ABB BALDOR RELIANCE

Customer information packet

JM3457

.33HP, 3450RPM, 3PH, 60HZ, 56J, 3410M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56J
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	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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.400 A @ 208.0 V
	1.600 A @ 230.0 V
	.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	62.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	U
Type	AC
Mech. spec.	34K036
Base	
Status	PRD/A
Elec. spec.	34WG5464
Layout	34LYK036
Eff. date	10-28-2024
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	0.8 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	P
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	2
Overall Length	11.84 IN
Power Factor	61
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.75
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

NP1256L											
CAT.NO.	JM3457										
SPEC.	34K036-5464										
HP	.33										
VOLTS	230/460										
AMP	1.6/.8										
RPM	3450										
FRAME	56J		**HZ**	60			**PH**	3			
SER.F.	1.75	**CODE**	P	**DES**	B	**CLASS**		B			
NEMA-NOM-EFF	62	**PF**	61								
RATING	40C AMB-CONT										
CC											
DE	6203		**ODE**	6203							
ENCL	TEFC	**SN**									
	SFA 2.2/1.1										

Accessories

Part number	Description	Multiplier
34-171	C FACE KIT	A8

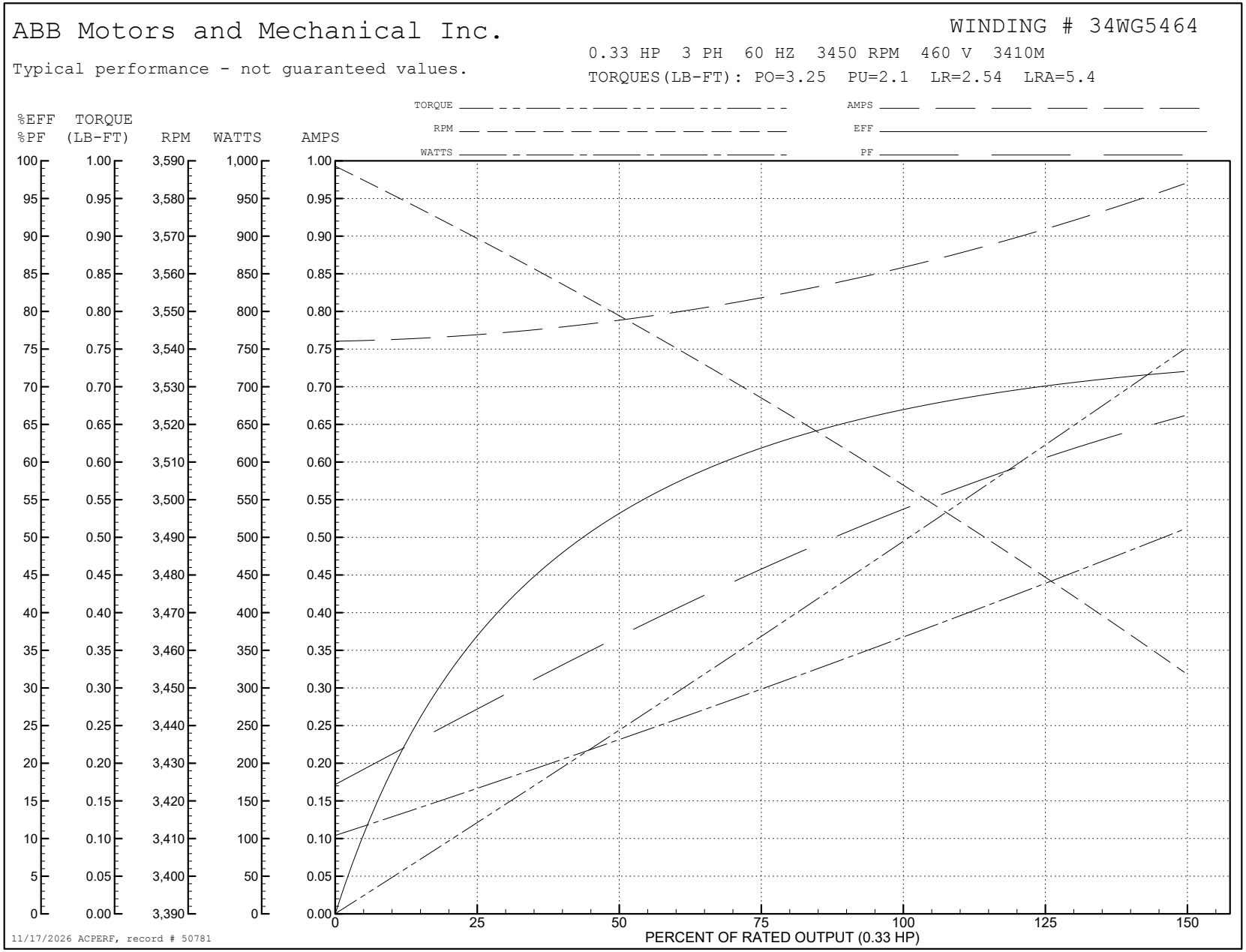
AC Induction Motor Performance Data
Record # 50781
Typical performance - not guaranteed values

