



Product Information Packet

M3537-5

.5HP,3450RPM,3PH,60HZ,56,3410M,TEFC,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0487	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	34A061	Layout:	34LYA061	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	04-22-2021	Leads:	3#18		

Specs			
Catalog Number:	M3537-5	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	J
Frame:	56	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Motor Letter Type:	Three Phase	Motor Lead Quantity/Wire Size:	3 @ 18 AWG
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Exit:	Ko Box
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Type:	3410M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	63
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	.800 A @ 575.0 V	Shaft Rotation:	Reversible

Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	M3537-5										
SPEC.	34A61-487										
HP	.5										
VOLTS	575										
AMP	.8										
RPM	3450										
FRAME	56				HZ	60				PH	3
SER.F.	1.25			CODE	J	DES	B		CLASS	B	
NEMA-NOM-EFF	68			PF	63						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6203			ODE	6203						
ENCL	TEFC			SN							
	SFA 1										

AC Induction Motor Performance Data

Record # 6584

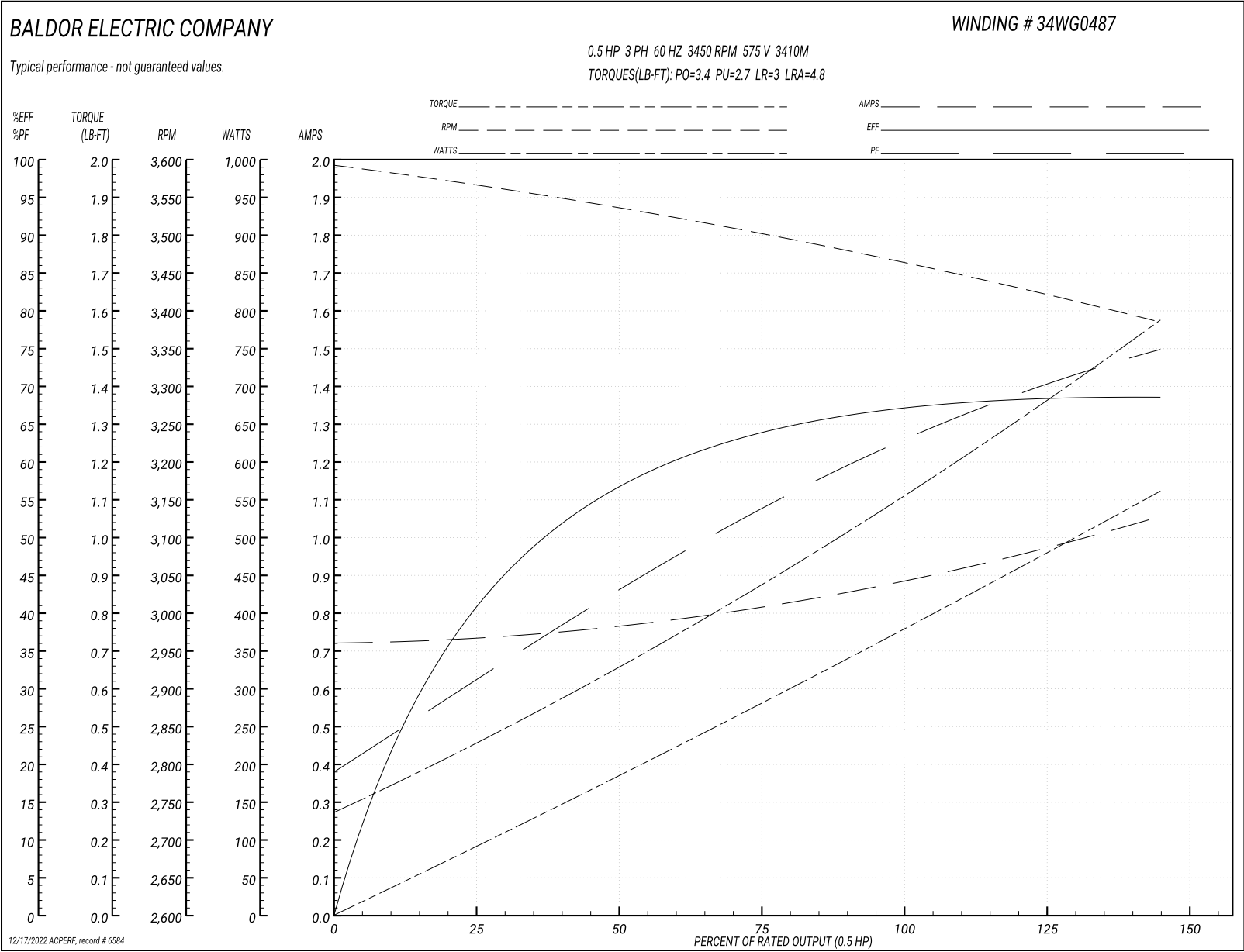
Typical performance - not guaranteed values

