ABB BALDOR RELIANCE

Customer information packet

M1223T

3/1.3HP, 1725/1140RPM, 3PH, 60HZ, 184T, 3634M
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	184T
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	3.000 HP @ 60 HZ
	1.300 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 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	4.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
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	2.6 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGY048
Layout	36LYB001
Eff. date	10-30-2025
CD Diagram	CD0013
Poles	04/06
Leads	6#16
Proprietary	False
Created date	01-01-0001

KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	15.00 IN
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	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
	1725 rpm
Speed Code	2S-2W-VT
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.	M1223T										
SPEC.	36B01Y48										
HP	3/1.3										
VOLTS	460										
AMP	4/2.6										
RPM	1725/1140										
FRAME	184T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	G	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6206		**ODE**	6205							
ENCL	OPEN	**SN**									

Parts List

Part number	Description	Quantity
SA034238	SA 36B01Y48	1.000 ea
RA030266	RA 36B01Y48	1.000 ea
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3204B00	MASTER ODE,205 BRG,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3205D00	MASTER DE,206 BRG,1.197SH,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
LC0013	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 61406
Typical performance - not guaranteed values

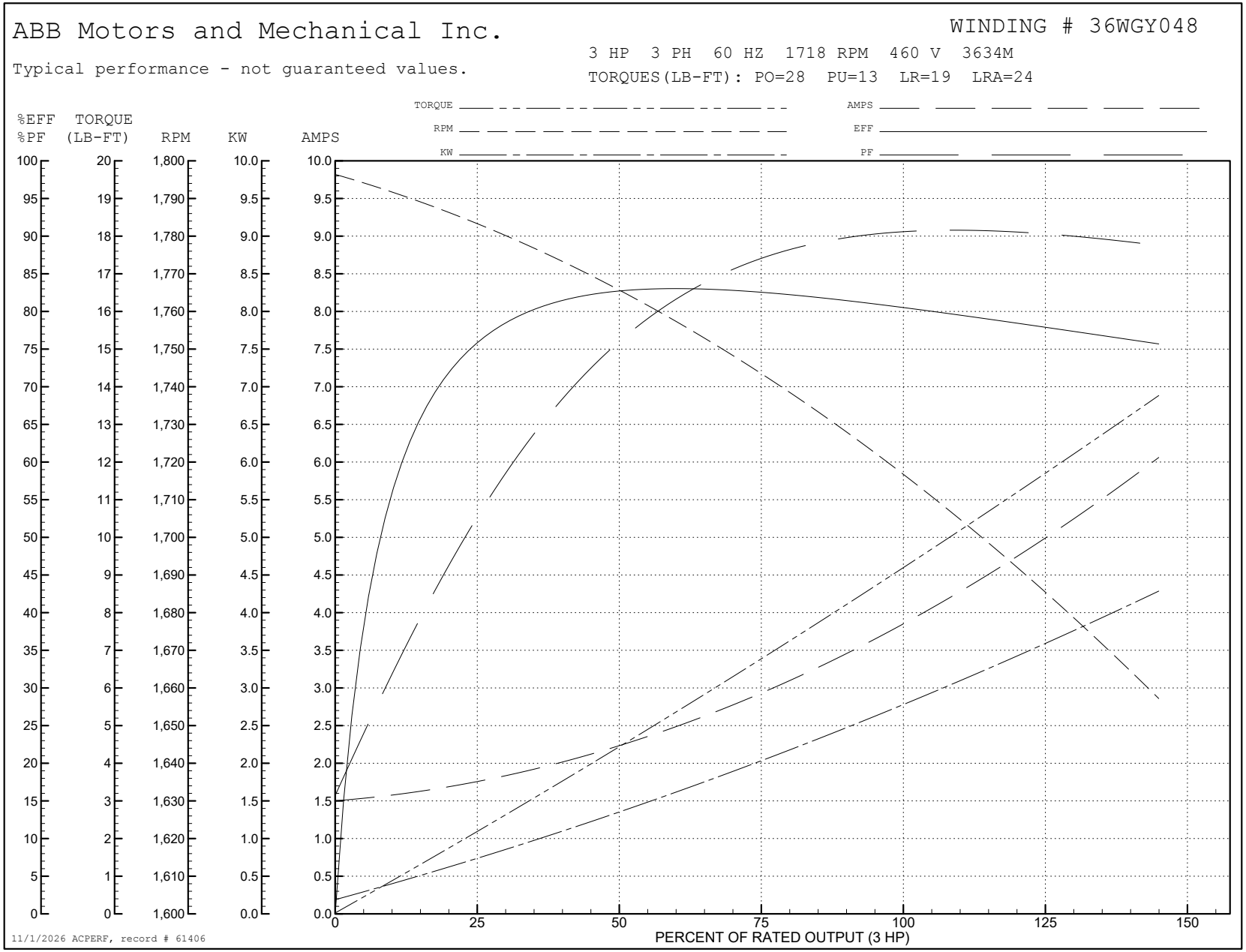
Winding: 36WGY048-R005	**Type:** 3634M	**Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			3/1.3
Volts			460
Full Load Amps			4/2.6
R.P.M.			1725/1140
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	G
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	9.2 LB-FT
Start Configuration	direct on line
Breakdown Torque	28 LB-FT
Pull-up Torque	13 LB-FT
Locked-rotor Torque	19 LB-FT
Starting Current	24 A
No-load Current	1.5 A
Line-line Res. @ 25ºC	9.82 Ω
Temp. Rise @ Rated Load	52°C
Temp. Rise @ S.F. Load	66°C
Locked-rotor Power Factor	65.1
Rotor inertia	0.319 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	56	77	87	90	91	89	91
Efficiency	74.3	81.5	82.4	81.2	78.7	75.2	86.9
Speed	1781	1763	1742	1718	1690	1655	3384
Line amperes	1.75	2.3	3	3.85	4.85	6.1	16.9


