

BALDOR • RELIANCE

Customer information packet

KL3405

.33HP, 3450RPM, 1PH, 60HZ, 56C, 3413L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.000 A @ 230.0 V 3.200 A @ 208.0 V 3.700 A @ 208.0 V 6.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	AF
Type	AC
Mech. spec.	34C063
Base	
Status	PRD/A
Elec. spec.	34WG0183
Layout	34LYC063
Eff. date	12-30-2024
CD Diagram	CD0001
Poles	02
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.35 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
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
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	KL3405								
SPEC.	34C63-183								
HP	.33								
VOLTS	115/208-230								
AMP	6/3.2-3								
RPM	3450								
FRAME	56C		HZ	60		PH	1		
SER.F.	1.35	CODE	K	DES	N	CLASS	B		
NEMA-NOM-EFF	55	PF	68						
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEFC	SN							
	SFA 7/3.7-3.5								

AC Induction Motor Performance Data

Record # 50672

Typical performance - not guaranteed values

Winding: 34WG0183-R001		Type: 3413L		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	.33		Full Load Torque	0.5 LB-FT	
Volts	115/208-230		Start Configuration	direct on line	
Full Load Amps	6/3.2-3		Breakdown Torque	1.3 LB-FT	
R.P.M.	3450		Pull-up Torque	1.1 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	1.6 LB-FT	
NEMA Design Code	N	KVA Code	K	Starting Current	14 A
Service Factor (S.F.)	1.35		No-load Current	2.4 A	
NEMA Nom. Eff.	55	Power Factor	68	Line-line Res. @ 25°C	7.12 Ω A Ph 5.47 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load		
S.F. Amps	7/3.7-3.5		Temp. Rise @ S.F. Load		

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	47	56	66	70	75	72
Efficiency	36.3	46.9	53.8	58.8	59.8	59.7	60.2
Speed	3556	3535	3508	3465	3439	3393	3429
Line amperes	2.4	2.5	2.6	2.9	3.2	3.5	3.4

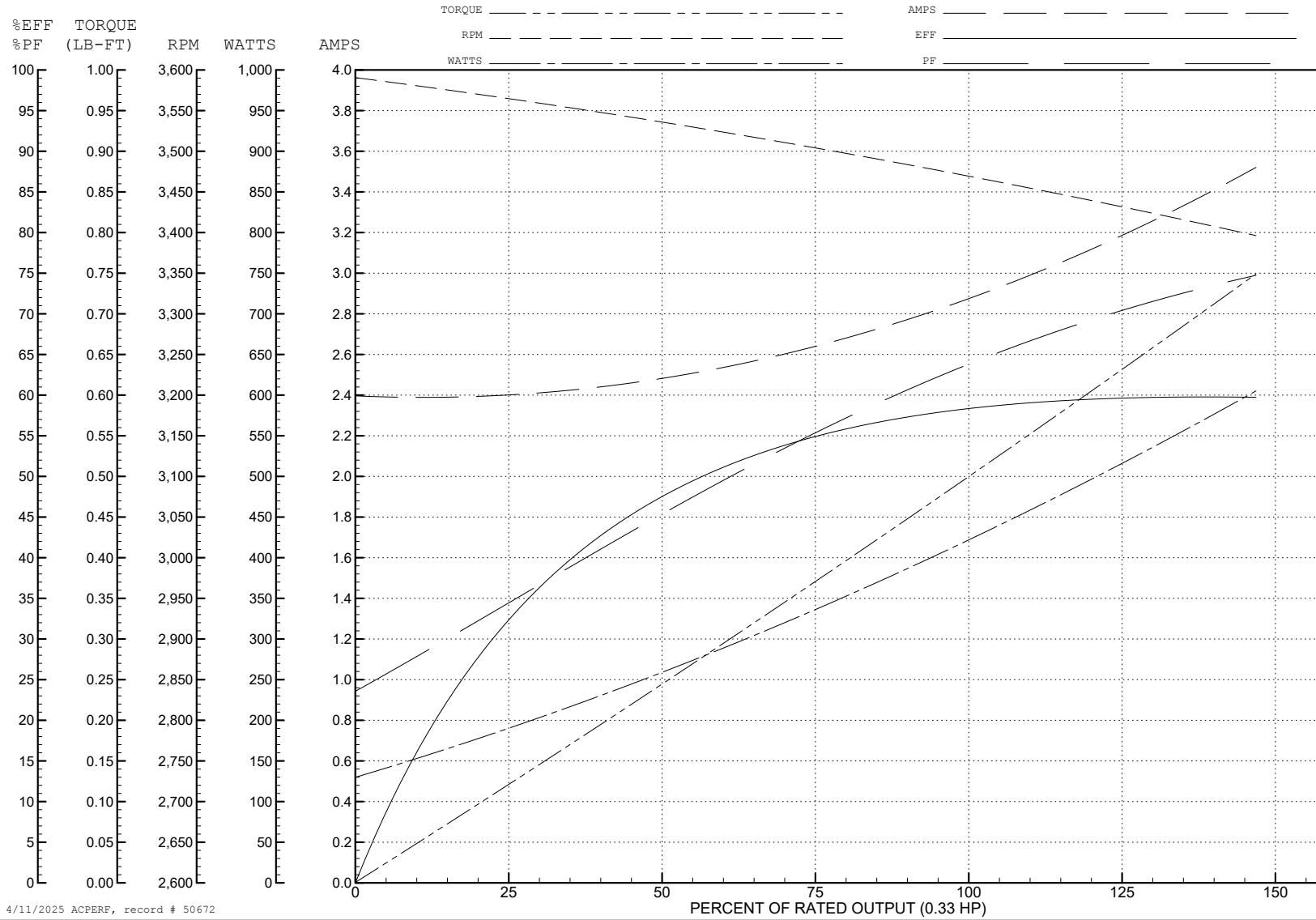
ABB Motors and Mechanical Inc.

