ABB BALDOR RELIANCE

Customer information packet

AOM3458

.33HP, 1725RPM, 3PH, 60HZ, 48, 3410M, TEAO, F1
Class - None
Division - Not Applicable

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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										

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	**Starting Current**	4.5 A
Service Factor (S.F.)			1	**No-load Current**	0.914 A
NEMA Nom. Eff.	68	**Power Factor**	53	**Line-line Res. @ 25ºC**	51.6 Ω
Rating - Duty			40C AMB-CONT	**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

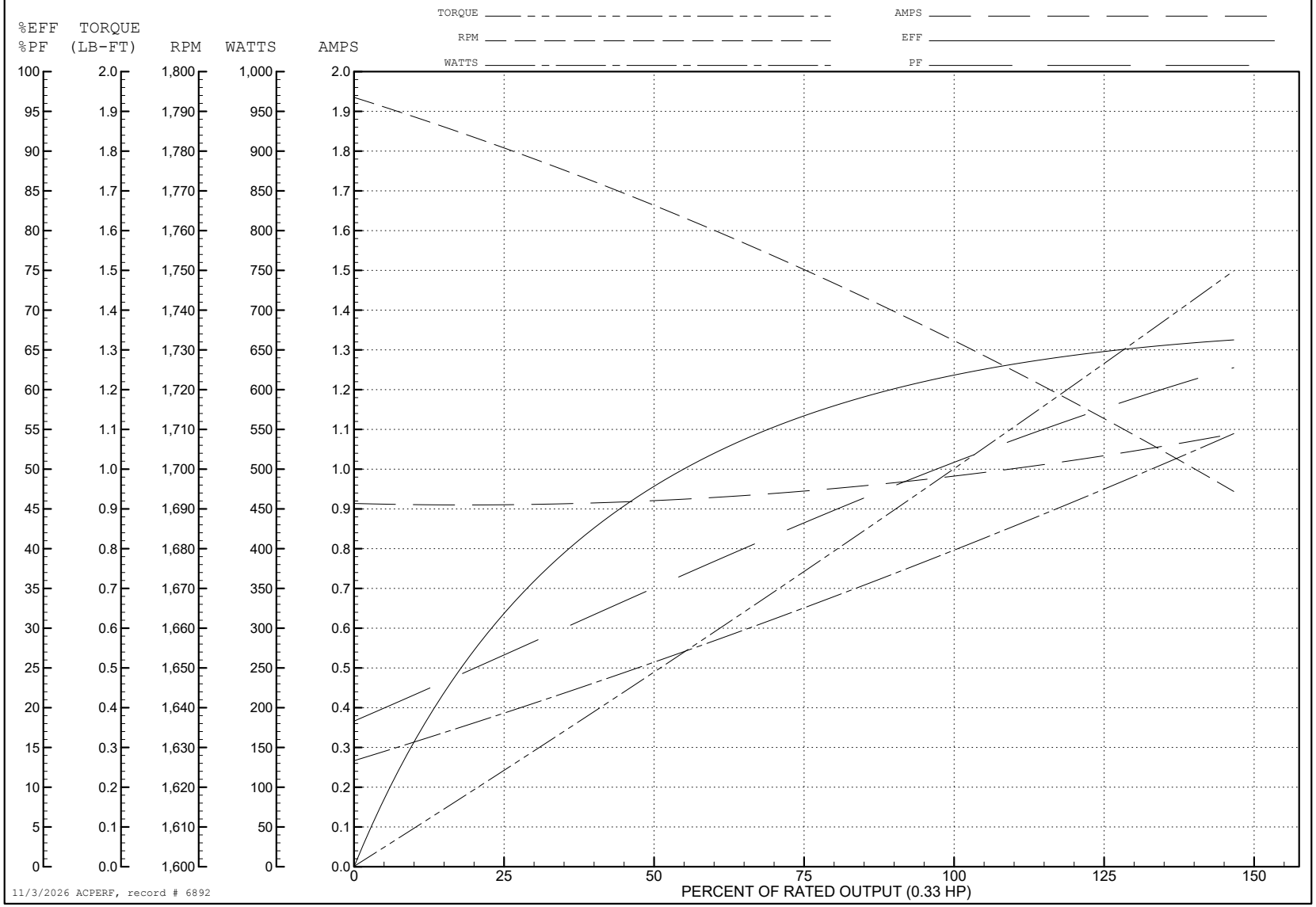
ABB Motors and Mechanical Inc.