ABB Motors and Mechanical Inc.
WINDING # 36WGY048
Typical performance - not guaranteed values.
3 HP 3 PH 60 HZ 1718 RPM 460 V 3634M
TORQUES(LB-FT): PO=28 PU=13 LR=19 LRA=24
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
11/1/2026 ACPERF, record # 61406

AC Induction Motor Performance Data
Record # 61407
Typical performance - not guaranteed values

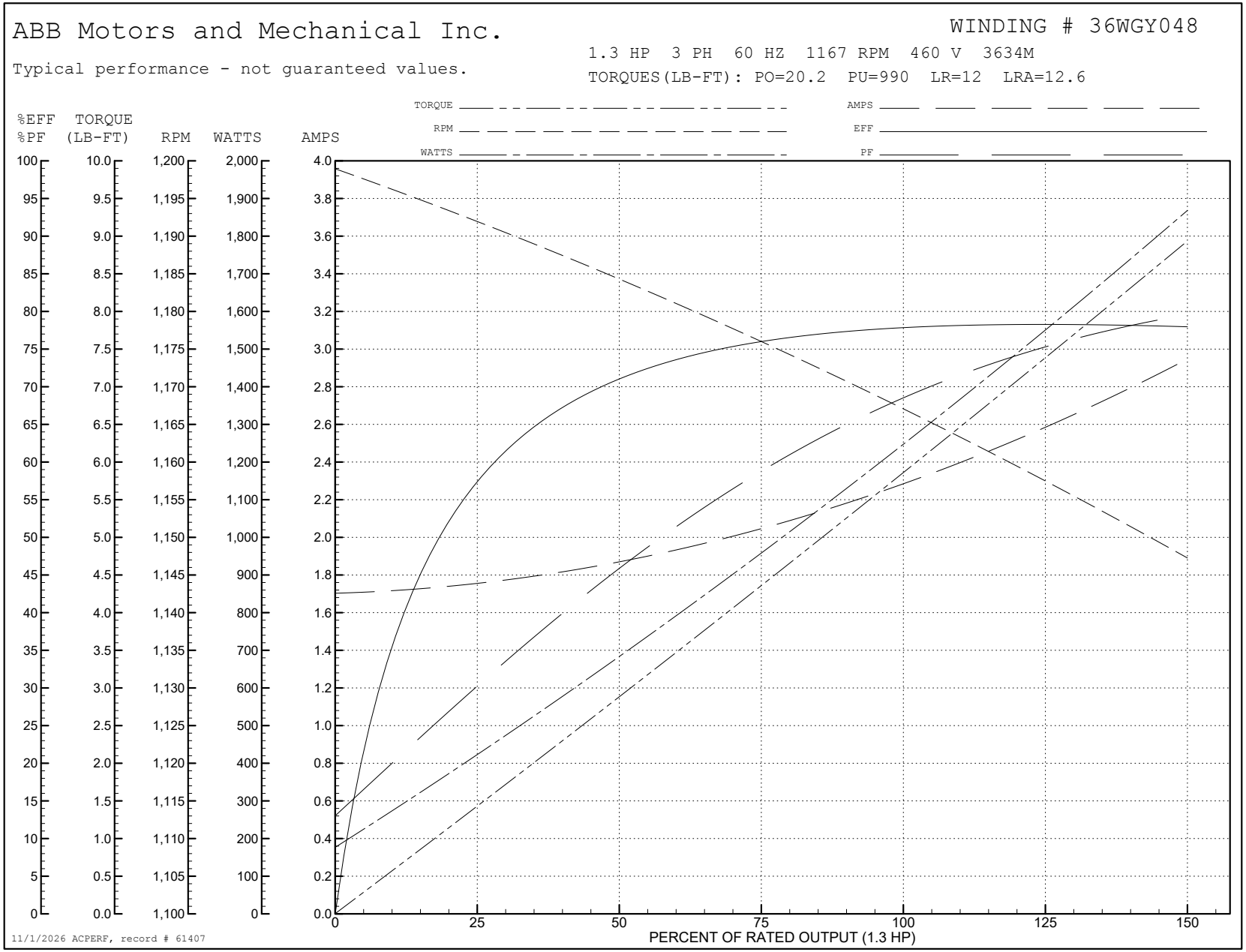
Winding: 36WGY048-R005	**Type:** 3634M	**Enclosure:** OPEN