Winding: 34WG5464-R001	**Type:** 3410M	**Enclosure:** TEFC

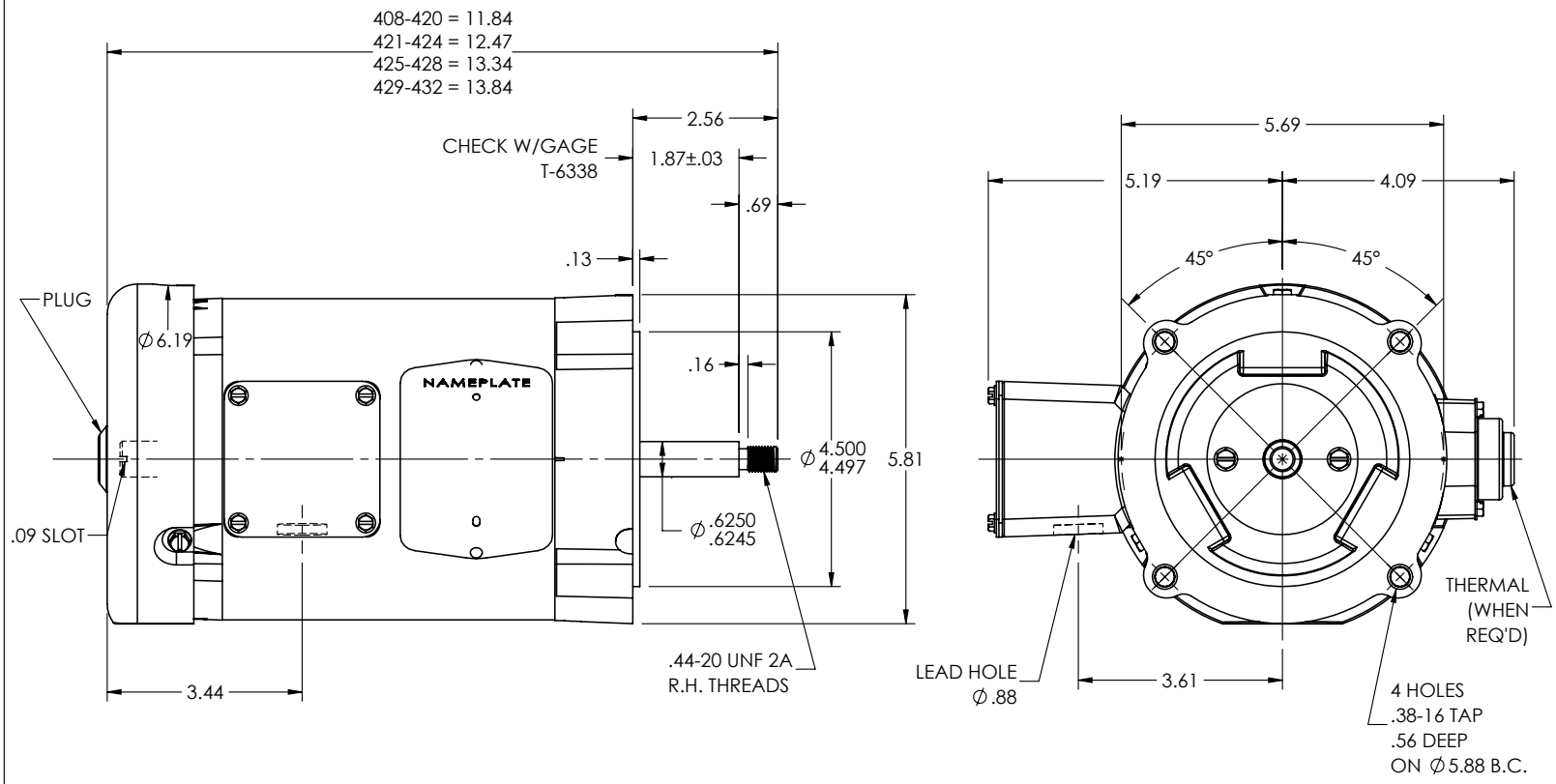
Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.33	**Full Load Torque**	0.5 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			1.6/.8	**Breakdown Torque**	3.25 LB-FT
R.P.M.			3450	**Pull-up Torque**	2.1 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	2.54 LB-FT
NEMA Design Code	B	**KVA Code**	P	**Starting Current**	5.4 A
Service Factor (S.F.)			1.75	**No-load Current**	0.76 A
NEMA Nom. Eff.	62	**Power Factor**	61	**Line-line Res. @ 25ºC**	38.5 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	
S.F. Amps			2.2/1.1	**Temp. Rise @ S.F. Load**	

