

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **L3409**

**.5HP, 1725RPM, 1PH, 60HZ, 48, 3421L, TEFC, F1**

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Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3421L	Elec. Spec:	34WG5422	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34C051	Layout:	
Frame:	48	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-02-2012
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	L3409								
SPEC.	34C51-5422								
HP	.5								
VOLTS	115/230								
AMP	7.4/3.7								
RPM	1725								
FRAME	48	HZ	60	PH	1				
SER.F.	1.25	CODE	J	DES	N	CLASS	B		
NEMA-NOM-EFF	68	PF	66						
RATING	40C AMB-CONT								
CC				USABLE AT 208V	4.3				
DE	6203	ODE	6203						
ENCL	TEFC	SN							
	SFA 8.2/4.1								

Parts List		
Part Number	Description	Quantity
SA008574	SA 34C51-5422	1.000 EA
RA005021	RA 34C51-5422	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

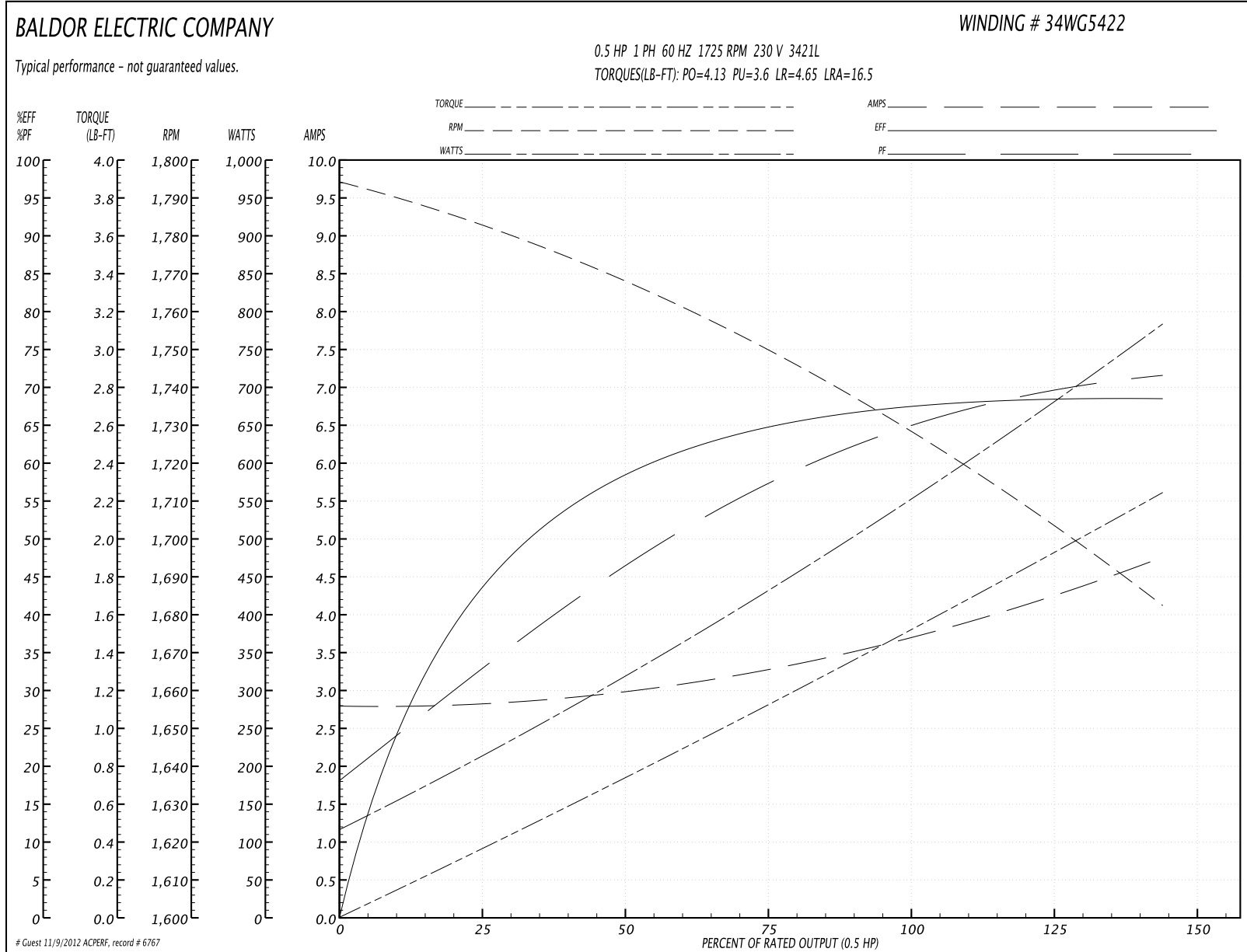
Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5056A24	MODEL 34 TYPE L STATIONARY SWITCH WITH L	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-3900T	C-FACE KIT	A8

**Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**

General Characteristics							
Full Load Torque:	1.5 LB-FT			Start Configuration:	DOL		
No-Load Current:	2.8 Amps			Break-Down Torque:	4.13 LB-FT		
Line-line Res. @ 25°C.:	4.44 Ohms A Ph / 3.19 Ohms B Ph			Pull-Up Torque:	3.6 LB-FT		
Temp. Rise @ Rated Load:	63 C			Locked-Rotor Torque:	4.65 LB-FT		
Temp. Rise @ S.F. Load:	77 C			Starting Current:	16.5 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	32.0	46.0	59.0	66.0	72.0	80.0	72.0
Efficiency:	42.0	58.0	65.0	68.0	69.0	68.0	69.0
Speed:	1783.0	1765.0	1750.0	1730.0	1710.0	1680.0	1710.0
Line Amperes:	2.8	3.0	3.3	3.7	4.1	4.8	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values

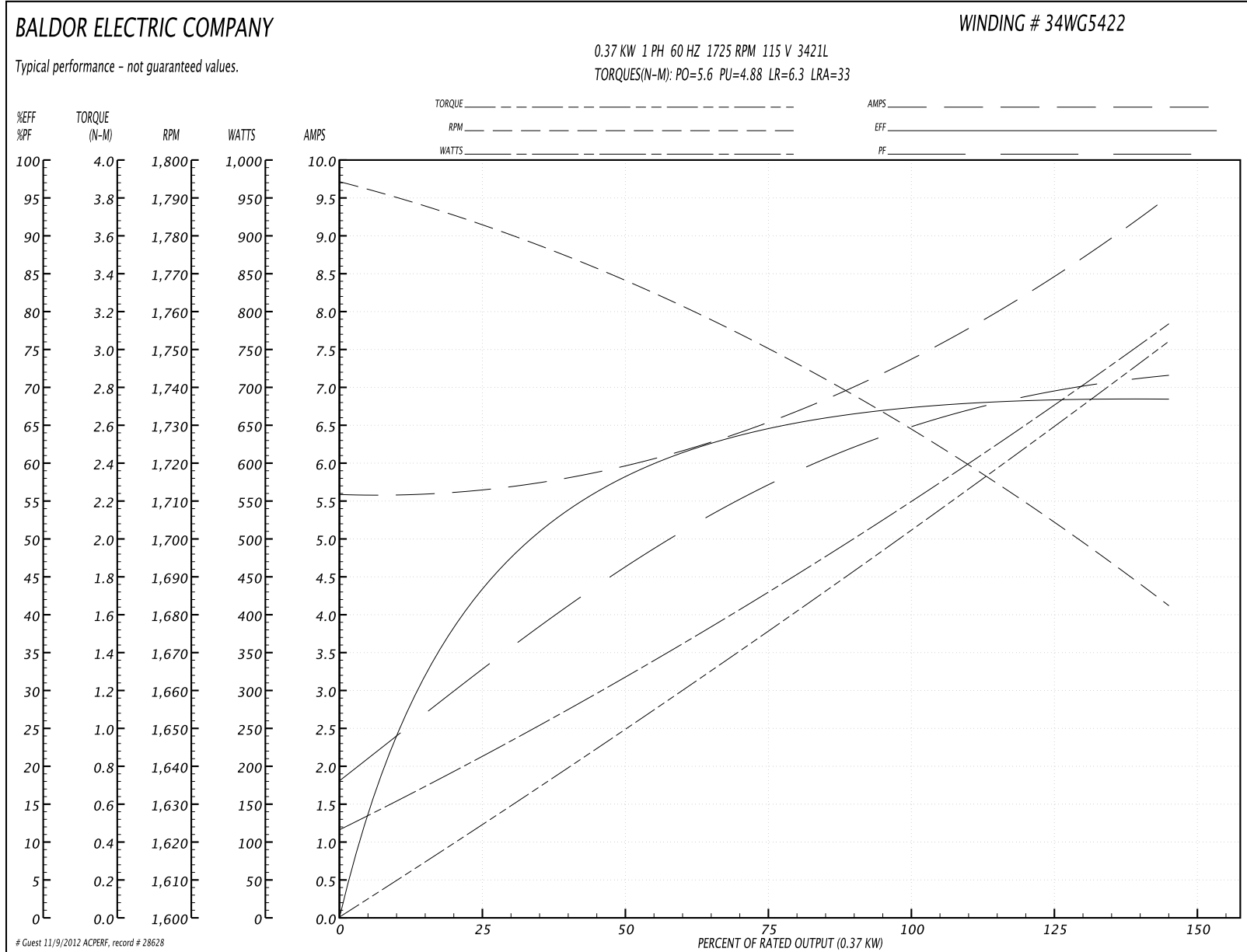


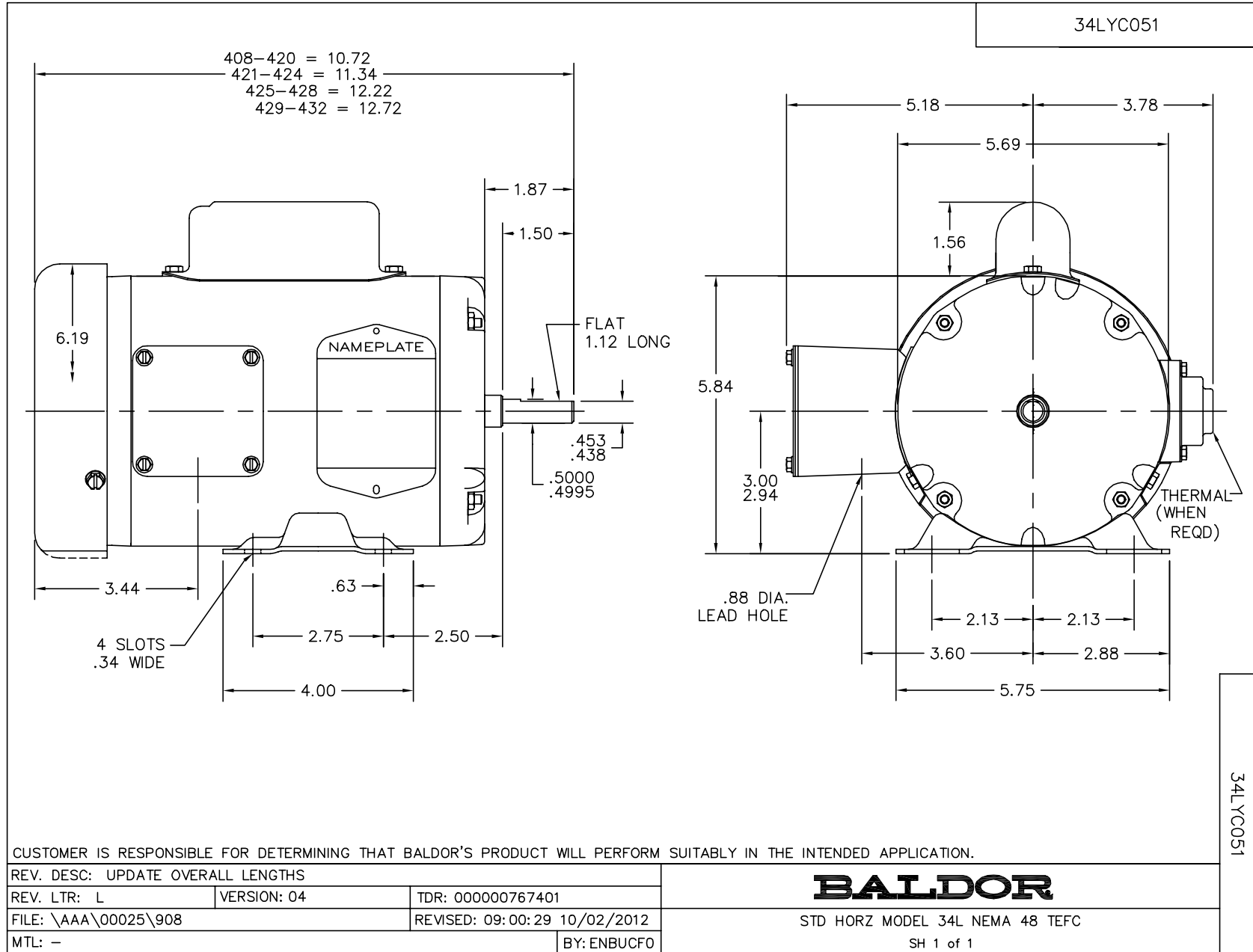
**Performance Data at 115V, 60Hz, 0.37KW (Typical performance - Not guaranteed values)**

General Characteristics							
Full Load Torque:	2.03 N-M			Start Configuration:	DOL		
No-Load Current:	5.6 Amps			Break-Down Torque:	5.6 N-M		
Line-line Res. @ 25°C.:	1.06 Ohms A Ph / 3.13 Ohms B Ph			Pull-Up Torque:	4.88 N-M		
Temp. Rise @ Rated Load:	63 C			Locked-Rotor Torque:	6.3 N-M		
Temp. Rise @ S.F. Load:	77 C			Starting Current:	33.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	35.0	47.0	57.0	64.0	70.0	72.0	70.0
Efficiency:	41.9	58.2	64.8	67.9	68.9	67.9	68.9
Speed:	1783.0	1765.0	1750.0	1730.0	1710.0	1680.0	1710.0
Line Amperes:	5.6	6.0	6.6	7.4	8.2	9.6	8.2



Performance Graph at 115V, 60Hz, 0.37KW Typical performance - Not guaranteed values





CD0001



CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS