



Product Information Packet

L3406M

.33HP,1725RPM,1PH,60HZ,48,3414L,TEFC,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5598	CD Diagram:	CD0008	Mfg Plant:	
Mech. Spec:	34C051	Layout:	34LYC051	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	11-18-2020	Leads:	7#18		

Specs			
Catalog Number:	L3406M	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	48	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Cap Start, Induction Run	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	7 @ 18 AWG
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3414L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	60
	CSA	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:	3.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	3.600 A @ 208.0 V	Shaft Rotation:	Reversible
	6.000 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Manual Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SK
		Winding Thermal 2:	None

Nameplate NP1257L

CAT.NO.	L3406M									
SPEC.	34C51-5598									
HP	.33									
VOLTS	115/230									
AMP	6/3									
RPM	1725									
FRAME	48						HZ	60		
SER.F.	1.35						CODE	L		
							DES	N		
							CL	B		
NEMA-NOM-EFF	60						PF	60		
RATING	40C AMB-CONT									
CC							USABLE AT 208V		3.6	
DE	6203						ODE	6203		
ENCL	TEFC						SN			
	SFA 6.8/3.4									

AC Induction Motor Performance Data

Record # 6786

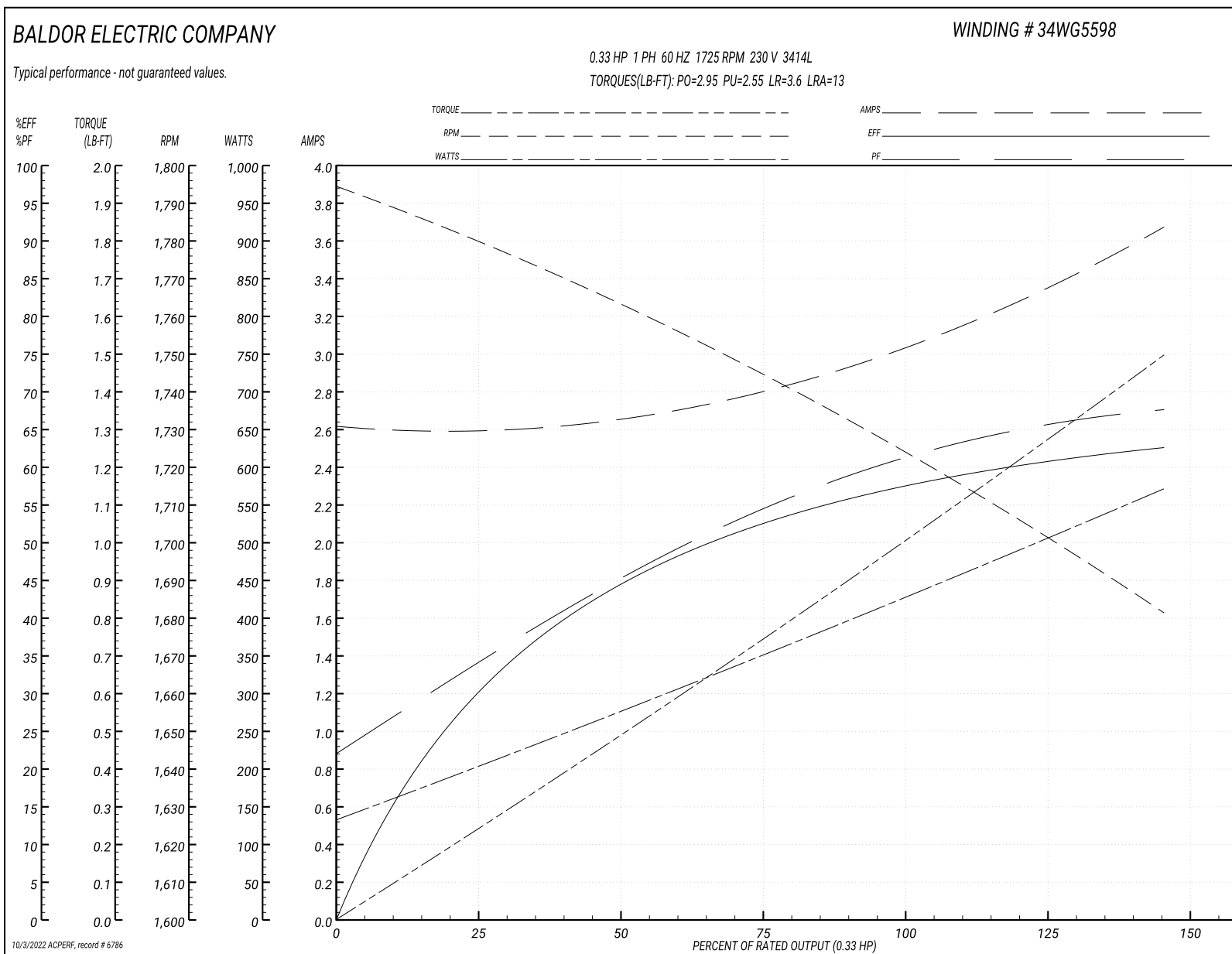
Typical performance - not guaranteed values

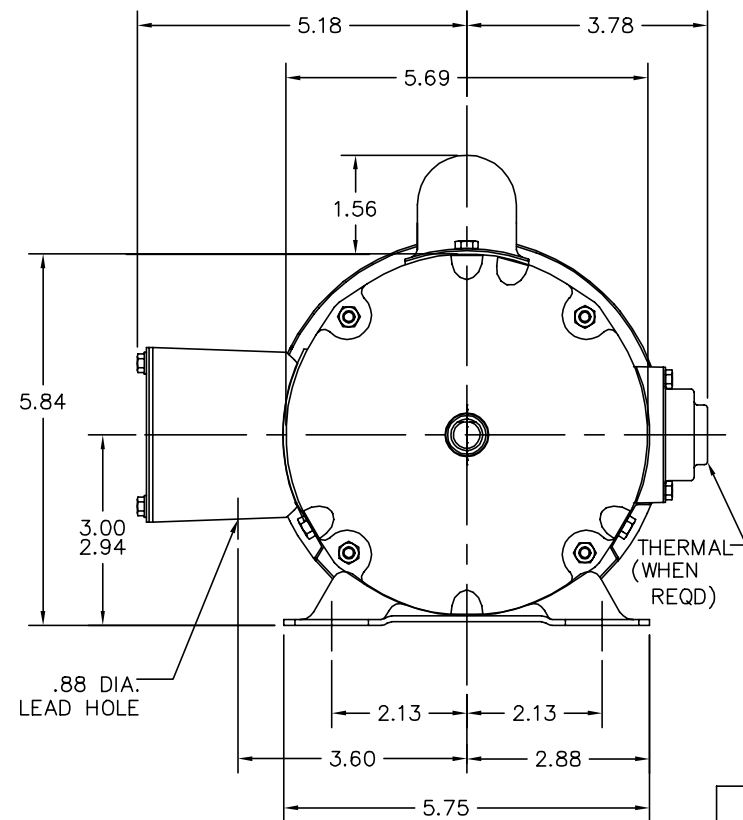
Winding: 34WG5598-R001			Type: 3414L	Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.33	Full Load Torque		1 LB-FT
Volts		115/230	Start Configuration		direct on line
Full Load Amps		6/3	Breakdown Torque		2.95 LB-FT
R.P.M.		1725	Pull-up Torque		2.55 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.6 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	13 A
Service Factor (S.F.)		1.35	No-load Current		2.6 A
NEMA Nom. Eff.	60	Power Factor	60	Line-line Res. @ 25°C	6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		59°C
S.F. Amps		6.8/3.4	Temp. Rise @ S.F. Load		73°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	60	67	73	71
Efficiency	33	41	52	60	61.5	61.5	61.5
Speed	1780	1760	1745	1725	1705	1680	1690
Line amperes	2.6	2.7	2.8	3	3.3	3.7	3.4

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





REV. DESC: UPDATE OVERALL LENGTHS

VERSION: 04

TDR: 000000767401

FILE: \AAA\00025\908

REVISED: 09:00:29 10/02/2012

MTL: —

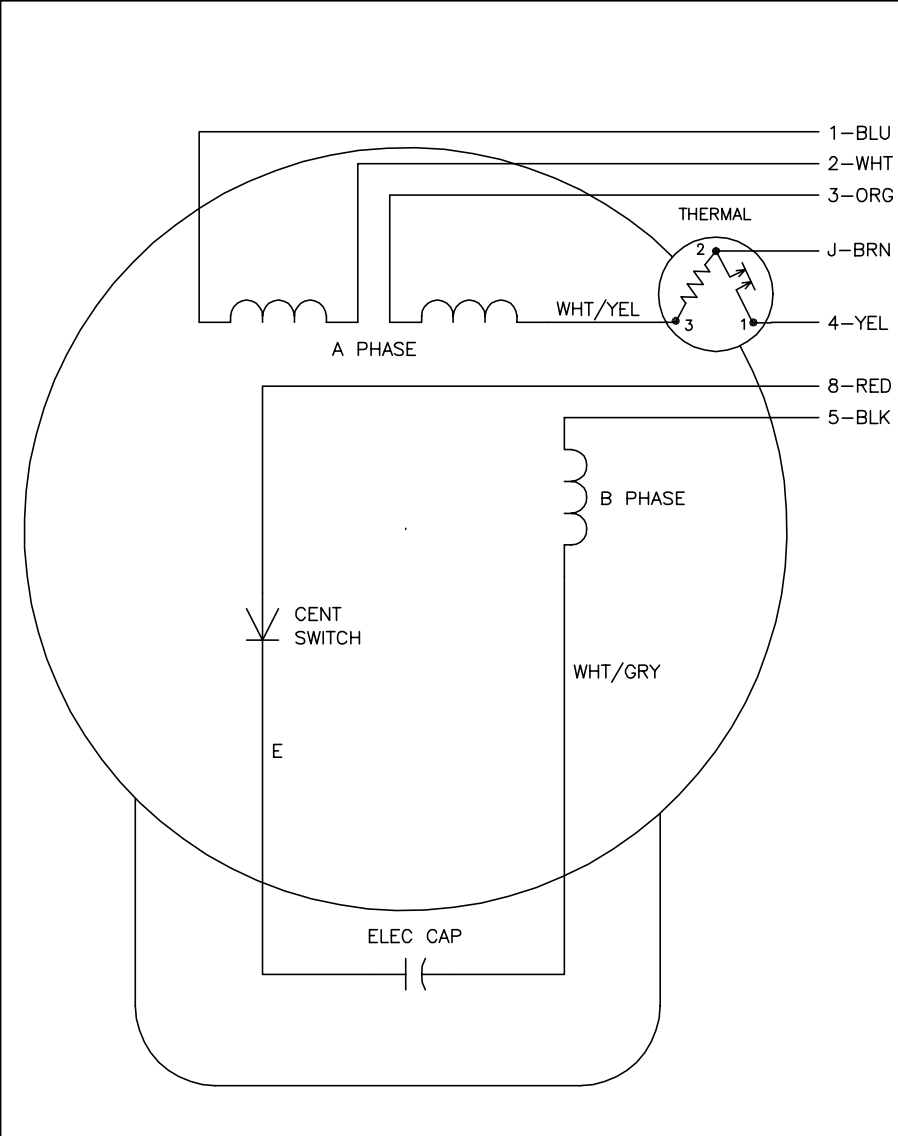
BY: ENBUCF0

STD HORZ MODEL 34L NEMA 48 TEFC

SH 1 of 1

34LYC051

CD0008



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

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

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008