ABB BALDOR RELIANCE

Customer information packet

AOM3607T

1.5HP, 1140RPM, 3PH, 60HZ, 182T, 3618M, TEAO
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	182T
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	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	5.500 A @ 208.0 V
	5.000 A @ 230.0 V
	2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	Y
Type	AC
Mech. spec.	36G256
Base	
Status	PRD/A
Elec. spec.	36WGX152
Layout	36LYG256
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	06
Leads	9#16 36" LG Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3618M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.62 IN
Power Factor	72
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	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1140 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.	AOM3607T										
SPEC.	36G256X152										
HP	1.5										
VOLTS	208-230/460										
AMP	5.5-5/2.5										
RPM	1140										
FRAME	182T		**HZ**	60			**PH**	3			
SER.F.	1.00	**CODE**	H	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF	78.5	**PF**	72								
RATING	40C AMB-CONT										
CC											
DE	6206		**ODE**	6205							
ENCL	TEAO	**SN**									
	1250 FPM AT 100CFM										

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 10917
Typical performance - not guaranteed values

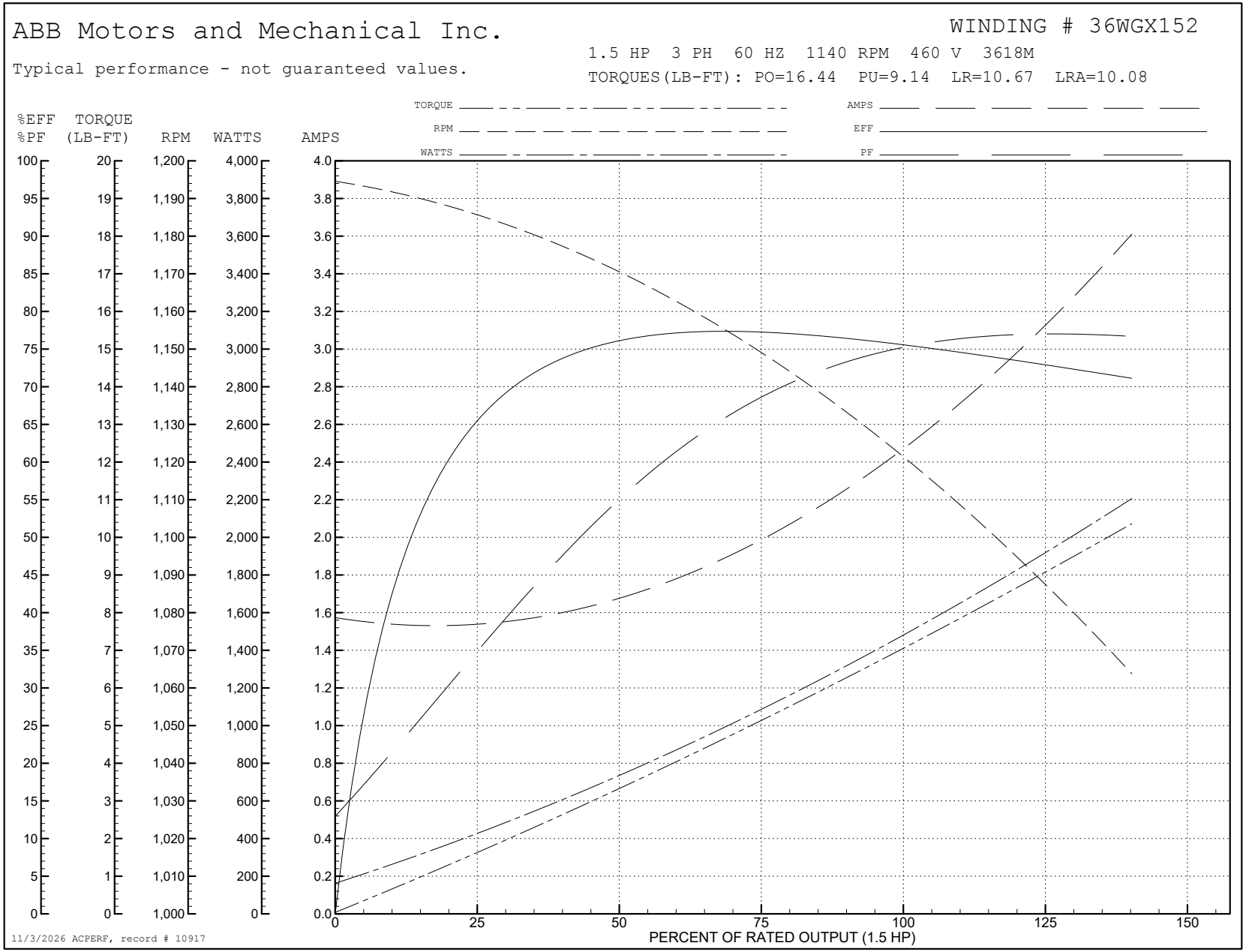
Winding: 36WGX152-R001	**Type:** 3618M	**Enclosure:** TEAO

