

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

BM3707

5HP,1725RPM,3PH,60HZ,215,BRAKE,3634M

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGW415	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36K140	Layout:	
Frame:	215	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-22-2008
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L

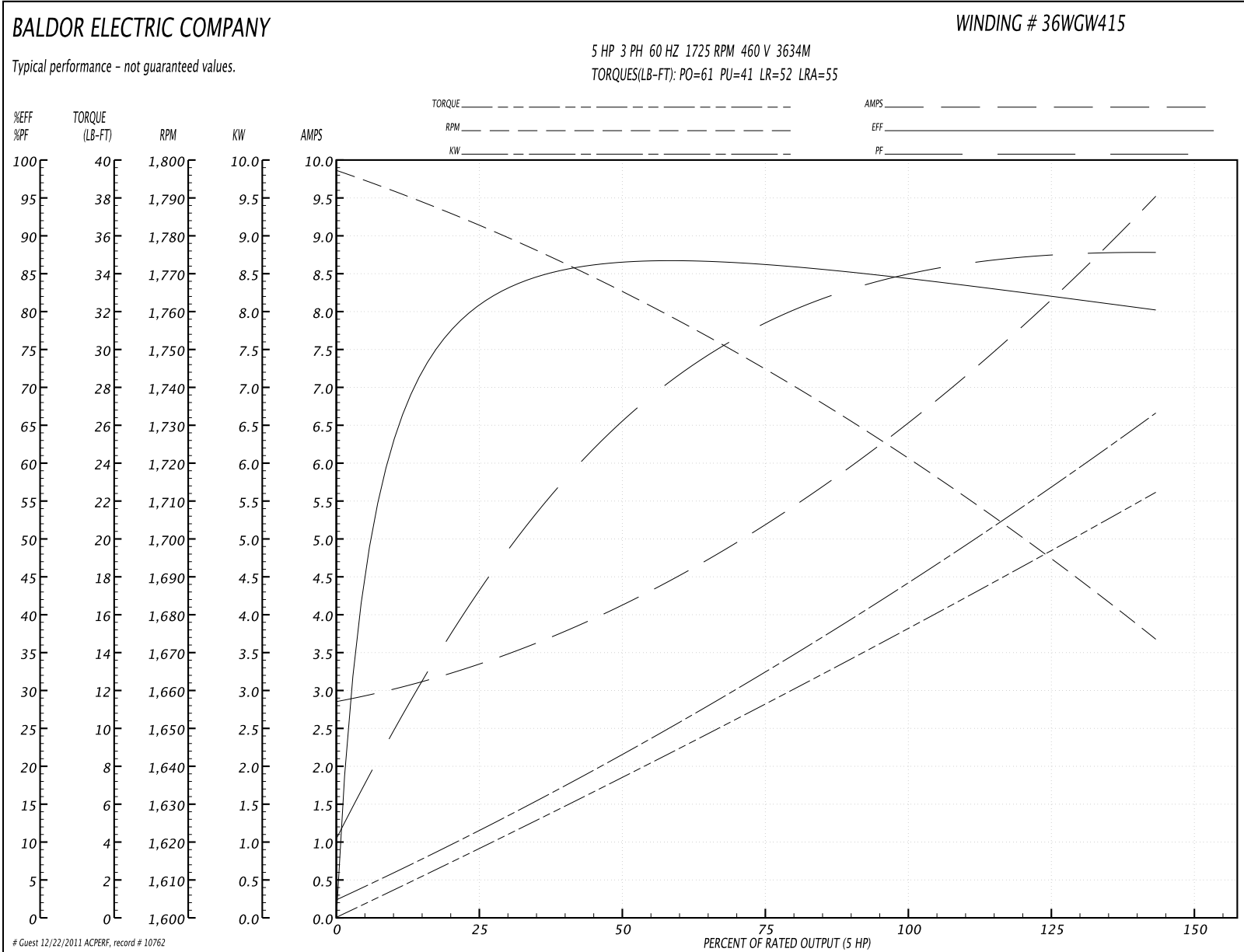
CAT.NO.	BM3707						
SPEC.	36K140W415G1						
HP	5						
VOLTS	208-230/460						
AMP	15-13.2/6.6						
RPM	1725						
FRAME	215	HZ	60	PH	3		
SER.F.	1.15	CODE	J	DES	B	CLASS	F
NEMA-NOM-EFF	85.5	PF	80				
RATING	40C AMB-CONT						
CC				USABLE AT 208V	15		
DE	6206	ODE	6205				
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA082228	SA 36K140W415G1	1.000 EA
RA075546	RA 36K140W415G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
36CB3004A31	36 CB 1.38 @ 6	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
36EP3306A04	FR ENDPLATE, MACH .281 FOR T-BOLT, W/O T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A02	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA3101A58	THRUBOLT 1/4-20 X 12.875 TDR #45540	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
HW2500A16	EY, USA #606, WOODRUFF	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A05SP	IEC FH,GREASER & 1.38 SHAFT HOLE,W/ AUTO	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HW2501D08	KEY, 3/16 SQ X .875 AUTO	1.000 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
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
36FN3000A02SP	EXFN, PLASTIC, 7.00 OD, 1.175 ID	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.022 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
76BK6100DQF	1-056-061-00-DQF BRAKE TDR 96653	1.000 EA
84XN3816J36	3/8-16X2-1/4 SOCK HD, BK OX	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
GOPA1000	PACKAGING GROUP	1.000 EA

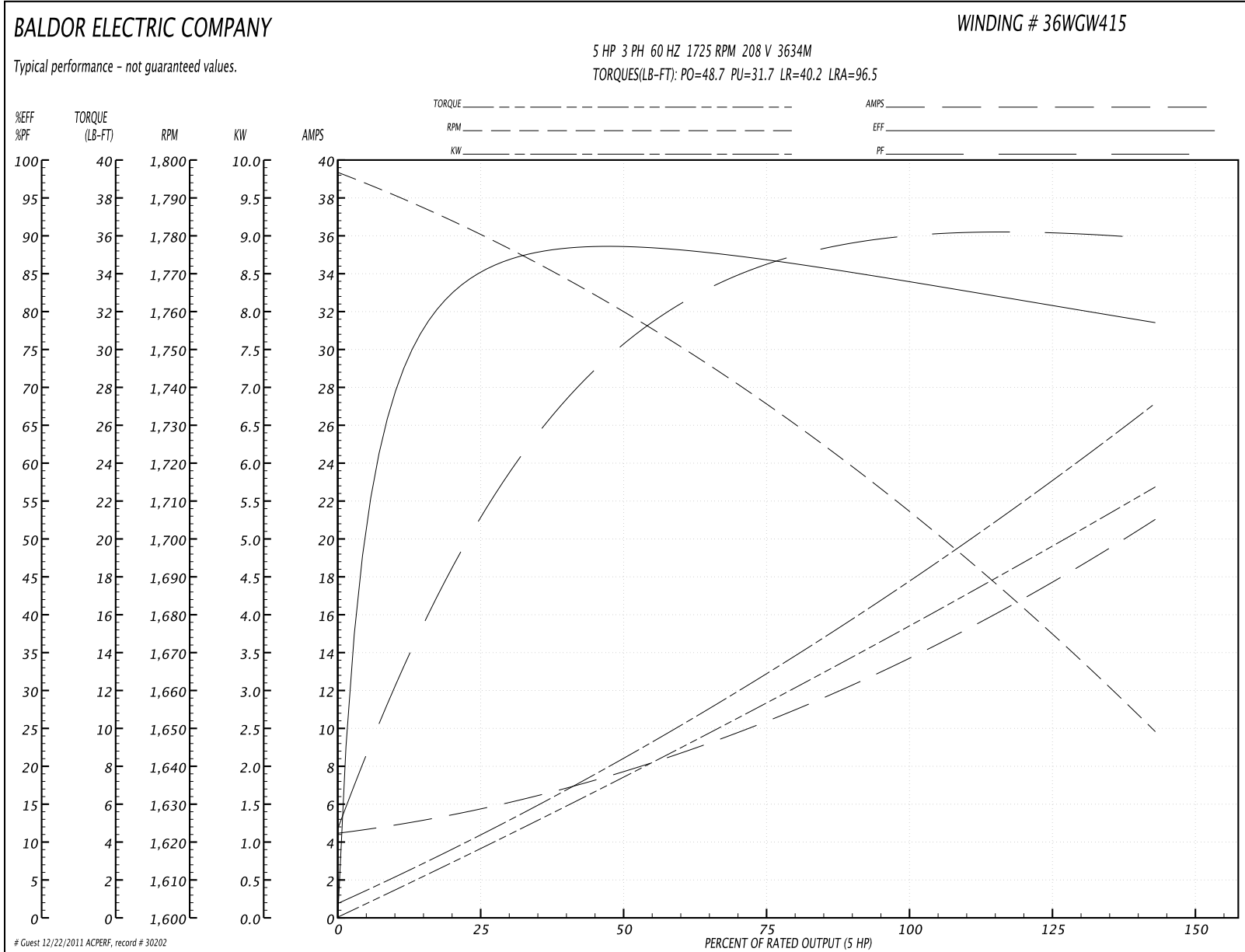
Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	15.0 LB-FT			Start Configuration:	DOL		
No-Load Current:	2.9 Amps			Break-Down Torque:	61.0 LB-FT		
Line-line Res. @ 25°C.:	2.97 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	41.0 LB-FT		
Temp. Rise @ Rated Load:	92 C			Locked-Rotor Torque:	52.0 LB-FT		
Temp. Rise @ S.F. Load:	110 C			Starting Current:	55.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	47.0	69.0	80.0	86.0	88.0	90.0	87.0
Efficiency:	81.1	85.9	86.1	84.7	82.7	80.0	83.5
Speed:	1782.0	1764.0	1745.0	1723.0	1701.0	1672.0	1710.0
Line Amperes:	3.3	4.1	5.2	6.5	7.9	9.5	7.3

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

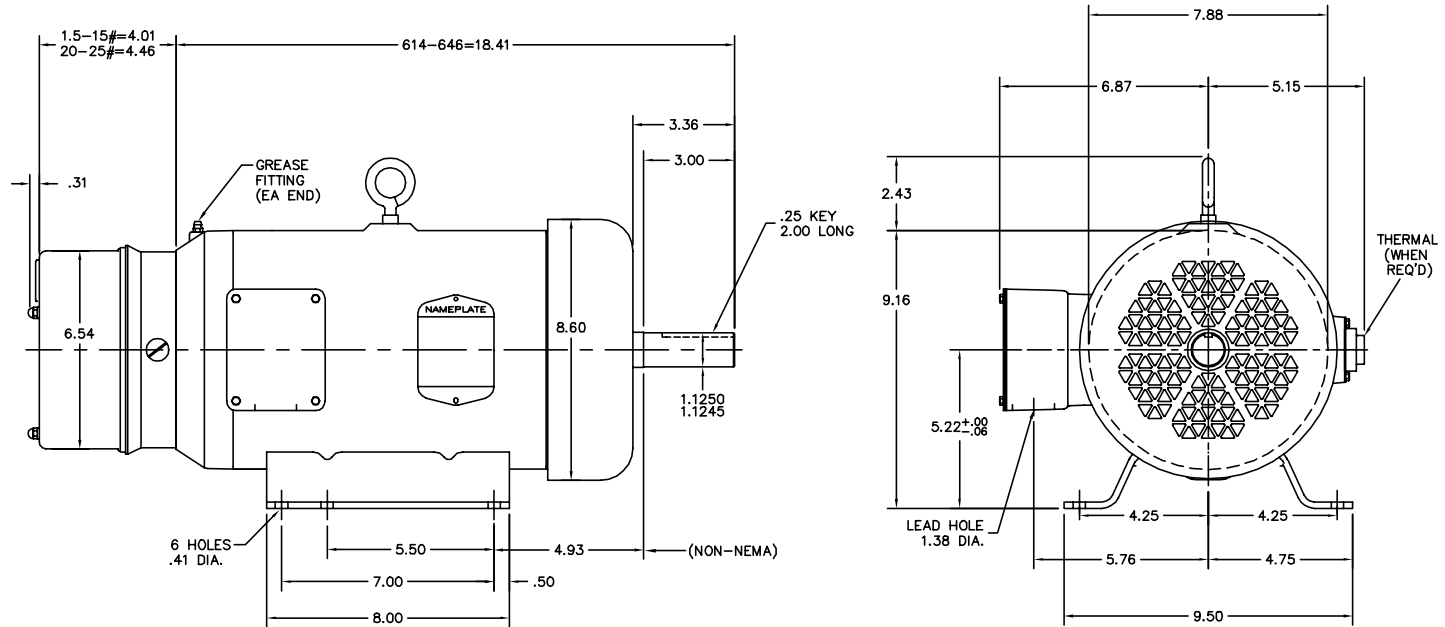


Performance Data at 208V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	15.1 LB-FT			Start Configuration:	DOL		
No-Load Current:	4.58 Amps			Break-Down Torque:	48.7 LB-FT		
Line-line Res. @ 25°C.:	0.738 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	31.7 LB-FT		
Temp. Rise @ Rated Load:	93 C			Locked-Rotor Torque:	40.2 LB-FT		
Temp. Rise @ S.F. Load:	116 C			Starting Current:	96.5 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	55.0	77.0	86.0	89.0	90.0	90.0	90.0
Efficiency:	85.1	87.7	86.7	84.5	81.6	78.3	82.8
Speed:	1779.0	1758.0	1736.0	1710.0	1683.0	1647.0	1694.0
Line Amperes:	5.61	7.68	10.4	13.6	17.0	21.0	15.6

Performance Graph at 208V, 60Hz, 5.0HP Typical performance - Not guaranteed values



36LYK140



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW			
REV. LTR: -	BY: M/M	REVISED: 08:26:52 12/12/2001	TDR: 255424
FILE: AAA00090823	REF: 36LYK140		
MTL: -			

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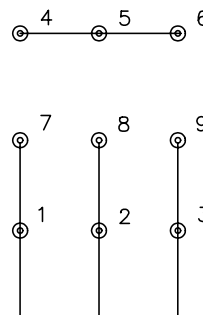
HORZ 213-5 TEFC 36M W/76 SERIES BRAKE

36LYK140

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: -	

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3PH, DV, 9 LEADS

CD0005