BALDOR • RELIANCE

Customer information packet

M1223T

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

10/7/2024 12:13:44 AM

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
Auxillary Box	No Auxillary Box
Auxillary 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	AB
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGY048
Layout	36LYB001
Eff. date	05-09-2024
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**									

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				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3/1.3	**Full Load Torque**	9.2 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			4/2.6	**Breakdown Torque**	28 LB-FT
R.P.M.			1725/1140	**Pull-up Torque**	13 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	19 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	24 A
Service Factor (S.F.)			1.15	**No-load Current**	1.5 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	9.82 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	52°C
S.F. Amps				**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

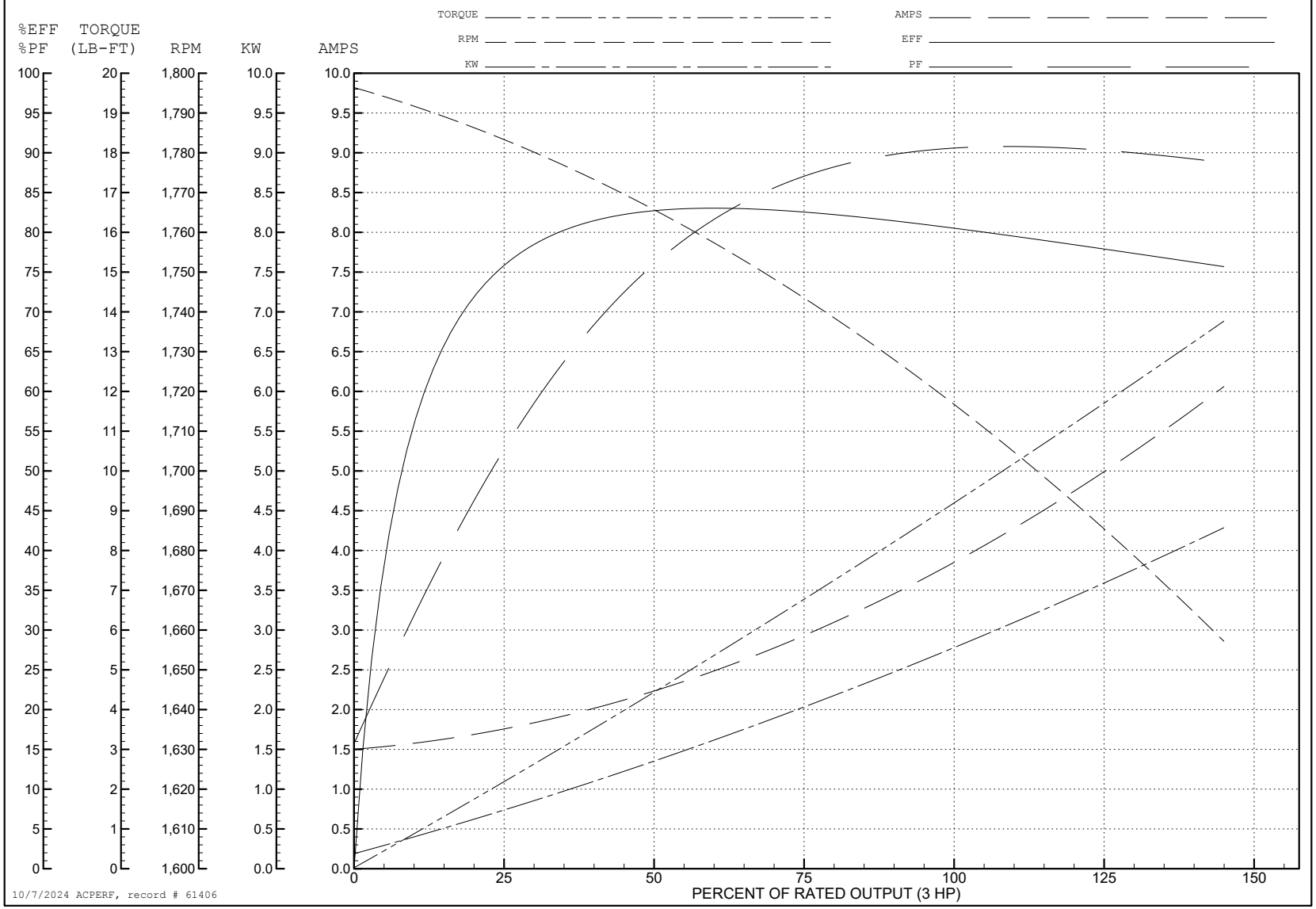
ABB Motors and Mechanical Inc.