WINDING # 34WG0183

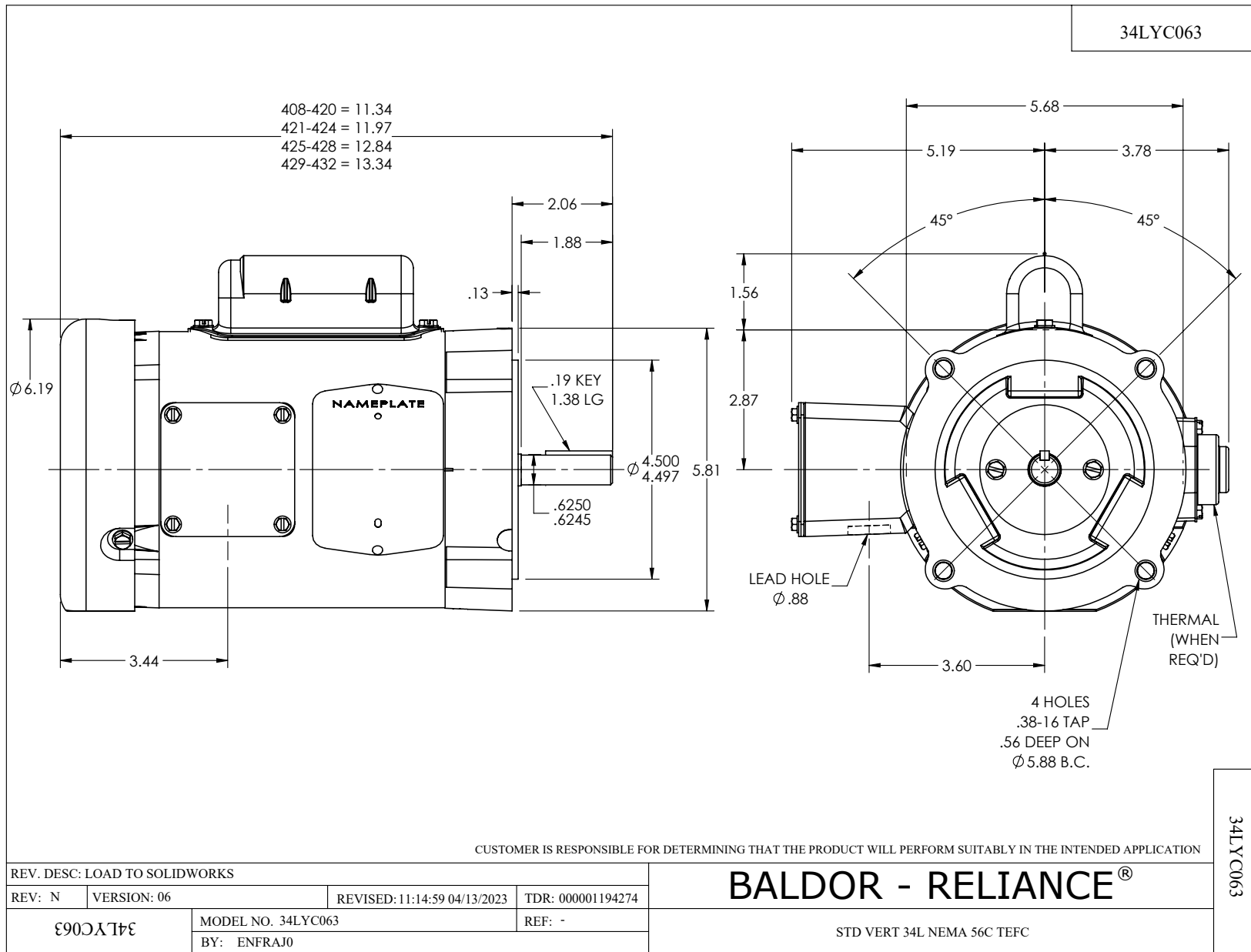
Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3413L

