

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

M3709

7.5HP,3450RPM,3PH,60HZ,215,3640M,TEFC,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGX875	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36G890	Layout:	
Frame:	215	Mounting:	F1	Poles:	02	Created Date:	05-19-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-21-2010
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L

CAT.NO.	M3709						
SPEC.	36G890X875H1						
HP	7.5						
VOLTS	208-230/460						
AMP	18.5-17.4/8.7						
RPM	3450						
FRAME	215	HZ	60	PH	3		
SER.F.	1.15	CODE	M	DES	A	CLASS	F
NEMA-NOM-EFF	88.5	PF	93				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	18.5				
DE	6206	ODE	6205				
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA196750	SA 36G890X875H1	1.000 EA
RA184163	RA 36G890X875H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
36CB3000SP	CONDUIT BOX, CAST	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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	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
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102SP	IEC FH GREASER W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4514	35 LIPPED CB LID	1.000 EA
36GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK #SV-3	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

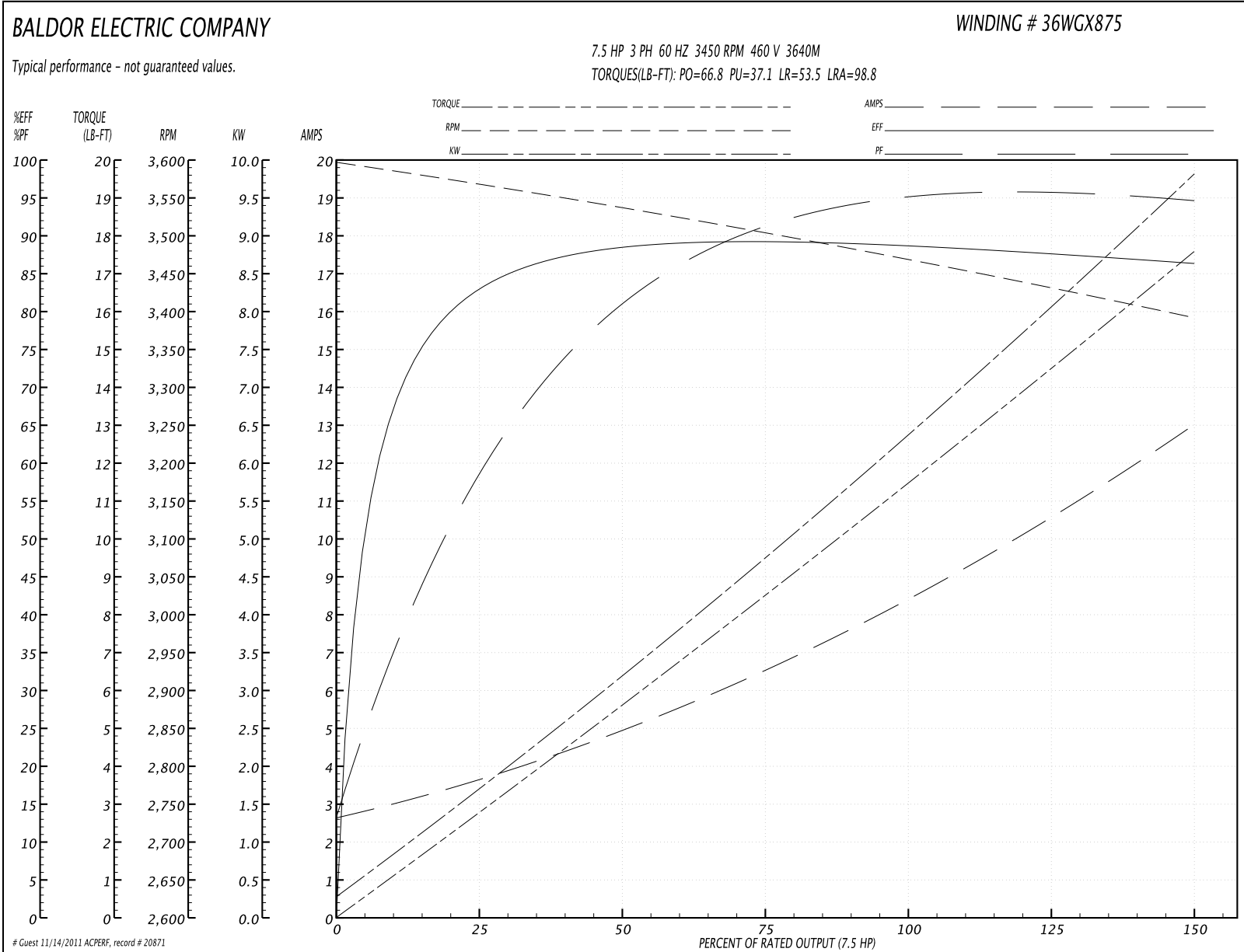
Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.022 GA
35FN3002A04SP	EXFN, PLASTIC, 6.376 OD, .906 ID W/KEY	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	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
36PA1001	PACKAGING GROUP	1.000 EA

