ABB BALDOR RELIANCE

Customer information packet

L1304M

.5HP, 1725RPM, 1PH, 60HZ, 56, 3418L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56
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	.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	4.200 A @ 230.0 V
	4.800 A @ 208.0 V
	8.400 A @ 115.0 V
Design Code	N
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	AC
Type	AC
Mech. spec.	34F005
Base	
Status	INA/A
Elec. spec.	34WG5596
Layout	34LYF005
Eff. date	03-07-2017
CD Diagram	CD0269
Poles	04
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	4.2 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	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3418L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.76 IN
Power Factor	62
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	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	Manual Thermal Overload

Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	L1304M										
SPEC.	34F05-5596										
HP	.5										
VOLTS	115/230										
AMP	8.4/4.2										
RPM	1725										
FRAME	56		**HZ**	60		**PH**	1				
SER.F.	1.25	**CODE**	K	**DES**	N	**CL**	B				
NEMA-NOM-EFF	62	**PF**	62								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	OPEN	**SN**									
	SFA 9.2/4.6										

AC Induction Motor Performance Data
Record # 6783
Typical performance - not guaranteed values

Winding: 34WG5596-R001 **Type:** 3418L **Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			.5
Volts			115/230
Full Load Amps			8.4/4.2
R.P.M.			1725
Hz	60	**Phase**	1
NEMA Design Code	N	**KVA Code**	K
Service Factor (S.F.)			1.25
NEMA Nom. Eff.	62	**Power Factor**	62
Rating - Duty			40C AMB-CONT
S.F. Amps			9.2/4.6

230 V, 60 Hz: High Voltage Connection	
Full Load Torque	1.5 LB-FT
Start Configuration	direct on line
Breakdown Torque	4.35 LB-FT
Pull-up Torque	3.75 LB-FT
Locked-rotor Torque	5.03 LB-FT
Starting Current	18 A
No-load Current	3.4 A
Line-line Res. @ 25ºC	4.24 Ω A Ph 3.24 Ω B Ph
Temp. Rise @ Rated Load	59°C
Temp. Rise @ S.F. Load	68°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	42	53	62	69	77	69
Efficiency	36	52	60	64	65	65	65
Speed	1780	1765	1750	1730	1711	1685	1711
Line amperes	3.45	3.6	3.85	4.2	4.6	5.2	4.6

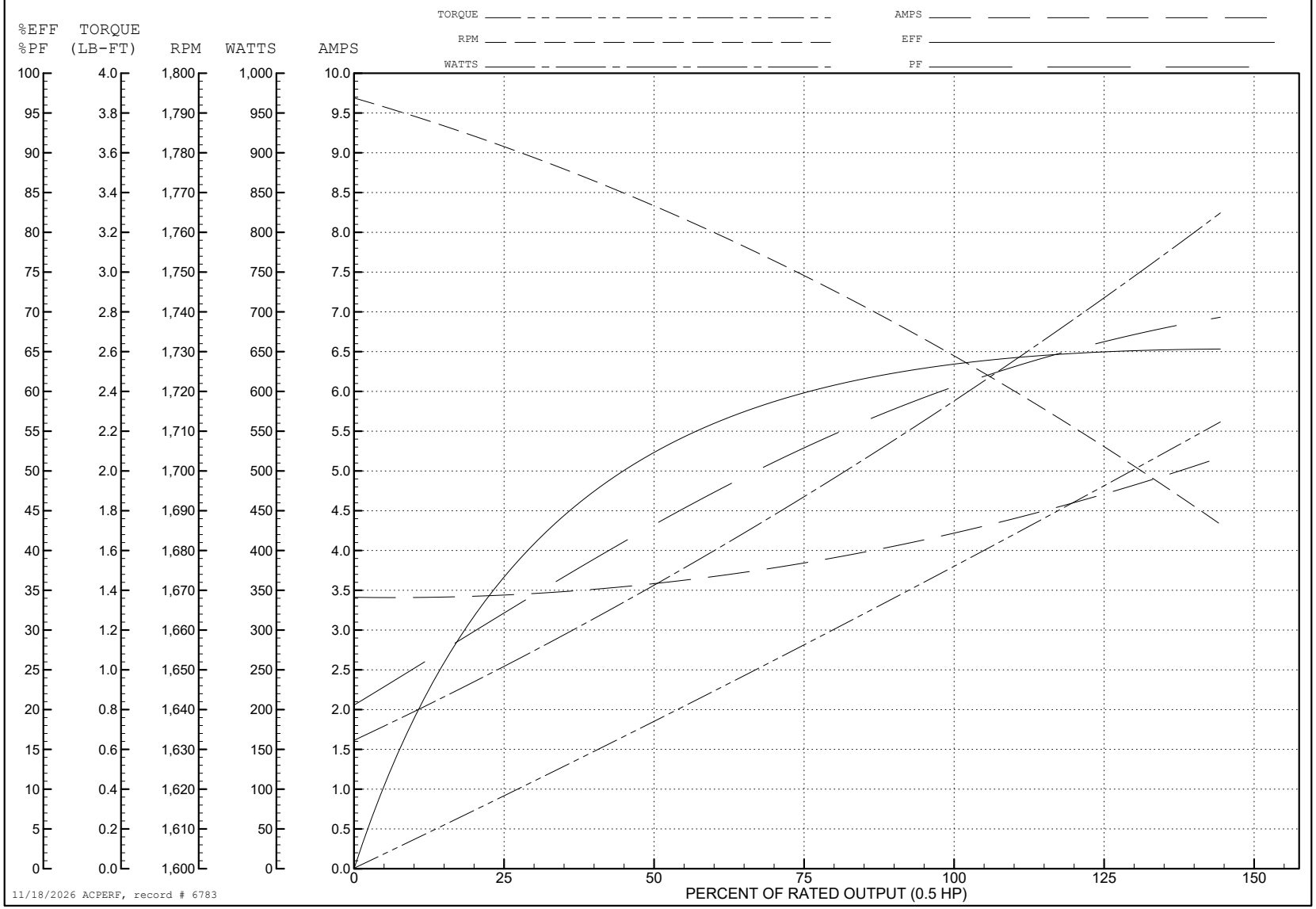
ABB Motors and Mechanical Inc.