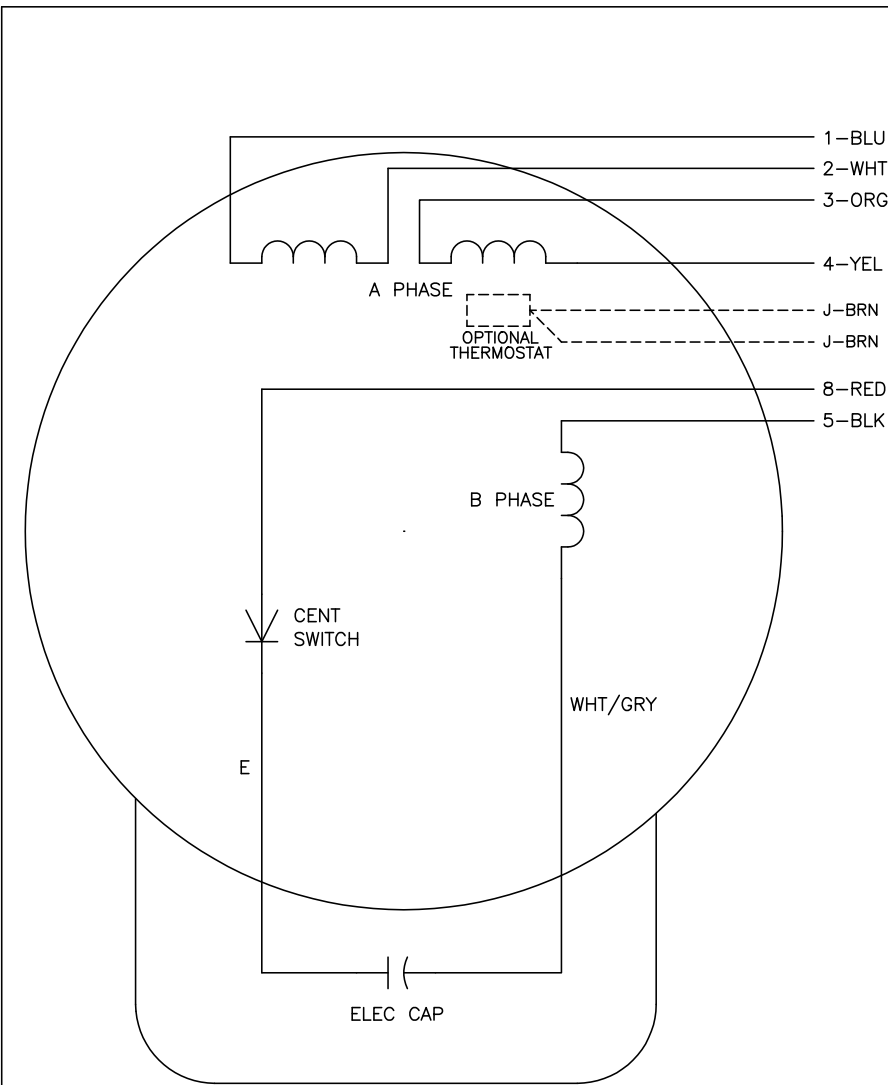
TORQUES (LB-FT): PO=1.3 PU=1.1 LR=1.6 LRA=14



4/11/2025 ACPERF, record # 50672



CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001