

BALDOR® • RELIANCE 

Product Information Packet

L3405

.33HP,3450RPM,1PH,60HZ,48,3413L,TEFC,F1

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0183	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34C051	Layout:	34LYC051	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	02-22-2018	Leads:	6#18		

Specs			
Catalog Number:	L3405	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	B
Frame:	48	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	.330 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3413L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	68
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	6.000 A @ 115.0 V	Shaft Ground Indicator:	No Shaft Grounding
	3.700 A @ 208.0 V	Shaft Rotation:	Reversible
	3.200 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	3.000 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	N	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	NONE (OLD)
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	L3405									
SPEC.	34C51-183									
HP	.33									
VOLTS	115/208-230									
AMP	6/3.2-3									
RPM	3450									
FRAME	48				HZ	60			PH	1
SER.F.	1.35		CODE	K	DES	N		CLASS	B	
NEMA-NOM-EFF	55		PF	68						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	3.7	
DE	6203				ODE	6203				
ENCL	TEFC		SN							
	SFA 7/3.7-3.5									

Parts List		
Part Number	Description	Quantity
SA008571	SA 34C51-183	1.000 EA
RA005018	RA 34C51-183	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	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 PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

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

AC Induction Motor Performance Data

Record # 50672 - Typical performance - not guaranteed values

Winding: 34WG0183-R001	Type: 3413L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	0.5 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	6/3.2-3			Breakdown Torque	1.3 LB-FT
R.P.M.	3450			Pull-up Torque	1.1 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.6 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	14 A
Service Factor (S.F.)	1.35			No-load Current	2.4 A
NEMA Nom. Eff.	55	Power Factor	68	Line-line Res. @ 25°C	7.12 Ω A Ph 5.47 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	7/3.7-3.5			Temp. Rise @ S.F. Load	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	47	56	66	70	75	72
Efficiency	36.3	46.9	53.8	58.8	59.8	59.7	60.2
Speed	3556	3535	3508	3465	3439	3393	3429
Line amperes	2.4	2.5	2.6	2.9	3.2	3.5	3.4

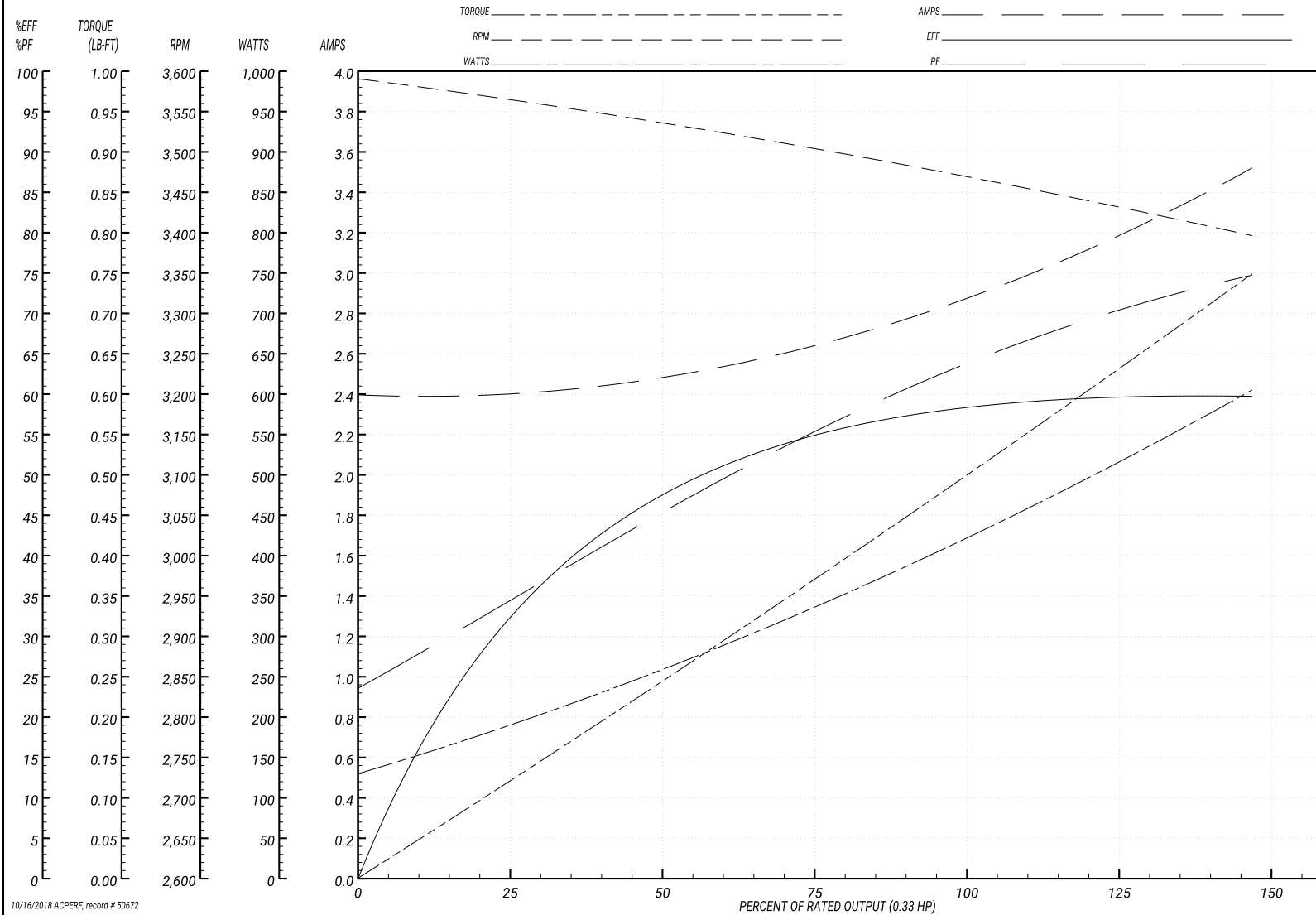
Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values