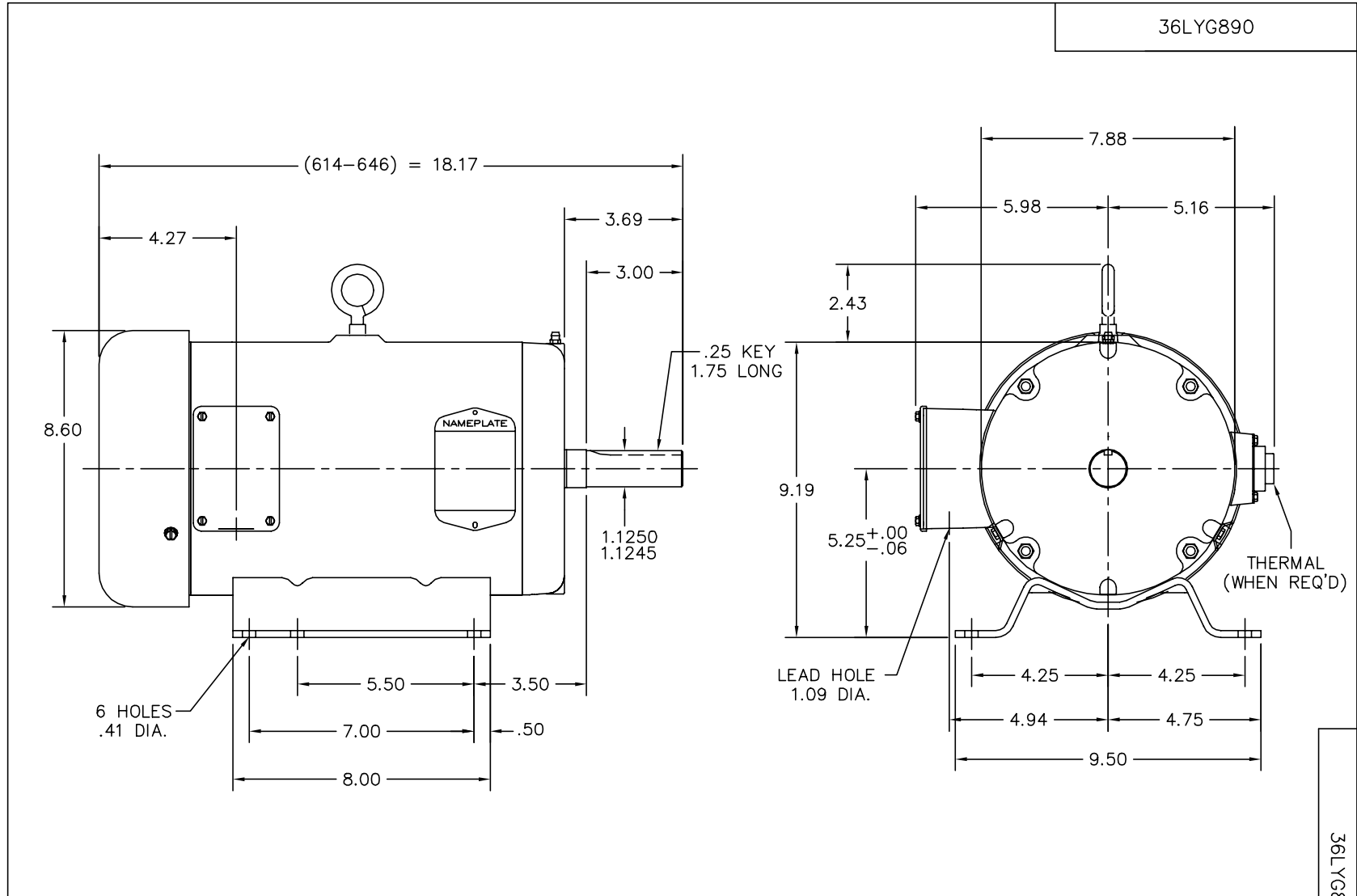
Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	11.5 LB-FT			Start Configuration:	DOL		
No-Load Current:	2.78 Amps			Break-Down Torque:	66.8 LB-FT		
Line-line Res. @ 25°C.:	1.45 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	37.1 LB-FT		
Temp. Rise @ Rated Load:	74 C			Locked-Rotor Torque:	53.5 LB-FT		
Temp. Rise @ S.F. Load:	91 C			Starting Current:	98.8 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	63.0	83.0	91.0	94.0	95.0	96.0	95.0
Efficiency:	83.3	88.4	89.3	88.7	87.6	86.1	88.0
Speed:	3564.0	3535.0	3506.0	3468.0	3432.0	3391.0	3446.0
Line Amperes:	3.51	4.89	6.61	8.52	10.7	12.9	9.83

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





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

REV. DESC: UPDATE DRAWING		
REV. LTR: C	VERSION: 02	TDR: 000000499221
FILE: \AAA\00004\441	REVISED: 07:50:24 05/07/2009	
MTL: -	BY: ENALEMO	

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HORZ 213-5 TEFC 36M

SH 1 of 1

36LYG890

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

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MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005