WINDING # 34WGW137

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

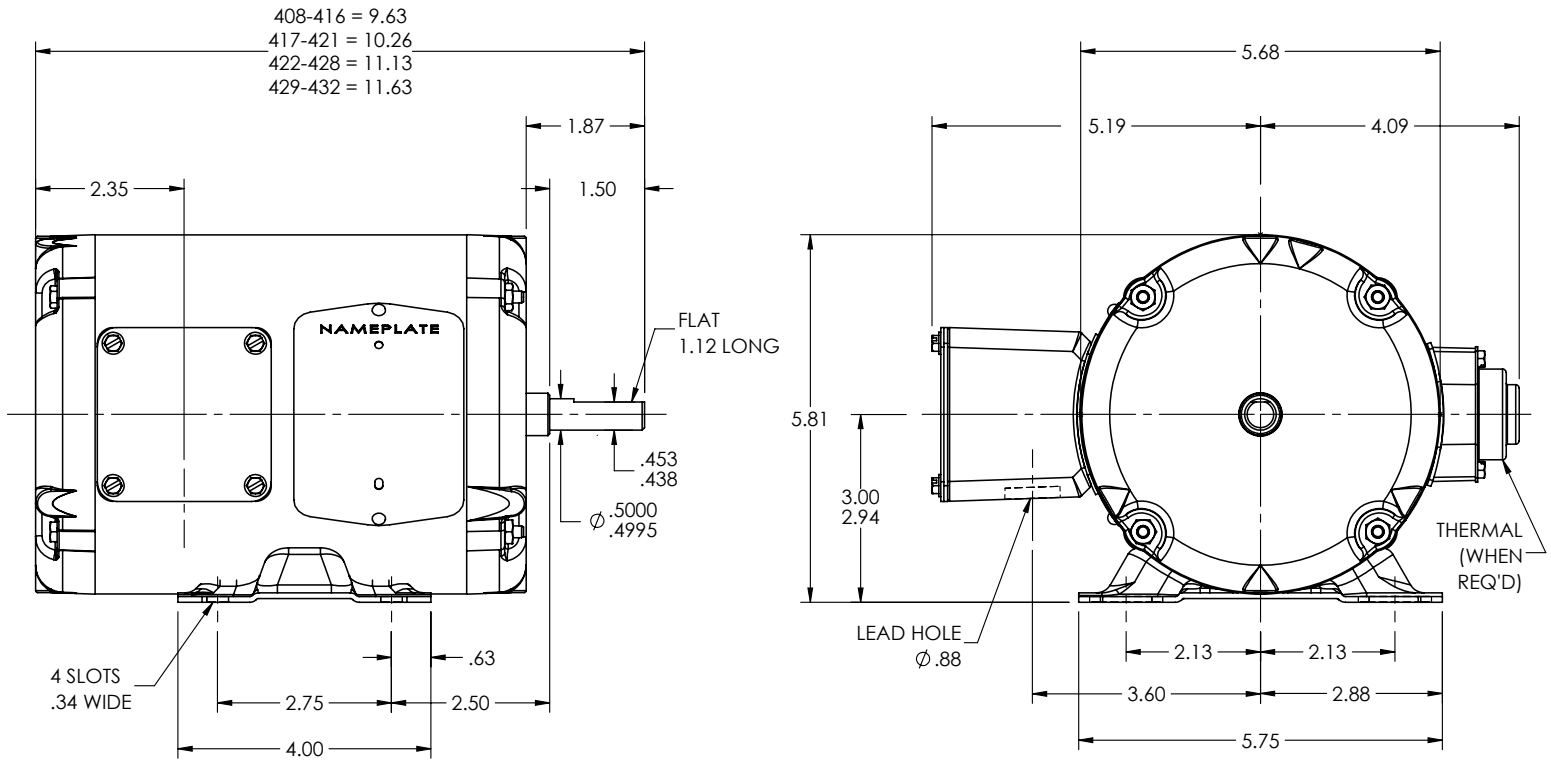
Typical performance - not guaranteed values.

