ABB BALDOR RELIANCE

Customer information packet

AFM3528

.75HP, 3450RPM, 3PH, 60HZ, 56Z, 3413M, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	56Z
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	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	1.300 A @ 460.0 V
	2.600 A @ 230.0 V
	3.100 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AQ
Type	AC
Mech. spec.	34K062
Base	
Status	PRD/A
Elec. spec.	34WG0255
Layout	34LYK062
Eff. date	09-17-2025
CD Diagram	CD0005
Poles	02
Leads	9#18 14" LG +/-.5" Y
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	1.3 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Lead Hole
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	10.97 IN
Power Factor	73
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1279L											
CAT.NO.	AFM3528										
SPEC.	34K62-255										
HP	.75										
VOLTS	230/460										
AMP	2.6/1.3										
RPM	3450										
FRAME	56Z	**HZ**	60		**PH**	3					
SER.F.	1.25	**CODE**	K	**DES**	B	**CL**	B				
NEMA-NOM-EFF	74	**PF**	73								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	TEAO	**SN**									
	SFA 3/1.5										

AC Induction Motor Performance Data
Record # 6564
Typical performance - not guaranteed values

Winding: 34WG0255-R001	**Type:** 3413M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	1.2 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			2.6/1.3	**Breakdown Torque**	4.8 LB-FT
R.P.M.			3450	**Pull-up Torque**	3.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	3.9 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	7.6 A
Service Factor (S.F.)			1.25	**No-load Current**	0.85 A
NEMA Nom. Eff.	74	**Power Factor**	73	**Line-line Res. @ 25ºC**	24.6 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps			3/1.5	**Temp. Rise @ S.F. Load**	84°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	58	67	78	82	84	82
Efficiency	57.7	70.6	73.6	75.1	74.7	74	74.7
Speed	3553	3518	3481	3440	3395	3344	3395
Line amperes	0.95	1.02	1.12	1.33	1.5	1.62	1.5

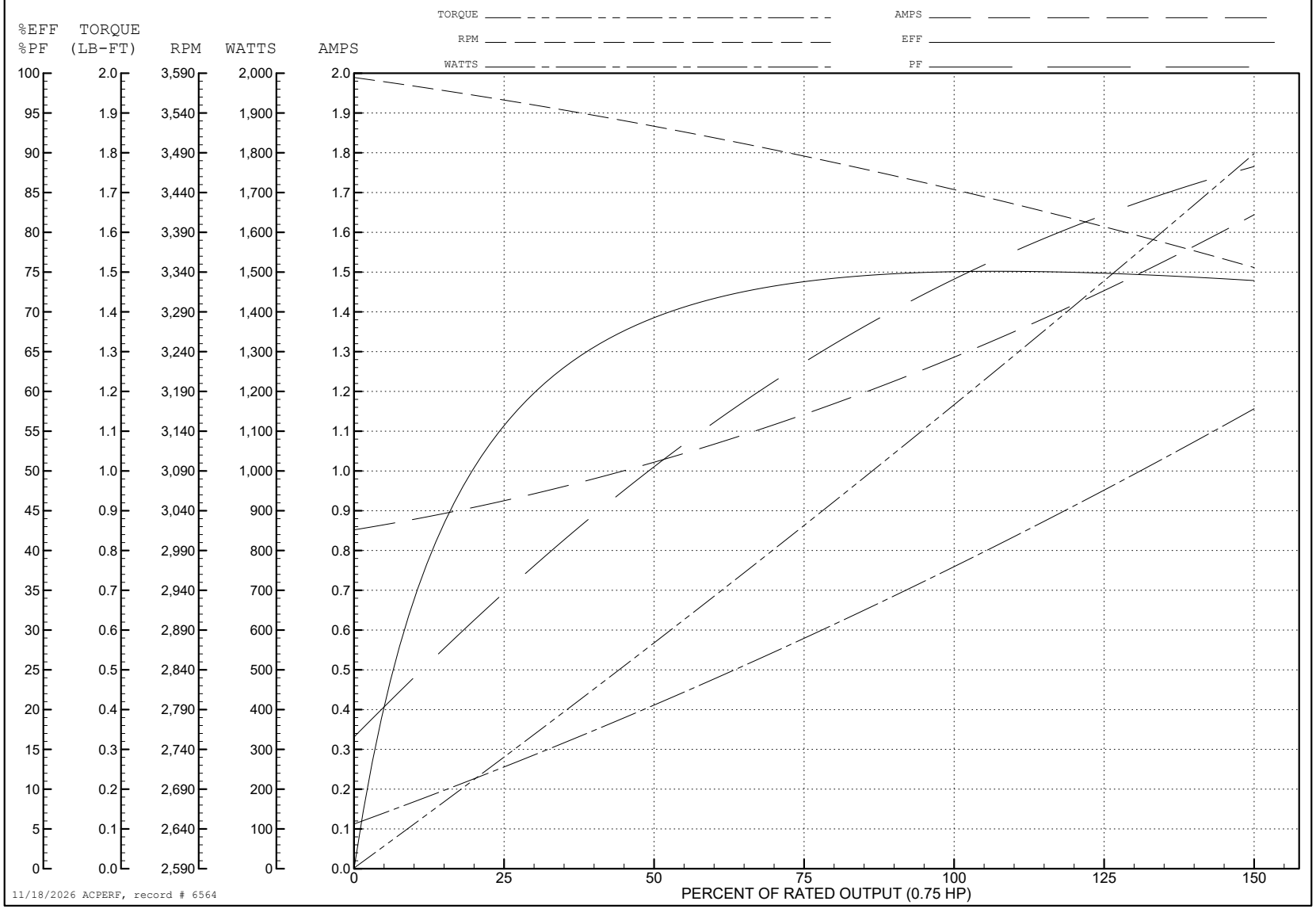
ABB Motors and Mechanical Inc.

WINDING # 34WG0255

Typical performance - not guaranteed values.

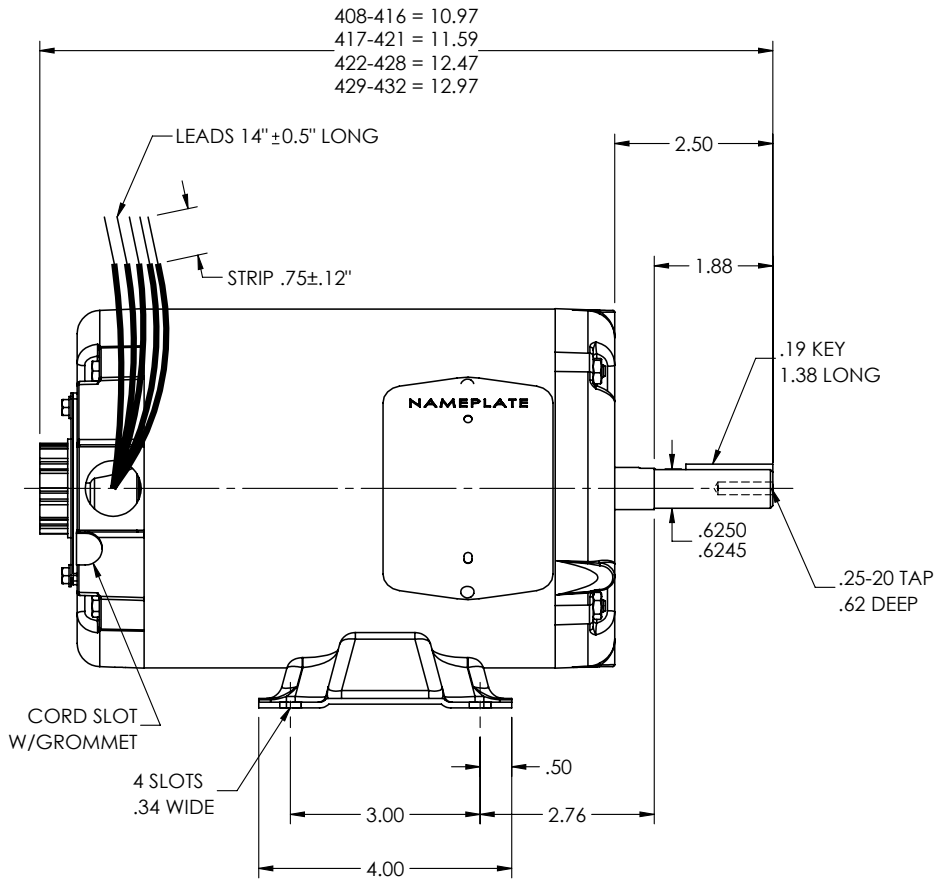
0.75 HP 3 PH 60 HZ 3450 RPM 460 V 3413M

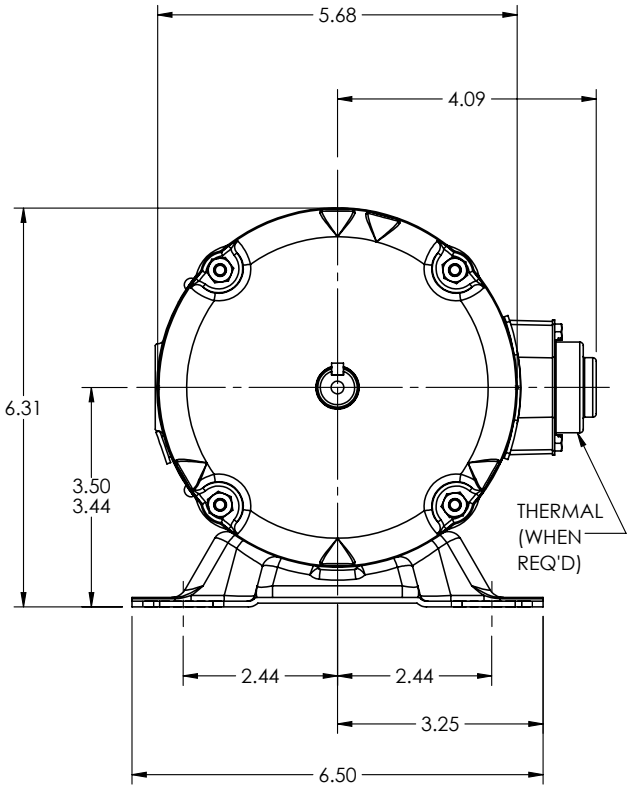
TORQUES(LB-FT): PO=4.8 PU=3.5 LR=3.9 LRA=7.6



11/18/2026 ACPERF, record # 6564

34LYK062





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

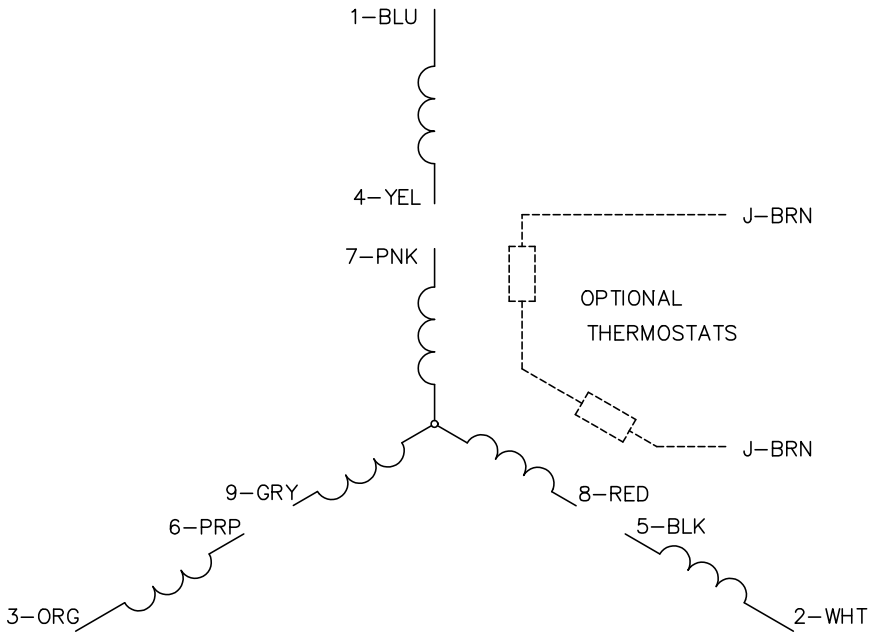
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REV: K	VERSION: 02	REVISED: 09:26:24 01/06/2023	TDR: 000001201165
34LYK062	MODEL NO. 34LYK062		REF: -
	BY: ENFRAJ0		

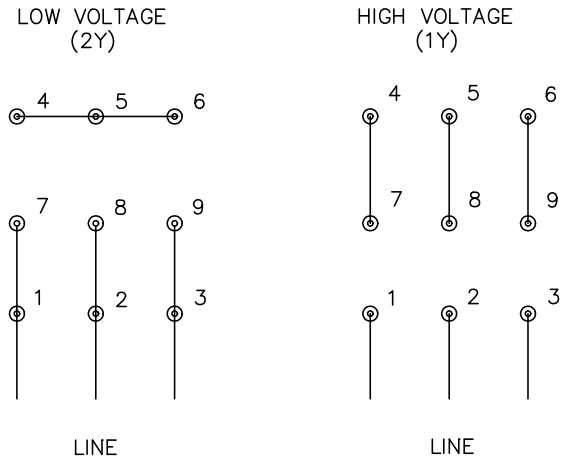
BALDOR - RELIANCE®

HORZ MODEL 34M NEMA 56Z TENV W/TERM PANEL & .25-20 TAP

34LYK062

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