ABB BALDOR RELIANCE

Customer information packet

L1203M

.25HP, 1725RPM, 1PH, 60HZ, 48, 3411L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	48
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	.250 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	2.500 A @ 230.0 V
	3.000 A @ 208.0 V
	5.000 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
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	Z
Type	AC
Mech. spec.	34F001
Base	
Status	INA/A
Elec. spec.	34WG5604
Layout	34LYF001
Eff. date	03-07-2017
CD Diagram	CD0008
Poles	04
Leads	7#18
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	2.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3411L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.13 IN
Power Factor	57
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	1.35
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	Manual Thermal Overload

Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

	NP1257L									
CAT.NO.	L1203M									
SPEC.	34F01-5604									
HP	.25									
VOLTS	115/230									
AMP	5/2.5									
RPM	1725									
FRAME	48		**HZ**	60		**PH**	1			
SER.F.	1.35	**CODE**	L	**DES**	N	**CL**	B			
NEMA-NOM-EFF	55	**PF**	57							
RATING	40C AMB-CONT									
CC										
DE	6203	**ODE**	6203							
ENCL	OPEN	**SN**								
	SFA 5.6/2.8									

AC Induction Motor Performance Data
Record # 6792
Typical performance - not guaranteed values

Winding: 34WG5604-R001	**Type:** 3411L	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.25	**Full Load Torque**	0.75 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			5/2.5	**Breakdown Torque**	2.13 LB-FT
R.P.M.			1725	**Pull-up Torque**	1.88 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	2.48 LB-FT
NEMA Design Code	N	**KVA Code**	L	**Starting Current**	9.95 A
Service Factor (S.F.)			1.35	**No-load Current**	2.2 A
NEMA Nom. Eff.	55	**Power Factor**	57	**Line-line Res. @ 25ºC**	8.88 Ω A Ph 7.06 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	42°C
S.F. Amps			5.6/2.8	**Temp. Rise @ S.F. Load**	50°C

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	40	49	57	63	69	67
Efficiency	27	42	51	55	58	59	59
Speed	1779	1763	1745	1725	1705	1680	1690
Line amperes	2.2	2.3	2.4	2.5	2.7	2.9	2.8

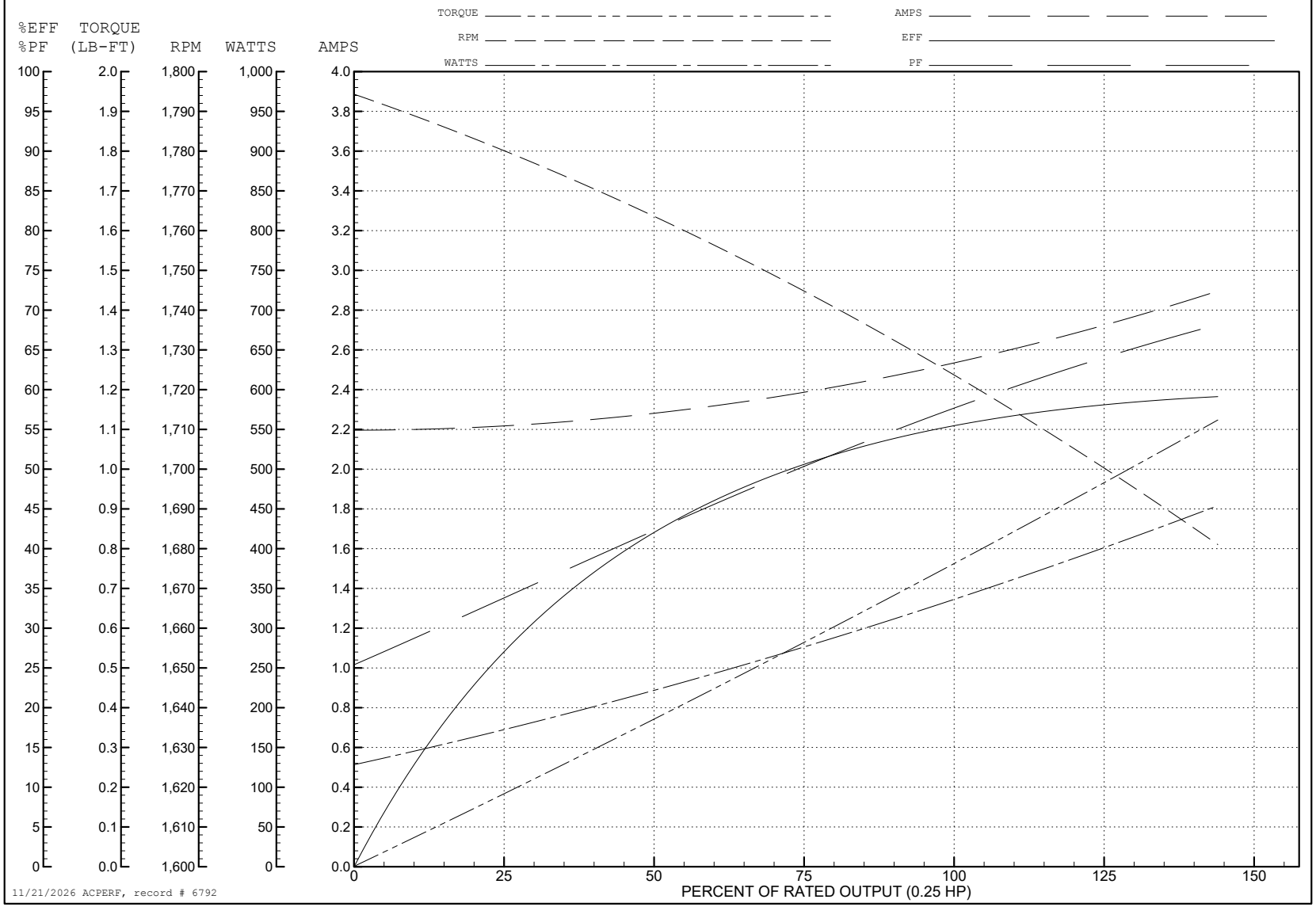
ABB Motors and Mechanical Inc.

