ABB BALDOR RELIANCE

Customer information packet

M1023T

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	230.0 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	8.000 A @ 230.0 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	5.1 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGW055
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.	M1023T										
SPEC.	36B01W55										
HP	3/1.3										
VOLTS	230										
AMP	8/5.1										
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	

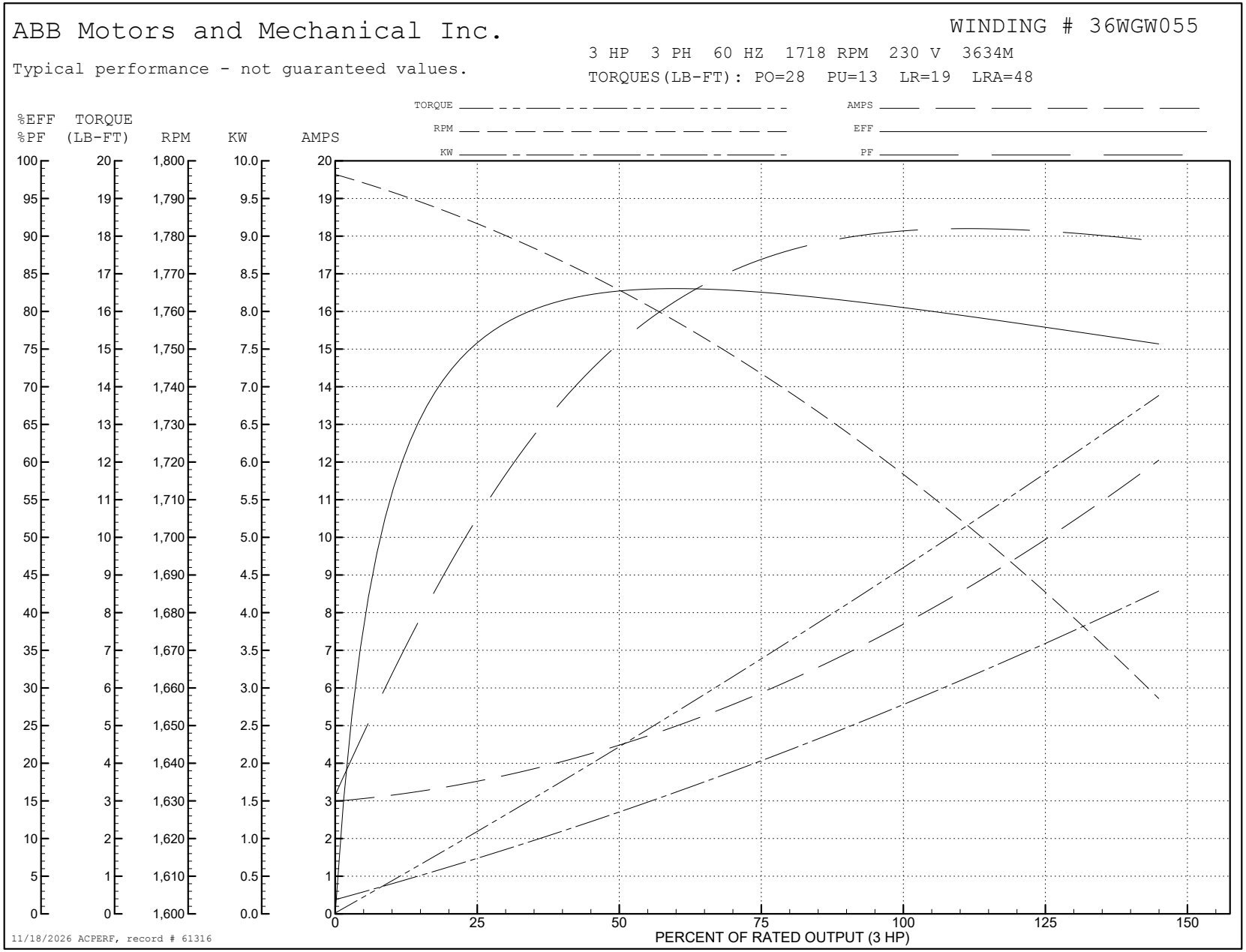
AC Induction Motor Performance Data
Record # 61316
Typical performance - not guaranteed values

Winding: 36WGW055-R005	**Type:** 3634M	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			3/1.3	**Full Load Torque**	9.2 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			8/5.1	**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**	48 A
Service Factor (S.F.)			1.15	**No-load Current**	3 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	2.46 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 230 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	79.7
Speed	1781	1763	1742	1718	1690	1655	1701
Line amperes	3.5	4.6	6	7.7	9.7	12.1	8.9


ABB Motors and Mechanical Inc.
WINDING # 36WGW055
3 HP 3 PH 60 HZ 1718 RPM 230 V 3634M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=28 PU=13 LR=19 LRA=48
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
11/18/2026 ACPERF, record # 61316

AC Induction Motor Performance Data
Record # 61319
Typical performance - not guaranteed values

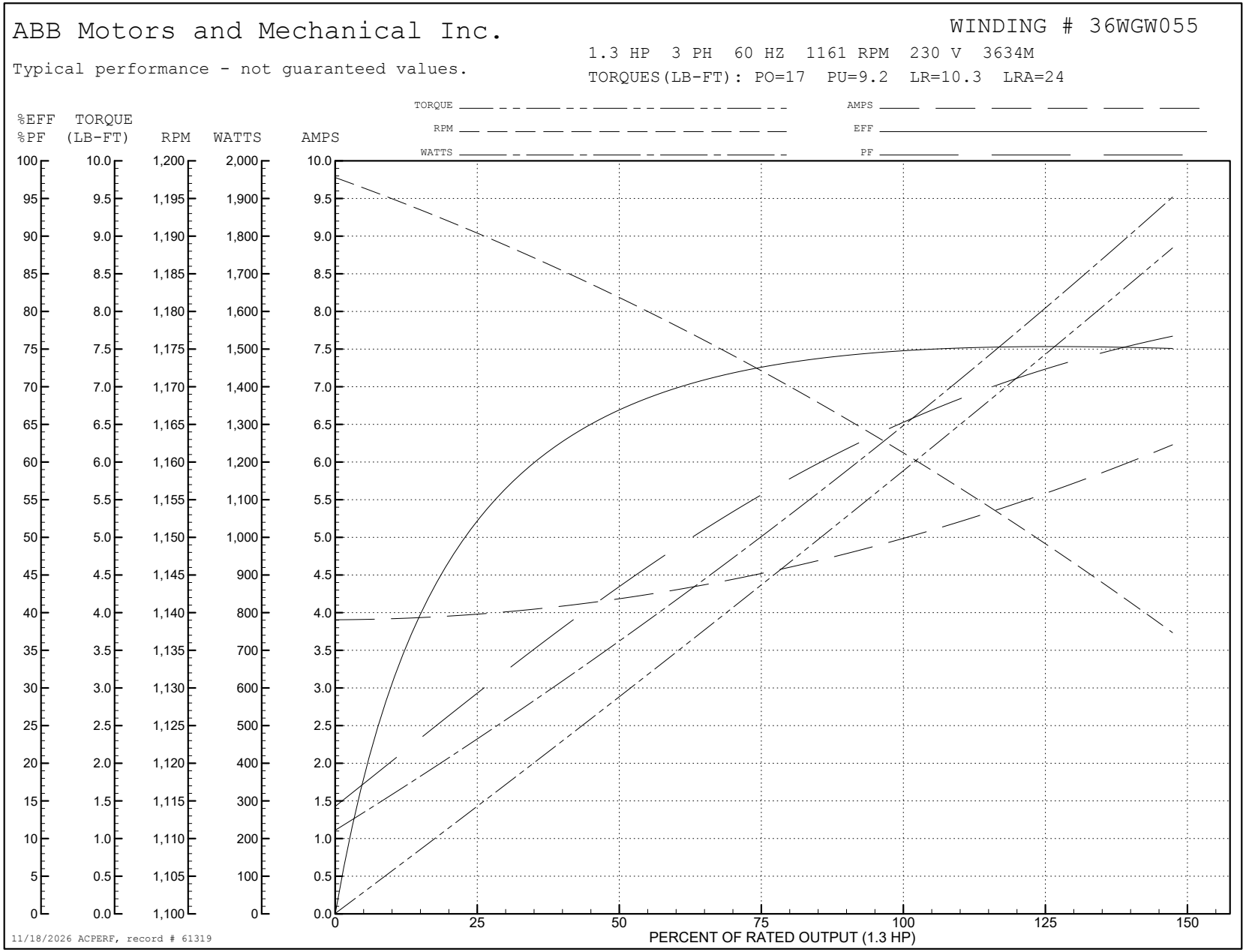
Winding: 36WGW055-R005	**Type:** 3634M	**Enclosure:** TEFC

