

BALDOR® • ***RELIANCE***

Product Information Packet

EL3405

.33HP,3450RPM,1PH,60HZ,48,3420LC,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3420LC	Elec. Spec:	34WGY788	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G374	Layout:	34LYG374
Frame:	48	Mounting:	F1	Poles:	02	Created Date:	11-06-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-25-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2116L	
CAT.NO.	EL3405
SPEC.	34G374Y788G1
HP	.33
VOLTS	115/208-230
AMP	3.2/1.7-1.6
RPM	3450
FRAME	48
	HZ 60
	PH 1
SER.F.	1.35
	CODE L
	DES N
	CL F
NEMA-NOM-EFF	72
	PF 96
RATING	40C AMB-CONT
CC	USABLE AT 208V
DE	6203
	ODE 6203
ENCL	TEFC
	SN
	SFA 4/2.2-2

Parts List		
Part Number	Description	Quantity
SA177142	SA 34G374Y788G1	1.000 EA
RA165194	RA 34G374Y788G1	1.000 EA
OC3012F12SP	CYL OIL CAP 12MFD/370V	1.000 EA
EC1088A01	ELEC CAP, 88-106 MFD, 125V, 1.48D X 2.	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
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	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
34FH4002A01SP	IEC FH NO GREASER PRIMED	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

Parts List (continued)		
Part Number	Description	Quantity
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5056A18	MODEL 34 TYPE LC STATIONARY SWITCH WITH	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.014 GA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 50675 - Typical performance - not guaranteed values

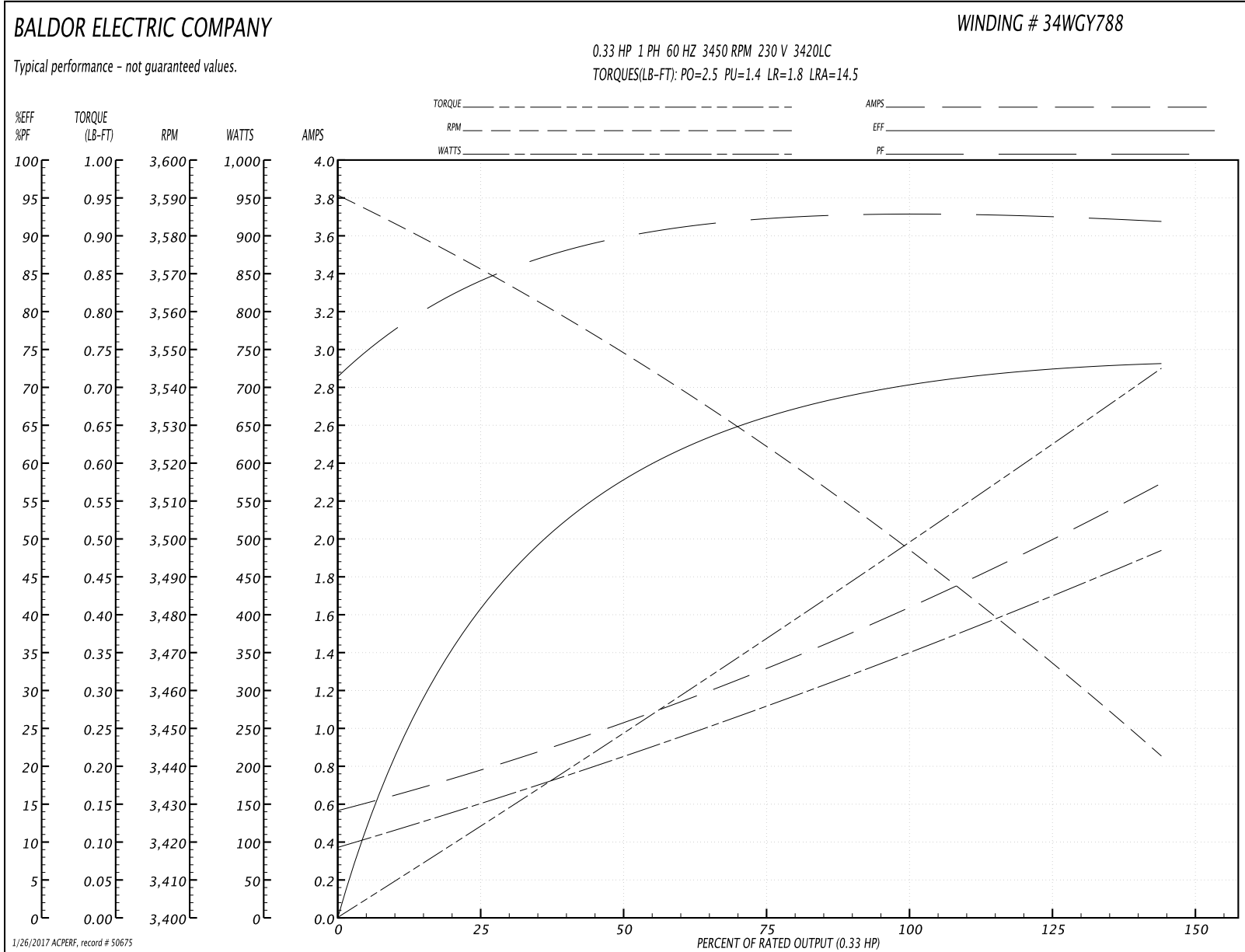
Winding: 34WGY788-R004	Type: 3420LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	0.489 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	3.2/1.7-1.6			Breakdown Torque	2.5 LB-FT
R.P.M.	3450			Pull-up Torque	1.4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.8 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	14.5 A
Service Factor (S.F.)	1.35			No-load Current	0.55 A
NEMA Nom. Eff.	72	Power Factor	96	Line-line Res. @ 25°C	4.32 Ω A Ph 6.27 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	33°C
S.F. Amps	4/2.2-2			Temp. Rise @ S.F. Load	39°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	83	88	93	94	93	91	92
Efficiency	41.1	57.6	66.3	70.3	72.5	73	72.7
Speed	3566	3544	3527	3502	3474	3439	3460
Line amperes	0.798	1.06	1.31	1.6	1.94	2.31	2.09

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values



CD0055



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
990000		FILE: AAA00007414	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS

CD0055