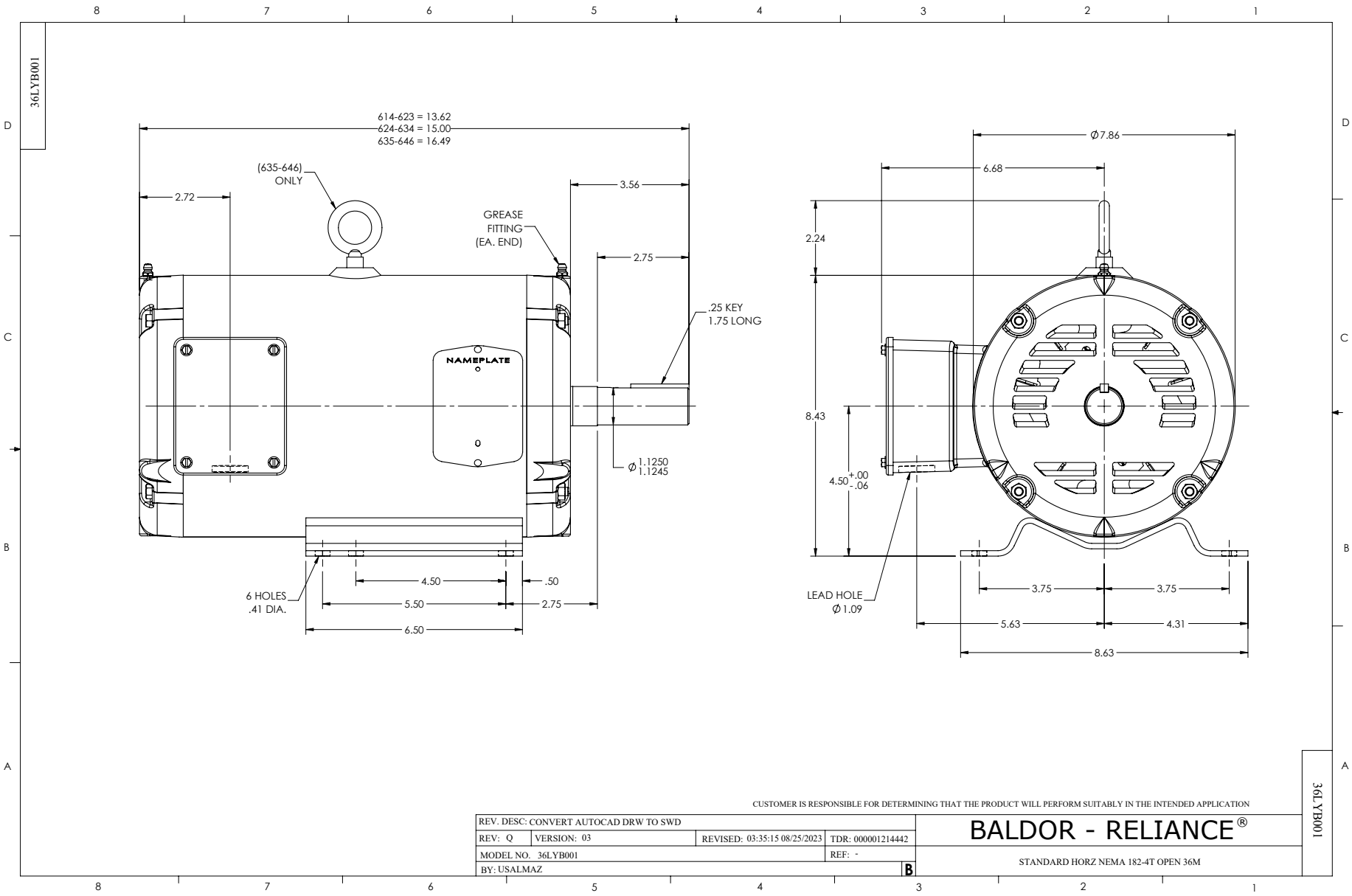
Nameplate Data			
Rated Output (HP)			3/1.3
Volts			460
Full Load Amps			4/2.6
R.P.M.			1725/1140
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	G
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: Low Speed Connection	
Full Load Torque	5.86 LB-FT
Start Configuration	direct on line
Breakdown Torque	20.2 LB-FT
Pull-up Torque	990 LB-FT
Locked-rotor Torque	12 LB-FT
Starting Current	12.6 A
No-load Current	1.71 A
Line-line Res. @ 25ºC	17.7 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	65.1
Rotor inertia	0.319 LB-FT2