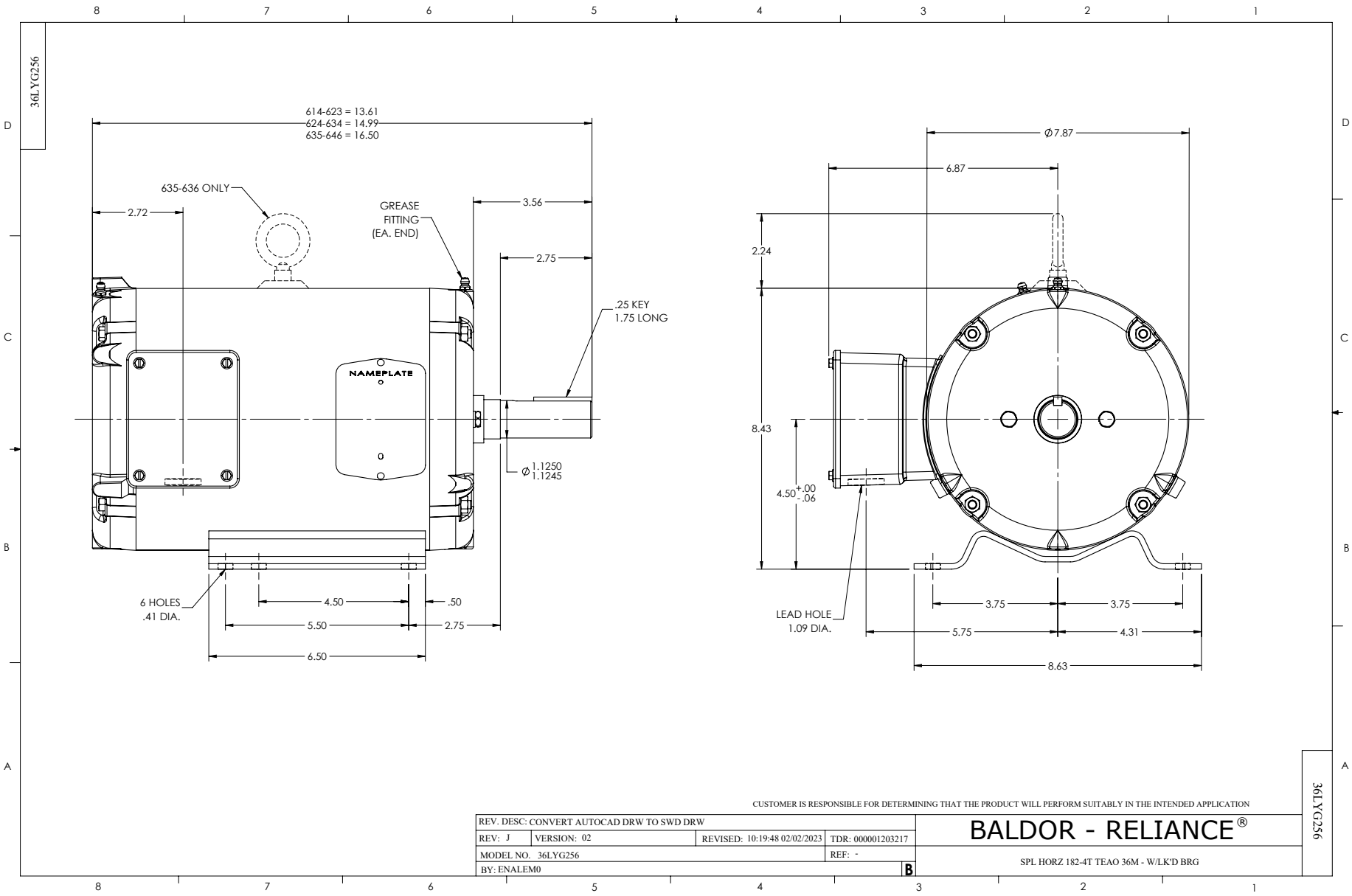
Nameplate Data			
Rated Output (HP)			1.5
Volts			208-230/460
Full Load Amps			5.5-5/2.5
R.P.M.			1140
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	H
Service Factor (S.F.)			1
NEMA Nom. Eff.	78.5	**Power Factor**	72
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	6.98 LB-FT
Start Configuration	direct on line
Breakdown Torque	16.44 LB-FT
Pull-up Torque	9.14 LB-FT
Locked-rotor Torque	10.67 LB-FT
Starting Current	10.08 A
No-load Current	1.52 A
Line-line Res. @ 25ºC	16.1 Ω
Temp. Rise @ Rated Load	74°C
Locked-rotor Power Factor	54.7
Rotor inertia	0.169 LB-FT2