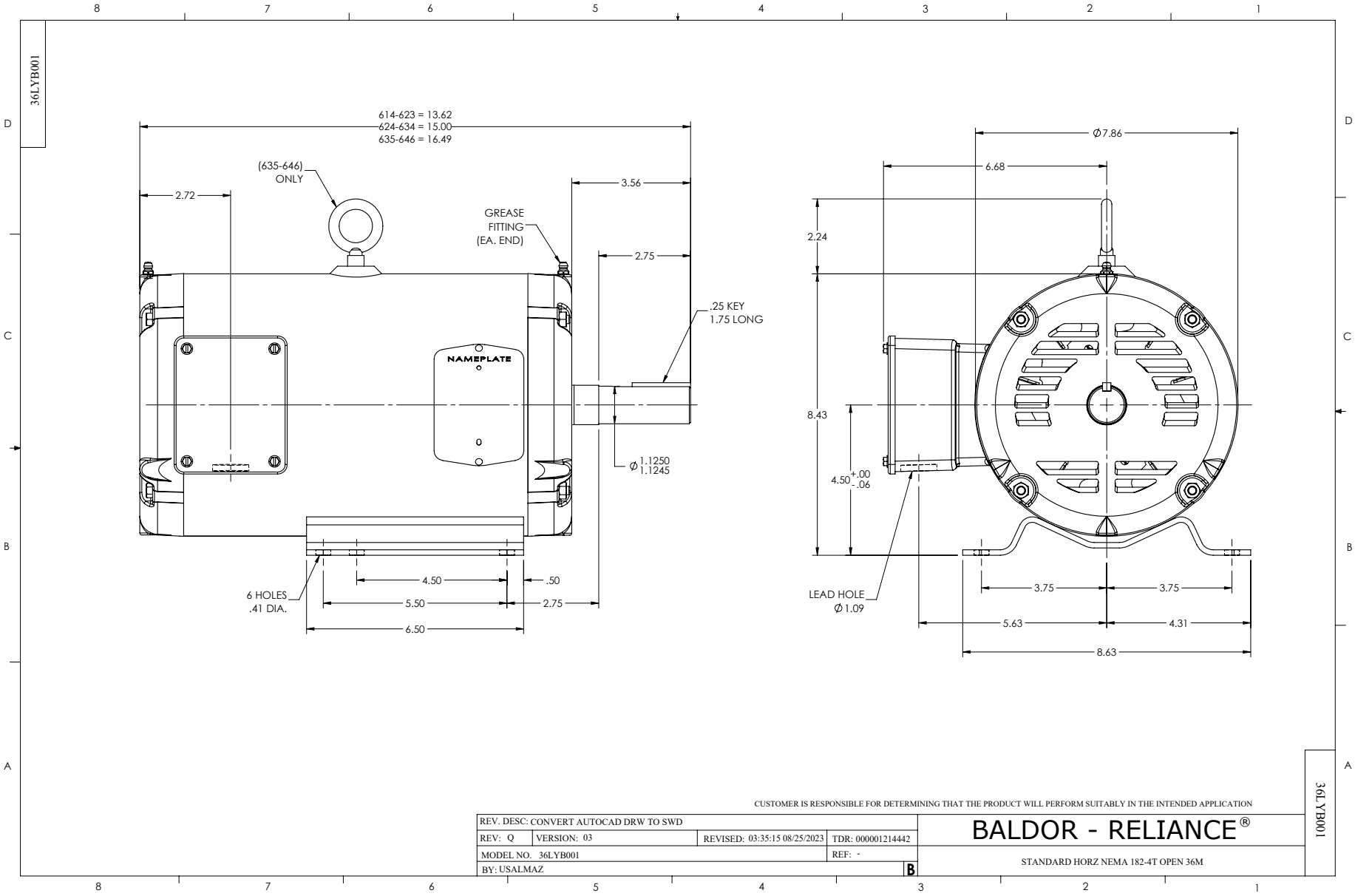
Nameplate Data			
Rated Output (HP)			3/1.3
Volts			230
Full Load Amps			8/5.1
R.P.M.			1725/1140
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	G
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

