

**BALDOR® • RELIANCE®**

---

# Customer information packet

## NM3534

.33HP, 1725RPM, 3PH, 60HZ, 56, 3416M, TENV, F1

ELECTRIC MOTOR WHOLESAL.COM

Class - None

Division - Not Applicable

## Specifications

Enclosure	TENV
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Output @ Frequency	.330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	.700 A @ 460.0 V 1.400 A @ 230.0 V 1.550 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.7 a

## Part detail

Revision	Q
Type	AC
Mech. spec.	34A076
Base	
Status	PRD/A
Elec. spec.	34WG0116
Layout	34LYA076
Eff. date	02-15-2018
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-01-0001

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	K
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	9 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3416M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	10.25 IN
<b>Power Factor</b>	64
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.35
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1725 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor

**Nameplate**

<b>NP1256L</b>									
<b>CAT.NO.</b>	NM3534								
<b>SPEC.</b>	34A76-116G1								
<b>HP</b>	.33								
<b>VOLTS</b>	230/460								
<b>AMP</b>	1.4/.7								
<b>RPM</b>	1725								
<b>FRAME</b>	56	<b>HZ</b>	60	<b>PH</b>	3				
<b>SER.F.</b>	1.35	<b>CODE</b>	K	<b>DES</b>	B	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	70	<b>PF</b>	64						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	<b>USABLE AT 208V</b>							1.55	
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	TENV	<b>SN</b>							
	SFA 1.5/.75								

## Parts list

Part number	Description	Quantity
SA009931	SA 34A76-116G1	1.000 ea
RA006376	RA 34A76-116G1	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 ea
34GS1029A01	GASKET, CONDUIT BOX	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
34EP3100A03SP	FR ENDPLATE, MACH	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 ea
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 ea
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 ea
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 ea
35PA1066	PKG GRP, PRINT PK1001A01	1.000 ea

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
34-171	C FACE KIT	A8

**AC Induction Motor Performance Data**

Record # 20815

Typical performance - not guaranteed values

<b>Winding: 34WG0116-R008</b>		<b>Type: 3416M</b>		<b>Enclosure: TENV</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	.33		<b>Full Load Torque</b>	1 LB-FT	
<b>Volts</b>	230/460		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	1.4/.7		<b>Breakdown Torque</b>	4.9 LB-FT	
<b>R.P.M.</b>	1725		<b>Pull-up Torque</b>	3.35 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	3	<b>Locked-rotor Torque</b>	3.75 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	K	<b>Starting Current</b>	4.3 A	
<b>Service Factor (S.F.)</b>	1.35		<b>No-load Current</b>	0.54 A	
<b>NEMA Nom. Eff.</b>	<b>70 Power Factor</b>	64	<b>Line-line Res. @ 25°C</b>	39.4 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	60°C	
<b>S.F. Amps</b>	1.5/.75		<b>Temp. Rise @ S.F. Load</b>	74°C	

**Load Characteristics 460 V, 60 Hz, 0.33 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	28	41	52	61	68	73	70
<b>Efficiency</b>	50	65	72	75.5	77	77	77
<b>Speed</b>	1784	1771	1758	1744	1729	1713	1723
<b>Line amperes</b>	0.55	0.58	0.62	0.67	0.73	0.81	0.762

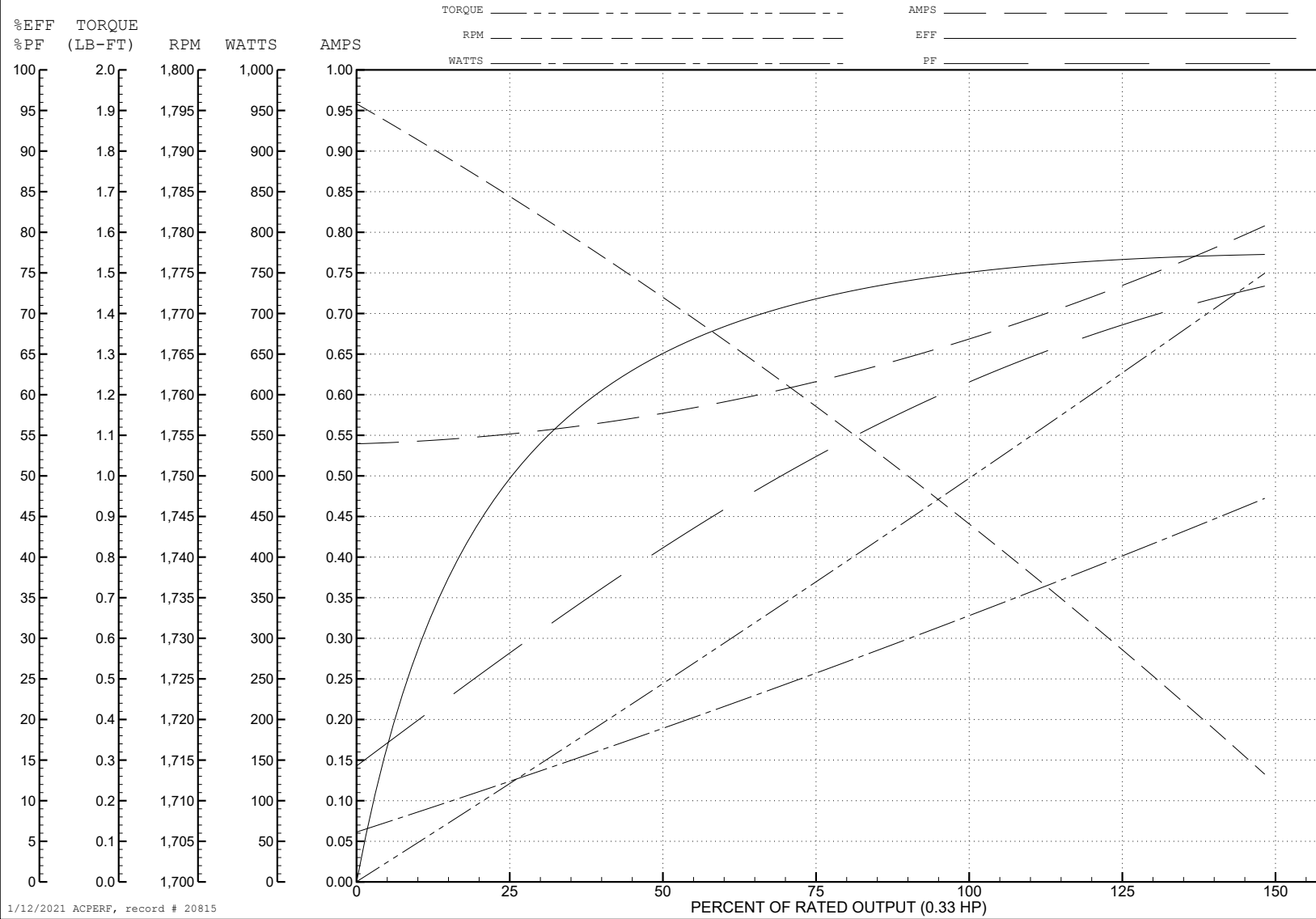
ABB Motors and Mechanical Inc.

WINDING # 34WG0116

0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3416M

Typical performance - not guaranteed values.

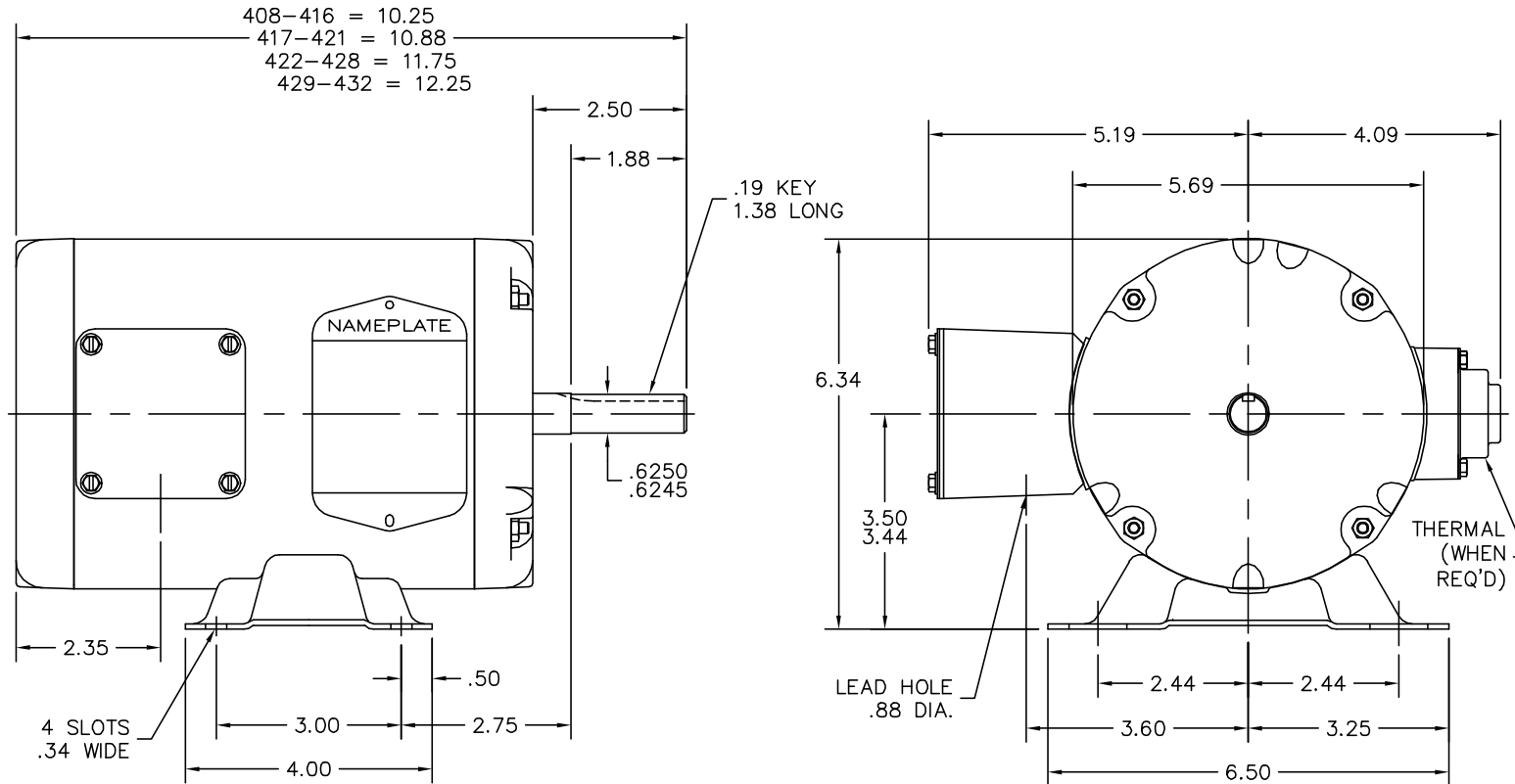
TORQUES (LB-FT): PO=4.9 PU=3.35 LR=3.75 LRA=4.3



1/12/2021 ACPERF, record # 20815



34LYA076



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

REV. DESC: REVISE 4 HOLES TO READ 4 SLOTS (PER BASE DWG)		
REV. LTR: F	VERSION: 04	TDR: 000001131303
FILE: \AAA\00026\165	REVISED: 02: 25: 31 01/30/2020	BY: ENELLGO
MTL: -	©	

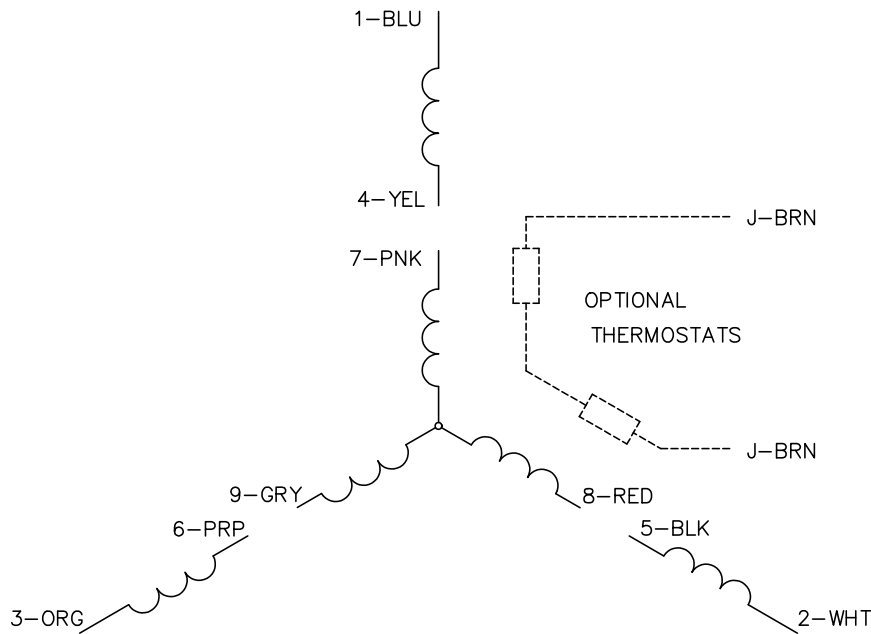
**BALDOR - RELIANCE®**

STD HORZ MODEL 34M NEMA 56 TENV/TEAO

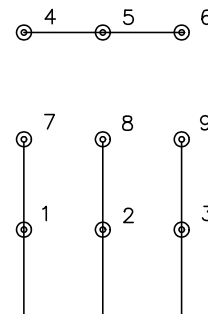
SH 1 of 1

34LYA076

CD0005

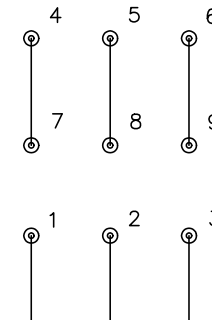


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005