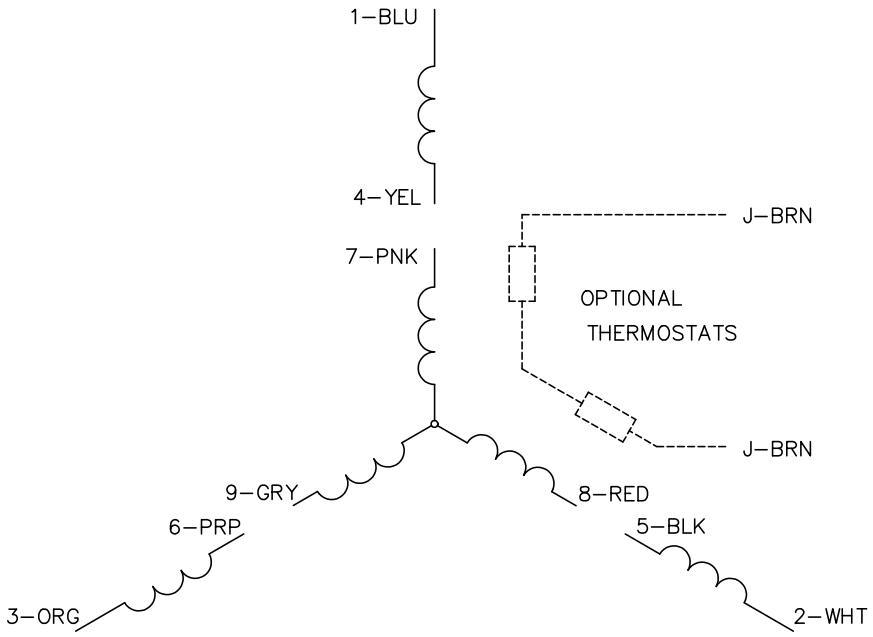
Load Characteristics 460 V, 60 Hz, 1.5 HP

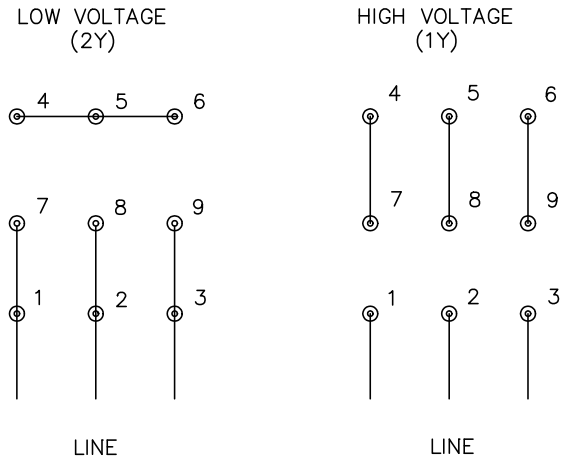
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	36	57	69	76	77	77
Efficiency	63.6	74.5	77.2	76.7	74.4	70.2
Speed	1183	1166	1147	1125	1098	1059
Line amperes	1.62	1.71	2.01	2.4	2.99	3.66


ABB Motors and Mechanical Inc.
WINDING # 36WGX152
1.5 HP 3 PH 60 HZ 1140 RPM 460 V 3618M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=16.44 PU=9.14 LR=10.67 LRA=10.08
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/3/2026 ACPERF, record # 10917


36LYG256
614-623 = 13.61
624-634 = 14.99
635-646 = 16.50
635-636 ONLY
2.72
GREASE FITTING (EA. END)
3.56
2.75
.25 KEY
1.75 LONG
NAMEPLATE
Ø 1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.87
6.87
2.24
8.43
4.50 +.00 -.06
LEAD HOLE
1.09 DIA.
3.75
3.75
5.75
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: J
VERSION: 02
REVISED: 10:19:48 02/02/2023
TDR: 000001203217
MODEL NO. 36LYG256
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
SPL HORZ 182-4T TEAO 36M - W/LK'D BRG
36LYG256

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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS