ABB BALDOR RELIANCE

Customer information packet

M1222T

2/.89HP, 1725/1140RPM, 3PH, 60HZ, 182T, 3628M
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
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	2.000 HP @ 60 HZ
	.890 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	3.000 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	1.6 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WG3120
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	F
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	3628M
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.	M1222T										
SPEC.	36B01-3120										
HP	2/.89										
VOLTS	460										
AMP	3/1.6										
RPM	1725/1140										
FRAME	182T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	F	**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	

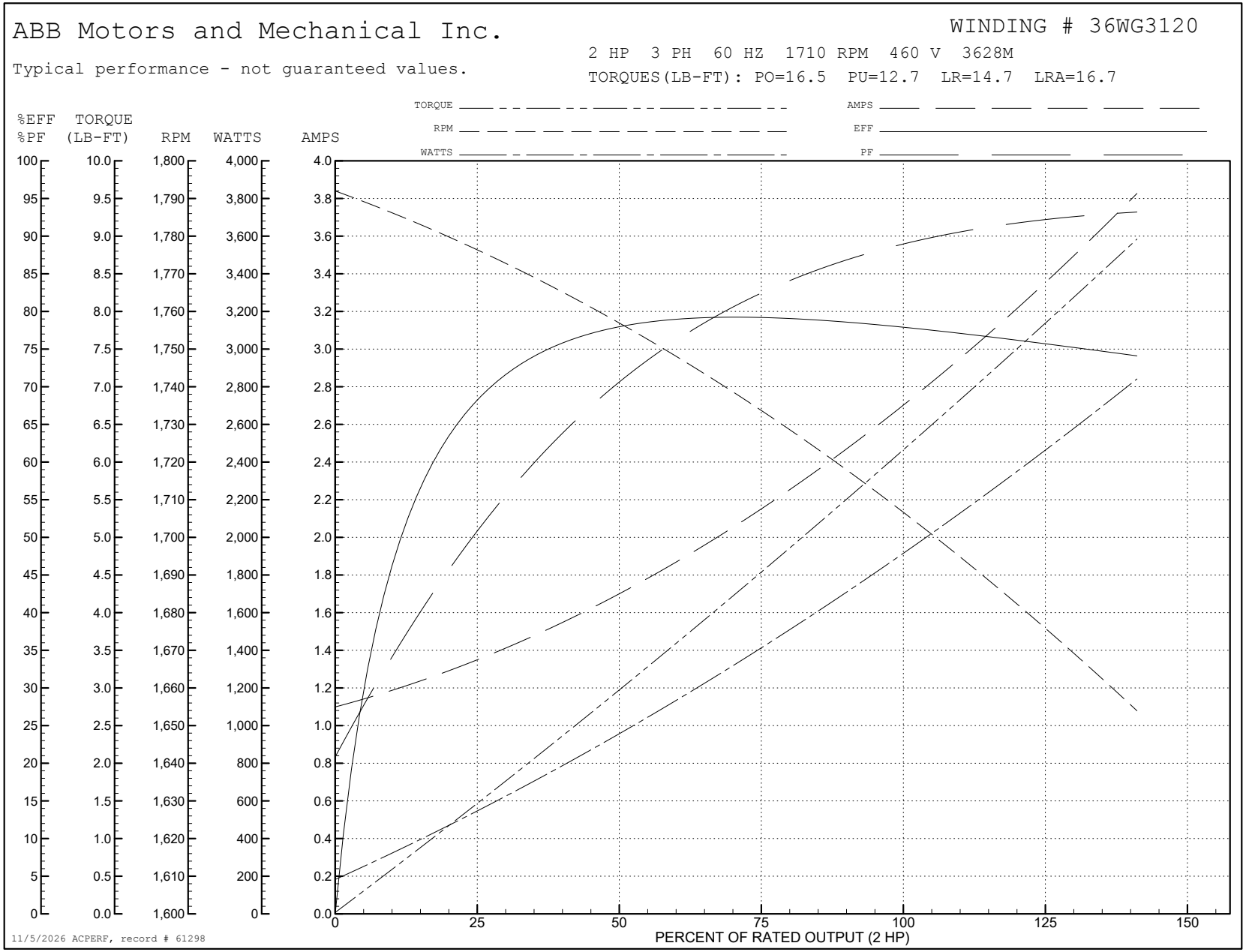
AC Induction Motor Performance Data
Record # 61298
Typical performance - not guaranteed values