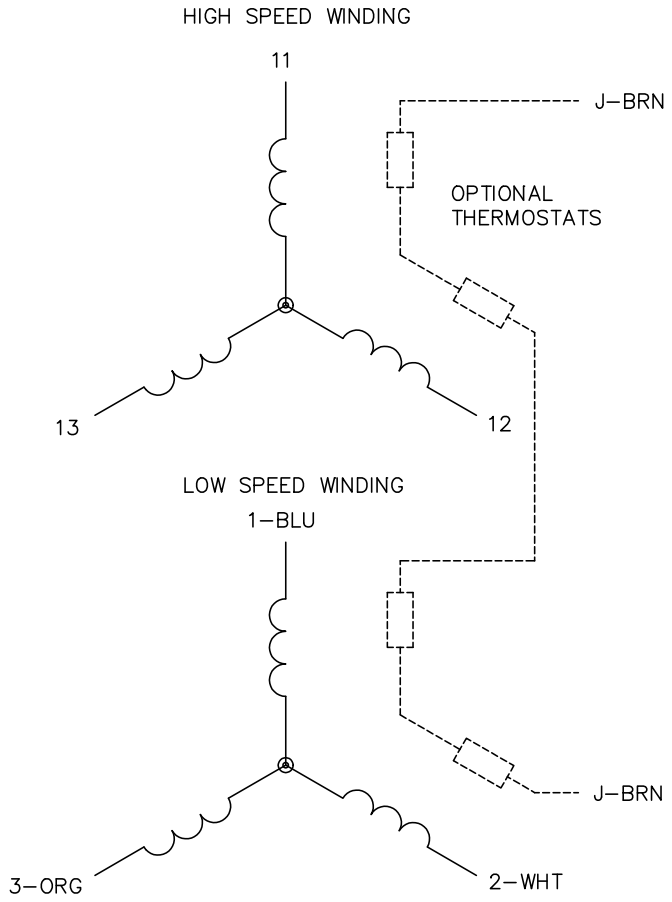
Load Characteristics 460 V, 60 Hz, 1.3 HP

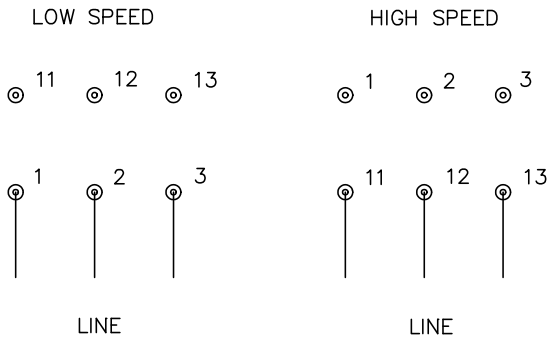
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	46	59	68	75	80	72
Efficiency	57.1	70.7	75.9	77.9	78.4	77.9	78.2
Speed	1192	1184	1176	1167	1158	1147	1162
Line amperes	1.75	1.86	2.05	2.29	2.59	2.94	2.47


ABB Motors and Mechanical Inc.
WINDING # 36WGY048
1.3 HP 3 PH 60 HZ 1167 RPM 460 V 3634M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=20.2 PU=990 LR=12 LRA=12.6
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.3 HP)
11/1/2026 ACPERF, record # 61407


36LYB001
614-623 = 13.62
624-634 = 15.00
635-646 = 16.49
(635-646) ONLY
2.72
3.56
GREASE FITTING (EA. END)
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
Ø7.86
6.68
2.24
8.43
4.50 +.00 -.06
LEAD HOLE Ø 1.09
3.75
3.75
5.63
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
REV: Q
VERSION: 03
REVISED: 03:35:15 08/25/2023
TDR: 000001214442
MODEL NO. 36LYB001
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STANDARD HORZ NEMA 182-4T OPEN 36M
36LYB001

CD0013





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 VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
CD0013		FILE: AAA00005143	MDL: –
		MTL: –	3PH, SV, 6 LEADS, 2–SPEED 2–WINDING

CD0013