

ABB BALDOR RELIANCE III

Customer information packet

AOM3458

.33HP, 1725RPM, 3PH, 60HZ, 48, 3410M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.000 A @ 460.0 V 1.900 A @ 208.0 V 2.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.0 a

Part Detail

Revision	X
Type	AC
Mech. spec.	34K099
Base	
Status	PRD/A
Elec. spec.	34WGW137
Layout	34LYK099
Eff. date	03-12-2026
CD Diagram	CD0005
Poles	04
Leads	9#18 LEADS 36" LG Y
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3410M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.63 IN
Power Factor	53
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
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.	AOM3458								
SPEC.	34K99W137								
HP	.33 AIR OVER								
VOLTS	230/460								
AMP	2/1								
RPM	1725								
FRAME	48		HZ	60			PH	3	
SER.F.	1.00		CODE	M	DES	B	CLASS	F	
NEMA-NOM-EFF	68		PF	53					
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEAO		SN						
	800 FPM AT 44 CFM								

Parts List

Part number	Description	Quantity
SA008238	SA 34K99W137	1.000 ea
RA004685	RA 34K99W137	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
34EP3100A03SP	FR ENDPLATE, MACH	1.000 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
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
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
34PA1002	PKG GRP, PRINT PK1001A01	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

Accessories

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

AC Induction Motor Performance Data

Record # 6892

Typical performance - not guaranteed values

Winding: 34WGW137-R001			Type: 3410M		Enclosure: TEAO	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.33 AIR OVER	Full Load Torque		1 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		2/1	Breakdown Torque		4.5 LB-FT	
R.P.M.		1725	Pull-up Torque		3.2 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		3.5 LB-FT	
NEMA Design Code		B	KVA Code		M	
Service Factor (S.F.)		1	Starting Current		4.5 A	
NEMA Nom. Eff.		68	Power Factor		53	
Rating - Duty		40C AMB-CONT	Line-line Res. @ 25°C		51.6 Ω	
			Temp. Rise @ Rated Load		60°C	
			Locked-rotor Power Factor		71.9	
			Rotor inertia		0.0238 lb-ft²	

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	26	35	43	50	57	64
Efficiency	32	48	57	62	65	66
Speed	1780	1765	1750	1733	1714	1694
Line amperes	0.91	0.92	0.95	0.98	1.03	1.09

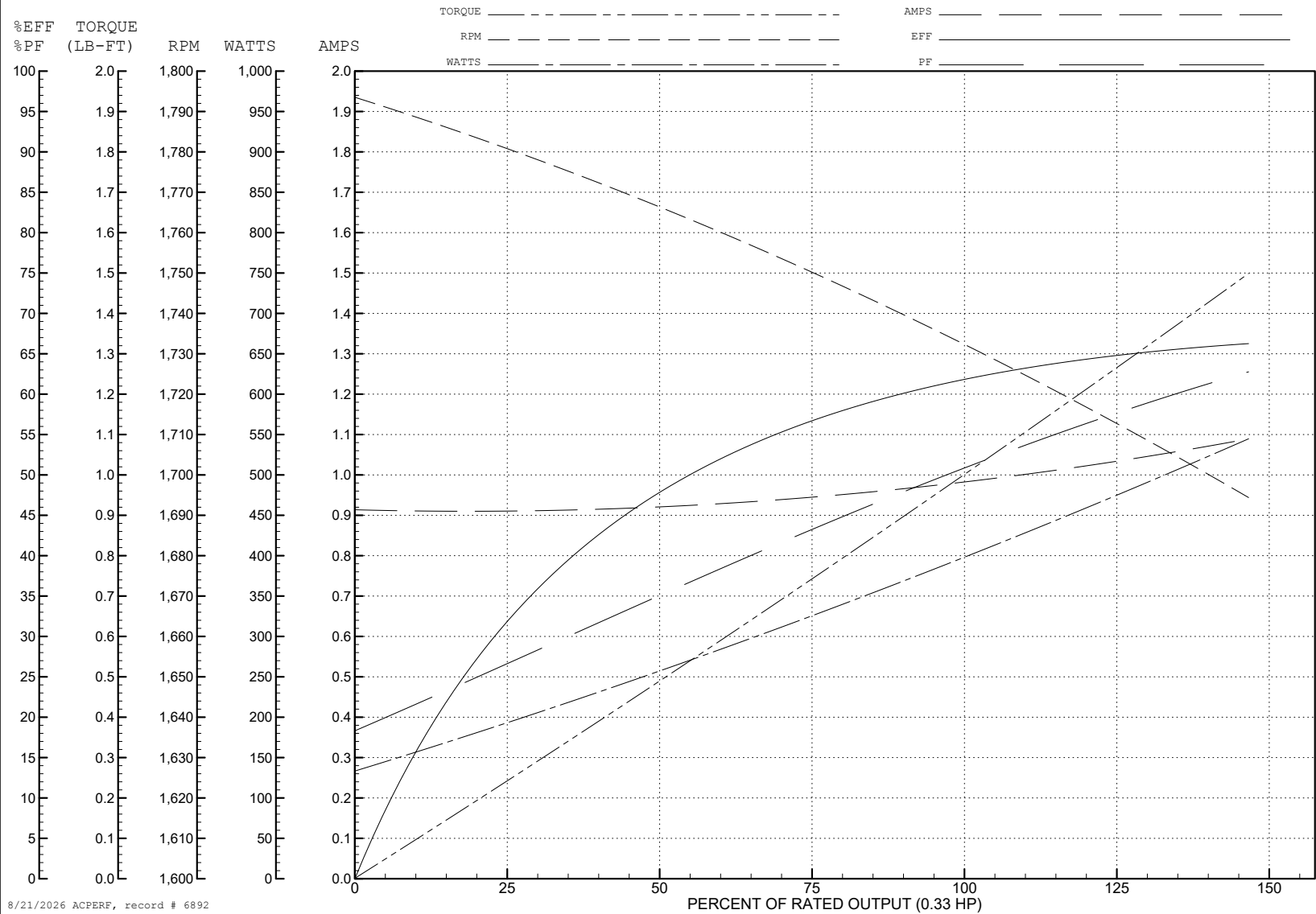
ABB Motors and Mechanical Inc.