WINDING # 34WG5604

0.25 HP 1 PH 60 HZ 1725 RPM 230 V 3411L

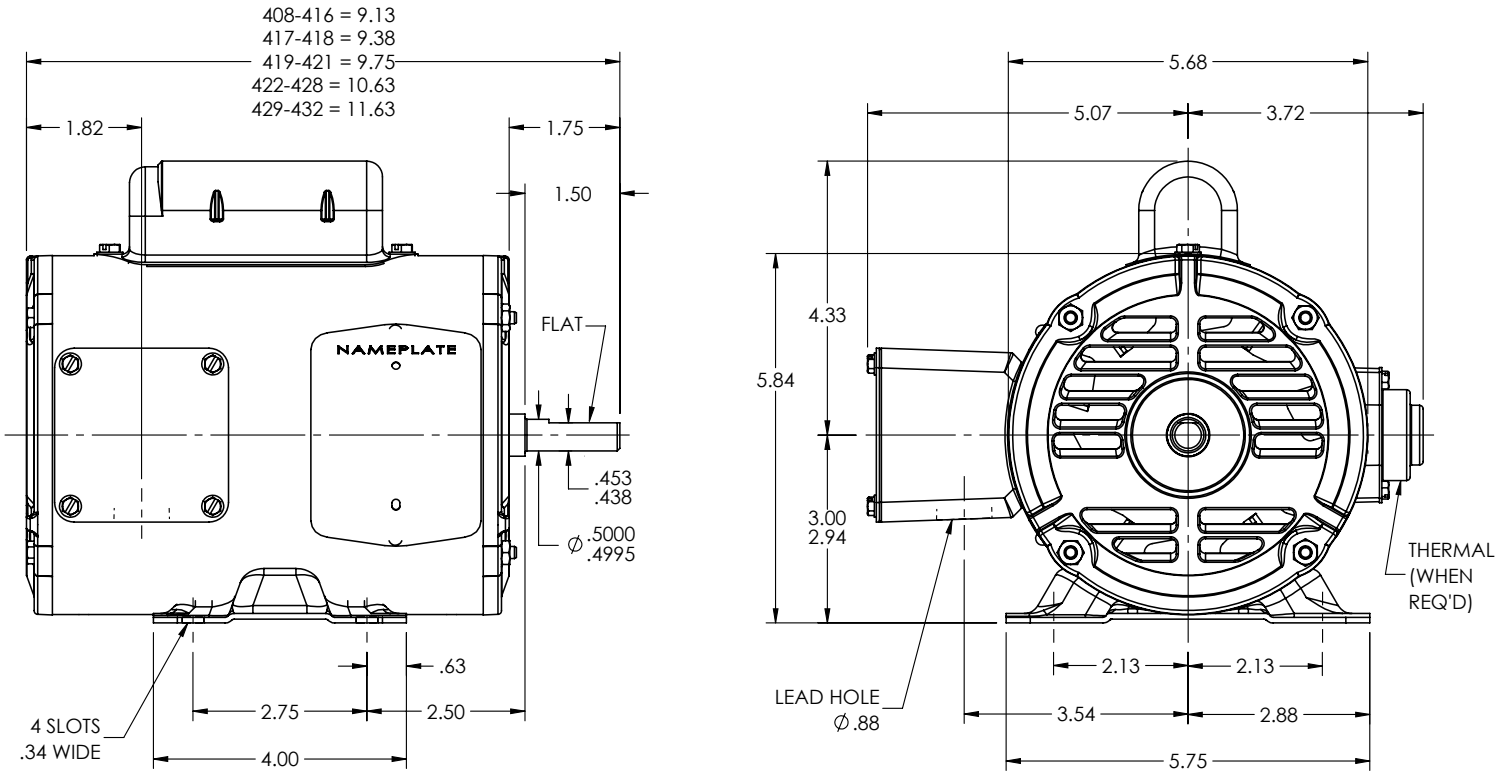
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=2.13 PU=1.88 LR=2.48 LRA=9.95



11/21/2026 ACPERF, record # 6792

34LYF001



34LYF001

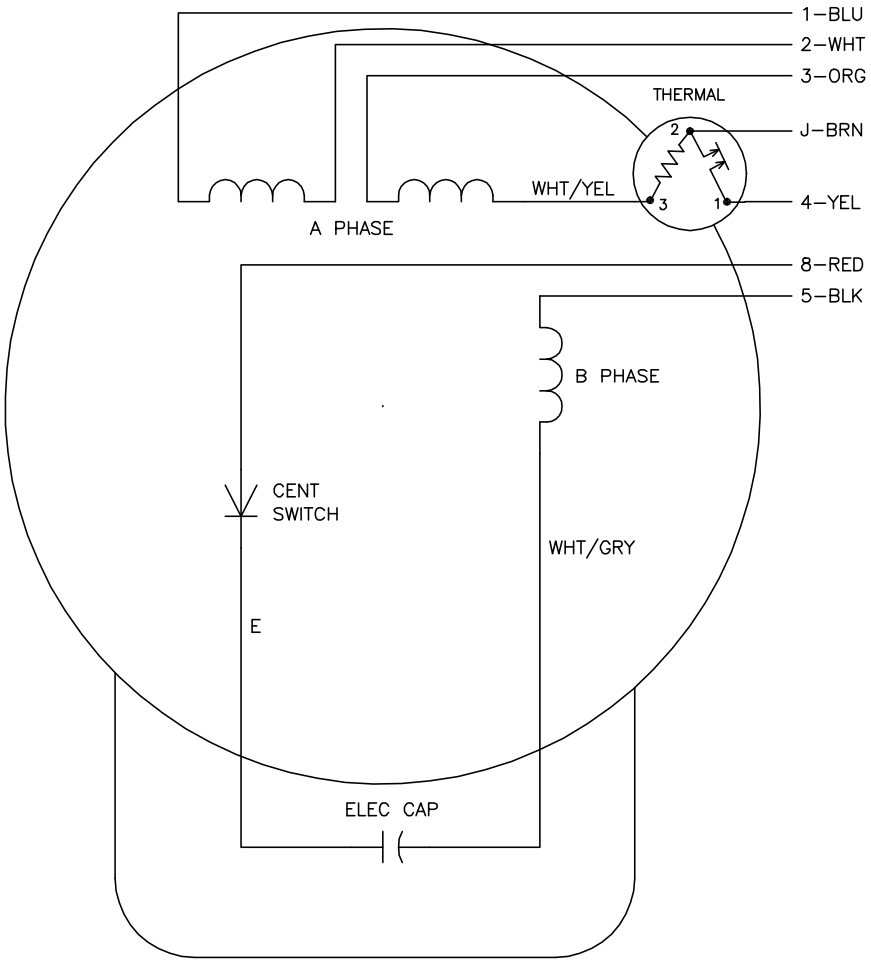
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: CLEAN UP DIMENSIONING			
REV: L	VERSION: 05	REVISED: 07:20:02 04/15/2025	TDR: 000001253803
34LYF001	MODEL NO. 34LYF001		REF: -
	BY: ENJEFD0		

BALDOR - RELIANCE®

STD HORZ MODEL 34L NEMA 48 OPEN

CD0008



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

CD0008

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	