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



11/3/2026 ACPERF, record # 6892

34LYK099

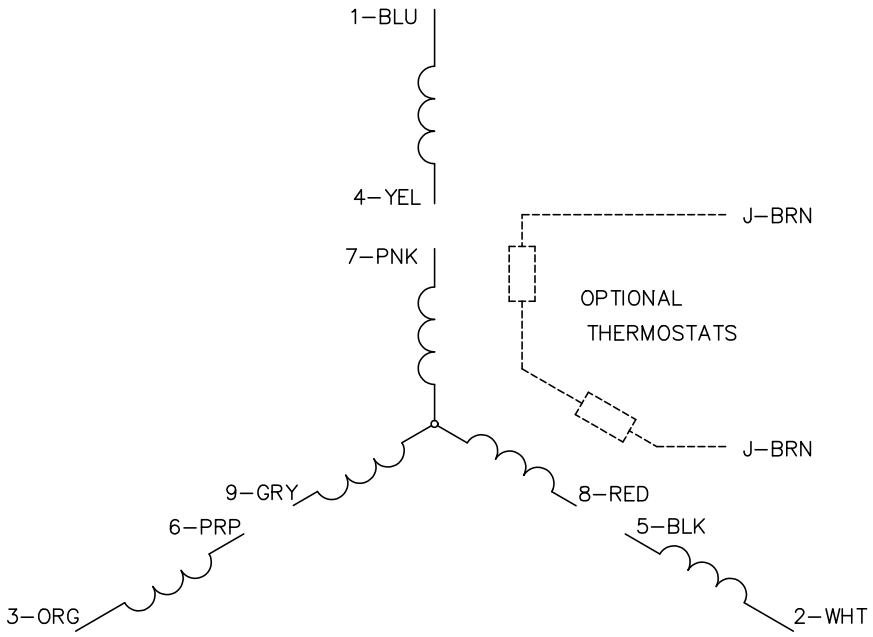


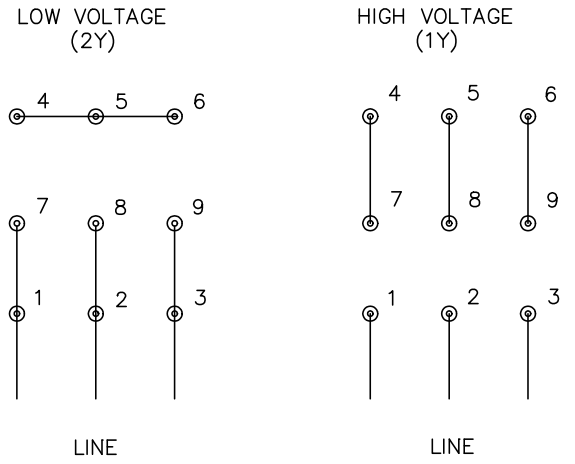
34LYK099

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

REV. DESC: LOAD TO SOLIDWORKS - REV F			BALDOR - RELIANCE®
REV: G	VERSION: 02	REVISED: 11:36:30 01/03/2023	TDR: 000001201165
34LYK099	MODEL NO. 34LYK099		REF: -
	BY: ENFRAJ0		STD HORZ MODEL 34M NEMA 48 TEAO

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS