

ABB BALDOR RELIANCE III

Customer information packet

AOM3546T

1HP, 1725RPM, 3PH, 60HZ, 143T, 3428M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	143T
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
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	3.800 A @ 208.0 V 3.600 A @ 230.0 V 1.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	Z
Type	AC
Mech. spec.	34T061
Base	
Status	PRD/A
Elec. spec.	34WG3254
Layout	34LYT061
Eff. date	10-28-2024
CD Diagram	CD0005
Poles	04
Leads	9#18 36" LG Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 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	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3428M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.81 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 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	None

Winding Thermal 2

None

Nameplate

NP1256L											
CAT.NO.	AOM3546T										
SPEC.	34T61-3254										
HP	1 AIR OVER										
VOLTS	208-230/460										
AMP	3.8-3.6/1.8										
RPM	1725										
FRAME	143T		HZ	60				PH	3		
SER.F.	1.00	CODE	L	DES	B	CLASS			B		
NEMA-NOM-EFF	75.5	PF	64								
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	TEAO	SN									
	1000 FPM AT 44 CFM										

Parts List

Part number	Description	Quantity
SA007569	SA 34T61-3254	1.000 ea
RA004105	RA 34T61-3254	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
34EP3904T01	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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 ea
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

Accessories

Part number	Description	Multiplier
34-3903T	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 30736

Typical performance - not guaranteed values

Winding: 34WG3254-R014			Type: 3428M		Enclosure: XPFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1	Full Load Torque		3 LB-FT	
Volts		208-230/460	Start Configuration		direct on line	
Full Load Amps		3.8-3.6/1.8	Breakdown Torque		14.6 LB-FT	
R.P.M.		1725	Pull-up Torque		12.5 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		15.8 LB-FT	
NEMA Design Code		B KVA Code	Starting Current		14.6 A	
Service Factor (S.F.)		1	No-load Current		1.3 A	
NEMA Nom. Eff.		75.5 Power Factor	Line-line Res. @ 25°C		12.3 Ω	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		66°C	
			Locked-rotor Power Factor		54	
			Rotor inertia		0.0667 LB-FT2	

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	31	46	57	66	72	76
Efficiency	57.8	70.5	76	77.3	78.6	76.5
Speed	1786	1773	1760	1747	1734	1716
Line amperes	1.35	1.47	1.63	1.84	2.06	2.38

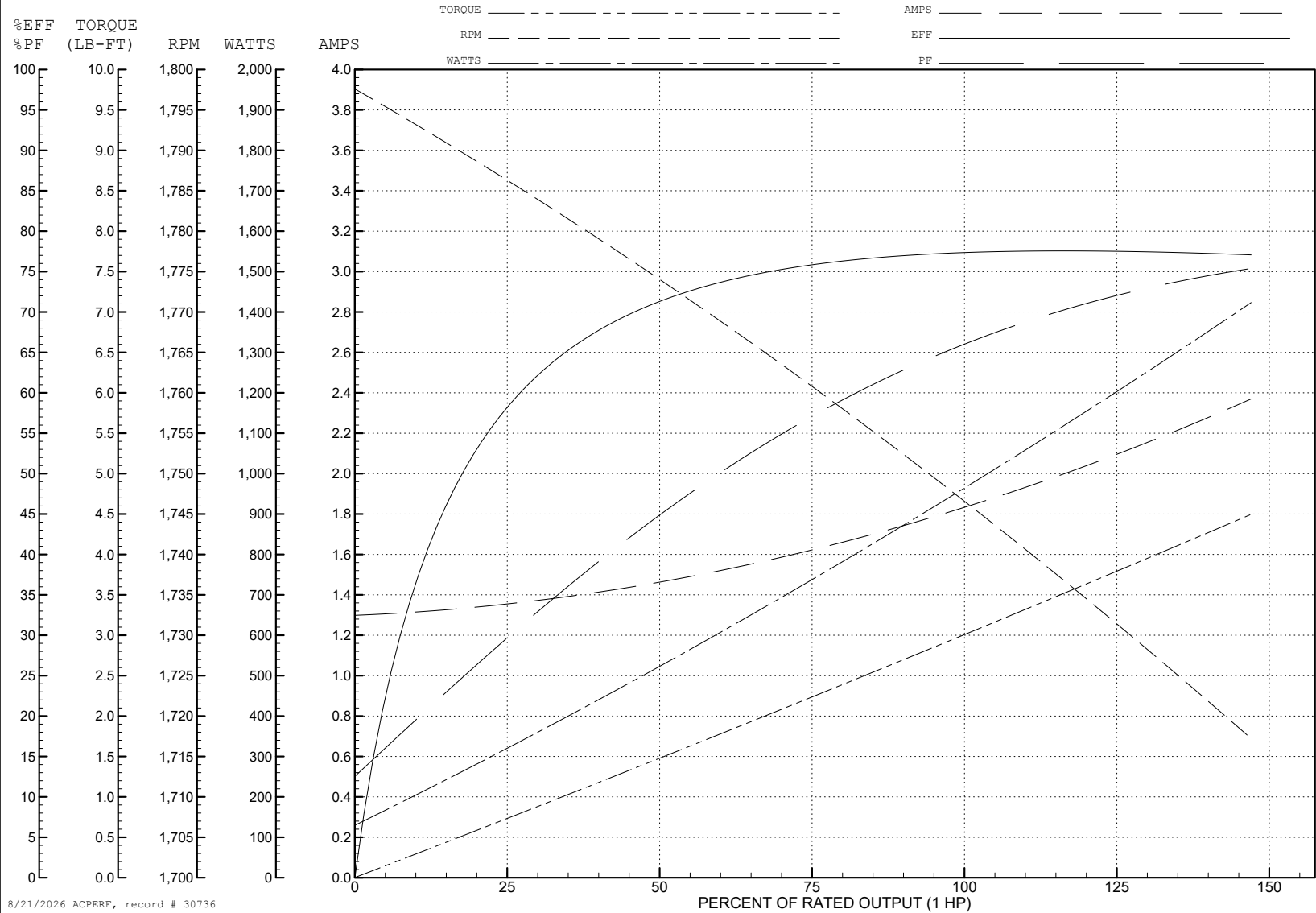
ABB Motors and Mechanical Inc.

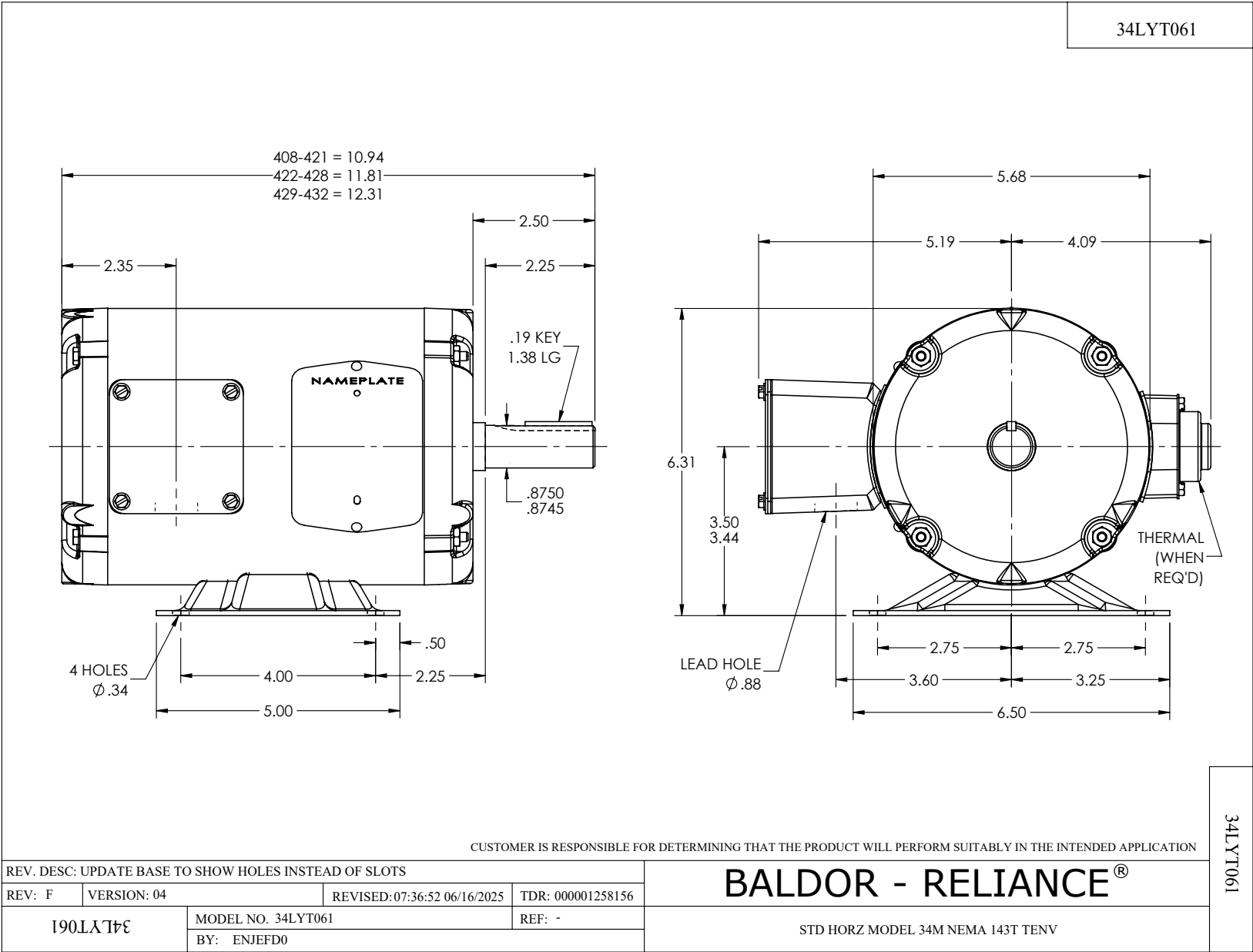
WINDING # 34WG3254

Typical performance - not guaranteed values.

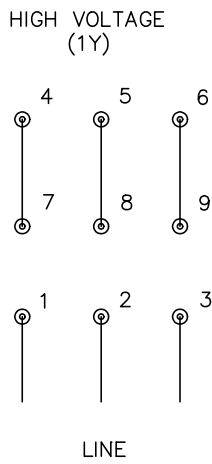
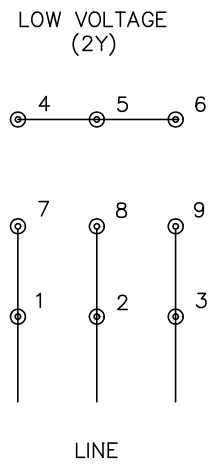
1 HP 3 PH 60 HZ 1725 RPM 460 V 3428M

TORQUES (LB-FT): PO=14.6 PU=12.5 LR=15.8 LRA=14.6





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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005