Winding: 36WG3120-R002	**Type:** 3628M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			2/.89	**Full Load Torque**	6 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			3/1.6	**Breakdown Torque**	16.5 LB-FT
R.P.M.			1725/1140	**Pull-up Torque**	12.7 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	14.7 LB-FT
NEMA Design Code	B	**KVA Code**	F	**Starting Current**	16.7 A
Service Factor (S.F.)			1.15	**No-load Current**	1.1 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	14.3 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps				**Temp. Rise @ S.F. Load**	77°C
				Locked-rotor Power Factor	69.7
				Rotor inertia	0.263 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	52	67	85	87	95	92	92
Efficiency	69.6	77.5	78.4	78.1	77	73.7	77.4
Speed	1775	1750	1736	1710	1691	1647	1699
Line amperes	1.3	1.8	2.1	2.7	3.1	3.9	2.94


ABB Motors and Mechanical Inc.
WINDING # 36WG3120
2 HP 3 PH 60 HZ 1710 RPM 460 V 3628M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=16.5 PU=12.7 LR=14.7 LRA=16.7
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (2 HP)
11/5/2026 ACPERF, record # 61298

AC Induction Motor Performance Data
Record # 61299
Typical performance - not guaranteed values

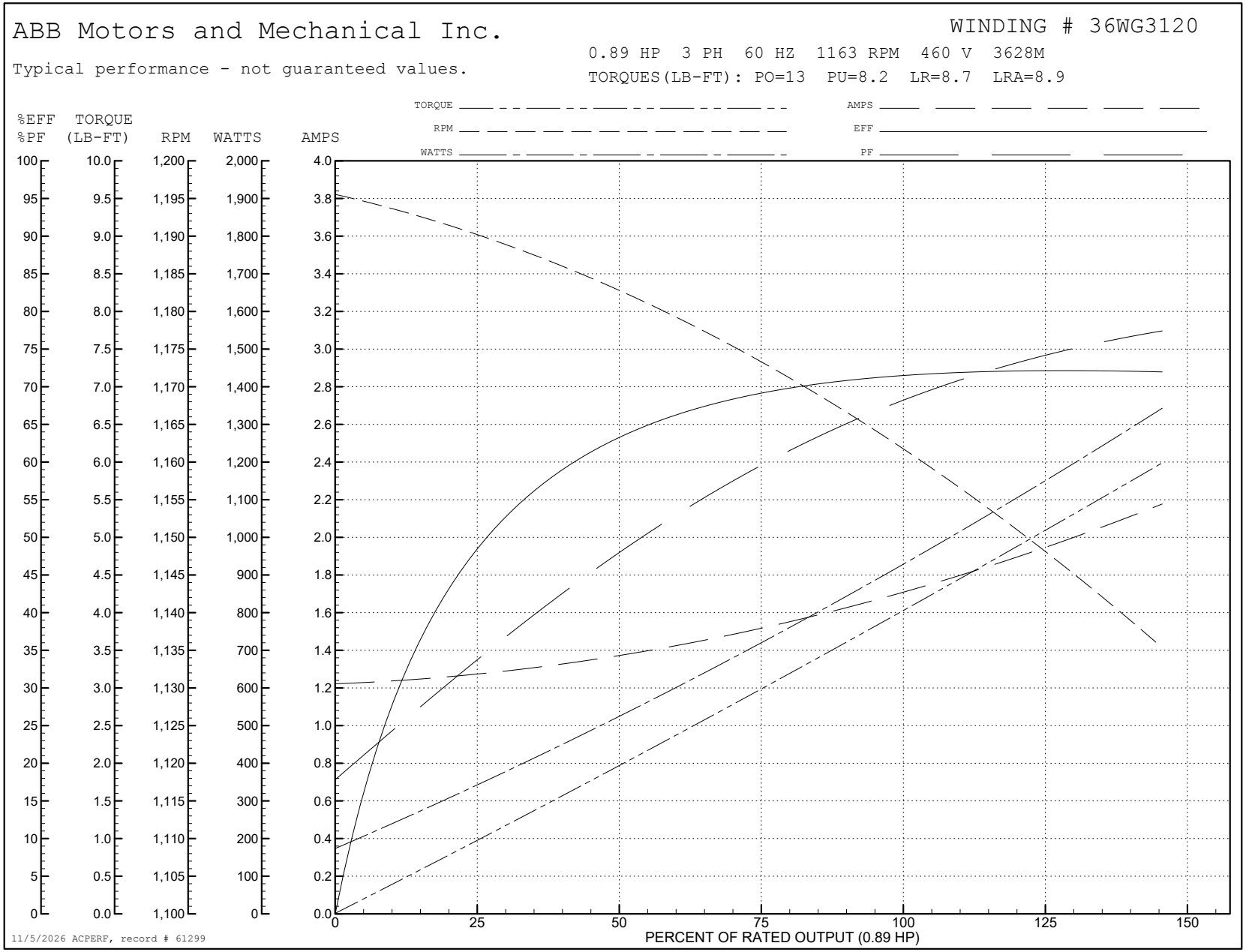
Winding: 36WG3120-R002	**Type:** 3628M	**Enclosure:** TEFC