WINDING # 36WGY048

3 HP 3 PH 60 HZ 1718 RPM 460 V 3634M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=28 PU=13 LR=19 LRA=24



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

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

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			3/1.3	**Full Load Torque**	5.86 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			4/2.6	**Breakdown Torque**	20.2 LB-FT
R.P.M.			1725/1140	**Pull-up Torque**	990 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	12 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	12.6 A
Service Factor (S.F.)			1.15	**No-load Current**	1.71 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	17.7 Ω
Rating - Duty			40C AMB-CONT	**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

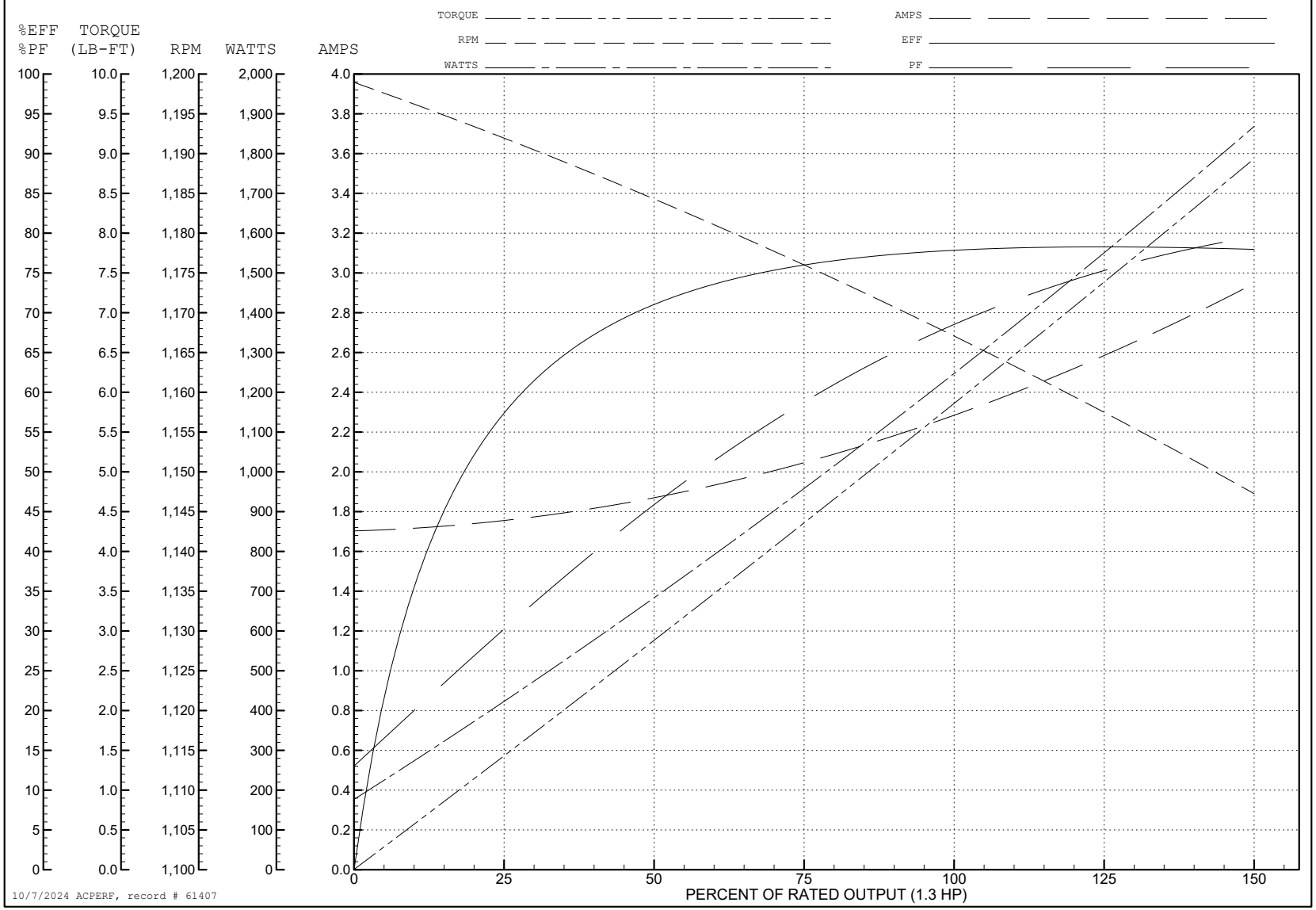
ABB Motors and Mechanical Inc.

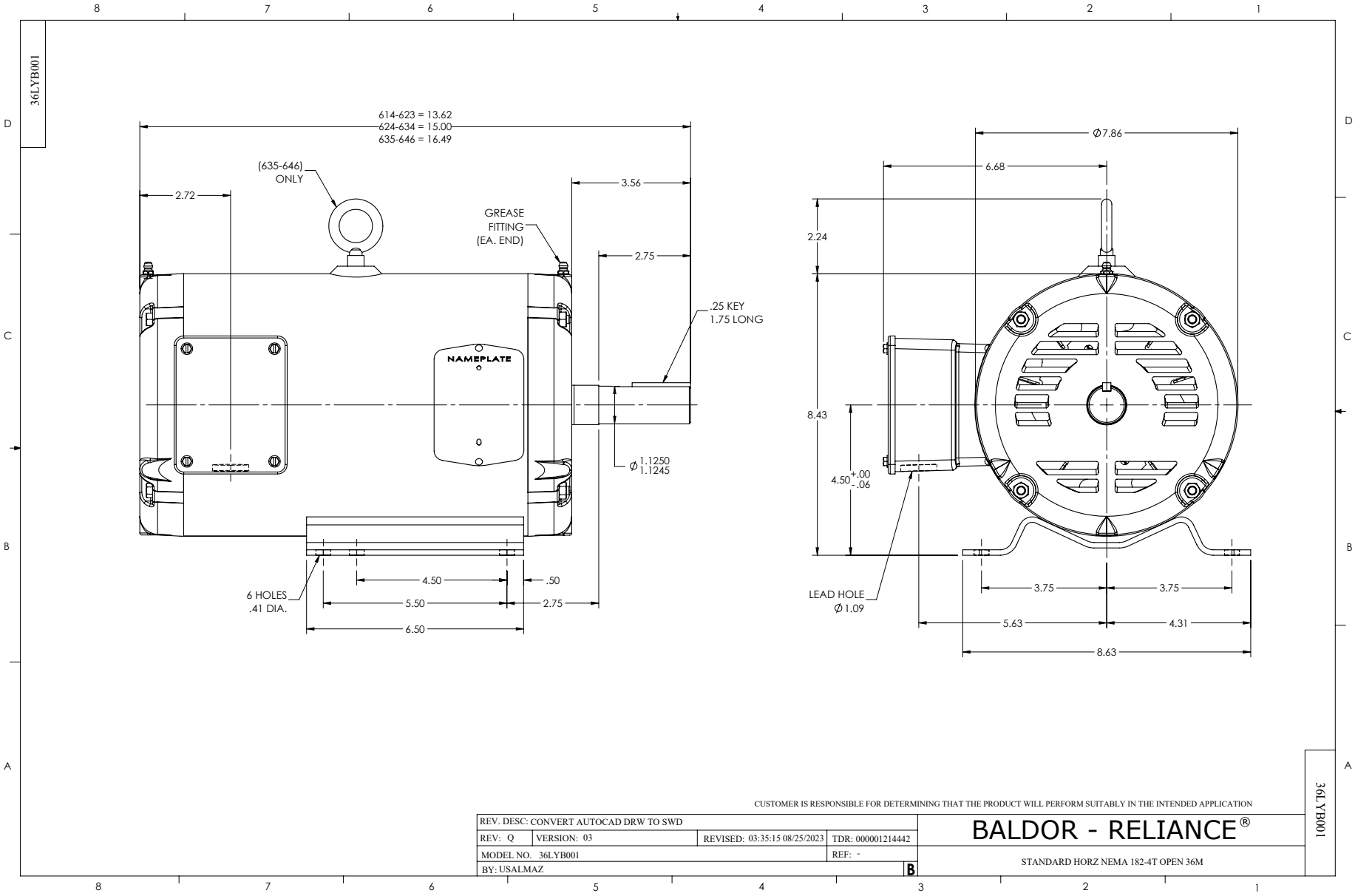
WINDING # 36WGY048

1.3 HP 3 PH 60 HZ 1167 RPM 460 V 3634M

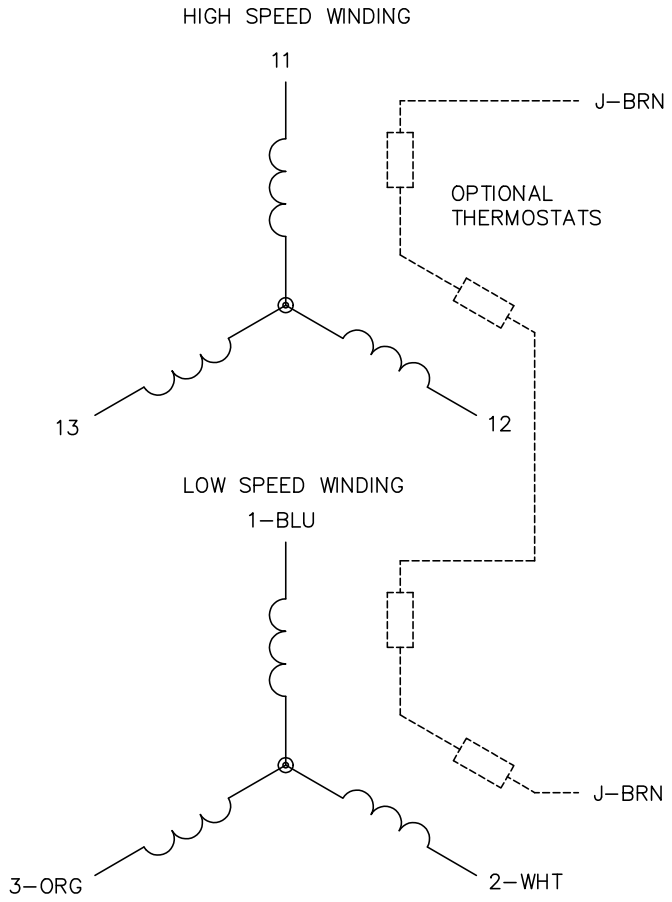
Typical performance - not guaranteed values.

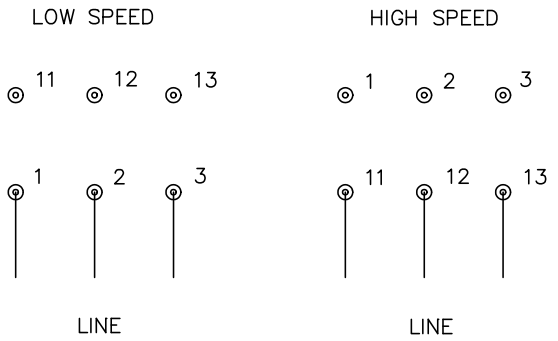
TORQUES(LB-FT): PO=20.2 PU=990 LR=12 LRA=12.6




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