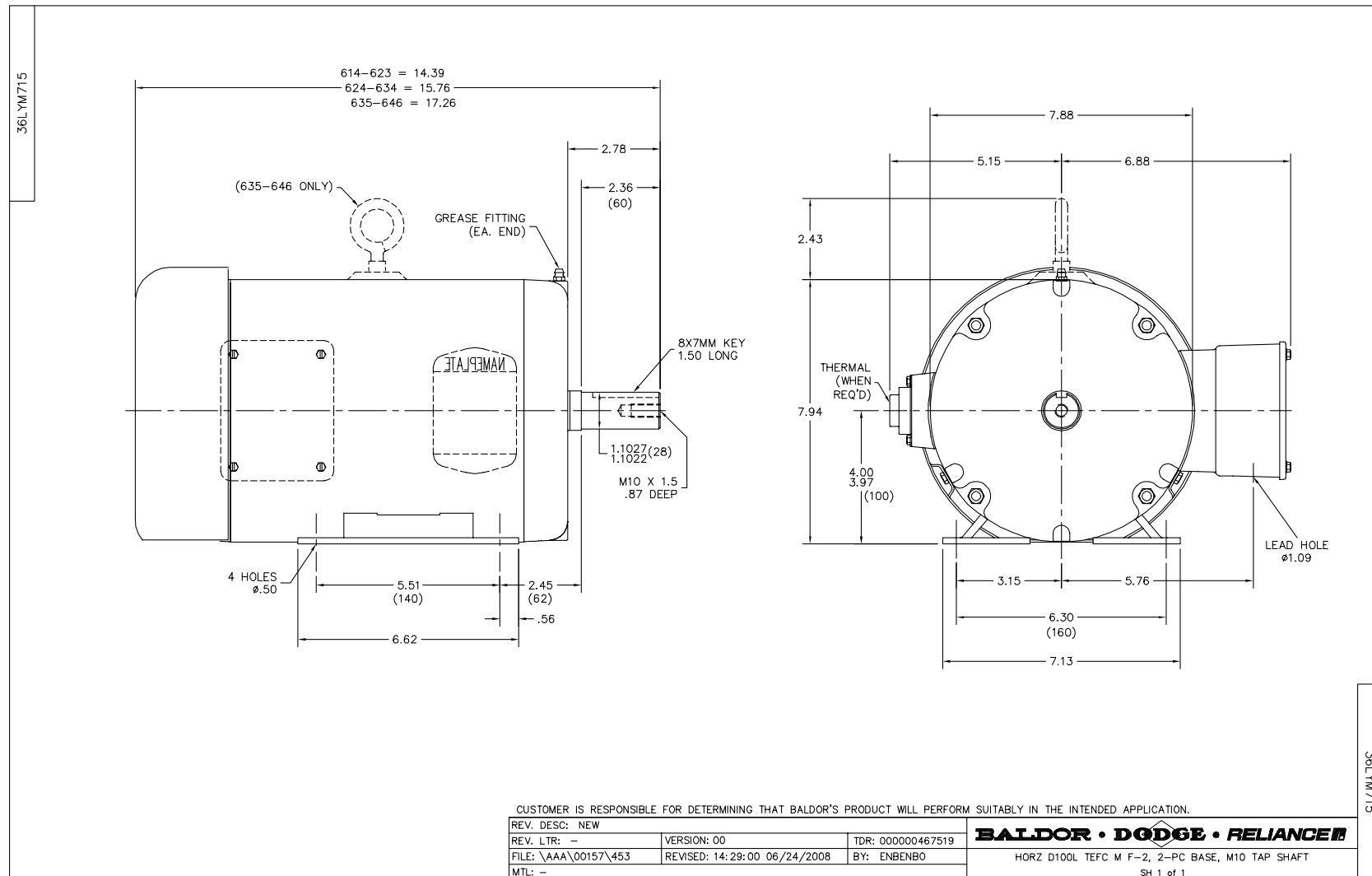
Full Load Torque:	7.54 LB-FT	Start Configuration:	DOL
No-Load Current:	2.23 Amps	Break-Down Torque:	45.7 LB-FT
Line-line Res. @ 25°C.:	1.8592 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	31.0 LB-FT
Temp. Rise @ Rated Load:	65 C	Locked-Rotor Torque:	38.1 LB-FT
Temp. Rise @ S.F. Load:	78 C	Starting Current:	36.4 Amps

Load Characteristics

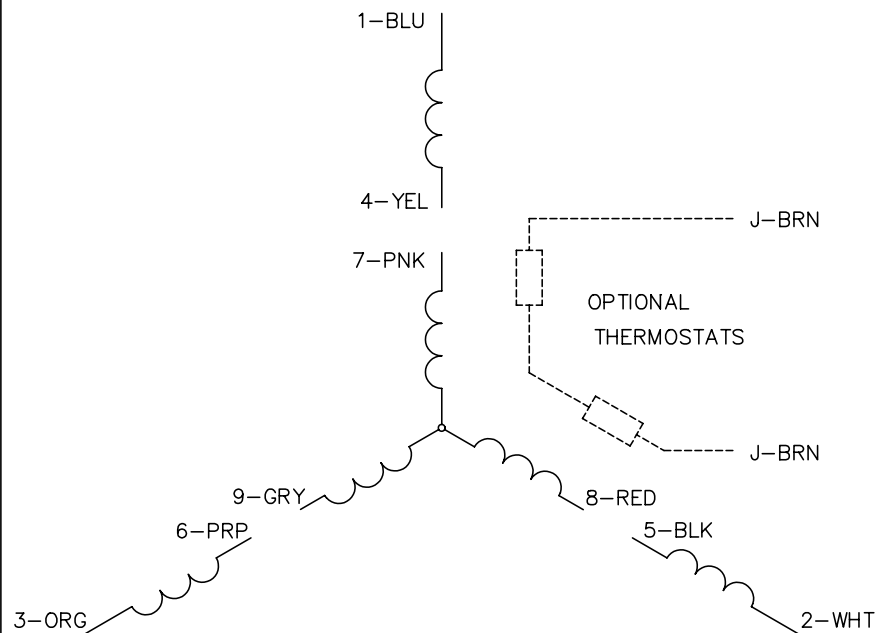
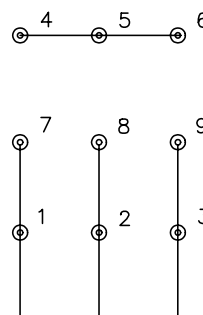
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	53.0	74.0	83.0	88.0	90.0	92.0	89.0
Efficiency:	81.0	87.4	88.8	88.8	88.1	87.1	88.4
Speed:	3571.6	3546.9	3521.5	3493.5	3464.6	3436.2	3476.0
Line Amperes:	2.74	3.63	4.75	6.0	7.36	8.7	6.82

Performance Graph at 460V, 60Hz, 3.7KW Typical performance - Not guaranteed values

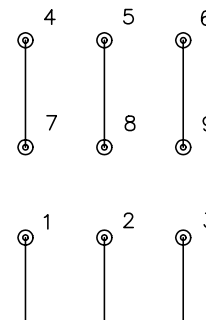




CD0005


 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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005