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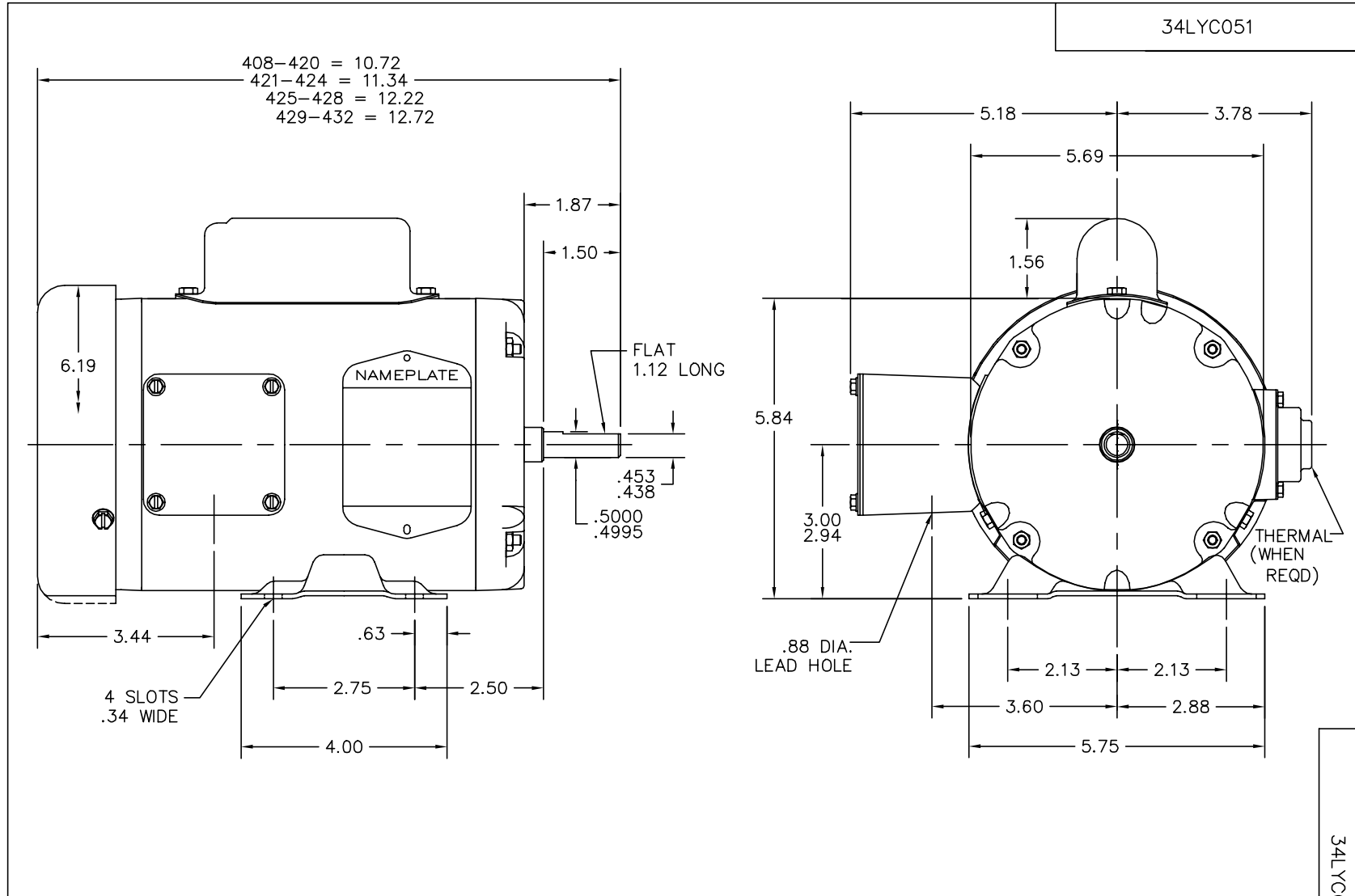
WINDING # 34WG0183

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3413L
 TORQUES(LB-FT): PO=1.3 PU=1.1 LR=1.6 LRA=14



10/16/2018 ACPERF, record # 50672



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

REV. DESC: UPDATE OVERALL LENGTHS			
REV. LTR: L	VERSION: 04	TDR: 000000767401	
FILE: \AAA\00025\908		REVISED: 09:00:29 10/02/2012	
MTL: -		BY: ENBUCFO	

BALDOR

STD HORZ MODEL 34L NEMA 48 TEFC

SH 1 of 1

34LYC051

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

CD0001