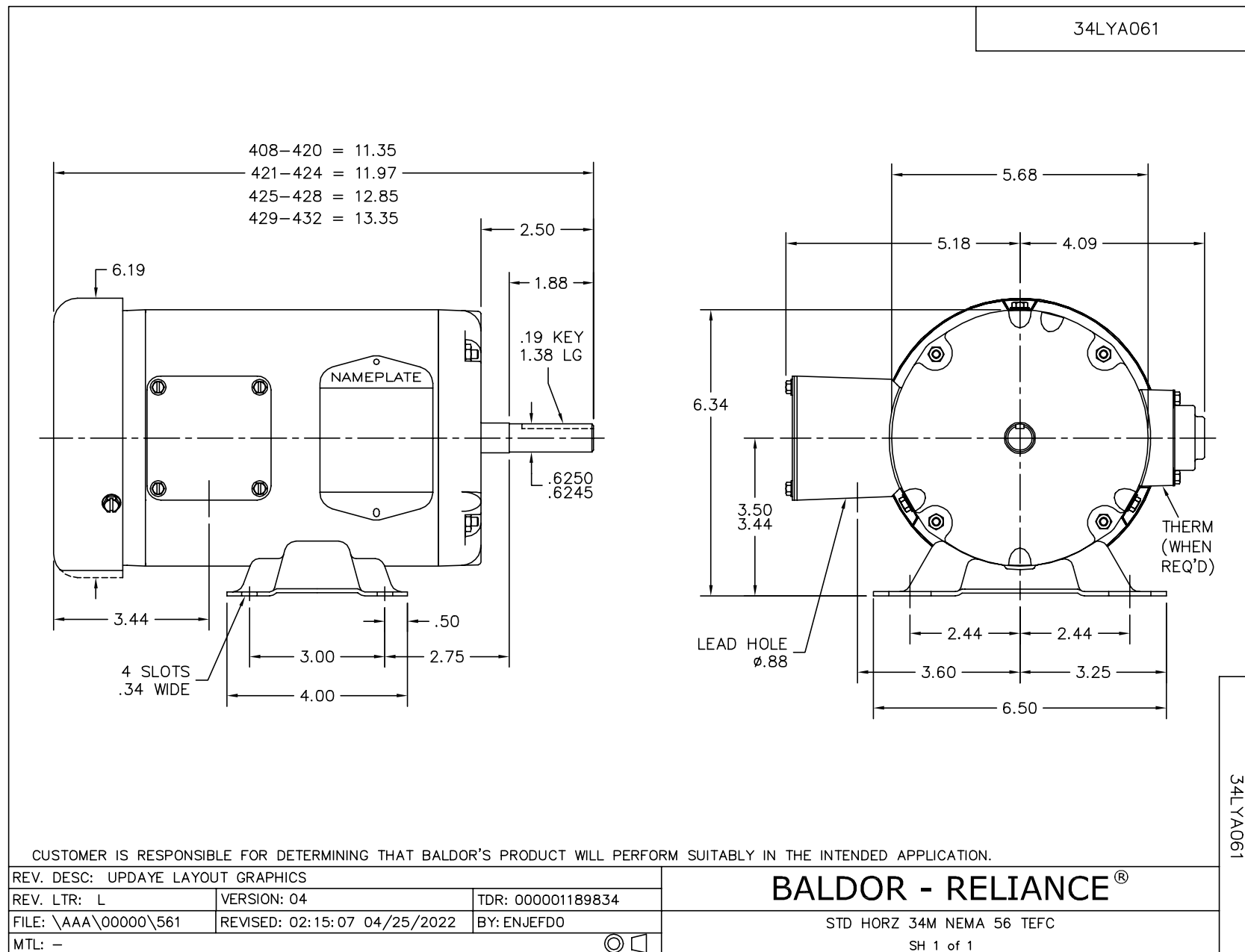
Winding: 34WG0487-R001			Type: 3410M	Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		.5	Full Load Torque		0.75 LB-FT
Volts		575	Start Configuration		direct on line
Full Load Amps		.8	Breakdown Torque		3.4 LB-FT
R.P.M.		3450	Pull-up Torque		2.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	4.8 A
Service Factor (S.F.)		1.25	No-load Current		0.72 A
NEMA Nom. Eff.	68	Power Factor	63	Line-line Res. @ 25°C	56.4 Ω
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load	58°C
S.F. Amps		1	Temp. Rise @ S.F. Load		69°C

Load Characteristics 575 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	44	56	64	70	77	70
Efficiency	41.4	56.3	64	67.2	68.4	68.5	68.4
Speed	3563	3535	3501	3466	3432	3381	3432
Line amperes	0.73	0.78	0.81	0.88	0.96	1.06	0.96

Performance Graph at 575V, 60Hz, 0.5HP Typical performance - Not guaranteed values





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

3-ORG

2-WHT

J-BRN

J-BRN

OPTIONAL THERMOSTATS

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

2-WHT

3-ORG

J-BRN

J-BRN

OPTIONAL THERMOSTATS

1

2

3

LINE

NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.

2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.

4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1

CD0006

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