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BALDOR • RELIANCE

Product Information Packet

L3403

.25HP,1725RPM,1PH,60HZ,48,3411L,TEFC,F1

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Part Detail

Revision:	AL	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	34WG5506	**CD Diagram:**	CD0001	**Mfg Plant:**	
Mech. Spec:	34C051	**Layout:**	34LYC051	**Poles:**	04	**Created Date:**	
Base:	RG	**Eff. Date:**	02-22-2018	**Leads:**	6#18		

Specs

Catalog Number:	L3403	**Insulation Class:**	B
Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	48	**KVA Code:**	L
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	.250 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	6 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	115.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3411L
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	57
	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	**RoHS Status:**	ROHS COMPLIANT
Current @ Voltage:	2.500 A @ 230.0 V	**Shaft Extension Location:**	Pulley End

	3.000 A @ 208.0 V
	5.000 A @ 115.0 V
Design Code:	N
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L3403							
SPEC.	34C51-5506							
HP	.25							
VOLTS	115/230							
AMP	5/2.5							
RPM	1725							
FRAME	48	**HZ**	60			**PH**	1	
SER.F.	1.35	**CODE**	L	**DES**	N	**CLASS**	B	
NEMA-NOM-EFF	55	**PF**	57					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**	3			
DE	6203	**ODE**	6203					
ENCL	TEFC	**SN**						
	SFA 5.6/2.8							

Parts List

Part Number	Description	Quantity
SA008575	SA 34C51-5506	1.000 EA
RA005022	RA 34C51-5506	1.000 EA
EC1161A02	BMI 091A161B125AD2A ELEC CAP 115V 1.4 X	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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

Accessories

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

AC Induction Motor Performance Data

Record # 6772 - Typical performance - not guaranteed values

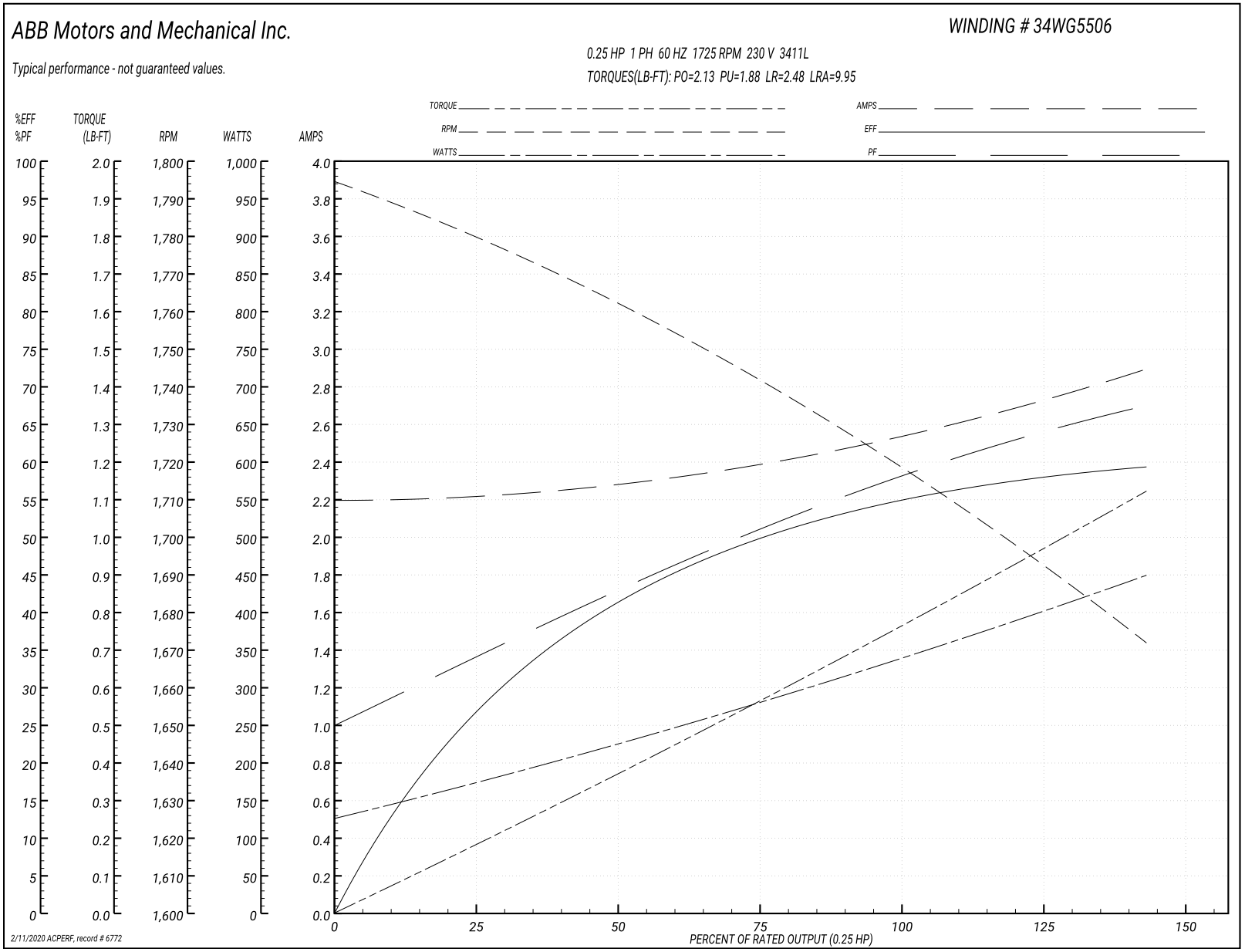
Winding: 34WG5506-R001	**Type:** 3411L	**Enclosure:** TEFC

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	0.75 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	5/2.5			Breakdown Torque	2.13 LB-FT
R.P.M.	1725			Pull-up Torque	1.88 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.48 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	9.95 A
Service Factor (S.F.)	1.35			No-load Current	2.2 A
NEMA Nom. Eff.	55	Power Factor	57	Line-line Res. @ 25ºC	8.88 Ω A Ph 7.06 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps	5.6/2.8			Temp. Rise @ S.F. Load	70°C

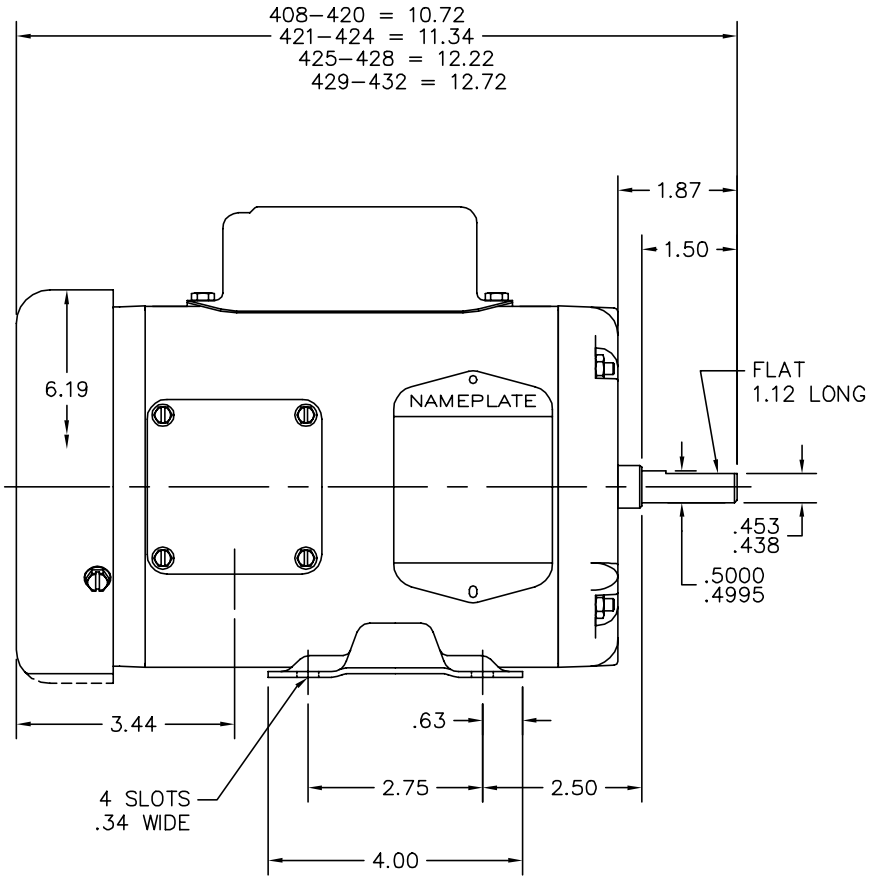
Load Characteristics 230 V, 60 Hz, 0.25 HP

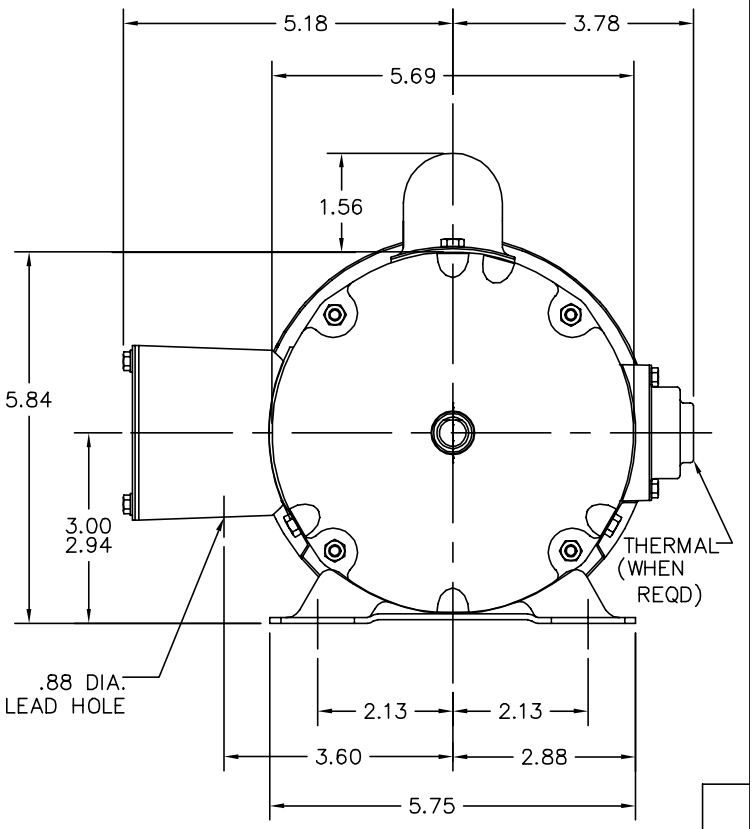
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	40	49	57	63	69	67
Efficiency	28	40	50	55	58	59	59
Speed	1779	1763	1740	1720	1700	1670	1680
Line amperes	2.2	2.3	2.4	2.5	2.7	2.9	2.8

Performance Graph at 230V, 60Hz, 0.25HP Typical performance - Not guaranteed values



34LYC051



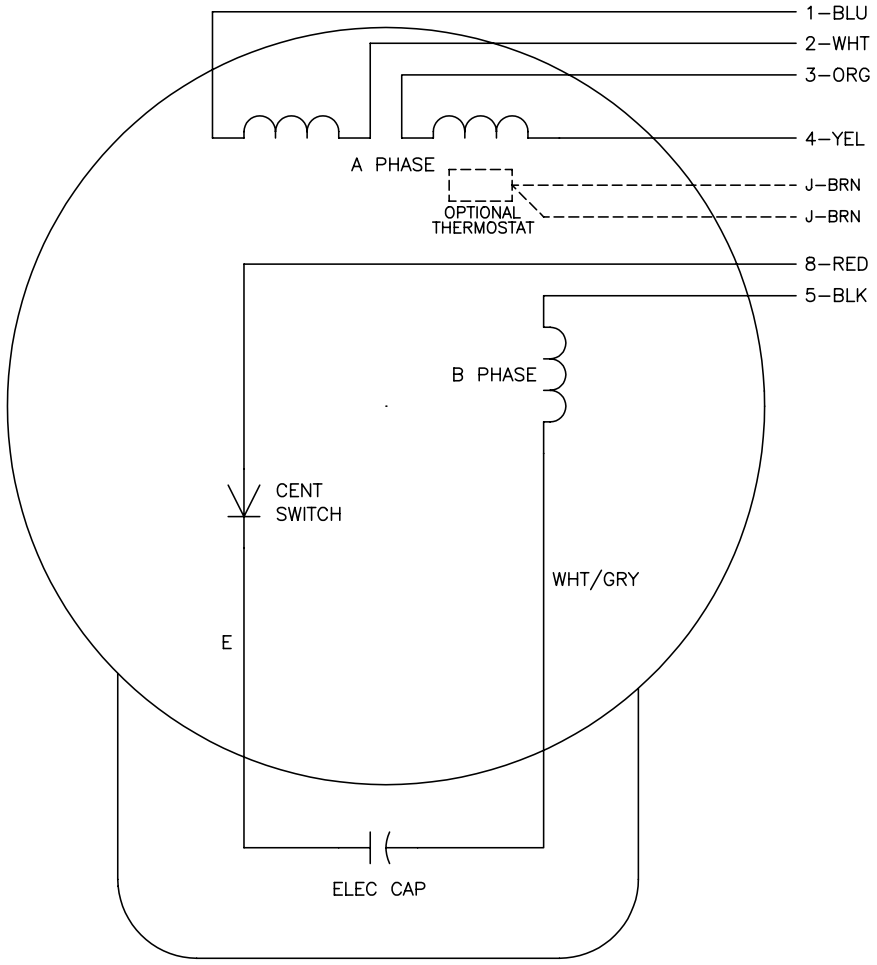


34LYC051

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

REV. DESC: UPDATE OVERALL LENGTHS			BALDOR
REV. LTR: L	VERSION: 04	TDR: 000000767401	
FILE: \AAA\00025\908		REVISED: 09:00:29 10/02/2012	STD HORZ MODEL 34L NEMA 48 TEFC
MTL: –		BY: ENBUCF0	SH 1 of 1

CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS

CD0001

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