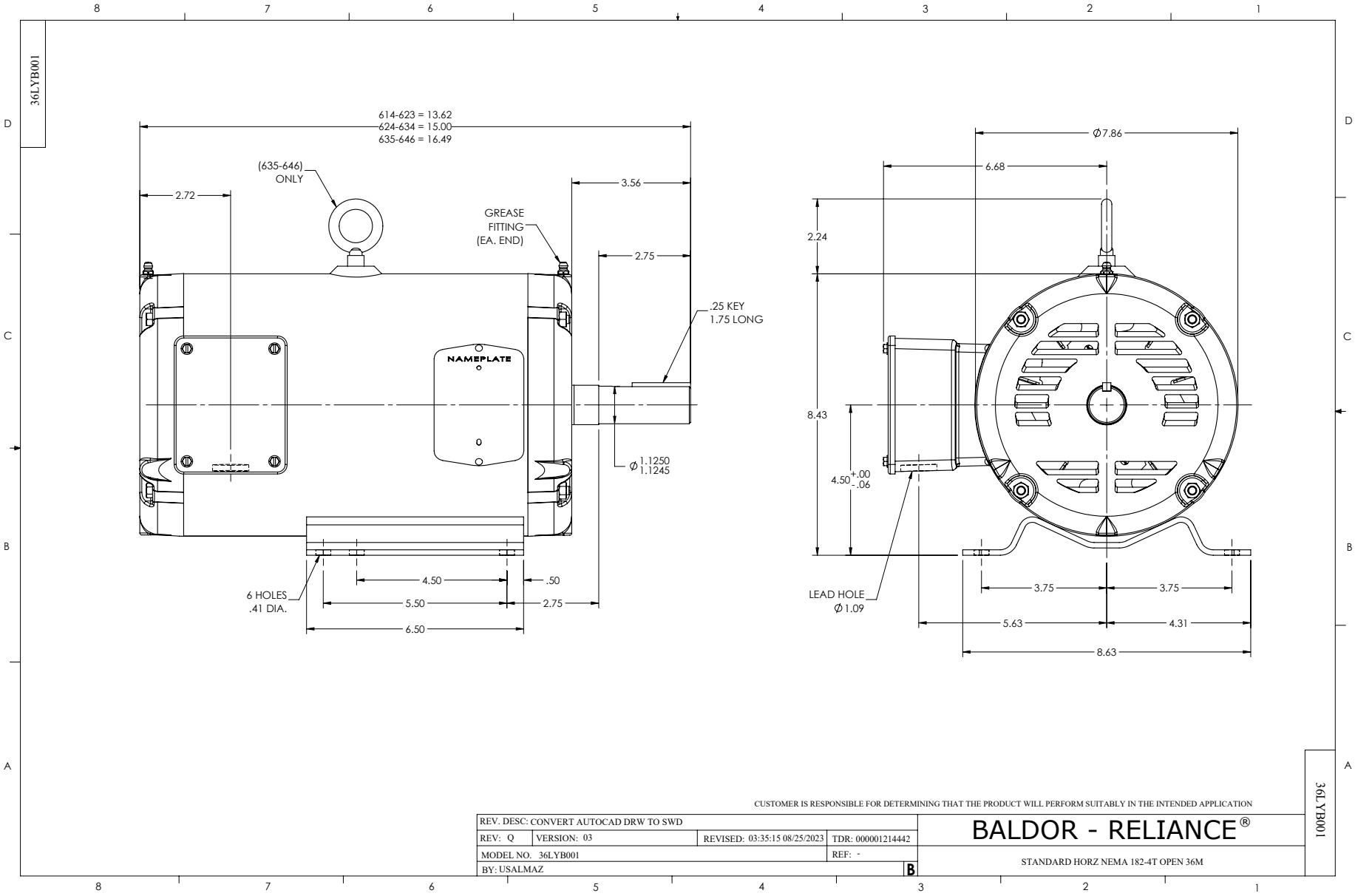
Nameplate Data			
Rated Output (HP)			2/.89
Volts			460
Full Load Amps			3/1.6
R.P.M.			1725/1140
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	F
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: Low Speed Connection	
Full Load Torque	4 LB-FT
Start Configuration	direct on line
Breakdown Torque	13 LB-FT
Pull-up Torque	8.2 LB-FT
Locked-rotor Torque	8.7 LB-FT
Starting Current	8.9 A
No-load Current	1.2 A
Line-line Res. @ 25ºC	25.3 Ω
Temp. Rise @ Rated Load	47°C
Temp. Rise @ S.F. Load	53°C
Locked-rotor Power Factor	68.7
Rotor inertia	0.263 LB-FT2