WINDING # 34WGW137

Typical performance - not guaranteed values.

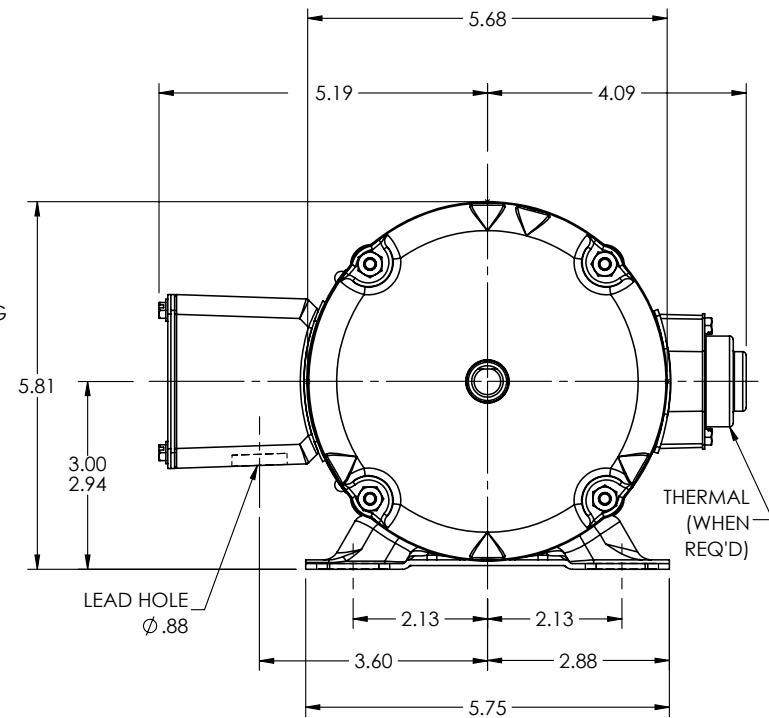
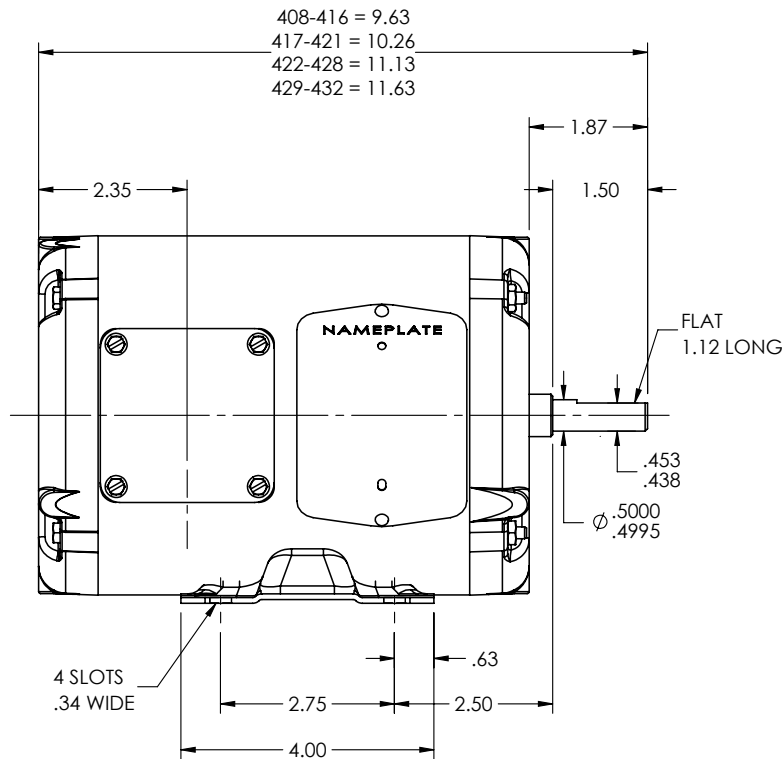
0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3410M

TORQUES (LB-FT) : PO=4.5 PU=3.2 LR=3.5 LRA=4.5



8/21/2026 ACPERF, record # 6892

34LYK099



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV F

REV: G

VERSION: 02

REVISED: 11:36:30 01/03/2023

TDR: 000001201165

34LYK099

MODEL NO. 34LYK099

BY: ENFRAJ0

REF: -

BALDOR - RELIANCE®

STD HORZ MODEL 34M NEMA 48 TEAO

34LYK099