WINDING # 34WG5596

0.5 HP 1 PH 60 HZ 1725 RPM 230 V 3418L

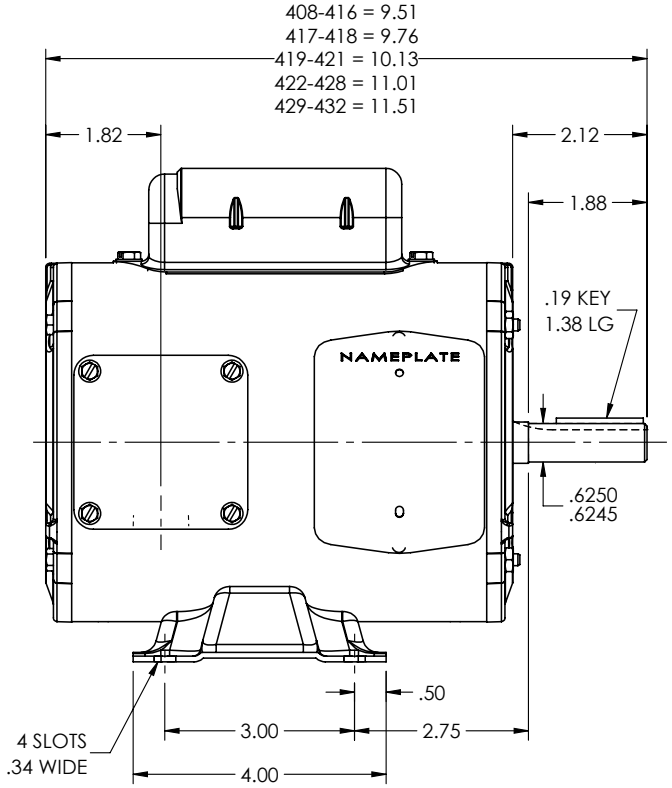
Typical performance - not guaranteed values.

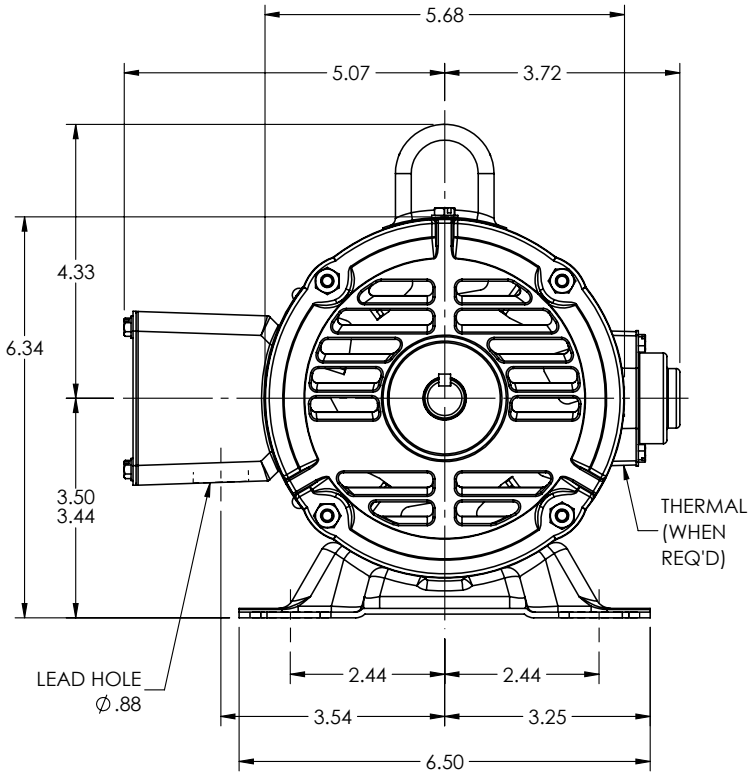
TORQUES(LB-FT): PO=4.35 PU=3.75 LR=5.03 LRA=18



11/18/2026 ACPERF, record # 6783

34LYF005





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

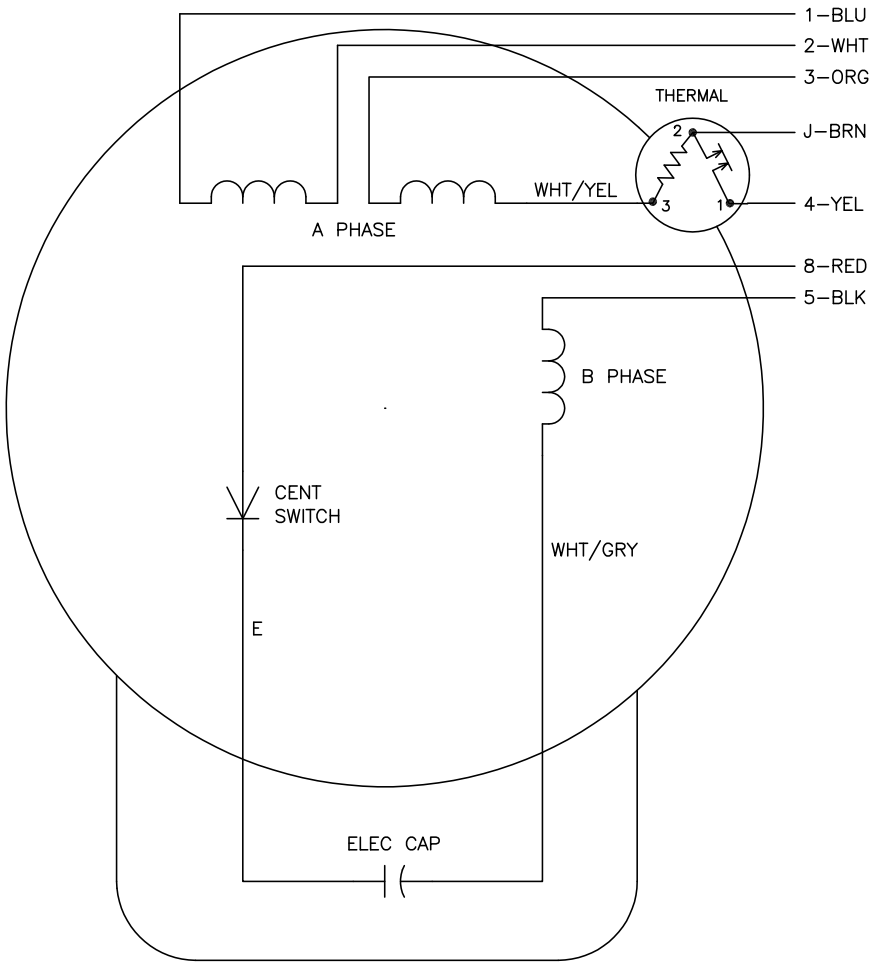
REV. DESC: CLEAN UP DIMENSIONING			
REV: J	VERSION: 05	REVISED: 11:07:39 04/15/2025	TDR: 000001254324
34LYF005	MODEL NO. 34LYF005		REF: -
	BY: ENJEFD0		

BALDOR - RELIANCE®

STD HORZ MODEL 34L NEMA 56 OPEN

34LYF005

CD0269



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

NOTES:

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

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 04/08/99 1:07	TDR: 0178636
CD0269		FILE: AAA00007421	MDL: –
		MTL: –	TYPE L, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

CD0269