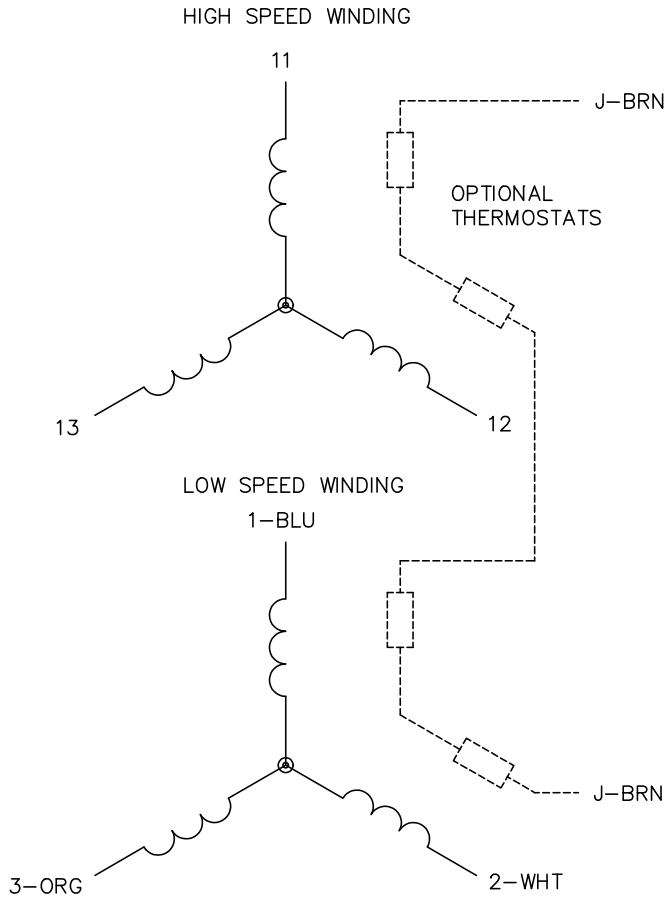
Load Characteristics 460 V, 60 Hz, 0.89 HP

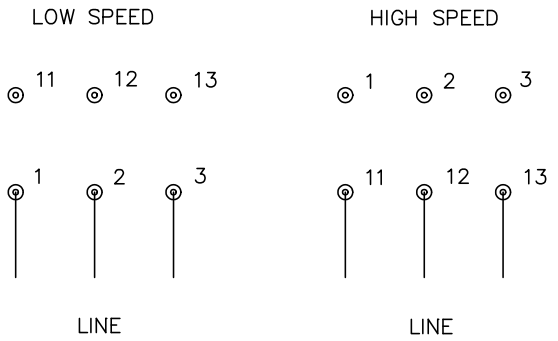
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	48	61	68	75	77	72
Efficiency	51.8	62.4	68.7	71.4	72.4	71.9	72
Speed	1190	1182	1172	1163	1151	1134	1156
Line amperes	1.3	1.4	1.5	1.7	1.9	2.2	1.82


ABB Motors and Mechanical Inc.
WINDING # 36WG3120
0.89 HP 3 PH 60 HZ 1163 RPM 460 V 3628M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=13 PU=8.2 LR=8.7 LRA=8.9
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.89 HP)
11/5/2026 ACPERF, record # 61299


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