230 V, 60 Hz: Low Speed Connection	
Full Load Torque	5.9 LB-FT
Start Configuration	direct on line
Breakdown Torque	17 LB-FT
Pull-up Torque	9.2 LB-FT
Locked-rotor Torque	10.3 LB-FT
Starting Current	24 A
No-load Current	3.9 A
Line-line Res. @ 25ºC	4.4 Ω
Temp. Rise @ Rated Load	41°C
Temp. Rise @ S.F. Load	47°C
Locked-rotor Power Factor	65.1
Rotor inertia	0.319 LB-FT2

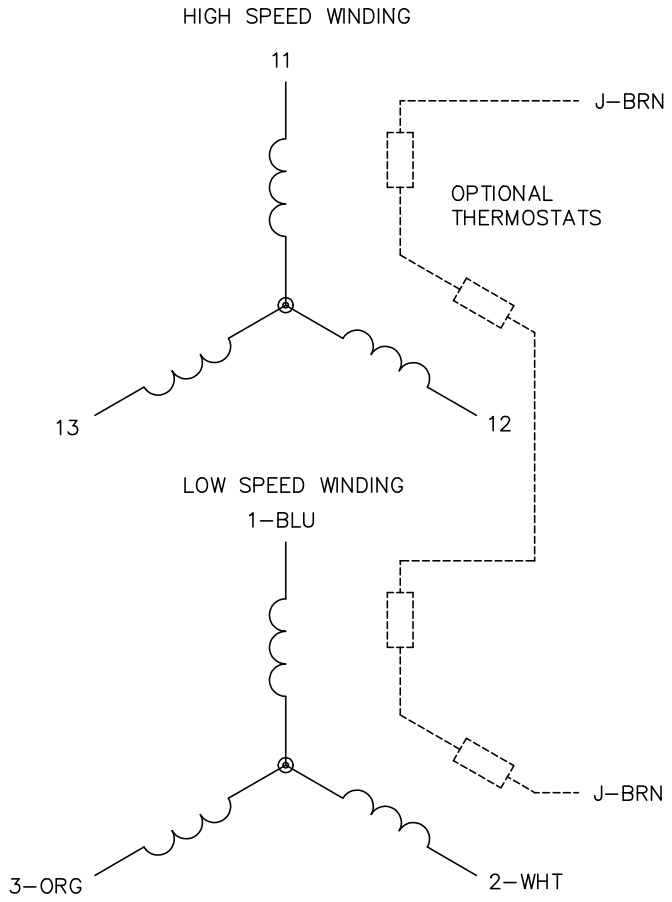
Load Characteristics 230 V, 60 Hz, 1.3 HP

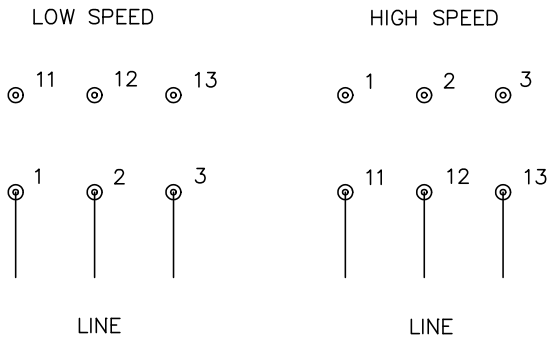
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	44	57	65	72	77	69
Efficiency	52.4	66.9	72.8	75	75.5	74.9	75.3
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	4	4.2	4.5	5	5.6	6.21	5.36


ABB Motors and Mechanical Inc.
WINDING # 36WGW055
1.3 HP 3 PH 60 HZ 1161 RPM 230 V 3634M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=17 PU=9.2 LR=10.3 LRA=24
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.3 HP)
11/18/2026 ACPERF, record # 61319


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