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	36	45	53	60	66	74
Efficiency	37	54	62	67.5	70	72	75
Speed	3568	3548	3526	3503	3479	3454	3431
Line amperes	0.77	0.79	0.82	0.86	0.91	0.97	1.01


ABB Motors and Mechanical Inc.
WINDING # 34WG5464
0.33 HP 3 PH 60 HZ 3450 RPM 460 V 3410M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=3.25 PU=2.1 LR=2.54 LRA=5.4
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.33 HP)
11/17/2026 ACPERF, record # 50781

34LYK036



34LYK036

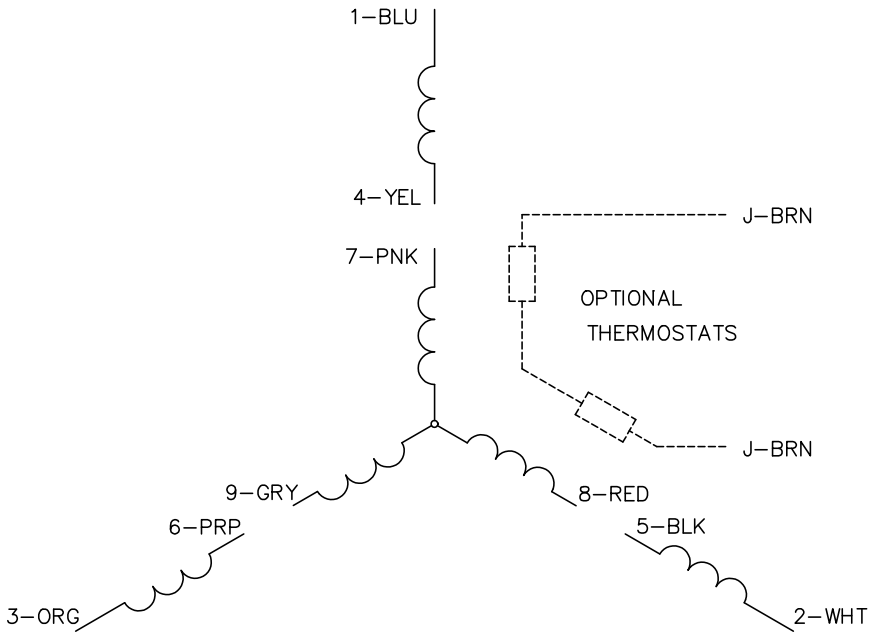
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

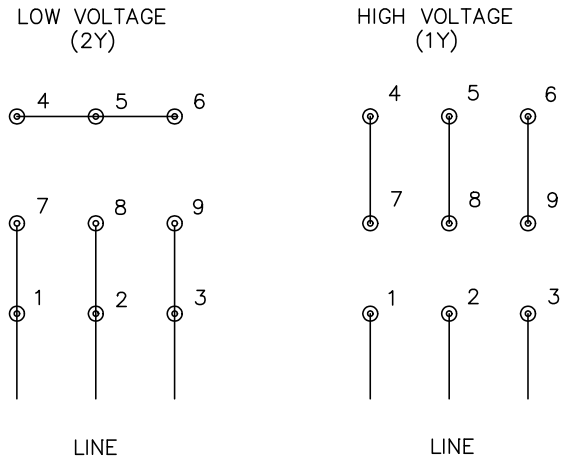
REV. DESC: LOAD TO SOLIDWORKS - REV G			
REV: H	VERSION: 03	REVISED: 04:25:22 12/19/2022	TDR: 000001201165
34LYK036	MODEL NO. 34LYK036		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

STD VERT MODEL 34M NEMA 56J TEFC

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